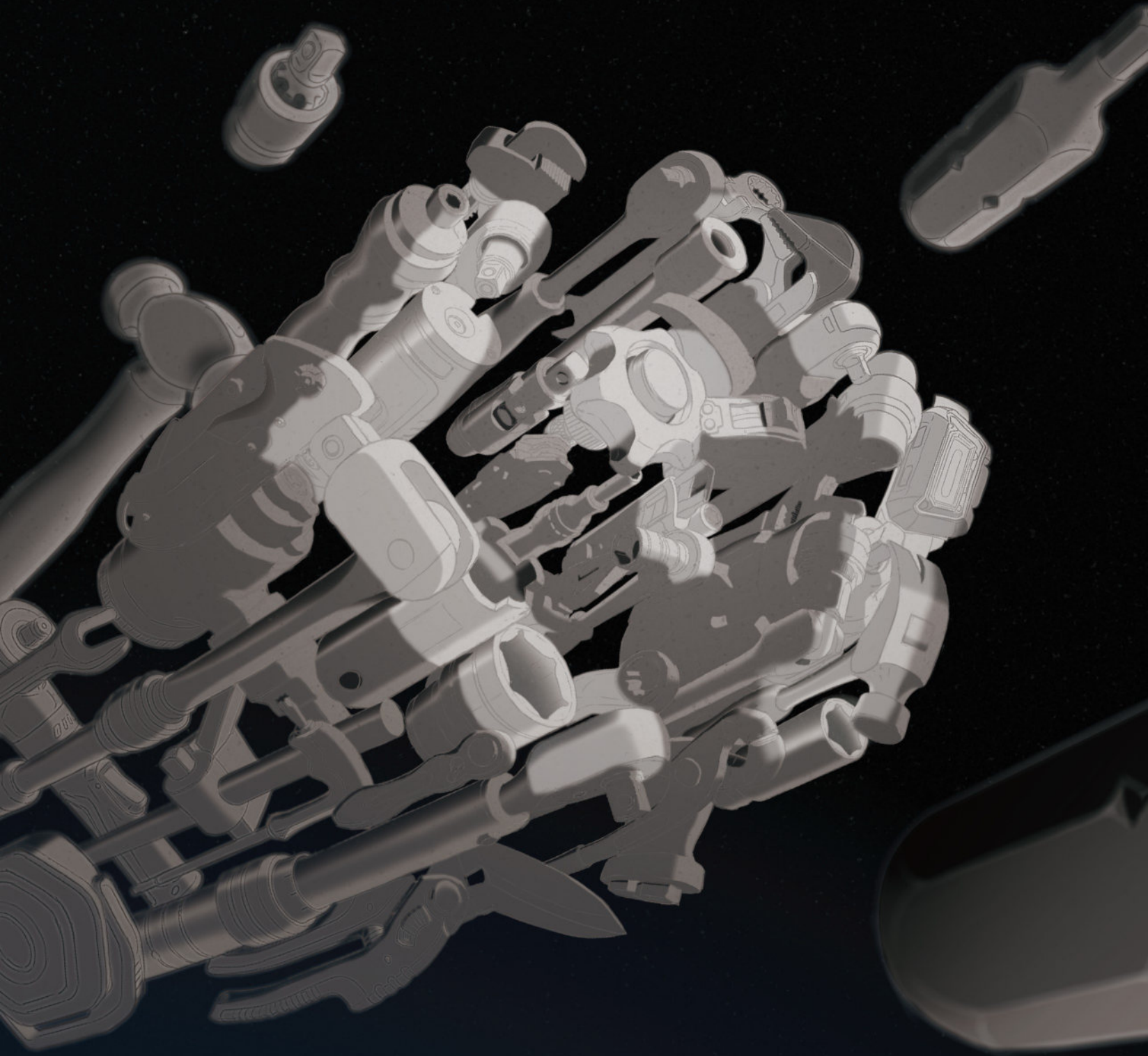


QUALITY

INNOVATION

HEALTH

ENJOYMENT



**KING TONY**

2022/23



## **New products**

**Tools Storage & Tools System Sets**

**Hand Sockets & Accessories**

**Impact Sockets & Accessories**

**Pneumatic Tools**

**Torque Control & Multipliers**

**Wrenches**

**Pliers**

**Pipe Tools**

**Screwdrivers & L-wrenches & Bits**

**VDE Insulated Tools**

**Electronic & Electrical**

**Hammers & Striking Tools**

**Workshop Tools**

**Lighting**

**Automotive Tools**

**ST Series Tools**

16



128



218



250



276



300



334



348



358



404



414



446



454



476



490



592



# Company Profile

In 1976, amidst a lack of capital and technology in Taiwan, Mr. Charles Lai & Mr. Tony Lin founded a hot forge factory specializing in making hand tools for the DIY market. Eight years later, many other companies had followed their lead and although the market grew quickly, quality suffered. With pricing, costs and quality nearing a state of chaos it became clear to KING TONY's founders that they needed to seek a new direction.

Mr. Lai & Mr. Lin found their new direction; making professional quality hand tools built to compete with the best in the world. They set their standards high and in the years since, have consistently exceeded the requirements of the world's toughest standards. KING TONY tools don't just meet the DIN (German) standard and the ANSI (U.S.A.) standard, they routinely exceed them. In fact, we test every torque make to a standard 30% higher than that prescribed by DIN and our pneumatic impact tools to a 50% higher standard. That's true commitment to quality!

To further underscore our determination to compete with the best in the world we have achieved certification with ISO on three separate standards. First, in January 1998, ISO 9002, followed by ISO 9001 and more recently we have qualified for the environmental safety standard, ISO 14001. We believe that is our responsibility to the world and we will always dedicate to reduce the harm to the earth during our manufacturing process in the future.

You might sense that King Tony Tools is about much more than a world-class tool. The ideals of KING TONY's management are fulfilled daily by our hundreds of employee's at our branches and offices around the world. You will find KING TONY Tools and its branches in: France, Spain, Belgium, Mexico, China. Each of our local branch offices is tasked with insuring that you, our customer, are happy not just with our quality but with the experience of being a KING TONY customer.



1984  
Hot  
Forge



1989  
Tougher  
Design



1990  
Color Code  
Stripe



2022  
World  
Distribution

2015  
Trustworthy  
Brand



# VISION >>>

**K**ING TONY engaged in supplying professional tools for more than 37 years, we always focus on supplying quality tools to our customers to make sure the quality satisfies the working requirement. To finish a professional job is a dream and target for every mechanic, and to finish it more easily and perfectly is even a better achievement. Thus, every mechanic can really enjoy their work. From this motive we have a goal that is to make every mechanic know, when they use KING TONY professional tools, they will quickly, perfectly and easily finish their work. They may feel more of confidence and enjoy what they do. To achieve this goal, we will continue to supply tools that is easy to take, easy to use, save time and strength. Our future vision is to tell every mechanic who uses KING TONY tools "enjoy your work", which contains the meaning to use good tools to do good jobs and have real enjoyment in the process. Why not find your enjoyment from your job, take KING TONY professional tools and you will start to experience it.



1993  
Super  
Standard



1996  
Close  
Tolerance



1999  
VDE  
Safety  
Grip



2012  
Dual  
Colors  
Stripe



2007  
Masters  
of Torque

**BE INSPIRED & MILESTONES**



# KING TONY

Enjoy your work



## Distribution

Branches :

• **France :**

3 Rue des imprimeurs, ZI République Nord,  
86000 Poitiers, France

• **Spain :**

Calle Valderribas, 14, Local Comercial Modo,  
28007 Madrid, España

• **Belgium :**

Avenue Louise 143, Boîte 4, 1050 Bruxelles

• **Mexico :**

Av San Jose No. 15-A, Col. , Zona Industrial La  
Presa, C.P. 54187 Tiainepantia, Edo. De Mexico

• **China :**

No. 3 Building, No. 285 Jingmao Rd.,  
Industrial Park of Suzhou, Suzhou, Jiangsu, China



**TAIWAN SUPERIOR BRANDS**



**NATIONAL BRAND YUSHAN AWARD**



**BUSINESS MERIT AWARD NATIONAL QUALITY AWARD**



Create to improve, protect where we live, balance environment and human.



# Intellectual Property

**New Registered Trademark**  
Please recognize KING TONY's official registered trademark.



Metric size



Imperial size



U.S.A.

Austria, Belarus, Belgium, Bulgaria, Croatia, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Latvia, Lithuania, Luxembourg, Malta, Moldova, Netherlands, Norway, Portugal, Poland, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom

Bangladesh, Cambodia, China, India, Indonesia, Japan, Kazakhstan, Laos, Malaysia, Myanmar, North Korea, Pakistan, Singapore, South Korea, Taiwan, Thailand, Vietnam

Bahrain, Cyprus, Iran, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, U.A.E., Yemen

Algeria, Angola, Bénin, Botswana, Burkina Faso, Cameroon, Central, Congo Republic, Chad African Republic, Egypt, Ethiopia, Equatorial Guinea, Gabon, Ghana, Guinée-Bissau, Ivory Coast, Kenya, Libya, Mauritius, Mali, Mauritanica, Morocco, Mozambique, Namibia, Niger, Nigeria, South Africa, Somalia, Sénégal, Sierra Leone, Swaziland, Tanzania, Togo, Tunisia, Zambia

Brazil, Bolivia, Colombia, Costa Rica, Chile, Dominican, Ecuador, El Salvador, Panama, Guatemala, Mexico, Peru

Australia, French Polynesia, New Caledonia, New Guinea, New Zealand, Papua, Solomon Islands

**Trademark Worldwide Registration**

# Inspection Equipment



01

## Spectrometer

Metal material elements analysis



02

## Gauge measurement

Measure the screw tap to meet LEVEL I tolerance of DIN standard



03

## Rockwell hardness tester

Test the product's hardness to meet KING TONY quality standard



06

## Torque tester

Fracture test to check the max. torque to ensure excess of DIN standard



07

## Precise cutting machine

Cut for a smooth section



11

## Environmental simulation test of temperature & humidity

Simulate temperature from 70 °C ~ - 20°C to test product reaction and durability while obvious change of temperature



12

## Tension tester

Test pulling force of product especially for joint workpiece according to DIN standard



13

## Hammering tester

Test the lifetime of striking hammer and security of the joint of hammer & wooden shaft



16

## Micro-torque tester

Test products with smaller torque such as bits for their durability



17

## Vision measuring machine

Measure parts for difficult angle or in the narrow space





04

### Salt-water spray tester

48 HRs environmental simulation test to check product's durability from being rusty



05

### Thickness test of plating

Apply special chemical to check thickness of plating and ensure it reaches KING TONY's standard



08

### Mounting press machine

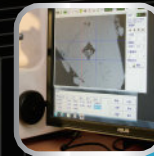
In order to fix tiny and multilateral workpiece



09

### Grinding & polishing machine

Make surface of workpiece smoother and clearer for further observation



10

### Micro-hardness tester

Analyze the change of metallography after heat treatment and the difference of hardness between surface and central location



14

### Pliers class measure tester

Test the cutting force and durability



15

### Torque wrench tester

Follow the DIN ISO & ASME standard to test torque tolerance by 3 points of the lowest point, 60%, and 100% of max. scale



18

### Carton busting strength tester

Test the strength of carton in order to assure good packing quality



19

### Insulated tester

Ensure products are insulated under the voltage 1000V

# Production Process



01

## Hot forge

Heat to take shape and complete fibers to improve durability



02

## Lathing

Control sockets external diameter and the roundness



03

## Drilling

Drilling pin hole on the groove to offer socket safety operation



06

## Punching & Broaching

Make accurate dimension for the spanner



07

## Marking

Stamp dimensions, material and manufacturer



11

## Grinding

Remove oxide layer and ensure sockets roundness for follow process precision



12

## Plating

Nickel-chrome plated to protect product from corrosion and improve finish



13

## Phosphate sink

Increase impact sockets wear resistant and prevent corrosion to improve the durability



04

### Machining (CNC)

Finish complicated process to ensure the precision of product



05

### De-burring

Remove the burrs and chamfer on square hole



08

### Heat treatment

Enhance product performance to achieve max. hardness



09

### Vibrating

Remove oxide layer and burrs for surface coating



10

### Sand blast

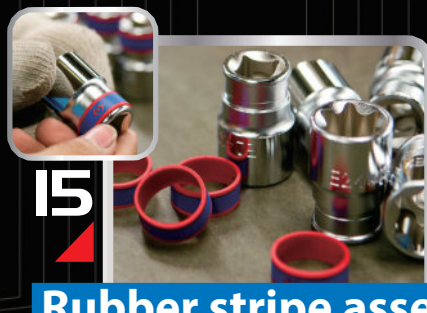
Remove oxide layer and burrs for surface coating



14

### Silk printing

The unique bi-colors silk printing design and is easy to distinguish metric and imperial dimension



15

### Rubber stripe assembly

The unique bi-colors rubber stripe design and is easy to distinguish metric and imperial dimension



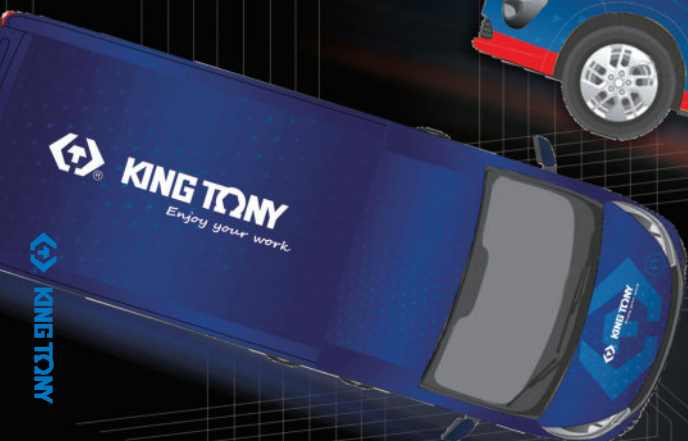
# Exhibitions



# Sponsor & Partnership









# Branding to Target Users



**NEW**

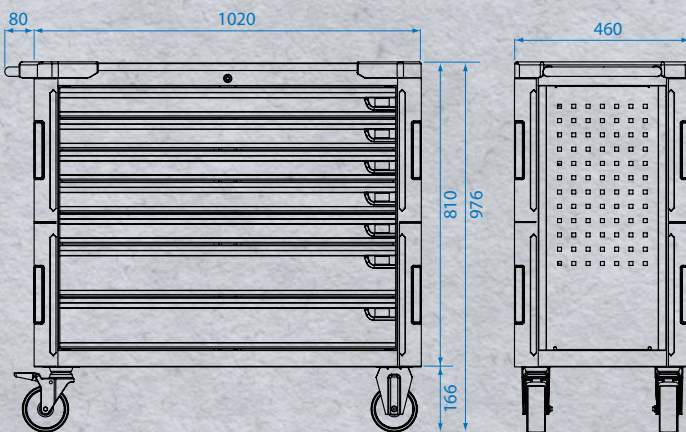
# Tool Trolley



**BUMPER**

## 87G33-7H-KB

- Multi-functional stainless working top
- One drawer open only, prevent unstable center of gravity
- 100% pull out ball bearing drawer with auto-return system
- TPR corner protection bumpers
- More space for hanging
- 5"x2" Heavy duty casters (2 Fixed and 2 swivel with stop function)



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G33-7H-KB	Overall	1020 x 460 x 810	5" x 2"	800 Kg	80.0	22.60
	Overall+4 Casters	1020 x 460 x 976				
	5 Drawers	850 x 390 x 80				
	2 Drawers	850 x 390 x 135				

# Tool Box Set

**37**  
PC.

**9052-001MRV**

 8.69 **Kg**    CUFT 1.16

 Plastic case size (mm) :  
456 x 372 x 155 (0.93 cuft)

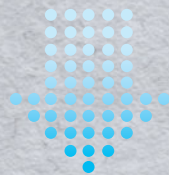
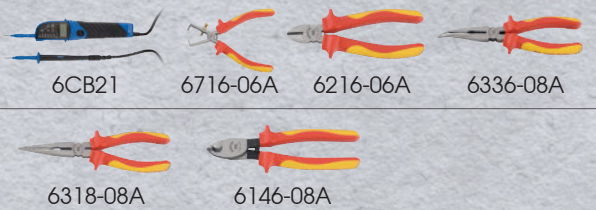
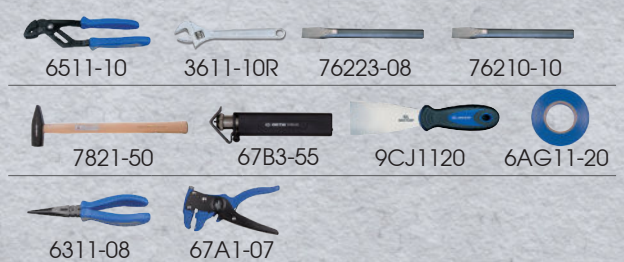
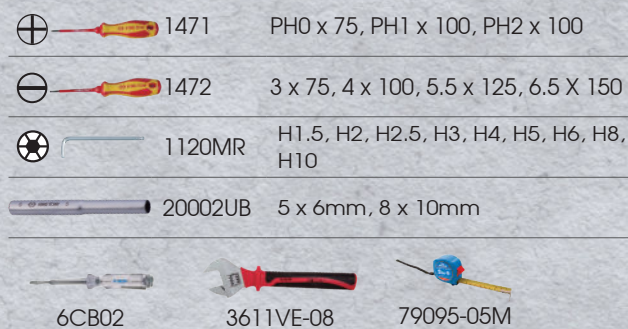

Pouch 1

**6**  
PC.


Pouch 2

**21**  
PC.


EVA foam

**10**  
PC.

**Pouch 1**
**Contents**

**EVA foam**
**Contents**

**Pouch 2**
**Contents**


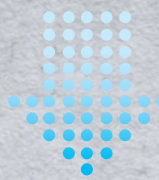
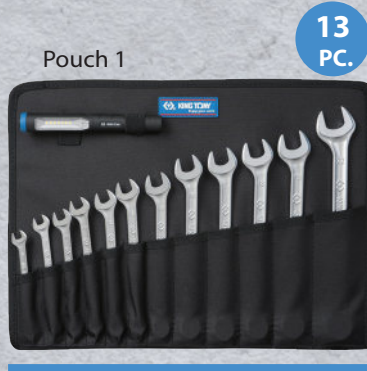


# Tool Box Set

112 PC.

**9052-002MRV** 10.46 KG CUFT 1.16

Plastic case size (mm) :  
456 x 372 x 155 (0.93 cuft)



**Pouch 1**

Contents

	1062	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22
	9TA281	

**Pouch 2**

Contents

	3611-10R		6AB31-75		6211-06		6111-07
	6311-08		6511-10		79095-05M		

**EVA foam**

Contents



	2335MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	4335MR	10, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
	1147PR	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
	20002UB	5 x 6mm, 8 x 10mm
	1032CQ	
	1005APR	
	2792	
	4791R	
	4251-10R	
	2179DF	
	7821-30	
	4773-10GS	
	2755-55G	
	2142	

## Backpack

### 87731D

- Multi-layered, easy to organize
- Extra side pocket



KT NO.	Dimension(mm)			
	Width x Depth x Height			
87731D	440 x 310 x 150	0.6	1 / 50	



- The breathable and comfortable shoulder straps foam is added inside



- External USB charge port design

## Travel Bag



### 87732D

- For travelling, gyms
- Shoe compartment with a waterproof material
- Multi-layered and able to carry all types of protective gear
- Durable hard bumpers on base corners
- Inner flat zippered mesh pocket on flap and main compartment separation

► CONSTRUCTION :

- 2 ventilation holes on the side
- 2 big webbing handle on top and the side to be able to move and carry the bag
- 2 strap handles to lift up the bag and carry on the shoulder
- 2 mesh pockets on internal sides of the bag
- 2 small front pockets
- 2 side pockets with zippers



KT NO.	Dimension(mm)			
	Width x Depth x Height			
87732D	210 x 500 x 260	1.00	1 / 20	



# Socket Set

## 3055CR 3/8"

Metal case size (mm) :  
490 x 205 x 52 (0.185 cuft)

Contents		6	1 / 3
3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		
3230M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19		
3330S	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8		
3230S	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		
363516	363521	3792	
3771-08G	3452-10F		
3293-06	3221-03	3221-10	



**55 PC.**

## 4223MR 1/2"

Metal case size (mm) :  
490 x 205 x 52 (0.185 cuft)

Contents		4.7	1 / 3
4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32, 34		
4771-10G	4461-24G		
4791R	4251-05R		



**22 PC.**

## 1010CMR 1/4"

Plastic case size (mm) :  
257 x 200 x 52 (0.095 cuft)

Contents		1.66	1 / 8
76C	8, 10, 12, 13, 14, 17, 19, 21, 23, 24		



**10 PC.**

## 3773-08GS

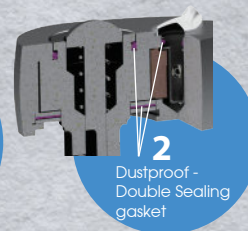
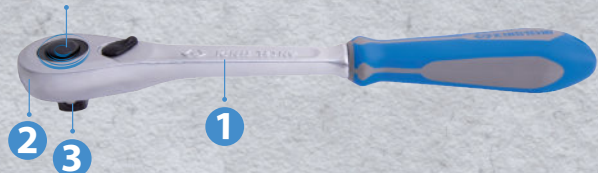
- Quick release reversible ratchet
- 4° gear action degree (90 teeth)
- DIN 3122
- IP51

KT NO.	Square DR.	Overall length Inch mm		
3773-08GS	1/4"	8 200	273	1 / 40
3773DK		renewal kits		



3773DK

Press Bottom



4773-10GS (IP51)

## Universal Joint & Set

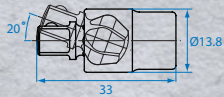


KT No. &amp; D1


**2793**

1/4"

- Universal joint
- Ball point type universal joint & with hex locking design
- Short pattern design enables greater access in confined spaces



KT NO.	Overall length		g	/
	inch	mm		
2793	1-1/4	33	18	20 / 600

**9113PR**

1/4"

3/8"

1/2"

- Universal joint
- Ball point type universal joint & with hex locking design
- Short pattern design enables greater access in confined spaces



3 PC.

Contents

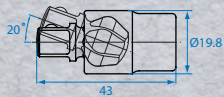
0.20 6 / 108

	2793	33mm
	3793	43mm
	4793	59mm

**3793**

3/8"

- Universal joint
- Ball point type universal joint & with hex locking design
- Short pattern design enables greater access in confined spaces

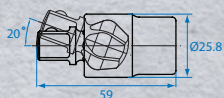


KT NO.	Overall length		g	/
	inch	mm		
3793	1-3/4	43	55	15 / 300

**4793**

1/2"

- Universal joint
- Ball point type universal joint & with hex locking design
- Short pattern design enables greater access in confined spaces



KT NO.	Overall length		g	/
	inch	mm		
4793	2-3/8	59	125	5 / 180

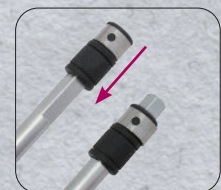


## 1/4" DR. Spinner Handle

**2176DF**

1/4"

- 2 in 1 design Spinner handle + Bit holder
- NF ISO 3315, ISO 3315, DIN 3122, ASME B107.10



KT NO.	Overall length		g	/
	inch	mm		
2176DF	6	150	105	6 / 60



## TORX Plus Socket

### 3E07PR $\frac{3}{8}$ "

- Socket rail 210mmL



**7**  
PC.

Contents	333E	EP10, EP11, EP12, EP14, EP16, EP18, EP20	0.42 kg	40
	8730808			

### 4E08PR $\frac{1}{2}$ "

- Socket rail 280mmL



**8**  
PC.

Contents	433E	EP18, EP20, EP22, EP24, EP26, EP28, EP30, EP32	1.00 kg	40
	8741110			

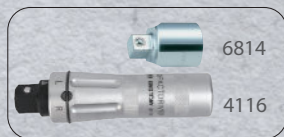


## Impact Driver Set

### 4116FR01 $\frac{3}{4}$ "

- $\frac{3}{4}$ "DR. impact driver with knurled grip
- Instant impact force releases rusted or frozen screws without damaging them
- Forward and reverse drive direction
- Comfortable handle with non-slip knurled handle
- Can be used anywhere, no air or power source required
- Max torque: 512N.m for  $\frac{1}{2}$ " DR. convert adapter

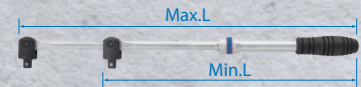
1.27 kg / 1 / 20



## Extendable Breaker Bar

### 4461-24G $\frac{1}{2}$ "

- Extends from 18 in. to 24 in.
- This breaker bar has a 180° swivel head and an ergonomically designed handle
- Break free stubborn or stuck fasteners
- Flexible head for multiple angles of use



KT NO.	Max.L mm	Min.L mm	Weight	Quantity
4461-24G	600	450	1180	1 / 10
4462DK	renewal kits			

## Flexible Handle

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated & black phosphate sunk

### 6462-40P $\frac{3}{4}$ "

- Flexible Handle
- Action degree-180
- DIN3122



KT NO.	Overall length inch	Overall length mm	Weight	Quantity
6462-40P	40	1020	3900	1 / 6
6462DK	renewal kits			

### 8462-40P $1$ "

- Flexible Handle
- Action degree-180
- DIN3122



KT NO.	Overall length inch	Overall length mm	Weight	Quantity
8462-40P	40	1020	3950	1 / 6
8462DK	renewal kits			



## Impact Socket & Wrench Set

### 44106AMP01 1/2"



Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

17  
PC.

- 10 PC. impact sockets 9~27mm
- 3 PC. thin wall impact sockets 17, 19, 21mm
- 1 PC. impact wrench
- 1 PC. extension bar & with ball
- 1 PC. universal joint
- 1 PC. air inlet adapter

Contents

6.32 1 / 2

		4535M	9, 10, 11, 13, 14, 17, 19, 22, 24, 27
		4415M	17, 19, 21
		4260-05P	5"
		4799P	
		33411-050	
		SY-211M	(1/4"BSPT)

### 44108AMP01 1/2"



Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

19  
PC.

- 14 PC. deep impact sockets 8~27mm
- 1 PC. impact wrench
- 2 PC. extension bar & with ball, 3" & 5" L
- 1 PC. universal joint
- 1 PC. air inlet adapter

Contents

7.92 1 / 2

		4435M	8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27
		4260P	3", 5"
		4799P	
		33411-050	
		SY-211M	(1/4"BSPT)

## Wheel Nut Impact Socket Set

### 4405MXL 1/2"

- Thin wall impact socket set with plastic sleeve
- Durable outer sleeve protects polished wheels and lug nuts

Contents

1.20 1 / 20

		495517MX	17 mm
		495519MX	19 mm
		495521MX	21 mm



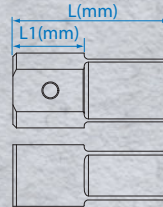
3  
PC.

Blow case size (mm) :  
206 x 147 x 50 (0.053 cuft)

**Insert Adapter**

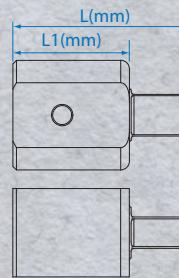
**34505102R**

KT NO.	Size mm	mm	L1 mm	L mm	g	kg
34505102R	9 x 12	14 x 18	20.5	45.5	82.2	12 / 144



**34505201R**

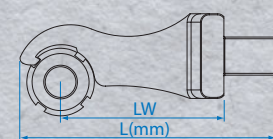
KT NO.	Size mm	mm	L1 mm	L mm	g	kg
34505201R	14 x 18	9 x 12	33.5	49.5	131.8	12 / 144



**Hook Wrench Head**

**345042M**

KT NO.	Size mm	Capacity mm	Maximum Torque N·m	Lw* mm	L mm	g	kg
34504236M	36	28-36	354	77	121	248.20	12 / 72
34504245M	45	40-45	377	77	129	274.00	12 / 72
34504255M	55	50-55	398	77	129	263.20	12 / 72
34504262M	62	58-62	421	77	134	278.20	12 / 72
34504275M	75	68-75	444	77	139	294.60	12 / 72
34504290M	90	80-90	465	77	142	288.80	12 / 72



## Window Type Adjustable Torque Wrench

Adjustable torque wrench with window dual scale

Tolerance of torque  $\pm 3\%$  clockwise

Dual scale in N·m and ft·lb conversion table on window

Grip handle and large number NM on center handle for setup required torque

Simple lock and unlock knob for quick in adjustment

Durable mechanism with over 10,000 cycles within accuracy

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

The 3/4" torque wrenches have a cylinder body

1 N·m = 0.738 ft·lb = 0.102 kgf·m



1 ft·lb = 1.356 N·m = 0.138 kgf·m

1 in·lb = 0.113 N·m = 1.152 kgf·cm



## 34X66-XFG

Dual Scale - Newton Meter & English ( N·m / ft·lb )

KT NO.	Gear teeth	Square drive	Torque range N·m	Incr.	Torque range ft·lb	Overall length mm		
34266-1FG	24	1/4"	5-25 N·m	0.1 N·m	3.6-18 ft·lb	296	410	1 / 12
34366-1FG	32	3/8"	10-50 N·m	0.25 N·m	7.4-37 ft·lb	333	470	1 / 12
34466-1FG	32	1/2"	20-100 N·m	0.5 N·m	15-75 ft·lb	398	820	1 / 12
34466-2FG	32	1/2"	40-200 N·m	1 N·m	30-150 ft·lb	500	1300	1 / 12
34466-3FG	32	1/2"	60-300 N·m	1 N·m	45-220 ft·lb	633	1470	1 / 12
34666-1FG	24	3/4"	100-600 N·m	2 N·m	75-440 ft·lb	1040	4650	1 / 2
34666-2FG	24	3/4"	150-800 N·m	2 N·m	110-590 ft·lb	1235	5450	1 / 2
34666-3FG	24	3/4"	200-1000 N·m	2 N·m	150-740 ft·lb	1238	5450	1 / 2



1. Do not use this torque wrench over its scale range.
2. Do not use this torque wrench as a normal hand tool.
3. Torque wrench need to be calibrated periodically for accuracy.

# Torque Angle Adapter

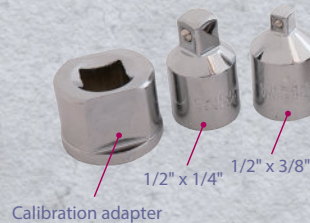
## 34417-1A 1/2"

▪ Specifications:

Accuracy	Clockwise:±2% Anti-Clockwise:±2%				
Memory	10				
Unit Selection	N·m	ft·lb	In·lb	Kgf·m	Kgf·cm
Display Resolution	0.1	0.1	1	0.01	1
Operation Mode	Torque / Angle / Torque+Angle				
Battery	DC3V, CR2032				
Battery Life	4hrs (continuous operation)				
Operating Ambient Temperature	-10°C - 60°C (14°F - 140°F)				
Storage Temperature	-20°C - 70°C (-4°F - 158°F)				
Operating Relative Humidity	15 to 90% noncondensing				
Switch Off Automatically	100 seconds				
Warning Light	Green, Yellow, Red				
Overload Alarm	240 N·m (177 ft·lb)				



4 PC.



Calibration adapter



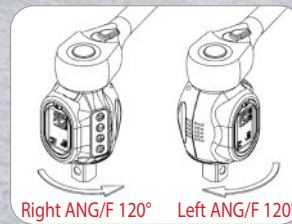
Torque Angle Adapter



- The LED screen is backlit for easier reading



- The ring-shaped warning light can provide an immediate visual cue for the torque values



- The body can be rotated 240° for easier reading



- This tool can also be used for torque testing for torque wrenches

Dual Scale - Newton Meter & English & Kilogram-force meter (N·m / ft·lb & kgf·m)

KT NO.	Square drive	Torque range			Scale	Packaging
		N·m	ft·lb	kgf·m		
34417-1A	1/2"	40 ~200 N·m	29.5~147.5 ft·lb	4.08~20.38 kgf·m	620	1 / 24

## Rapid Pipe Wrench

### 3616S

- Multi-purpose for all shape of fasteners and pipes
- Anti-slip teeth effective on worn screws
- Strong and durable CR-MO material

KT NO.	Capacity mm		
3616S-08P	12-28	350	1 / 20
3616S-14P	20-48	850	1 / 20



- Easy and quick to operate by one hand



- Rapid ratcheting action



- Special Jaw design provides extra strong grip

## Combination Wrench Set

### 12D21MRN



Protection cover



► MRN :Tetoron pouch bag

KT NO.	PC.	Contents	Package		
12D21MRN	21	 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	Tetoron	4.1	1 / 6

## Portable Wrench Set

▪ Wrench safely locked in support



▪ Easy to recognize



▪ One-handed carry



▪ Quick storage



▪ Elastic structure design



▪ Hanging hole design

- 12A2MRS02**
- 12A09MRS01**
- 12D12MRS**
- 12D12MRS01**
- 12D09MRS01**
- 12112MRS02**
- 12109MRS01**
- 12212MRS02**
- 12209MRS01**
- 12208SRS**



KT NO.	PC.	Contents	Package		
12A2MRS02	12	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	color box	1.8	1 / 8
12A09MRS01	9	1061 6, 8, 10, 11, 13, 14, 15, 17, 19	color box	1.20	1 / 20
12D12MRS	12	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22	color box	1.4	1 / 12
12D12MRS01	12	1062 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21	color box	1.4	1 / 12
12D09MRS01	9	6, 8, 10, 11, 13, 14, 15, 17, 19	color box	0.85	1 / 24
12112MRS02	12	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	color box	1.6	1 / 12
12109MRS01	9	3731M 8, 10, 11, 12, 13, 14, 15, 17, 19	color box	0.95	1 / 24
12212MRS02	12	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	color box	1.6	1 / 12
12209MRS01	9	3732M 8, 10, 11, 12, 13, 14, 15, 17, 19	color box	1.00	1 / 24
12208SRS	8	3732S 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	color box	0.90	1 / 24

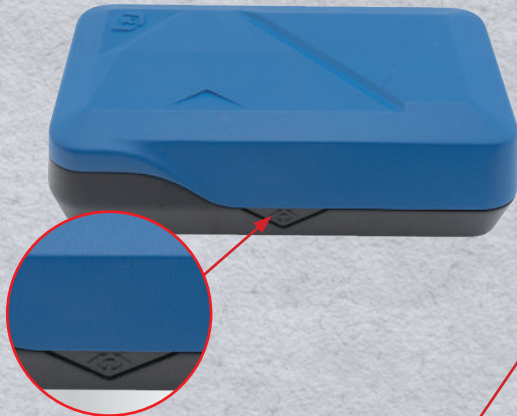
# Atom Series

*Asymmetrical line design*

**PAT.**
**39  
PC.**

## 2539MR-AM

Plastic case size (mm) :  
170 x 95 x 51(0.029 cuft)



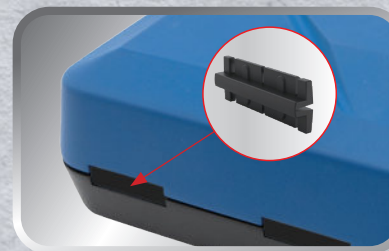
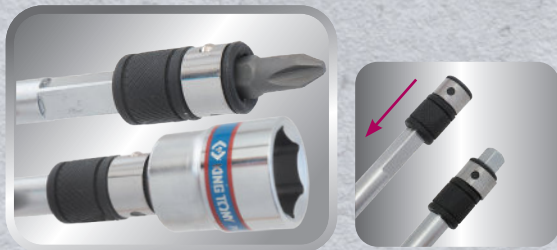
▪ Push mechanism



▪ Easy to pick up

















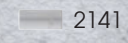
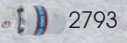
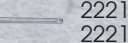




▪ Automatic raising bit rack



▪ Built-in rotation axis design

**Contents**

 0.86  /  1 / 24

		2335M	5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		1025P	PH1, PH2, PH3
		102512P	
		1025Z	PZ1, PZ2, PZ3
		1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
		1025S	4.0, 5.0, 6.0
		1025H	H2.5, H3, H4, H5, H6
		2773-55GS	 2176DF
		2141	 2793  2221-02 2221-04

## 4-way Control Cabinet Key

### 7HA21

- For all standard cabinets and shut-off systems
- For control cabinets and shut-off systems in the supply of gas, water and electricity
- For technical installations in buildings, e. g. air conditioning and ventilation systems, shut-off valves, mains switch-boards, etc.



KT NO.	mm	mm	mm	No.	mm	g		
7HA21	6, 8	9	3-5	PH2	1.0 x 7	89	20	200

## Premium HSS Metal Drills Bit & Set

### 7E121 <sup>1/4"</sup>

- Material : Premium high speed steel
- Application: Stainless steel, alloy steel, metal
- Fast removal rate using high cutting speeds and fast short chip evacuations
- 130 degrees split point enables accurate positioning
- Cobalt-containing provide superior performance for steel drill

KT NO.	Diameter mm	Length mm	g		
7E12115M-1	1.5	72	9	1	500
7E12120M-1	2.0	77	10	1	500
7E12125M-1	2.5	82	10	1	500
7E12130M-1	3.0	92	11	1	500
7E12132M-1	3.2	93	12	1	500
7E12135M-1	3.5	95	12	1	500
7E12140M-1	4.0	105	14	1	500
7E12145M-1	4.5	109	16	1	500
7E12150M-1	5.0	114	18	1	500
7E12155M-1	5.5	118	20	1	500



### 11110SQ <sup>1/4"</sup>

Ø mm	Overall length mm
1.5	72
2.0	77
2.5	82
3.0	92
3.2	93
3.5	95
4.0	105
4.5	109
5.0	114
5.5	118





## Power Driving Set

### 1045MR01-EB

**Contents**

0.97 1 / 12

	1025S	4.0 x 0.5, 5.5 x 0.8, 6.5 x 1.2
	1025P	PH2 x 2 ø4.7mm
	1025T	T10, T15, T20, T25, T27, T30, T35, T40
	1025H	H2, H3, H4, H5, H6
	1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H
	1025Z	PZ1, PZ2, PZ3
	1025R	RB1, RB2, RB3
	1550P	PH1, PH2 x 2, PH3
	7150P	PH2
	7E111	3, 4, 5
	761M x 65L	8, 10, 13
	750-50A	1/4"
	7702-50	1/4"
	759-140	

**45 PC.**


## Socket Set

### 2547MR-EB

**Contents**

1.0 1 / 12

	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	2375M	E4, E5, E6, E7, E8, E10
	2031	PH1, PH2, PH3
	2032	3.5, 4, 5.5, 6.5, 8
	2033	T8, T9, T10, T15, T20, T25, T27, T30, T40
	2035	H3, H4, H5, H6, H8
	2038	PZ1, PZ2
	2813	1/4" F x 3/8" M
	7702-50	1/4" DR.
	7703-50	3/8" DR.
	7704-50	1/2" DR.

**47 PC.**





## Socket Set

### 2549MR-EB

Contents

1.28 kg 1 / 12

49 PC.

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10 x2, 11, 12, 13, 14
		2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2275M	E4, E5, E6, E7, E8
		2375M	E4, E5, E6, E7, E8, E10
		2031	PH1, PH2
		2032	4, 5.5
		2035	H3, H4, H5, H6, H8
		2221-02	



## Bit Set

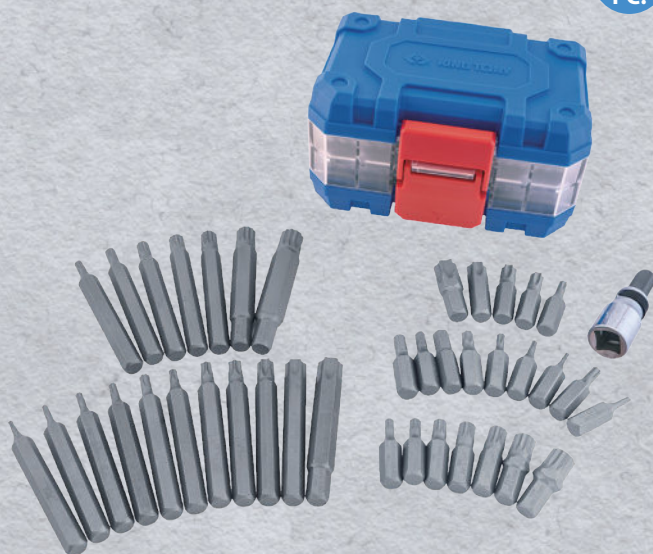
### 1041CQ-EB

Contents

2.1 kg 1 / 12

41 PC.

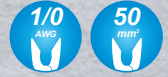
		1636M	M5, M6, M8, M9, M10, M12, M14
		1636U	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H, T60H
		1636H	H5, H6, H8, H10
		1680M	M5, M6, M8, M9, M10, M12, M14
		1680U	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H, T60H
		414810M	



## 5 in 1 Multi-functional Electrician Scissors

### 6AB14-06

- Professional scissors with special steel frame for high resistance and durability
- High hardness blades and anti-slip serrated edge for making precise cuts
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for a comfortable grip
- PP+TPR handle material
- The blade is made of 4034 stainless steel



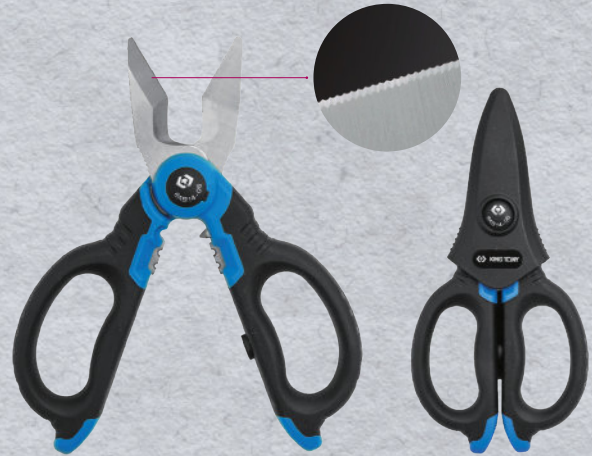
• Crimping terminal of cable

• Scraping



• Welding cable 100mm<sup>2</sup>

• Wire stripper 1.5-4mm<sup>2</sup>



KT NO.	Overall length		Cutting length mm	Cutting capacity AWG	Cutting capacity mm <sup>2</sup>	Wire stripper		Pin terminal insulated/ Non-insulated terminal crimping		g	/
	inch	mm				AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>		
6AB14-06	6-3/8	161	24	1/0	50	14-12	1.5-2.5	14	2.5	193	12 / 48

### 6AB14-65

- Professional scissors with special steel frame for high resistance and durability
- High hardness blades and anti-slip serrated edge for making precise cuts
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for a comfortable grip
- PP+TPR handle material
- The blade is made of 4034 stainless steel



• Wire stripper 1.5-4mm<sup>2</sup>

• Crimping terminal of cable

• Crimping terminal of cable



• Welding cable 100mm<sup>2</sup>

• Scraping



KT NO.	Overall length		Cutting length mm	Cutting capacity AWG	Cutting capacity mm <sup>2</sup>	Wire stripper		Pin terminal insulated/ Non-insulated terminal crimping		g	/
	inch	mm				AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>		
6AB14-65	6-3/4	170	21	3/0	80	16-12	1.5-4	14	2.5	228	12 / 48

## Multi-purpose Scissors

### 6AB33-95

- Ergonomically-designed handles are comfortable and durable during usage
- For cutting soft materials such as tin sheets, plastics, CD, cards and papers...etc
- The stainless steel blade and the curve-blade design makes it steady and saves strength while cutting
- The big angle design between blades and the handles of the scissors makes it so your hand never touches any object while operating
- Designed to conveniently adjust blades
- The blade is made of 420J2 stainless steel material
- PP+TPR handle material



• Large angle of blades



• Small angle of blades



• Big angle design between blades and the handles of the scissors



• Iron wire cutter

KT NO.	Overall length		Cutting length mm	Wire cutting Aluminum / Copper mm	Cutting capacities (mm)				312	6 / 48
	inch	mm			Cardboard / Carpet / Copper / Aluminium (soft)					
6AB33-95	9-3/4	246	73	2.5	10	5	0.5	0.6		

## Cable Stripping Knife

### 7935-08

- Blades are made from high tensile steel, allowing for excellent strength and performance
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for comfortable and durable usage
- The Cable Stripping Knife has a protection sheath
- The protection sheath can also be used for assisting stripping wires
- The V-shaped groove can be used to position wires, and can prevent sliding while you peel wires
- Nylon handle
- The blade is made of 4034 stainless steel



• Cable stripping



• Scraping



• Protection set locked



• Protection set unlocked

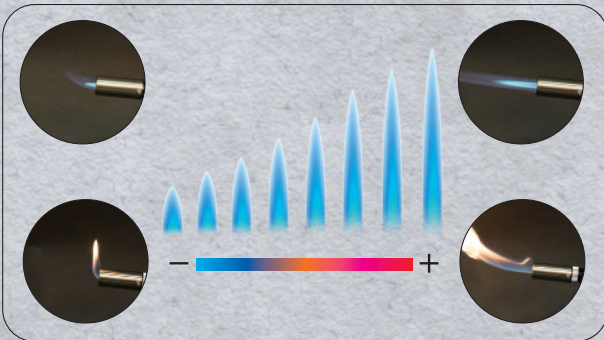


KT NO.	L mm	109	12 / 72
7935-08	204		

# Butane Torch

## 6BB11

- Adjustable flame length with a maximum temperature of 1300°C /2450°F and will operate on a single fill for 60~90 minutes
- Quick and easy to refill gas only 5 seconds
- A ceramic partition in the nozzle, fast heat dissipation and high safety
- Aluminium body, lightweight and portable
- Built in child proof safety lock system
- Applications include soldering, brazing, heat shrink tubing, frozen locks, fusing rope ends, camping, etc...
- Suitable for workshops, factories and daily professional use
- Anti-flare gas flow tube
- Piezo ignition for instant flame



• Push the safety latch up



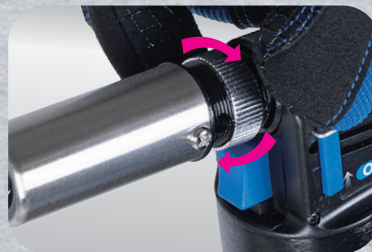
• Turn the gas flow control switch counter-clockwise





• Press the ignition button



• Refilling gas



• Turn the air flow control switch to change the fire type

KT NO.	Gas Capacity (ml)	Operation Time (min)	Gas Type	flame Temp °C/°F	Dimension L x W x H (mm)		
6BB11	34	60~90	Butane	1300 / 2450	122 x 70 x 168	400	12 / 24

# Cordless Butane Hot Air Gun

## 6BH21



- Quick and easy to refill gas only 3s, keeps running for approximately 1 hours
- Maximum temperature 550°C
- Portable and cordless for convenient application
- Gas control knob for heat adjustment
- Suitable for heat shrink, paint stripping and plastic welding, etc
- Optional 2 nozzle deflectors 6BH21-01 and 6BH21-02 for different operate
- Upright stand for heat shrink and hands free working with our stable and durable stand
- Instant use without needing time to preheat and cool down

► Here are some common uses for hot air gun along with the temperature needed to complete

150~ 200°C	250~ 300°C	350~ 400°C	450~ 500°C
---------------	---------------	---------------	---------------

► Application	► temperature	► Distance
• Shrinking plastic film	200°C ~300°C	(5~10cm)
• Bending plastic pipes	200°C ~300°C	(5~10cm)
• Softening Adhesives	300°C ~400°C	(1~5cm)
• Welding plastic	330°C ~400°C	(1~5cm)
• Stripping paint	500°C	(1cm)



• Refilling gas



• Adjustable head for 4 angle



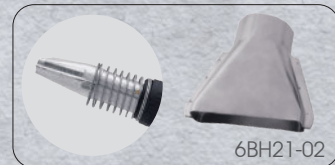
6BH21-01



• Pull the switch and Turn the gas on



• Press the ignition button



6BH21-02

KT NO.	Gas Capacity (ml)	Operation Time (min)	Gas Type	Operating Temp °C	Dimension(mm) LxWxH	Weight (g)	Box Qty
6BH21	34	60	Butane	550	168 x 66 x 198	576	1 / 20
6BH21-01	-	-	-	-	-	33	50 / 200
6BH21-02	-	-	-	-	-	21	20 / 200

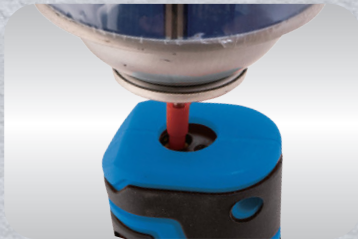
## Cordless Butane Gas Glue Gun

### 6BJ

- Self-regulating temperature system, avoiding the glue keeping coming out to stuck the nozzle or drip everywhere
- Fast-heating in 1 to 2 Minutes
- Quick and easy to refill gas only 3s, keeps running for approximately 1.5 hours
- Front top heater design for safety usage
- Portable and cordless for convenient application
- Passed the 250 hour continuous work durability test
- Included 2 PC. 11mm glue stick
- Suitable for wood workings, household repairs, artificial flowers, models, art and decorations etc...
- Optional glue stick 6BJ901, pack by 10 PC.
- Ergonomic comfort grip



▶ 6BJ21



• Refilling gas



• Turn the gas switch on



• Press the ignition button and wait 2-3 min (Make sure the indicator on)



• Automatic temperature control turns off at 180° and turns on under 160°



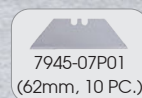
▶ 6BJ901

KT NO.	Gas Capacity (ml)	Operation Time (min)	Glue size (mm)	Gas Type	Operating Temp °C	Dimension(mm) L x W x H		
6BJ21	6.8	90	11	Butane	160-180	175 x 36 x 155	241	1 / 10
6BJ901	-	-	11	-	-	Ø11 x 150mm	140	10

## Retractable Safety Cutter

### 7946-07

- Multifunctional safety cutters with trapezium blades 60x18 mm premium quality robust and resistant
- Upper slider for blade extraction with automatic retraction
- Container with 2 replacement blades integrated in the handle
- Integrated device for cutting nylon threads and films
- Structure in zinc alloy, anti-slip ergonomic grip handle in TPR Soft-Grip
- High quality blades in carbon steel SK5 extremely sharp and long duration



7945-07P01 (62mm, 10 PC.)

KT NO.	L mm		
7946-07	180	200	12 / 72



• Auto return butto



• Auto lock button



• 2 blades in storage



• Blade replace button

## Lightweight PU Work Gloves

### 9TH41

- PU leather offers high dexterity, sensitivity, excellent grip and good comfort
- Mesh fabric provides good breathability
- Elastic band cuff with label velcro provides firm fitting

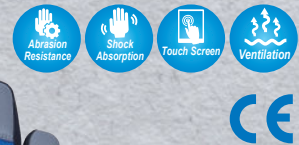


KT NO.	Size	Width mm	Overall Length mm		
9TH41-L	L	105	230	67	120
9TH41-XL	XL	110	240	72	120

## Impact Resistant Work Gloves

### 9TH42

- Goat leather palm provides high dexterity and comfort with EVA padding for anti-vibration
- Touch screen capable fingertips
- Mesh fabric provides good breathability
- Neoprene cuff with velcro adjustment ensures firm fitting



KT NO.	Size	Width mm	Overall Length mm		
9TH42-XL	XL	115	250	98	120
9TH42-XXL	XXL	120	260	102	120

## Silicone Non-slip Work Gloves

### 9TH43

- Durable palm with anti-slip silicone for excellent grip. EVA padding for anti-vibration
- Reflective piping ensure safe work in dark
- Elastic band cuff with label velcro provides firm fitting



KT NO.	Size	Width mm	Overall Length mm		
9TH43-XL	XL	115	247	102	120
9TH43-XXL	XXL	120	257	108	120



## Cold-resistant Work Gloves

### 9TH44

- Nubuck leather palm is breathable, foam insert for extra comfort and anti-vibration
- Reflective piping ensure safe work in the dark
- Neoprene cuff with velcro adjustment ensures firm fitting
- Thinsulate insulation lining offers extra warmth



KT NO.	Size	Width mm	Overall Length mm		
9TH44-XL	XL	120	250	105	120
9TH44-XXL	XXL	125	260	113	120

## Magnetic Work Gloves

### 9TH45

- Durable palm with magnetic index finger
- Powerful magnetic on back for storing metal parts & fasteners
- Elastic band cuff with label velcro to ensure firm fitting



KT NO.	Size	Width mm	Overall Length mm		
9TH45-XL	XL	120	250	92	120
9TH45-XXL	XXL	125	260	98	120

## Steel Wire Brush Set

### 9CZ201-S

**20 PC.**

Contents		
9CZ201 x 20 PC.	2.70	1 / 8

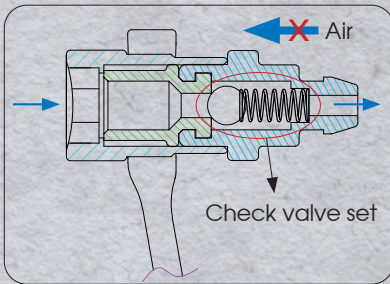


## Brake Bleeder Wrench Set

### 9BC5001MR

6  
PC.

- Wrench size : 7, 8, 9, 10, 11mm
- Use on any vehicle, SUV, light truck or motorcycle brake caliper
- Combine wrench & socket to make loosening and tightening easily
- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels
- High quality material internal seal to upgrade durability
- Silicone tube has the characteristics of acid and alkali proof, corrosion resistance, wear resistance, high and low temperature resistance
- Brake bleeder socket wrench prevents air backflow into brake system



Blow case size (mm) :  
260 x 160 x 60 (0.08 cuft)

**Contents**

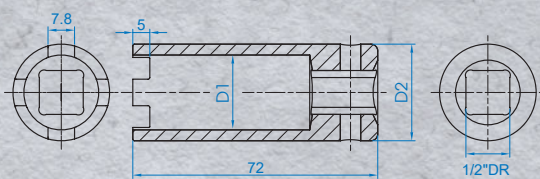
0.73 kg 1 / 6

	9BC5107M	7mm
	9BC5108M	8mm
	9BC5109M	9mm
	9BC5110M	10mm
	9BC5111M	11mm
	9BC32P021	

## Man & Benz Truck Diesel Injection Valve Socket

### 9AN43

- The tool is designed to remove and install diesel injection valve
- Application: MAN 422/403, BENZ Truck, SCANIA



KT NO.	D1 mm	D2 mm	Tooth	Weight	Quantity
9AN43	22	28.4	4	181	10 / 80





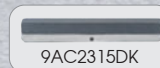
## Engine Cylinder Hone 50~175mm

### 9AC231-54

- For engine cylinders bores from 50mm to 175mm
- Adjustable spring tension and spread limiter easy to remove carbon
- The hone stones is 220 grit, coarse grade



KT NO.	∅ Capacity mm		
9AC231-54	50~175	700	6 / 24

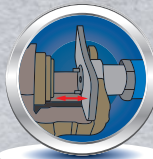


## Pneumatic Disc Brake Wind-Back Tool

### 9BC251A01

- Designed to make disc brake services faster and energy saving
- Tool can be turned left-and right-ward - suitable for regular and reverse-threaded pistons
- Pneumatic powered tool is able to wind pistons back simply pressing a button

 1.35  1 / 10



Increase the use of space



Magnetic

## Anti-freeze & Coolant Tester

### 9DD22

- Use to check condition of antifreeze and coolant (Ethylene Glycol)
- Ideal for avoiding winter freeze-ups and summer overheating

 85  10 / 100



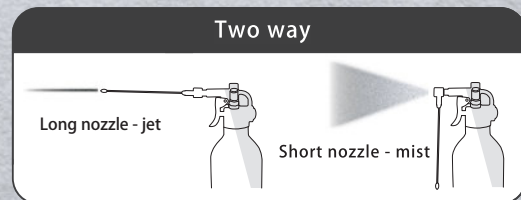
## Refillable Pressure Sprayer

### 9TBA600

- Suitable for lubrication, cleaning brake systems, removing dust and applying anti-rust
- Two-position folding nozzle for a standard or long stream spray pattern for narrow and difficult to reach areas
- Do not use with strong chemical or corrosive fluid tool
- The aluminum alloy material uses a one-piece seamless structure to withstand high pressure
- Increase in thickness makes the product less prone to deformation and stronger
- The trigger is not affected by recoil force and is easy to operate
- Max pressure 350 Psi (25Kg /cm<sup>2</sup>)
- Safety valve pressure : 140Psi (9.84 Kg /cm<sup>2</sup>)



Always wear eye protection while using this tool

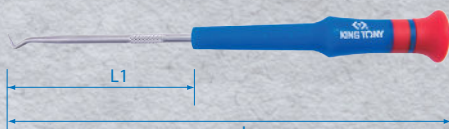


KT NO.	inch	L mm	capacity	g	kg
9TBA600	11	280	600 cc	330	1 / 12

## Hook & Pick

### 43350175Y

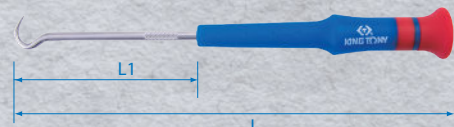
- Bent Tip 45°



KT NO.	L mm	L1 mm	g	kg
43350175Y	170	76	16	20 / 320

### 43360175Y

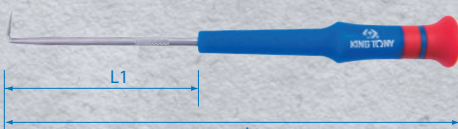
- Hook



KT NO.	L mm	L1 mm	g	kg
43360175Y	170	76	15.6	20 / 320

### 43370175Y

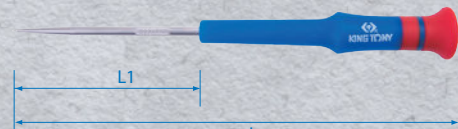
- Bent Tip 90°



KT NO.	L mm	L1 mm	g	kg
43370175Y	170	76	16	20 / 320

### 43390175Y

- Awl



KT NO.	L mm	L1 mm	g	kg
43390175Y	170	76	15.2	20 / 320

# Vehicle Battery Tester

## 9DC51

- Test a 12V lead-acid battery of any vehicle
- CCA testing(SAE/DIN/EN/IEC/CA standard)
  - Working voltage: DC 9~15V
- Engine starting voltage test
  - Measures the minimum voltage when the engine starts
- Charging voltage test
  - About 14 volts
- CCA Level bar indication
  - LOW / MID / HIGH
- LCD with background light



KT NO.	Test range(V)	Size(mm) LxWxH	g	kg
9DC51	9 ~ 15	135 x 78 x 33	374	1 / 36

















Available set up range of cold cranking ampere	CA(MCA) : 250~1190	
	DIN : 105~600	EN : 185~900
	SAE : 200~950	IEC : 125~710
Range	Voltage : 0.01V CCA : 1CCA	
Accuracy	Voltage : +/- 0.05V	
Type of battery available	Available for voltage 12V (9~15V) normal lead-acid battery (lead calcium alloy) below: Sealed maintenance free battery, maintenance free battery, standard type battery, EFB(Enhanced flooded cell battery), AGM (Absorbent glass mat) battery. Not available for lithium iron battery.	
Reverse polarity protection	Reverse protection<20V DC	
Operation temperature	0° C~50° C (32° F~122° F)	
Storage temperature	-30° C~70° C (-22° F~158° F)	



**NEW**

# Insulated Tool Set for Hybrid and Electric Vehicles

## 9052-003VEMRV

- |           |   |  |
|-----------|---|--|
| 3771VE-08 |    | 3/8" DR. VDE Insulated Reversible Ratchet Quick-Release  |
| 3221VE    |    | 3/8" DR. VDE Insulated Extension Bar 150mm, 250mm  |
| 3335VE    |    | 3/8" DR. VDE Insulated 6PT Metric Standard Socket 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22 |
| 10G0VE    |    | VDE Insulated 75° Offset Ring Wrench 10mm, 12mm  |
| 3026VE    |    | 3/8" DR. Insulated bit socket for spline M8, M10, M12  |
| 7939A     |   | Insulated cutting knife  |
|           |  | VDE Insulated Standard Screwdriver T20, T25, T30   |
| 1472      |  | VDE Insulated Slotted Screwdriver 2.5, 3, 4, 5.5   |
| 1471      |  | VDE Insulated Phillips Screwdriver PH1, PH2, PH3   |
| 6116-08A  |  | VDE Insulated Combination Pliers   |
| 6236-07A  |  | VDE Insulated Diagonal Cutting Pliers (Heavy Duty)   |
| 6318-08A  |  | VDE Insulated Long Nose Pliers   |
| 6336-08A  |  | VDE Insulated Bent Nose Pliers   |
| 6516-10A  |  | VDE Insulated Water Pump Pliers (Box Joint)  |
| 9DM2351   |  | Digital Clamp Meter<br>AC Ampere MAX 600A<br>AC/DC Voltages MAX 600V<br>Resistance MAX 20MΩ                  |
| 9TA281    |  | Rechargeable LED Pen Light<br>TOP light : 80 Lumen/4 hour<br>Main light 120 Lumen/2.5 hour                   |
|           |  | Insulated gloves   |



43 PC.

# Insulated Tool Set for Hybrid and Electric Vehicles

With stacking toolbox series



Out for maintenance

- ◆ Quick
- ◆ Saving time
- ◆ Save effort



Organize different tools in different boxes

- ◆ Good storage
- ◆ Easy to take



64 PC.



## 9052-004VEMRV



3/8" DR. VDE Insulated Reversible Ratchet Quick-Release 200mm



3/8" DR. VDE Insulated Extension Bar 150mm, 250mm



3/8" DR. VDE Insulated 6PT Metric Standard Socket 8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24



3/8" DR. VDE Insulated T-Shaped Driver 200mm



3/8" DR. VDE Insulated HEXAGON Bit Socket 4, 5, 6, 8, 10



VDE Insulated Open End Wrench 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24



VDE Insulated 75° Offset Ring Wrench 8, 10, 12, 13, 14, 17, 18, 19



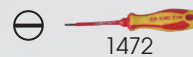
VDE Insulated Adjustable Wrench



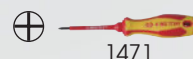
Insulated cutting knife



Rechargeable LED Pen Light  
Top light : 80 lumen/4 hours  
Main light 120 lumen/2.5 hours



VDE Insulated Slotted Screwdriver 2.5, 4, 5.5



VDE Insulated Phillips Screwdriver PH0, PH1, PH2



VDE Insulated Standard Screwdriver T10, T15, T20, T25, T27, T30



VDE Insulated Combination Pliers



VDE Insulated Diagonal Cutting Pliers (Heavy Duty)



VDE Insulated Long Nose Pliers



VDE Insulated Wire Stripping Pliers (With Spring)



Digital Clamp Meter  
AC Ampere MAX 600A  
AC/DC voltage MAX 600V  
resistance MAX 20MΩ



Insulated gloves



 KING TONY

KING TONY

 KI

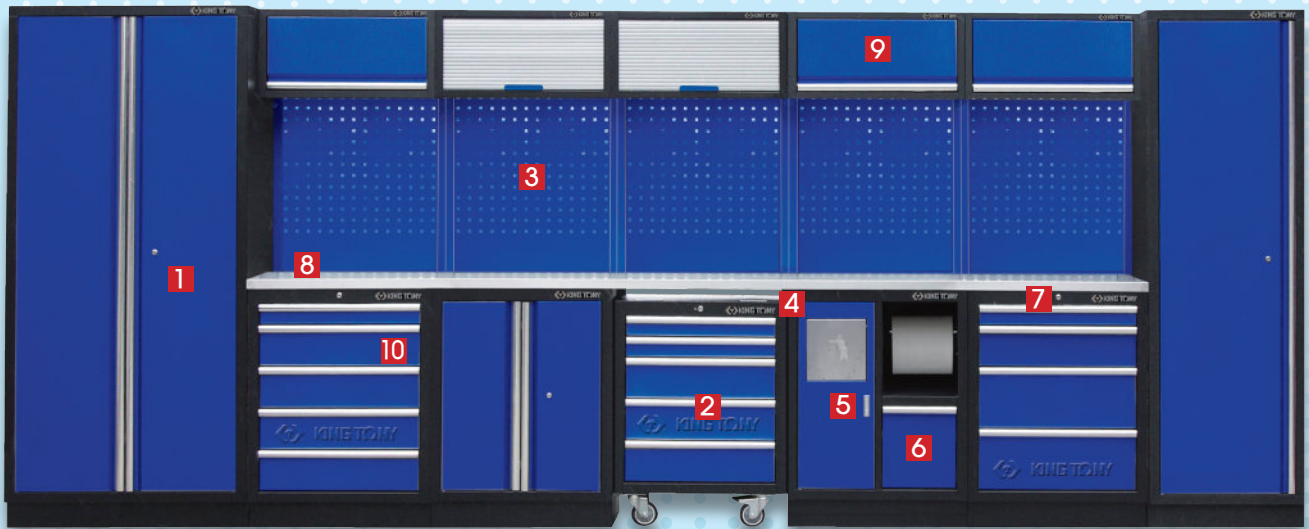




# TOOLS STORAGE & TOOLS SYSTEM SETS ▶



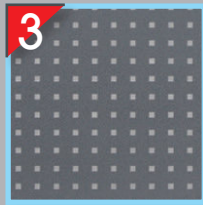
# OBJECT-ORIENTED ORGANIZATION



1 Flexible / adjustable shelves



2 Ball bearing slides



3 Steel panel for tool storage



4 Concealed handle



5 Hidden knob



6 Double volume



7 Front centralized locks



8 Stainless steel work surface



9 Cupboard with gas spring



10 The drawer with capacity 30kg



# OBJECT-ORIENTED ORGANIZATION



## 87D11X01SA-KG

Overall: 4885 x 460 x 2000 mm

462.23 Kg CUFT 116.75



## 87D11X01SA-KB

Overall: 4885 x 460 x 2000 mm

462.23 Kg CUFT 116.75





# OBJECT-ORIENTED ORGANIZATION

## 87D11X02SA-KG

Overall: 4235 x 460 x 2000 mm

400.87 KG CUFT 100.23



## 87D11X02SA-KB

Overall: 4235 x 460 x 2000 mm

400.87 KG CUFT 100.23





# OBJECT-ORIENTED ORGANIZATION



## 87D11X03A-KG

Overall: 2955 x 460 x 2000 mm

262.26 CUFT 71.39



## 87D11X03A-KB

Overall: 2955 x 460 x 2000 mm

262.26 CUFT 71.39





# OBJECT-ORIENTED ORGANIZATION

## 87D11X04A-KG

Overall: 2640 x 460 x 2000 mm

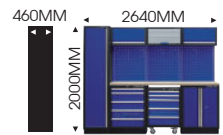
⚖️ 248.60 CUFT 64.91



## 87D11X04A-KB

Overall: 2640 x 460 x 2000 mm

⚖️ 248.60 CUFT 64.91



## 87D11X05A-KG

Overall: 2275 x 460 x 2000 mm

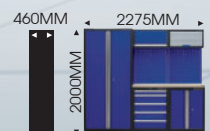
⚖️ 202.50 CUFT 51.83



## 87D11X05A-KB

Overall: 2275 x 460 x 2000 mm

⚖️ 202.50 CUFT 51.83





# OBJECT-ORIENTED ORGANIZATION



## 87D11A-KG

Overall: 3920 x 460 x 2000 mm

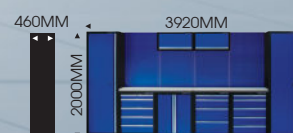
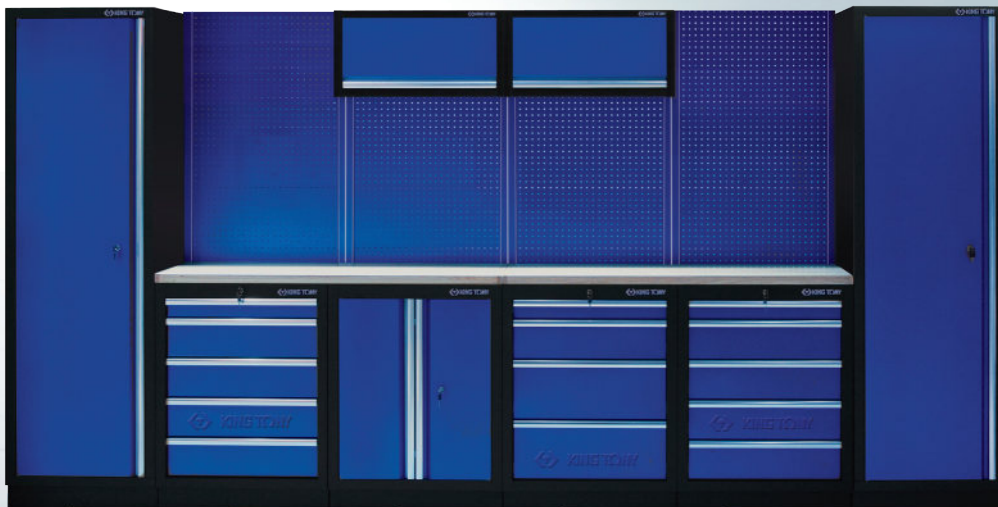
KG 351.57 CUFT 89.35



## 87D11A-KB

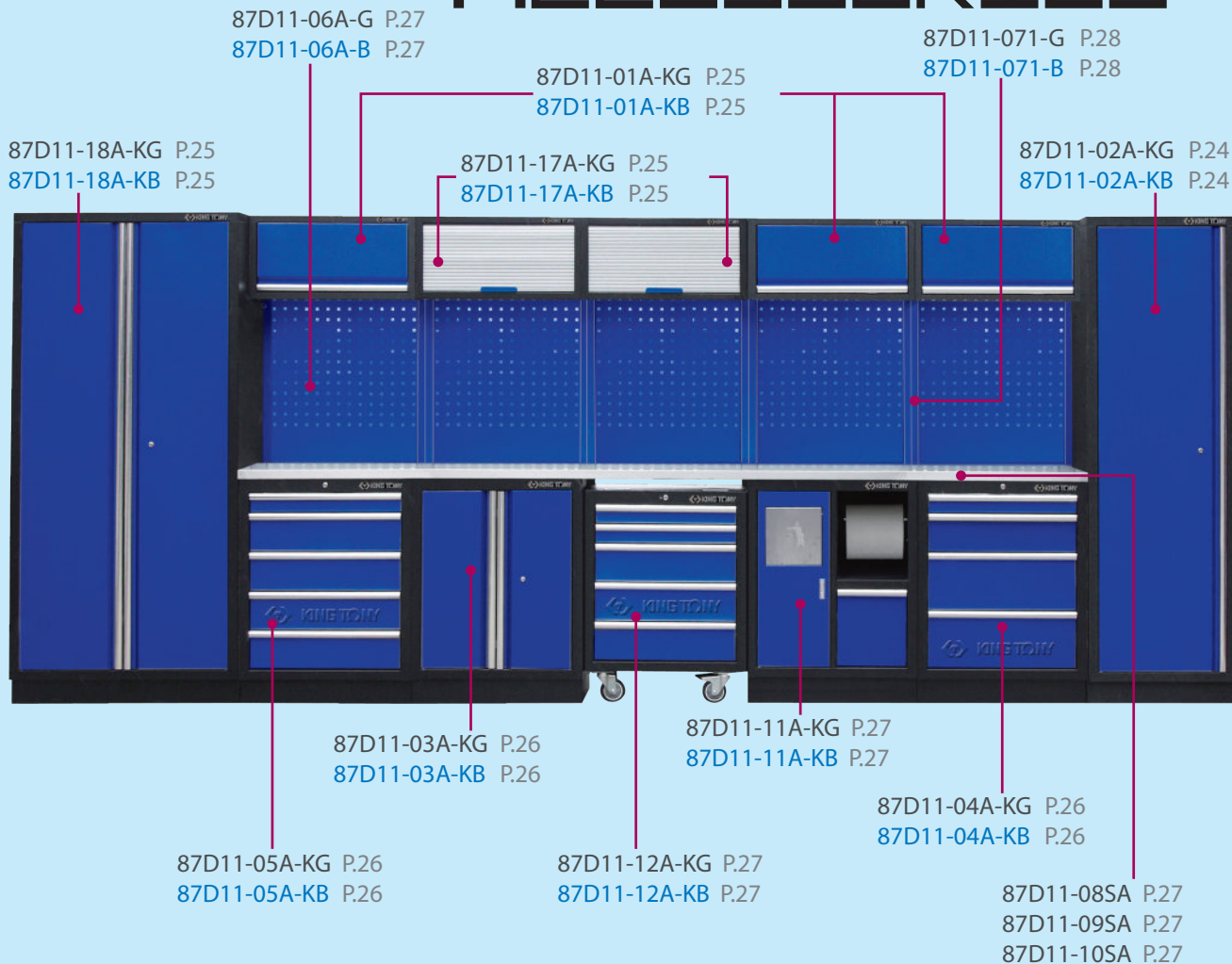
Overall: 3920 x 460 x 2000 mm

KG 351.57 CUFT 89.35





# OBJECT-ORIENTED ORGANIZATION ACCESSORIES



## Tall Cabinet

87D11-02A-KG

87D11-02A-KB



KT NO.	Overall (mm)	Kg	CUFT
87D11-02A-KG	600 x 460 x 2000	53	9.28
87D11-02A-KB			





# Tall Cabinet

87D11-18A-KG


87D11-18A-KB

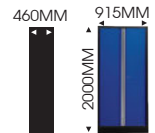


87D11-18A-KG



87D11-18A-KB

KT NO.	Overall (mm)		CUFT
87D11-18A-KG	915 x 460 x 2000	78	12.72
87D11-18A-KB			



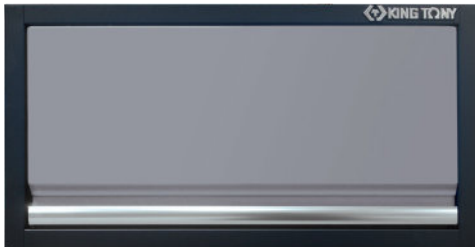
# Wall Cabinet

87D11-01A-KG

87D11-01A-KB

87D11-17A-KG

87D11-17A-KB



87D11-01A-KG




87D11-01A-KB



87D11-17A-KG



87D11-17A-KB

KT NO.	Overall (mm)		CUFT
87D11-01A-KG	680 x 280 x 350	10.0	3.73
87D11-01A-KB			
87D11-17A-KG		8.4	
87D11-17A-KB			





# Opened Door Cabinet

## 87D11-03A-KG




87D11-03A-KG

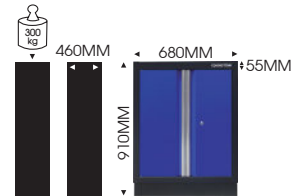


87D11-03A-KB

## 87D11-03A-KB



KT NO.	Overall (mm)	 Kg	CUFT
87D11-03A-KG	680 x 460 x 910	28.5	13.58
87D11-03A-KB			



# Drawer Cabinet

## 87D11-04A-KG

## 87D11-04A-KB



87D11-04A-KG



87D11-04A-KB

## 87D11-05A-KG


## 87D11-05A-KB

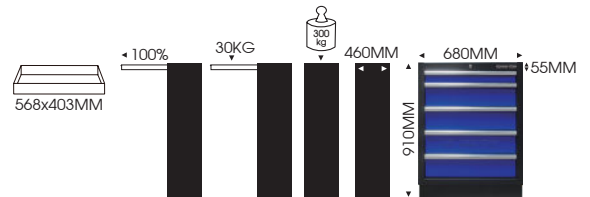


87D11-05A-KG



87D11-05A-KB

KT NO.	Spec.	Overall (mm)	 Kg	CUFT
87D11-04A-KG	4	680 x 460 x 910	46.70	13.58
87D11-04A-KB	Drawer			
87D11-05A-KG	5	680 x 460 x 910	49.30	13.58
87D11-05A-KB	Drawer			





## Trash Bin With Paper Holder

87D11-11A-KG

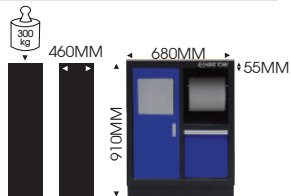
87D11-11A-KB



87D11-11A-KG

87D11-11A-KB

KT NO.	Overall (mm)	Kg	CUFT
87D11-11A-KG	680 x 460 x 910	35.20	13.58
87D11-11A-KB			



## 5 Drawers Cabinet

87D11-12A-KG

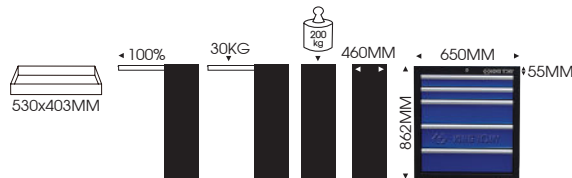
87D11-12A-KB



87D11-12A-KG

87D11-12A-KB

KT NO.	Spec.	Overall (mm)	Kg	CUFT
87D11-12A-KG	5 Drawer	650 x 460 x 862	46	10.41
87D11-12A-KB				



## Pressed Wooden Board

87D11-08A

87D11-09A

87D11-10A

KT NO.	Overall (mm)	CUFT
87D11-08A	1360 x 465 x 38	12.5 1.61
87D11-09A	2042 x 465 x 38	19.0 2.39
87D11-10A	681 x 463 x 38	6.0 0.81



## Stainless Board

87D11-08SA

87D11-09SA

87D11-10SA

KT NO.	Overall (mm)	Kg	CUFT
87D11-08SA	1360 x 465 x 38	21.0	1.61
87D11-09SA	2042 x 465 x 38	31.80	2.39
87D11-10SA	681 x 463 x 38	10.50	0.81

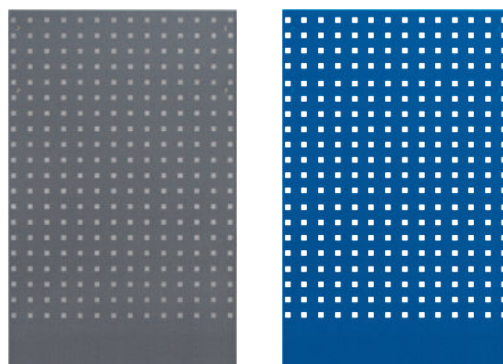


## Back Panel

87D11-06A-G

87D11-06A-B

KT NO.	Overall (mm)	Kg	CUFT
87D11-06A-G	615 x 25 x 1052	5.3	1.13
87D11-06A-B			



87D11-06A-G


87D11-06A-B



# Pillar

87D11-071A-G

87D11-071A-B

KT NO.	Overall (mm)	 KG	CUFT
87D11-071A-G	33 x 30 x 1420	1.5	0.13
87D11-071A-B			

87D11-071A-B

87D11-071A-G

# Optional accessories

87D11X06SA-KG

87D11X06A-KG

87D11X06SA-KB


87D11X06A-KB

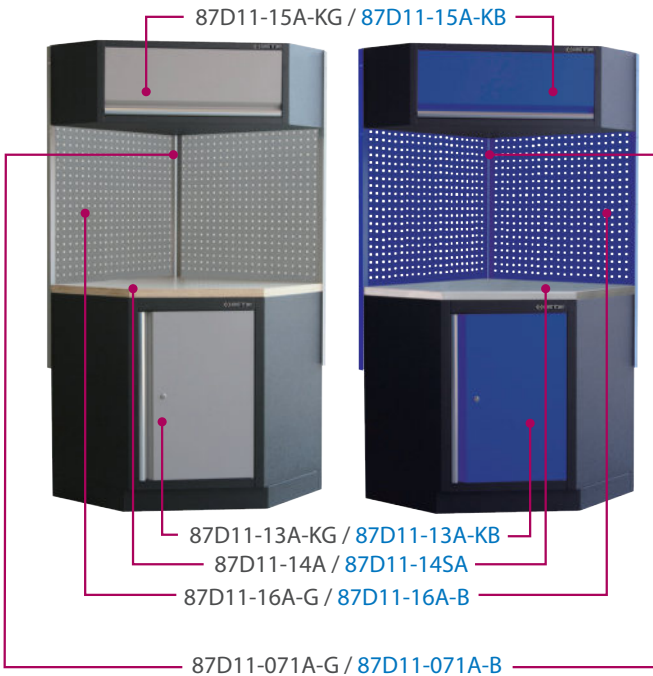
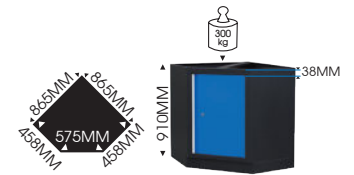
## Corner Bottom Cabinet

87D11-13A-KG

87D11-13A-KB



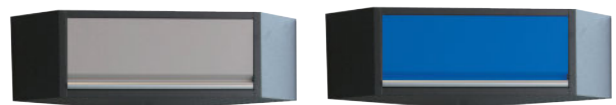
KT NO.	Overall (mm)	 KG	CUFT
87D11-13A-KG	865 x 865 x 910	42	7.06
87D11-13A-KB			




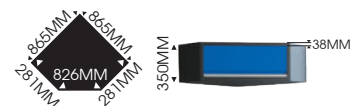
## Corner Wall Cabinet

87D11-15A-KG

87D11-15A-KB



KT NO.	Overall (mm)	 KG	CUFT
87D11-15A-KG	865 x 865 x 350	21	12.70
87D11-15A-KB			





## Stainless Steel Board

87D11-14SA



KT NO.	Overall (mm)	Kg	CUFT
87D11-14SA	865 x 865 x 38	19	1.94

## Pressed Wooden Board

87D11-14A



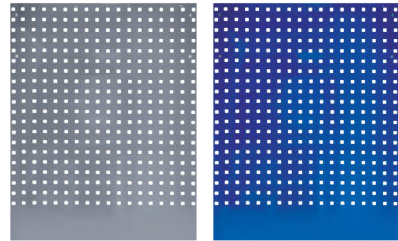
KT NO.	Overall (mm)	Kg	CUFT
87D11-14A	865 x 865 x 38	13	1.94

## Corner Back Panel


87D11-16A-G

87D11-16A-B





KT NO.	Overall (mm)	Kg	CUFT
87D11-16A-G 87D11-16A-B	800 x 25 x 1052	6.95	1.45



## Adjusting Feet

KT NO.	Contents	Kg
<b>new</b> 87D11-05A-10	 Pack by 4 PC.	40

## Hook

KT NO.	Contents	Kg
87E02-051A	 1" Single hook Pack by 10 PC.	20
87E02-053A	 3" extra long single hook Pack by 10 PC.	30
87E02-061A	 1" Double hook Pack by 10 PC.	50
87E02-063A	 3" extra long double hook Pack by 10 PC.	68



# Customized Color Choice Chart

Color		Item Number
Red		8743X-XB
Red+Black		8743X-XB-RK
Blue		8743X-XB-B
Blue+Black		8743X-XB-BK
Black		8743X-XB-K
Gray		8743X-XB-G
Orange+Black		8743X-XB-OK



(Other colors are optional, produce with minimum quantity)

# Tool Trolley



• 100% open ball bearing slide for drawer

• Add strength and safety

• Central locking system + 10mm top mat

• One piece steel body

• Embossed & hammed edge drawer increase strength

• Industrial TPR floor brake casters

## Accessory

### 87432-15

- Plastic top mat
- Size : 920(W) x 490(D) x 50(H)mm



### 84087637BKT

- Plastic mat
- Size : 665(W) x 455(H) x 19(D) mm



### 87432-33

- Magnetic tool holder
- Size : 458 x 52 x 17mm



### 87432-34

- Bottle side holder



### 87432-31

- Side handle bar
- Size : (Ø)38.5 x 457(L) mm



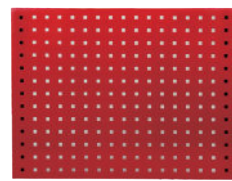
### 87432-32

- Can holder



### 87432-41

- Work panel
- Size : 656(W) x 500(H) x 30(D) mm



**CAUTION** Can't install side tray(87432-32) at the same time



### 87432-52

- Paper holder
- Size : 45(H) x 290(L) x 65(D) mm

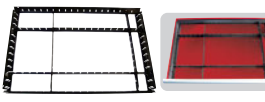


### 87432-17

- Flat side panel
- Size : 456 x 370mm



### 87432-23



### 87432-24



KT NO.	Frame(mm) Width x Depth x Height	Material	Divider Size mm
87432-23	574 x 358 x 40	Steel	Long: 560x40(2PC.) Short: 368x40(2PC.)
87432-24	-	Plastic	Long: 570x40(3PC.) Short: 375x40(3PC.)

## Trolley Side Cabinet

### 87430A5-7B

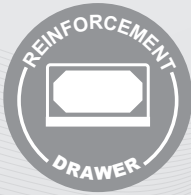
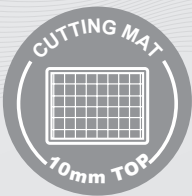
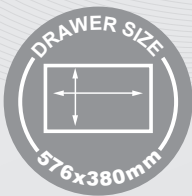
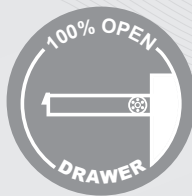
- Drawer chest for trolley



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	KG	CUFT
87430A5-7B	Overall	382 x 460 x 795	41	8.5
	5 Drawer	288 x 380 x 75		
	2 Drawer	288 x 380 x 154		



# Tool Trolley



**Tool Trolley Set**



P.60-64  
P.87-92

**EVA Foam**



P.67-85

**Plastic Tray**

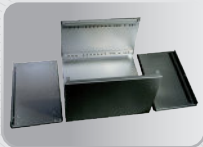


P.104-127





• Selective colors:



• One piece steel body



• Embossed & hammered edge drawer increase strength



• Central locking system + 10mm top mat



• Add strength and safety



• Industrial TPR floor brake casters



87438-3B



87432-5B



87434-7B



87437-8B



87437-10B

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	Kg	CUFT
87438-3B	3 Drawer	576 x 380 x 75	5"x1-1/4"	360 Kg	47.2	12.24
	2 Door	550 x 380 x 420				
87432-5B	4 Drawer	576 x 380 x 75				
	1 Drawer	576 x 380 x 154				
87434-7B	Bulk Drawer	603 x 404 x 234				
	5 Drawer	576 x 380 x 75				
87437-8B	2 Drawer	576 x 380 x 154				
	7 Drawer	576 x 380 x 75				
87437-10B	1 Drawer	576 x 380 x 154				
	6 Drawer	576 x 380 x 48.5				
	3 Drawer	576 x 380 x 75				
	1 Drawer	576 x 380 x 154			69	



# Evolution Roller



KT NO.	Contents	kg	15.0	1 / 1
87430A	Multipole space bar x 2			
	Pull handle bar x1			
	Tool bin & oil can holder x 2			
	Single hook x4			
87430A-K	Multipole space bar x 2			
	Pull handle bar x1			
	Tool bin & oil can holder x 2			
	Single hook x4			

- Enlarge storage for long straight object or tools
- All corners placement for large object or tools, increase storage arrangement to 850mm length tools
- Folded edges for magnetic holder or tools, 80mm width
- Multi-function concave shape for safety placement of tools
- Hanging solutions with various additional accessories



# Tool Trolley

- Specifically collocate with workbench



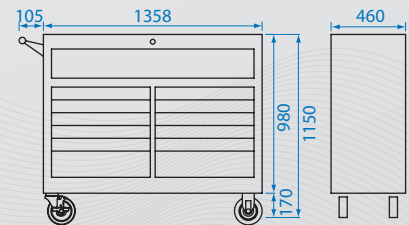
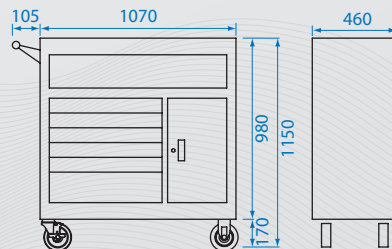
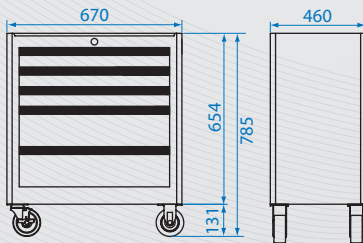
87431-5BE



87439-7B



87435-13B

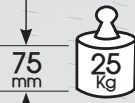


KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	kg	CUFT
87431-5BE	3 Drawer	576 x 380 x 75	4" x 1-1/4"	250 Kg	50	10.03
	2 Drawer	576 x 380 x 154				
	5 Drawer	576 x 380 x 75				
87439-7B	1 Drawer	576 x 380 x 154	6" x 2"	600 Kg	129	25.00
	1 Drawer	927 x 380 x 173				
	1 Door	317.5 x 404 x 554				
87435-13B	10 Drawer	576 x 380 x 75	6" x 2"	600 Kg	166	31.54
	2 Drawer	576 x 380 x 154				
	1 Drawer	1215 x 390 x 173				

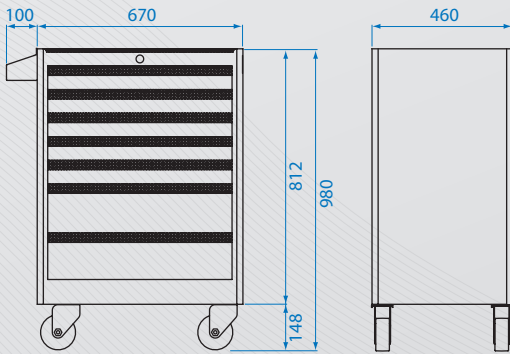


# Risk-Free Tool Trolley

(Other colors are optional, produce with minimum quantity)



Selective colors:



- ONE PIECE STEEL STRENGTH
- REINFORCEMENT DRAWER
- 5" x 2" CASTERS
- 30KG 154mm
- LOCKING SYSTEM
- 100% OPEN DRAWER
- ACCESSORY OPTIONAL
- 25KG 75mm
- DRAWER SIZE 576x380mm
- CUTTING MAT 10mm TOP
- 680KG LOADING
- RISK-FREE ONE DRAWER OPEN

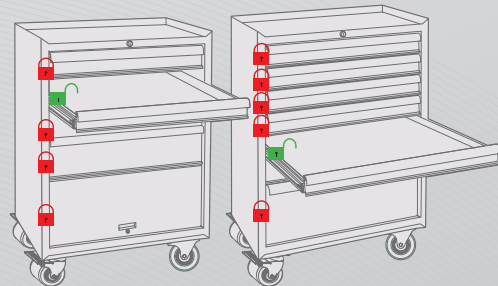
Only open one drawer to prevent tilting risk !



87432-5G



87434-7G



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87432-5G	4 Drawer	576 x 380 x 75	5" x 2"	680 Kg	56	12.24
	1 Drawer	576 x 380 x 154				
	Bulk Drawer	603 x 404 x 234				
87434-7G	5 Drawer	576 x 380 x 75			64	
	2 Drawer	576 x 380 x 154				



# Risk-Free Tool Trolley



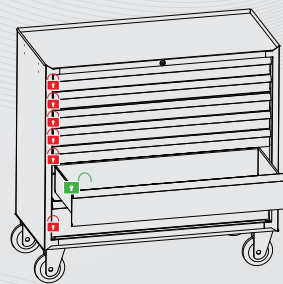
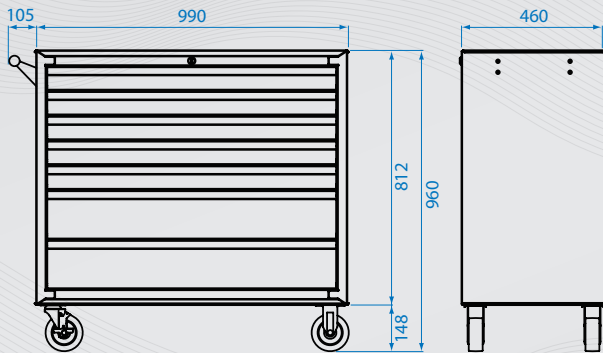
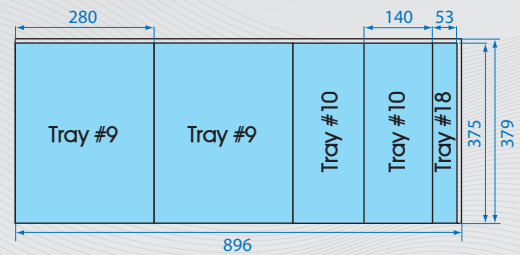
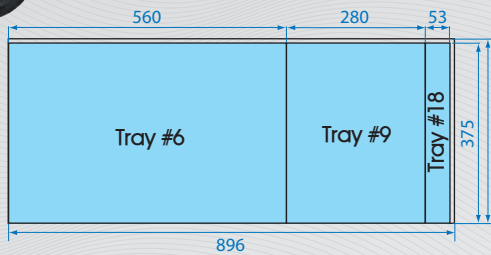
**INDUSTRIAL**



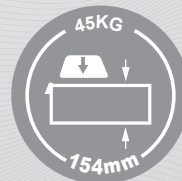
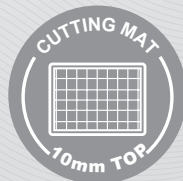
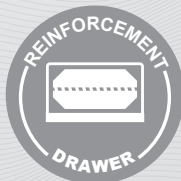
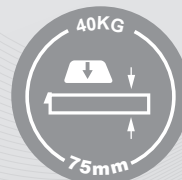
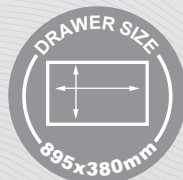
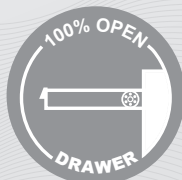
75 mm



154 mm



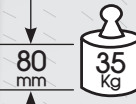
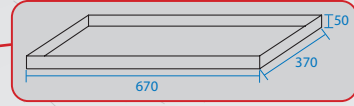
Only open one drawer to prevent tilting risk !



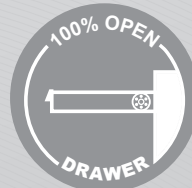
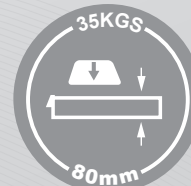
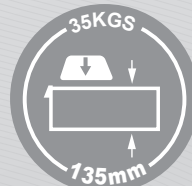
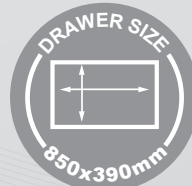
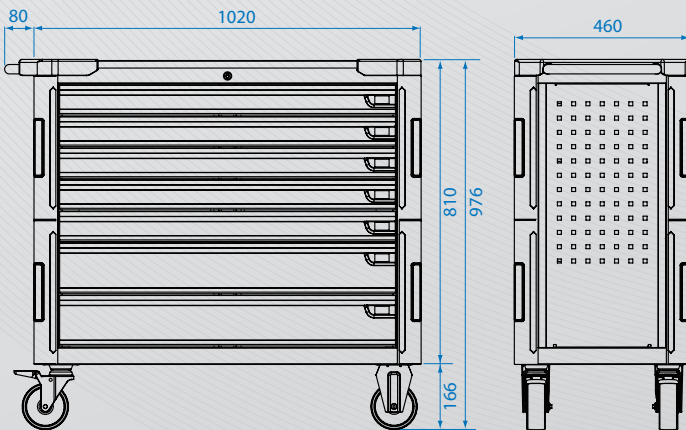
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87462-7G-KB	Overall	953 x 460 x 812	5" x 1-1/4"	600 Kg	83	21.17
	Overall+5" Casters	990 x 460 x 960				
	5 Drawer	895 x 380 x 75				
	2 Drawer	895 x 380 x 154				



# Classic Bumper Type Tool Trolley



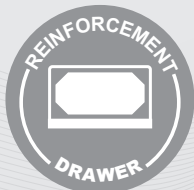
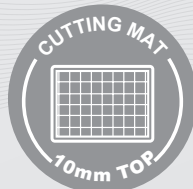
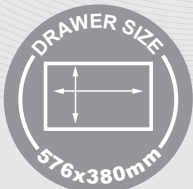
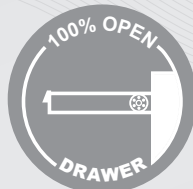
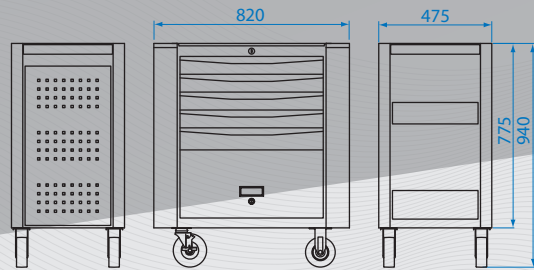
- Multi-functional stainless working top
- One drawer open only, prevents unstable center of gravity
- 100% pull out ball bearing drawer with auto-return system
- TPR corner protection bumpers
- More space for hanging
- 5" x 2" Heavy duty casters (2 fixed and 2 swivel with stop function)



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G33-7B-KB	Overall	1020 x 460 x 810	5" x 2"	370 Kg	80.0	22.60
	Overall+4 Casters	1020 x 460 x 976				
	5 Drawers	850 x 390 x 80				
	2 Drawers	850 x 390 x 135				



# Classic Bumper Type Tool Trolley



## Tool Trolley Set



P.60-64  
P.87-92

## EVA Foam



P.67-85

## Plastic Tray



P.104-127



(Other colors are optional, produce with minimum quantity)

Selective colors:



• With bottle tray and side tray



• Embossed & hammed edge drawer increase strength



• Industrial TPR floor brake casters

• Multipole space bar to hold other tools



• Ball bearing drawer



• Black anodized aluminum strip



• Soft bumpers side advioding damage vehicle




87632-5B



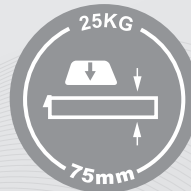
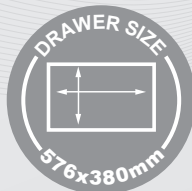
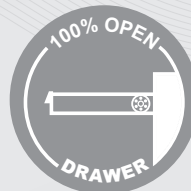
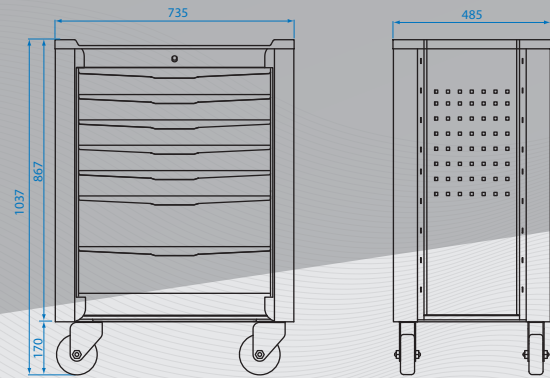
87634-7B

- Soft bumpers each side avoids scratch or damage vehicle
- More space for bottles & hanging
- Easily move two side handle bar & industrial TPR casters
- 100% pull out ball bearing drawer
- One piece steel for heavy load structure
- Central locking system + 10mm top mat

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87632-5B	4 Drawer	576 x 380 x 75	5" x 1-1/4"	360 Kg	59.00	15.64
	1 Drawer	576 x 380 x 154				
	Bulk Drawer	603 x 404 x 234				
87634-7B	5 Drawer	576 x 380 x 75			66.14	
	2 Drawer	576 x 380 x 154				



# Risk-Free Bumper Type Tool Trolley



for 87934-7BF

## Tool Trolley Set



P.60-64  
P.87-92

## EVA Foam



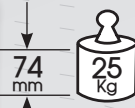
P.67-85

## Plastic Tray



P.104-127





(Other colors are optional, produce with minimum quantity)

Selective colors:



153 mm



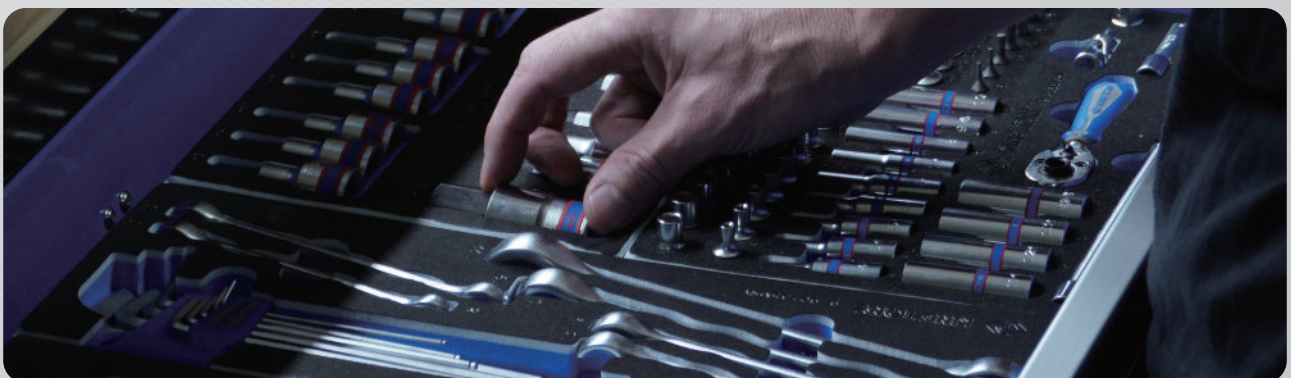
• Soft bumpers side avoids damage vehicle

• Black anodized aluminum strip

• Industrial TPR floor brake casters

- Smooth to slip with 2 steps safety lock casters
- 5" x 2" TPR high-performance wheels on roller bearings, w/brake
- Patent crane hook lock drawer prevent tilting risk
- More space for bottles & hanging
- 100% pull out ball bearing drawer
- Double-wall construction for dust free storage
- Central locking system + 10mm top mat

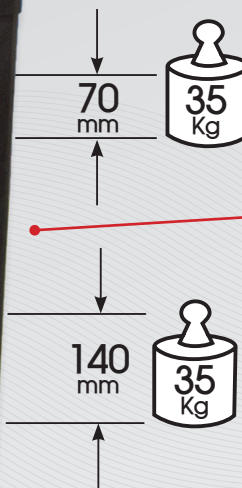
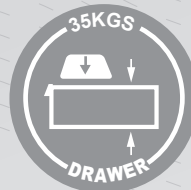
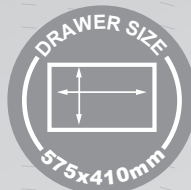
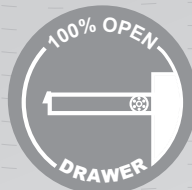
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Contents	Casters	Static load		CUFT
87934-7BF	7 Drawer	5-576 x 380 x 74 2-576 x 380 x 153	87934-31 Pull handle bar x 1	5" x 2"	680 Kg	75.00	12.70
			87934-32 Tool bin & oil can holder x 1				
			87502-051 Single hook x 4				





# 7+2 Tool Trolley

- Magnetic drawer closures
- Extra side compartment
- Multi-functional working top
- Side locking system



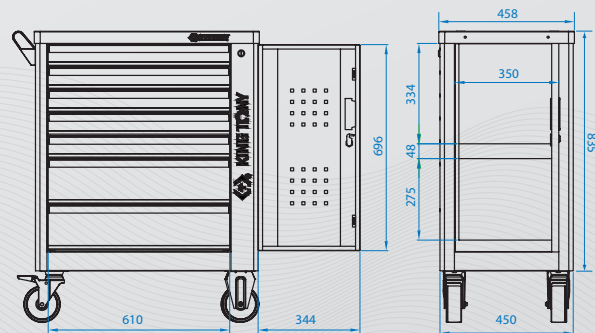
• Side compartment



• Industrial TPR floor brakes casters



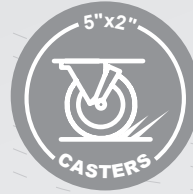
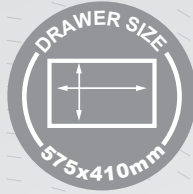
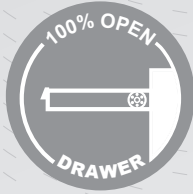
• Multi-functional working top



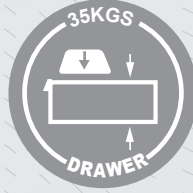
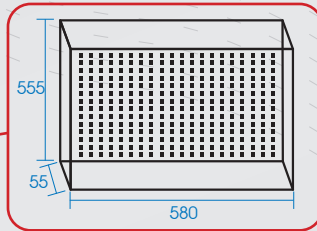
KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G35-7B-KB	Overall	752 x 538 x 807	5" x 2"	400 Kg	55	13.19
	Overall+4 Casters	752 x 538 x 982				
	5 Drawers 2 Drawers	575 x 410 x 70 575 x 410 x 140				



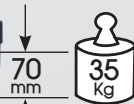
# Multi-functional 7+2 Tool Trolley



• Bluetooth speaker



- Self-raising rear panel
- Magnetic drawer closures
- Extra side compartment
- Multi-functional working top
- Laser cutting logo with LED light
- Side locking system



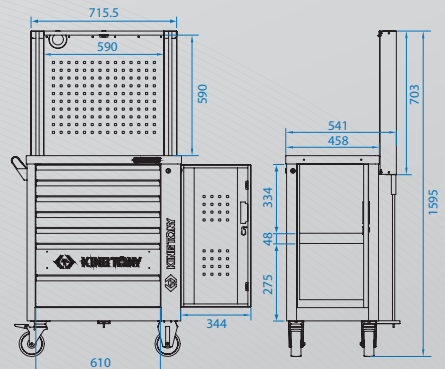
• Industrial TPR floor brakes casters



• Multi-functional working top



• Side compartment



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G34-7B-KB	Overall	752 x 538 x 807	5" x 2"	400 Kg	76.0	15.77
	Overall + 4 Casters	752 x 538 x 982				
	5 Drawers 2 Drawers	575 x 410 x 70 575 x 410 x 140				



# Heavy Duty Tool Trolley & Chest

- 4 drawers top chest + 7 drawers tool trolley
- ABS corner protection bumpers avoids damaging vehicle
- 100% pull out ball bearing drawer with auto-return system
- Heavy duty ball bearing sides, 35kgs capacity for each drawer
- Top chest lid with hydraulic bars
- With side tray and garbage bin
- Internally welded joints for durability

• Plastic bumpers side avoids damaging vehicle



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G001DQ-BK	Overall +4 Casters	790 x 470 x 1520	5" x 2"	480 Kg	124.00	27.25



KT NO.	Spec.	Dimension(mm) Width x Depth x Height		CUFT
87G11-4B-BK	Top chest	790 x 470 x 500	41.5	9.72
	4 Drawers	575 x 410 x 70		

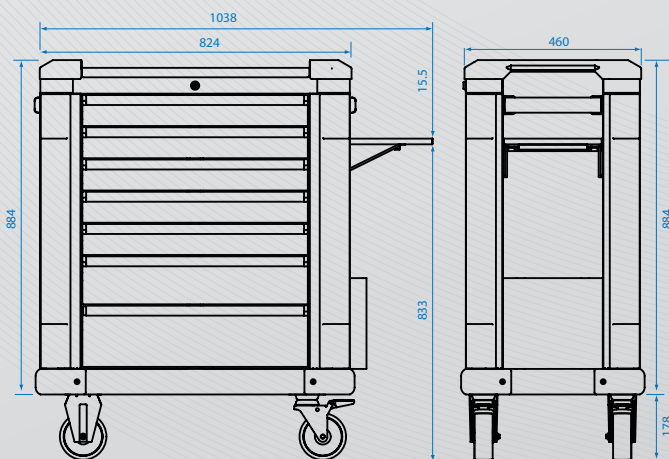


• Top platform



• Side handle bar

• Garbage bin



• Industrial TPR floor brakes casters



• Flat side panel

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87G31-7B-BK	Overall + 4 Casters	790 x 470 x 1020	5" x 2"	350 Kg	75.00	16.85
	5 Drawers	575 x 410 x 70				
	1 Drawers	575 x 410 x 110				
	1 Drawers	575 x 410 x 140				





# Tool Trolley



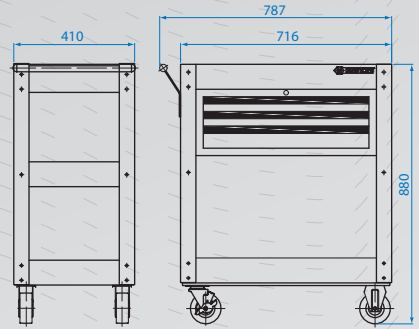
**87441-1B**

- 1 drawer trolley
- Two 3.5" deep trays are positioned for convenience



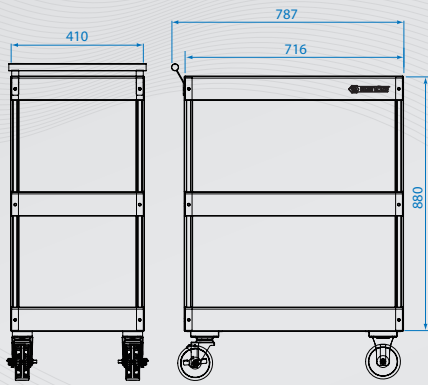
**87441-3B**


- 3 drawer trolley
- 2 PC. protective mat for top and bottom shelves
- 3 PC. protective drawer liners



## 87G41-B

- With multi-functional working top
- 4" x 1" Heavy duty casters (2 Fixed and 2 swivel with stop function)



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load		CUFT
87441-1B	overall	716 x 410 x 750				
	overall + 4" x 1-1/4" Casters	716 x 410 x 880	4" x 1-1/4"	540 Kg	23.2	2.7
	1 Drawer	569 x 275 x 75				
87441-3B	overall	716 x 410 x 750				
	overall + 4" x 1-1/4" Casters	716 x 410 x 880	4" x 1-1/4"	540 Kg	33.0	4.95
	1 Drawer	569 x 275 x 75				
87G41-B	2 Drawer	569 x 275 x 50				
	Overall	775 x 470 x 900	4" x 1"	150 Kg	23.0	3.67
	Overall + 4 Casters	775 x 470 x 1050				

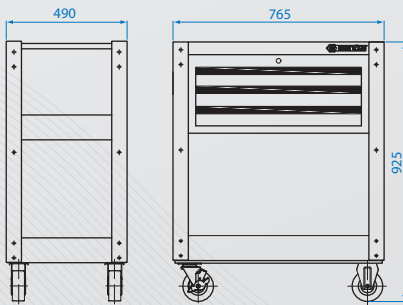
# Tool Trolley



- 3 drawer trolley
- 2 PC. protective mat for top and bottom shelves
- 3 PC. protective drawer liners



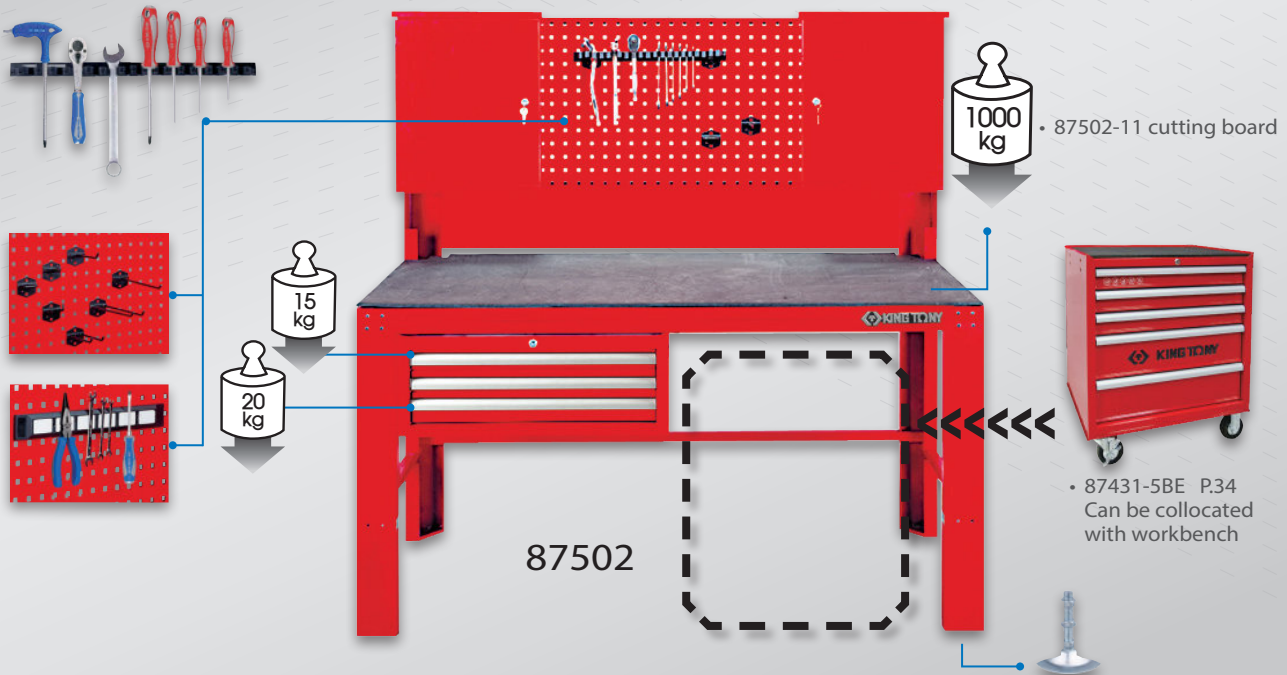
- Multiple space bar to hold other tools



KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Casters	Static load	 Kg	CUFT
87446-3B-KR	overall	765 x 490 x 760	5"x1-1/4"	600 Kg	38	13
	overall + 5"x1-1/4" Casters	765 x 490 x 925				
87446-3B-KB	3 Drawer	576 x 380 x 75				



# Workbench



## Accessory

KT NO.	Contents	
87502-01		Tool holder 500mmL
87502-02		Magnetic tool holder for workbench backpanel Size : 458 x 52 x 17mm
87502-050		U Shape hook
87502-051		1" Shape hook
87502-054		4" Shape hook
87502-058		8" Shape hook
87502-061		1" Double hook
87502-064		4" Double hook
87502-068		8" Double hook
87502-11		<ul style="list-style-type: none"> <li>▪ Cutting board</li> <li>▪ Oil-resistant, acid-resistant, moisture-resistant and anti-static</li> <li>▪ 10mm PP foaming board</li> </ul>
87502-12		<ul style="list-style-type: none"> <li>▪ 4 PC. Adjusting device</li> <li>▪ Includes adjustable bolt &amp; adjustable pad</li> </ul>

### 87502P02

▪ Drawer chest for workbench



### 87502P03

▪ 2 PC. wall cabinets



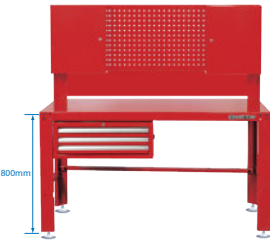



KT NO.	Spec.	Dimension(mm)		Kg	CUFT
		Width x Depth x Height			
87502P02	Overall	660 x 307 x 251		13.00	2.7
	2 Drawer	569 x 275 x 50			
	1 Drawer	569 x 275 x 75			

KT NO.	Spec.	Dimension(mm)		Kg	CUFT
		Width x Depth x Height			
87502P03	Overall	400 x 200 x 500		14.00	4.5




# Workbench

• Workbench excludes cutting board & tool holder

KT NO.		Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT	
87502		<ul style="list-style-type: none"> <li>3 drawer chest-ball bearing slide</li> <li>2 wall cabinets</li> </ul>	Overall	1525 x 700 x 1520	86.00	13.4
			3 Drawer chest	660 x 307 x 251		
			2 Drawer	569 x 275 x 50		
			1 Drawer	569 x 275 x 75		
			Wall cabinet	400 x 200 x 500		
87502P01		<ul style="list-style-type: none"> <li>Workbench with back panel</li> </ul>	Overall	1525 x 700 x 1520	59.00	6.5
87502P011		<ul style="list-style-type: none"> <li>Workbench</li> </ul>	Overall	1525 x 700 x 800	48.00	6.5
87502P012		<ul style="list-style-type: none"> <li>Back panel</li> </ul>	Overall	1525 x 20 x 700	13.50	2.7

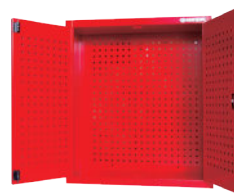
## 87512

KT NO.		Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT	
87512		<ul style="list-style-type: none"> <li>3 drawer chest ball bearing slide</li> <li>1 wall cabinet</li> </ul>	Overall	1565 x 766 x 1403	130.10	21.19
			3 Drawer chest	668 x 313 x 270		
			2 Drawer	568 x 262 x 50		
			1 Drawer	568 x 262 x 75		
			Wall cabinet	1565 x 203 x 603		

# Wall Mounted Type Tool Cabinet

## 87201

- With 20 PC. hooks
  - 5 PC. U shape hook (87502-050)
  - 10 PC. 1" single hook (87502-051)
  - 5 PC. 1" double hook (87502-061)
- Heavy duty design for storage heavy duty tool
- Powder coating finishing
- Full opened door with 2 aluminum alloy handles
- 4 holes on the back of cabinet to be fixed on the wall
- Double wall door panel design, peg hole at inside wall of door



Steel thickness: (body) 1.0 mm



87502-050



87502-051



87502-061

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87201	Overall	820 x 250 x 900	24.00	8



# Tool Chest



87411-6B



87411-9B



87419-5B  
(Extra deep)



87417-10B  
(Extra deep)

- Powder coating
- Ball bearing slide
- Central locking system
- Hemmed edge design to improve strength and safety
- Drawer quick release and detent design

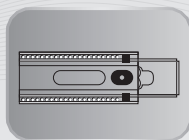
Selective colors:



(Produce with minimum quantity)



• Ball bearing slides



• Steel ball



• Lockable



• Plastic drawer divider for cabinet



• Bottom rubber mats to avoid slipping

KT NO.	Spec.	Dimension(mm)		kg	CUFT
		Width x Depth x Height			
87411-6B	Overall	660 x 307 x 374		25.40	3.97
	Top	646 x 290 x 60			
	3 Drawer	170 x 275 x 50			
	2 Drawer	569 x 275 x 50			
	1 Drawer	569 x 275 x 75			
87411-9B	Overall	660 x 307 x 427		30.20	4.3
	Top	646 x 290 x 60			
	6 Drawer	170 x 275 x 50			
	2 Drawer	569 x 275 x 50			
	1 Drawer	569 x 275 x 75			

KT NO.	Spec.	Dimension(mm)		kg	CUFT
		Width x Depth x Height			
87419-5B	Overall	660 x 455 x 483		40.00	8.58
	Top	646 x 420 x 70			
	2 Drawer	576 x 410 x 48.5			
	3 Drawer	576 x 410 x 75			
87417-10B	Overall	660 x 455 x 483		51.20	8.58
	Top	646 x 420 x 70			
	6 Drawer	169 x 410 x 48.5			
	1 Drawer	169 x 410 x 154			
	2 Drawer	576 x 410 x 48.5			
	1 Drawer	576 x 410 x 75			



87421-3B



87422-3B (Extra deep)

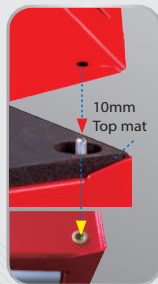
- 3 drawer chest
- Intermediate type
- Heavy gauge steel
- Drawer slides type-ball bearing
- Grooved full width drawer pulls add strength and offer to list contents of drawer
- Central locking system
- 10mm Top mat
- Powder coating finish
- 4 pins on the middle chest corners to tie in with top chest for extra security
- Overall size (mm) - 660(W) x 307(D) x 251(H) for 87421-3B
- Overall size (mm) - 660(W) x 455(D) x 254(H) for 87422-3B

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	kg	
			kg	CUFT
87421-3B	Overall	660 x 307 x 251	13.00	2.7
	2 Drawer	569 x 275 x 50		
	1 Drawer	569 x 275 x 75		
87422-3B	Overall	660 x 455 x 254	24.8	5
	2 Drawer	576 x 410 x 48.5		
	1 Drawer	576 x 410 x 75		

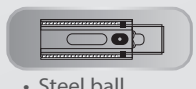
Selective colors:



(Produce with minimum quantity)



• Ball bearing slides



• Steel ball



- Heavy gauge steel plus flange reinforced design
- Close cover synchronously lock all of the drawers
- Powder coating
- Overall size (mm) - 535(W) x 220(D) x 287(H)



87401-2



87401-3



87401-3H

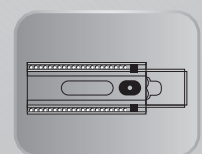
Only 87401-3H:



• Internal lock system



• Ball bearing slides



• Steel ball

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	kg	
			kg	CUFT
87401-2	2 Drawer	504 x 195 x 79	8.80	2.05
87401-3	3 Drawer	504 x 195 x 52	10.20	
87401-3H	3 Drawer	504 x 195 x 52	11.20	





# Tool Box

## 87402

- 3 section fold up type and adjustable
- Tubular handle, curved hinge
- Shaped pressing on flat surface to reinforced steel strength

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87402	5	470 x 220 x 260	5.60	1.22
87408	compartments	530 x 220 x 260	6.70	1.3

## 87A05

- 3 section fold up type and adjustable
- Tubular handle, curved hinge
- Shaped pressing on flat surface to reinforced steel strength

KT NO.	Spec.	Dimension(mm) W x D x H	Kg	CUFT
87A05	5 compartments	470 x 220 x 260	5.10	1.41
87A05-KB				
87A051		530 x 220 x 260	6.80	1.48
87A051-KB				

## 87A05-KB

## 87408



## 87A051

## 87A051-KB



## 87A08

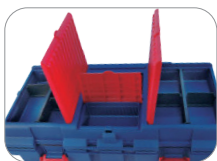
- Material : PP + Metal
- Shock-resistant reinforced polypropylene shell with metal cover
- Impact resistant and sturdy bumper at corners
- 30kgs load on top and stackable design
- V groove on top for sawing or placement
- Easy to use with grip handle for carry
- Portable tote tray take tools or small parts
- Lockable allow use padlock for security
- Metal double clasp

KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87A08	2 compartments	470 x 210 x 207	2.0	0.91



## 87404

- Material : PP
- Multi-function box, extra space for tools and parts
- Lightweight
- Durable design for tool storage



87404

## 87407



87407


KT NO.	Spec.	Dimension(mm) Width x Depth x Height	Kg	CUFT
87404	2	560 x 278 x 270	2.40	1.75
87407	compartments	445 x 240 x 206	1.74	0.79



## Parts Box

### 87137

- Parts box
- Material : PP

KT NO.	Dimension(mm) Width x Depth x Height	
87137	180 x 39 x 96	109





- PP plastic storage box for spare parts

## Fabric Tool Bag

### 87711C

- Waterproof 1200 D Nylon Oxford
- Lightweight stainless bar & comfortable EVA handle
- Velcro cover for easy access & quickly take out tools
- Adjustable ambi-bag with soft padded shoulder strap
- 39 inner pockets for multiple-tools storage
- 50% less weight than metal box

KT NO.	Dimension(mm) Width x Depth x Height		
87711C	550 x 285 x 370	3.00	1 / 1



### 87722B

- Waterproof, reinforced rubber base protects tools
- 600D Nylon Oxford
- Internal and external storage pockets
- Zip fastening and rubber comfort grip handles
- Removable padded shoulder strap for comfortable carry

KT NO.	Dimension(mm) Width x Depth x Height		
87722B	390 x 210 x 320	1.80	1 / 5



### 87721B

- Heavy duty 600 D polyester
- Wide opening at top with zipper for easy access and security
- Removable shoulder strap
- Removable compartment for greater organization
- External and internal side pockets

KT NO.	Dimension(mm) Width x Depth x Height		
87721B	360 x 200 x 250	0.95	1 / 1





# Modular Stacking Box

## Modular Stacking Box

According to the demand of tools in different working environments, we've designed toolboxes to cope with different working situations. It is more convenient for the out-of-home technician to carry the tools, also reducing the time for the technician to go back and forth between the vehicle and the construction site.

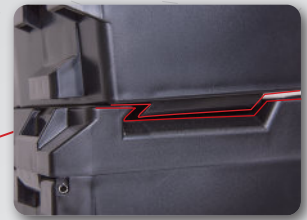
This saves the technician's time and energy, improving the technician's work efficiency and mobility



- For better clarity you can attach labels to either the front or the sides of the case to optimize your workflow



- Fixing boxes in pallet truck



- I-Locking the 90° twist system is also extremely practical since you can open it just using one hand



- With four swivel casters of which two are braked by an integrated brake





- The sturdy and ergonomic handles on the lid and in the front can be easily carried according to your requirement

- The double-layer tool pouch can adjust the space through the buckle to facilitate the user take the tools

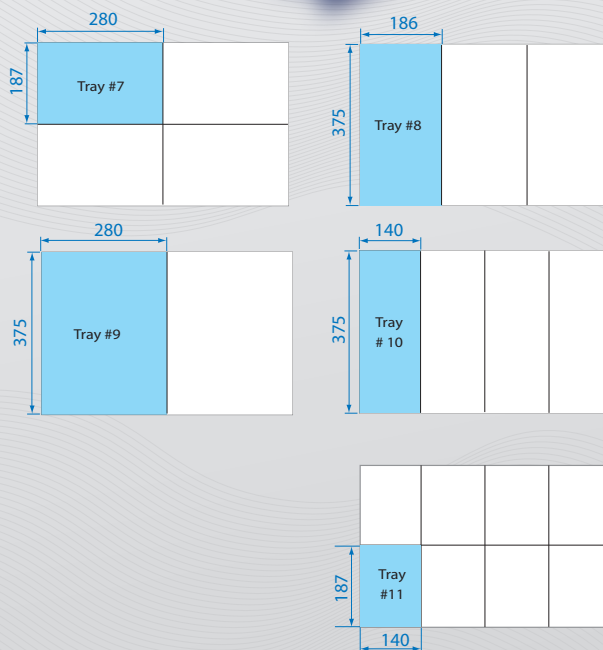




# Handy case

## Handy Case Series

The outside of handy case can afford high load capacity, and great crash-resistance. There are four different sizes with the conception of T.C.S mod. Therefore, its design is based on the user perspective, easy to carry and store, make every user enjoying their work.





# Handy Case

## 820011

- Made of shockproof PE-HD for heavy duty contents
- Ideal for tool storage & tool box system
- Easy to pile and store
- Anti-collision
- Case for Eva foam / tray



• Steel buckle provides security & strength



• Foam protection against collisions



• Hexagon overlap in 4 corners, easy to file up



• Extra space for thumb taking out

KT NO.	Size mm	EVA / Tray		
820011	422 x 372 x 92	#9	1417	1 / 4

## 82000

- Tool case made of sturdy ABS material
- Ideal for tool storage & tool box system
- Easy to pile and store
- Case for Eva foam / tray



• Plastic padding for better stable storage  
• The hinge construction makes box more durable



• 180° swivel handle easy to carry



• Easy and quick to lock



• Foam protection against collisions



• Hexagon overlap in 4 corners, easy to pile up



• Extra space for thumb taking out

KT NO.	Size mm	EVA / Tray		
820001	294 x 231 x 66	# 7	641	1 / 6
820002	389 x 184 x 66	#10	651	1 / 5
820003	389 x 229 x 66	# 8	793	1 / 4
820005	199 x 171 x 50	#11	293	1 / 8

# Multi-Storage Case

## 827011

- Heavy duty plastic blow case with foam padded internal
- High impact polystyrene with dividers make 12 spaces
- Easy to carry tools from trolley & store bolts, nuts
- Mini case (278 x 87 x 42 mm)



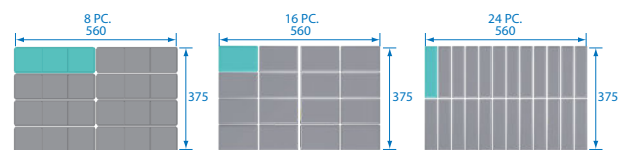
Blow case size (mm) :  
422 x 372 x 92 (0.51 Cuft)

KT NO.	Contents		
827011	84700011B x4	2.19	1 / 4

# Plastic Tray

## 847000

- For accessories, parts and consumables
- Easily combine the parts box sizes depending on the handy case
- Easy to carry and segment



KT NO.	Size		
84700011B	283 x 93 x 43	150	8 / 72
84700002B	140 x 93 x 43	75	16 / 144
84700003B	187 x 47 x 43	50	24 / 216



# Mobile Work Chair

Material: PVC leather + foam cushion + finishing powder coating steel

Two Open Storage Areas



Size : 345 x 195 x 65mm

87452A-B



87452B-B



87452C-B



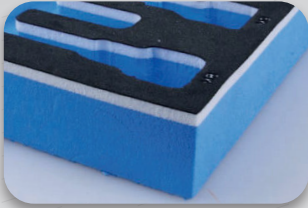
KT NO.	Dimension(mm) Width x Depth x Height				CUFT
87452A-B		7.4	1 / 1		
87452B-B	350 x 260 x 240	6.4	1 / 1		0.49
87452C-B		6.3	1 / 1		





# Tools Control & Security Storage System

How to complete your tool trolley set and tool chest set



Three-colors fabrication



waterproof

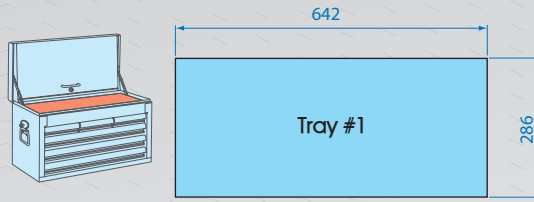


Laser marking

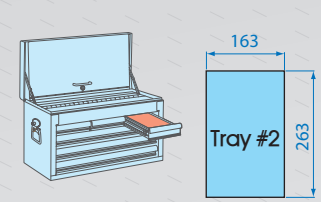


Missing tools detected

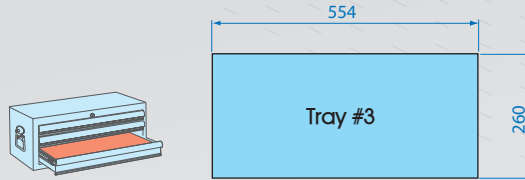
Drawer (646x290 mm)



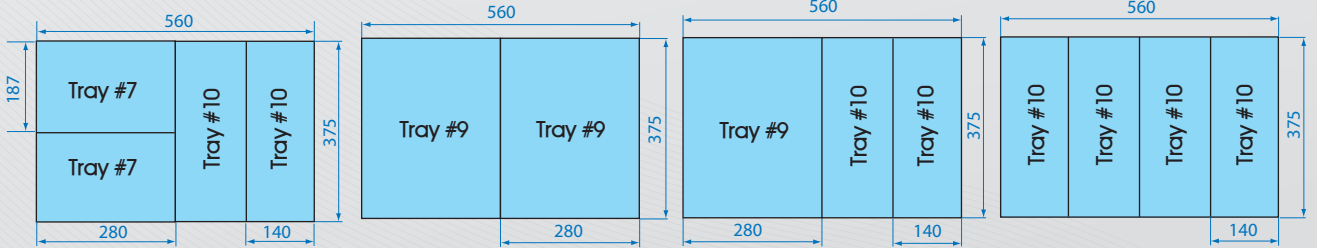
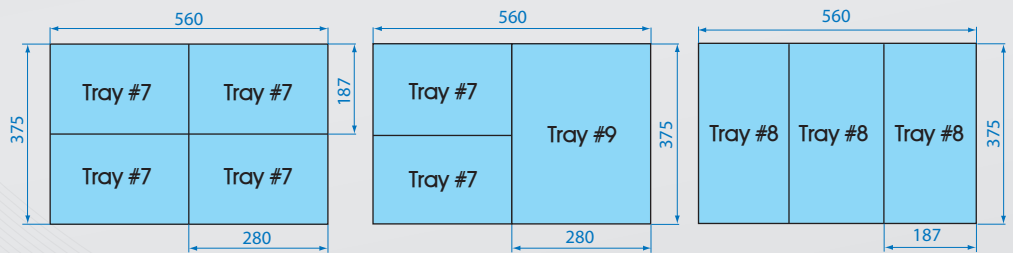
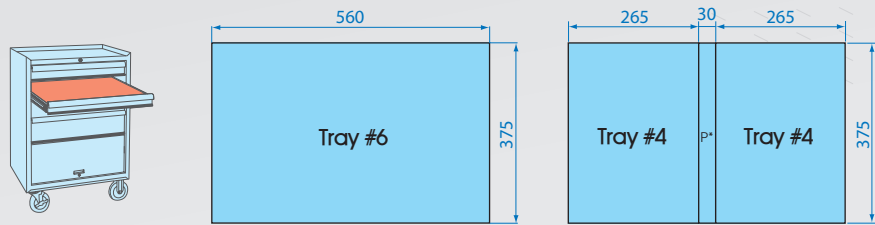
Drawer (172x275 mm)



Drawer (572x275 mm)

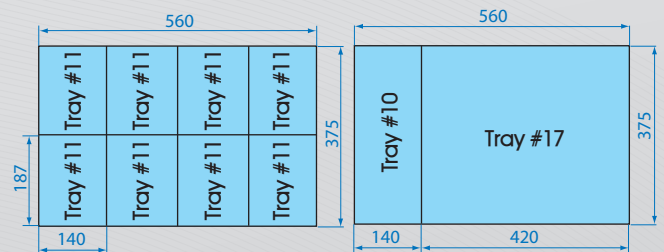
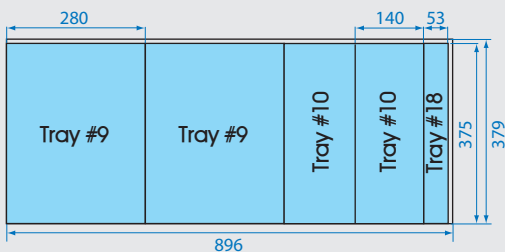
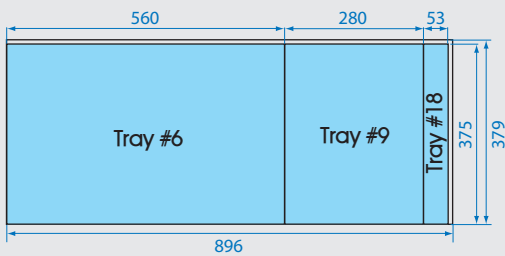


Drawer (579x380 mm)



Drawer (896 x 379 mm)

▪ for 87462-7G-KB



▪ **Security:**

Separate spaces for each tools to prevent them being left in dangerous areas

▪ **Benefit:**

Tools are quickly located and immediately returned after use to avoid loss

3 colors EVA foam offers convenient identification of use with sustained sizes and mark

▪ **Efficiency:**

A quick glance helps for missing tools

Durable material prevents being dirty for easy maintenance



# Tool Trolley Contents

235 PC.



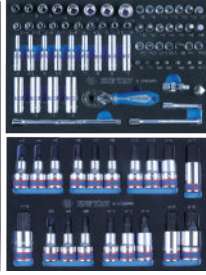
Contents No. 934-235MRVD

24.15 CUFT 2.97

- Special tool set for Automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-4537MRV #9 P.77



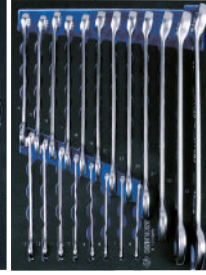
9-2565MRV #7 P.74  
9-4129PRV #7 P.74



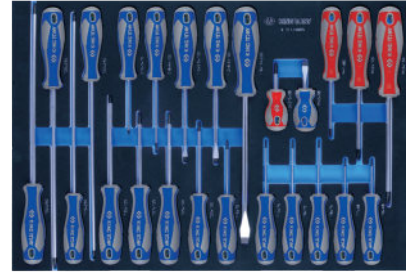
9-4147PRV #10 P.83



9-90135MRV #10 P.83



9-1220MRV #9 P.78



9-31124MRV #6 P.73



9-90119MRV #9 P.79



9-40104GPV #10 P.83



9-40113GPV #10 P.83



9-44214GPV #10 P.83



9-90118PRV #10 P.84



## Tool Trolley Set

235 PC.



88.15  
CUFT 15.21



**934-235MRV**  
(87434-7B P.33)



**934-235MRV-G**  
(87434-7B-G P.33)



**934-235MRV-B**  
(87434-7B-B P.33)



90.29  
CUFT 18.61



**9634-235MRV**  
(87634-7B P.39)



**9634-235MRV-G**  
(87634-7B-G P.39)



**9634-235MRV-B**  
(87634-7B-B P.39)



99.15  
CUFT 15.67



**9934F-235MRV**  
(87934-7BF P.41)



**9934F-235MRV-G**  
(87934-7BF-G P.41)



**9934F-235MRV-B**  
(87934-7BF-B P.41)

# Tool Trolley Contents

286  
PC.



Contents No. 934-010MRVD

28.8 CUFT 2.97

- Special tool set for automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-3544MRV #9 P.76



9-4537MRV #9 P.77



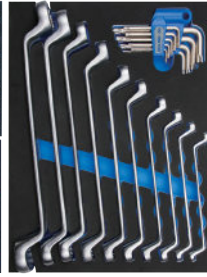
9-4147PRV #10 P.83



9-4401MPV #10 P.83



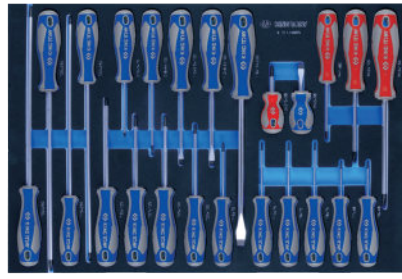
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9-4129PRV #7 P.74



9-90119MRV #9 P.79



9-1220MRV #9 P.78



9-31124MRV #6 P.73



9-40104GPV #10 P.83



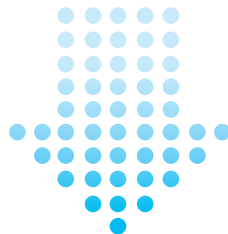
9-40113GPV #10 P.83



9-90135MRV #10 P.83



9-90118PRV #10 P.84



## Tool Trolley Set

286  
PC.



92.8  
CUFT 15.21



**934-010MRV**  
(87434-7B P.33)



**934-010MRV-G**  
(87434-7B-G P.33)



**934-010MRV-B**  
(87434-7B-B P.33)



94.94  
CUFT 18.61



**9634-010MRV**  
(87634-7B P.39)



**9634-010MRV-G**  
(87634-7B-G P.39)



**9634-010MRV-B**  
(87634-7B-B P.39)



103.8  
CUFT 15.67



**9934F-010MRV**  
(87934-7BF P.41)



**9934F-010MRV-G**  
(87934-7BF-G P.41)



**9934F-010MRV-B**  
(87934-7BF-B P.41)



# Tool Trolley Contents

325 PC.



Contents No. 934-011MRVD

33.35 CUFT 3.73



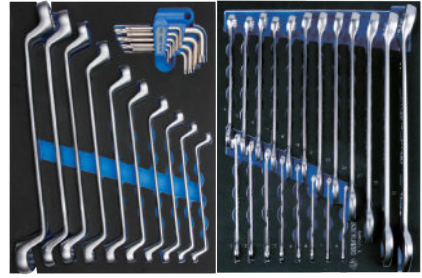
9-3544MRV #9 P.76

9-4537MRV #9 P.77



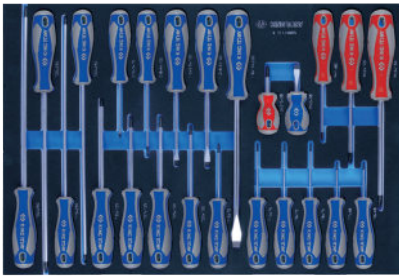
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9-4143FRV #7 P.75

9-1112MRV #9 P.79



9-90119MRV #9 P.79

9-1220MRV #9 P.78



9-31124MRV #6 P.73



9-40104GPV #10 P.83

9-40113GPV #10 P.83

9-90135MRV #10 P.83

9-90118PRV #10 P.84



9-90413TQV #6 P.73

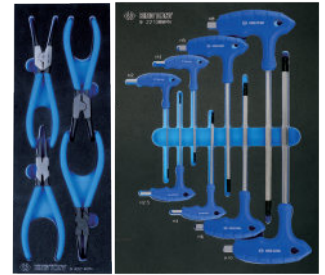


7962-04 P.456  
7963-04 P.456

9DC23 P.575

2121-18 P.583

14210212 P.360  
14226512 P.360



9-44214GPV #10 P.83

9-22108MRV #9 P.80



# Tool Trolley Set

325 PC.



97.35  
CUFT 15.97



**934-011MRV**  
(87434-7B P.33)



**934-011MRV-G**  
(87434-7B-G P.33)



**934-011MRV-B**  
(87434-7B-B P.33)



99.49  
CUFT 19.37



**9634-011MRV**  
(87634-7B P.39)



**9634-011MRV-G**  
(87634-7B-G P.39)



**9634-011MRV-B**  
(87634-7B-B P.39)



108.35  
CUFT 16.43



**9934F-011MRV**  
(87934-7BF P.41)



**9934F-011MRV-G**  
(87934-7BF-G P.41)



**9934F-011MRV-B**  
(87934-7BF-B P.41)

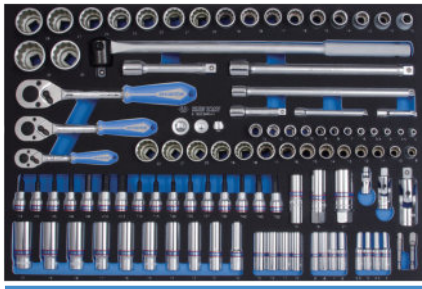
# Tool Trolley Contents

327 PC.



Contents No. 934-019MRVD

57.2 CUFT 5.44



9-9003MRV01 #6 P.70



9-6314MRV #6 P.70



9-99430MFV #6 P.70



9-30208MRV #9 P.80



9-1220MRV #9 P.78



9-42116GPV #9 P.79



9-6414MPV #9 P.78



9-40104GPV #10 P.83



9-40113GPV #10 P.83



9-4147PRV #10 P.83



9-10112MRV #7 P.75  
9-4143FRV #7 P.75



9-1044CQV #10 P.84  
9-21-20-07MRV #10 P.84



## Tool Trolley Set

327 PC.



121.20  
CUFT 17.68



**934-019MRV**  
(87434-7B P.33)



**934-019MRV-G**  
(87434-7B-G P.33)



**934-019MRV-B**  
(87434-7B-B P.33)



123.30  
CUFT 21.08



**9634-019MRV**  
(87634-7B P.39)



**9634-019MRV-G**  
(87634-7B-G P.39)



**9634-019MRV-B**  
(87634-7B-B P.39)



132.20  
CUFT 18.14



**9934F-019MRV**  
(87934-7BF P.41)



**9934F-019MRV-G**  
(87934-7BF-G P.41)



**9934F-019MRV-B**  
(87934-7BF-B P.41)



# Tool Trolley Contents

525 PC.



Contents No. 935-525CRVD

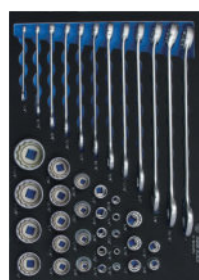
73.49 CUFT 6.51



9-9003MRV01 #6 P.70



9-6314MRV #6 P.70



9-9040SRV #9 P.77



9-4129PRV #7 P.74  
9-3612MR #7 P.121



9-4147PRV #10 P.83



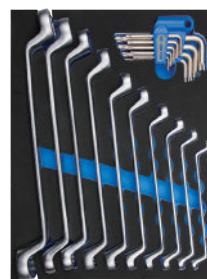
9-4401MPV #10 P.83



9-1112MRV #9 P.79



9-1220MRV #9 P.78



9-90119MRV #9 P.79



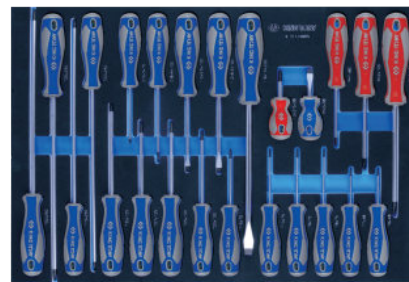
9-91190CRV #9 P.80



9-91124MRV #6 P.73



9-90217GRV #6 P.72



9-31124MRV #6 P.73



9-22108MRV #9 P.80



9-4143FRV #7 P.75  
9-30904AY #7 P.121



9-90413TQV #6 P.73



74010 P.468

74020 P.468

74060 P.468



7861-16 P.448

7811-12 P.448

7851-16 P.449



7911-12 P.469

21-20-101 P.459

6532-14 P.354



79094-08C P.460



# Tool Trolley Set

525 PC.



239.49  
CUFT 38.05

935-525CRV  
(87435-13B P.34)



# Tool Chest Set

187 PC.



911-004CRV

47.38 CUFT 6.51



9-9077CRV #1 P.67



9-42102GPV #2 P.68

9-40122GPV #2 P.68

9-40112GPV #2 P.68



9-91131MRV #3 P.69



9-91126SRV #3 P.69



9-90145CRV #3 P.69



79093-05C P.460



7811-16 P.448



87411-6B P.50

# Tool Chest Set

219 PC.



911-000CRV

48.27 CUFT 6.10



9-7069CRV #1 P.67



9-42114GPV #2 P.68

9-40102GPV #2 P.68

9-2548CRV #2 P.68



9-90129CRV #3 P.69



9-90128SR #3 P.105



9-90138CR #3 P.106



87411-6B P.50



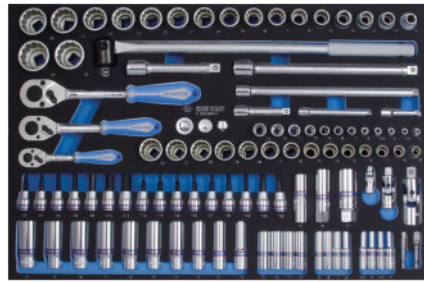
# Tool Chest Set

306 PC.

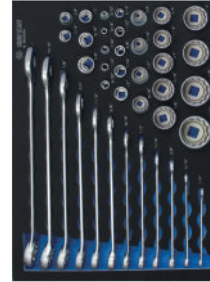


919-001CRV

KG 66.01 CUFT 11.05



9-9003MRV01 #6 P.70



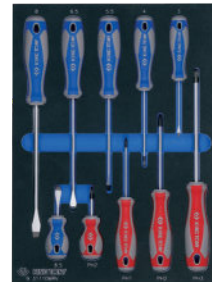
9-9040SRV #9 P.77



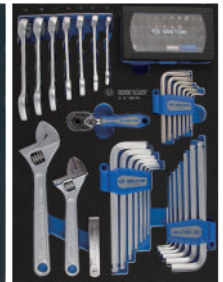
9-1220MRV #9 P.78



9-90217GRV #6 P.72



9-31110MRV #9 P.81



9-91190CRV #9 P.80



9-91124MRV #6 P.73



79094-08C P.460



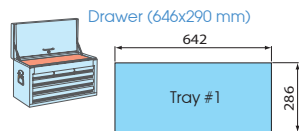
7911-12 P.469



87419-5B P.50



# Tool Set Content



**9-7069CRV** Tray category #1 (642 x 286mm)

**70**  
PC.

Contents		kg 7.5	1 / 2
3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22		
3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16		
4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1		
463516R	463521R	3792	
4791R	3779-08G	4779-10GR	
3452-08F	4452-15FR	3812	
3571-08	4572-10	4813	
3221-03	4251-05R	7911-12	
3221-06	4251-10R		



**9-9077CRV** Tray category #1 (642 x 286mm)

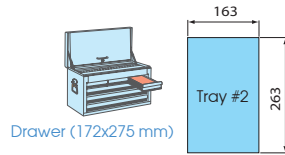
**77**  
PC.

Contents		kg 7.95	1 / 2
2330M	4, 5, 6, 7, 8, 9, 10		
2330S	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8		
3330M	10, 11, 12, 13, 14, 15, 17, 19		
3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16		
4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4		
463021R	2792	3792	4791R
2779-55G	3779-08G	3814	
4779-10GR	2221-04	3221-06	
4251-10R	3452-08F	4452-15FR	
4572-12			

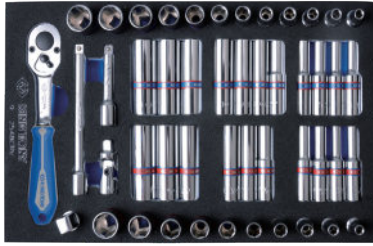




# Tool Set Content



## 9-2548CRV Tray category #2 (263 x 163mm)



48 PC.

Contents 1.28 1 / 10

	2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
	2792	
	2813	
	2779-55G	
	2221-02	
	2221-04	

## 9-40102GPV Tray category #2 (263 x 163mm)



2 PC.

Contents 1.00 1 / 10

	6011-10R		6511-10
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## 9-40112GPV Tray category #2 (263 x 163mm)



2 PC.

Contents 0.69 1 / 10

	6231-08		6311-08
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## 9-40122GPV Tray category #2 (263 x 163mm)

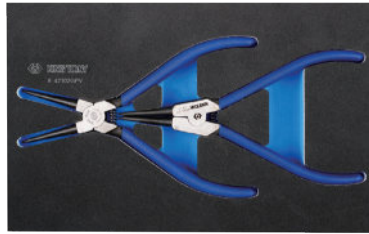


2 PC.

Contents 0.95 1 / 10

	6111-08		6011-10R
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## 9-42102GPV Tray category #2 (263 x 163mm)



2 PC.

Contents 0.32 1 / 10

	68HS-07		68SS-07
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## 9-42114GPV Tray category #2 (263 x 163mm)

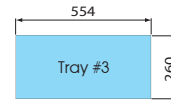
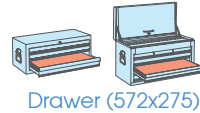


4 PC.

Contents 0.60 1 / 10

	68HS-07		68SS-07
	68HB-07		68SB-07

# Tool Set Content



## 9-91126SRV

Tray category #3 (554 x 260mm)

Contents		3.28 kg	1 / 3
5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1		
5930	5/16 x 3/8, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8		
1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8		
3611R	6, 12		



26 PC.

## 9-91131MRV

Tray category #3 (554 x 260mm)

Contents		2.98 kg	1 / 4
1930	8x10, 10x12, 11x13, 14x17		
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24		
1125MR	H1.5, H2.5, H2, H3, H4, H5, H6, H8, H10		



31 PC.

## 9-90145CRV

Tray category #3 (554 x 260mm)

Contents		4.04 kg	1 / 3
1060	27, 30, 32		
5060	1-1/16, 1-1/8, 1-1/4		
1481	PH1x75, PH2x100, PH3x150		
1482	5.5x75, 6.5x100, 8x150		
1025S	3.0, 4.0, 5.0, 6.0		
1025P	PH1, PH2 x 2, PH3		
1025Z	PZ1, PZ2 x 2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
1025H	H3, H4, H5, H6		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
7702-25	753-63	2141	



45 PC.

## 9-90129CRV

Tray category #3 (554 x 260mm)

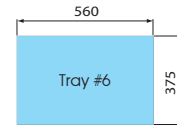
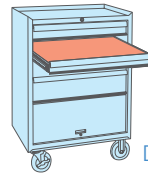
Contents		2.5 kg	1 / 4
1421	PH0 x 60, PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150		
1422	3 x 75, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8 x 175		
1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8		
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
6111-07	6231-07		
6311-06			



29 PC.



# Tool Set Content



Drawer (579 x 380 mm)



## 9-6314MRV

Tray category #6 (560 x 375mm)

Contents

9.96 kg 1/2

- 6335M 33, 34, 35, 36, 38, 41, 46, 50
- 6572-20 6779-20F
- 6251-04 6251-08 6251-16 6814



14 PC.

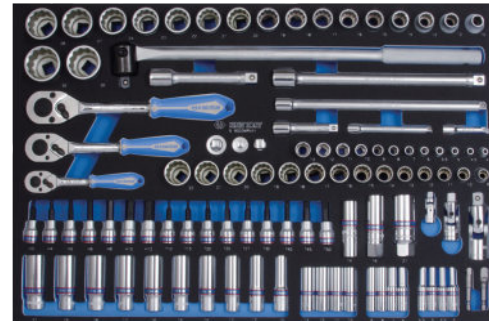
## 9-9003MRV01

Tray category #6 (560 x 375mm)

Contents

7.30 kg 1/3

- 2235M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
- 3023 T10, T15, T20, T25, T27, T30, T40, T45, T50
- 3025 H3, H4, H5, H6, H8, H10, H12
- 3235M 10, 12, 13, 14, 15, 16, 17, 18, 19, 21
- 3330M 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
- 4330MR 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 30, 32
- 7702-50 7703-50
- 2792 3792 4791R
- 363516 363521 36A014



103 PC.

Contents

- 2813 3812 4813
- 2221-02 2221-04 3221-03 3221-10 4251-05R 4251-10R
- 2771-55G 3771-08G
- 4771-10GR 4462-18F

## 9-99430MFV

## 9-99430MFV01

Tray category #6 (560 x 375mm)



30 PC.

9-99430MFV

Contents

12.38 kg 1/2

- 8435M 27, 30, 32, 33, 36
- 6575M E24, E26, E28, E30, E32
- 3375M E4, E5, E6, E7, E8, E11
- 4375M E10, E12, E14, E16, E18, E20, E22
- 4025 H14, H17, H19
- 8866P 7823-20
- 320560 9DC22



31 PC.

9-99430MFV01

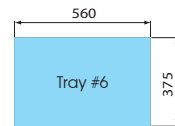
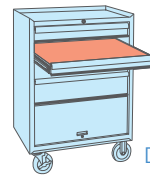
Contents

12.38 kg 1/2

- 8435M 27, 30, 32, 33, 36
- 6575M E24, E26, E28, E30, E32
- 3375M E4, E5, E6, E7, E8, E11
- 4375M E10, E12, E14, E16, E18, E20, E22
- 4025 H14, H17, H19
- 4866P 8866P 7823-20
- 320560 9DC22



# Tool Set Content



Drawer (579 x 380 mm)



## 9-44803AMPV

## 9-44803AMPV01

Tray category #6 (560 x 375mm)



9-44803AMPV



9-44803AMPV01

41 PC.

KT NO.	Contents		kg 9.50	1/2
9-44803AMPV		<ul style="list-style-type: none"> <li>4945MX 17, 19, 21</li> </ul>		
9-44803AMPV01		<ul style="list-style-type: none"> <li>4435M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24</li> </ul>		
		<ul style="list-style-type: none"> <li>4535M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32</li> </ul>	<ul style="list-style-type: none"> <li>4797P 4260-03P 4260-05P</li> <li>SY-211M x2 33411-71</li> </ul>	

## 9-44805AMPV

Tray category #6 (560 x 375mm)

Contents		kg 9.76	1/2
	4945MX 17, 19, 21		
	4435M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
	4535M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		



41 PC.

## 9-94437MRV

Tray category #6 (560 x 375mm)

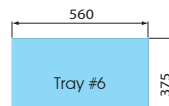
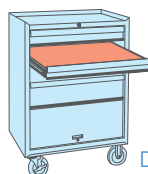
Contents		kg 4.61	1/2
	1060 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24		
	3731M 8, 10, 11, 12, 13, 14, 15		
	4435M 17, 19, 21		
	1836P PH2, PH3		
	1836S 9, 11		
	1880P PH2, PH3		
	1880S 8, 10		



37 PC.



# Tool Set Content



Drawer (579 x 380 mm)



## 9-90217GRV

Tray category #6 (560 x 375mm)

Contents

3.89 1 / 6

764	3,4,5,6		
76105-06		76717-05	
7811-16		6011-10R	
6111-08	6231-07	6311-08	
6314-05	68HB-07	68HS-07	
68SB-07	68SS-07	6511-10C	



17 PC.

## 9-91122MRV

Tray category #6 (560 x 375mm)

Contents

3.18 1 / 5

1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24		
115HM	H6, H7, H8, H9, H10, H11, H12, H13		



22 PC.

## 9-22124MRV50

Tray category #6 (560 x 375mm)

Contents

2.18 1 / 5

115HM	H7, H8, H10, H11, H12, H13		
ST20109MR		ST20419PR	



24 PC.

## 9-31920MRV

Tray category #6 (560 x 375mm)

Contents

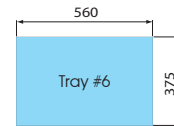
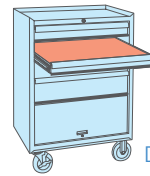
2.01 1 / 2

1421	PH0 x 60, PH2 x 38, PH2 x 300		
1422	3 x 75, 6.5 x 38, 6.5 x 300		
1427	T8H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125,		
1461	PH2 x 100, PH3 x 150		
1462	6.5 x 100, 8 x 150		
43280212		48280180	
2121-18			



20 PC.





Drawer (579 x 380 mm)



# Tool Set Content

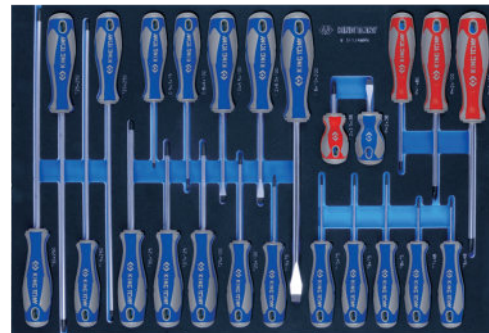
## 9-31124MRV

Tray category #6 (560 x 375mm)

Contents

2.41 kg 1 / 5

⊕		1421	PH2x38, PH1x80, PH2x100, PH3x150
⊖		1422	3x75, 4x100, 5.5x100, 6.5x100, 10x200, 6.5x38
⊛		1423	T6x48, T7x48, T8x75, T9x75, T10x75, T15x75, T15x250, T20x100, T20x250, T25x100, T25x250, T27x100, T30x125, T30x250



24 PC.

## 9-91124MRV

Tray category #6 (560 x 375mm)

Contents

4.12 kg 1 / 5

		3731	10, 12, 13, 14, 17, 18, 19
⊕		1421	PH2 x 300
⊖		1422	5 x 300
		74030	
		6615-11	
		3611-10R	
		3611-12R	
		9TK118	
		79063-12	
		11409SQ05	



24 PC.



## 9-90413TQV

Tray category #6 (560 x 375mm)

Contents

2.49 kg 1 / 5

⊖		115HM	8, 10, 13
		9CZ101	
		115345R	
		48280180	
		43280212	
		43240115Y	
		75102-08G	
		75202-08G	
		75302-08G	
		75402-08G	
		75502-08G	



13 PC.

## 9-91217MRV

Tray category #6 (560 x 375mm)

Contents

6.11 kg 1 / 2

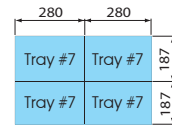
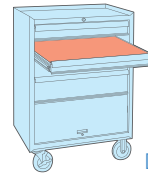
⊕		1421	PH1 x 80, PH2 x 100
⊖		1422	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175
⊛		1423	T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125
		48280180	
		9CF220	
		7823-10	
		7823-20	
		7821-30	



17 PC.



# Tool Set Content



Drawer (579 x 380 mm)



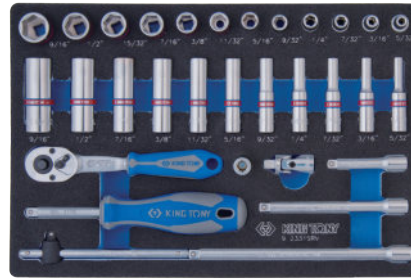
## 9-2331SRV

Tray category #7 (280 x 187mm)

Contents

0.97 kg 1 / 10

- 2335S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16
- 2235S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16
- 2771-55G 2571-45 2142
- 2221-02 2221-04 2221-06 2792 2178DF



31 PC.

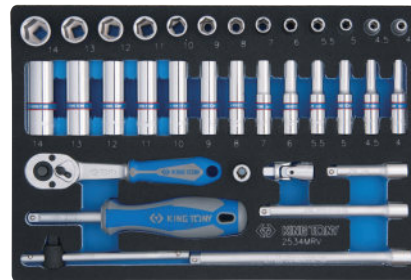
## 9-2534MRV

Tray category #7 (280 x 187mm)

Contents

1.11 kg 1 / 10

- 2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2235M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2771-55G 2571-45
- 2792 2178DF 2142
- 2221-02, 2221-04, 2221-06



34 PC.

## 9-2565MRV

Tray category #7 (280 x 187mm)

Contents

1.38 kg 1 / 10

- 2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2235M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 2375M E4, E5, E6, E7, E8
- 2013X T8, T9, T10, T15, T20, T25, T27, T30, T40
- 2015X H3, H4, H5, H6, H8
- 2018X PZ1, PZ2
- 2011X PH1, PH2
- 2012X 3.5, 5.5, 8
- 1025T T6, T7
- 1025M M4, M5, M6, M8, M10



65 PC.

Contents

- 2792 2813 276A-04G
- 2221-02, 2221-04, 2221-06

## 9-4138PRV

Tray category #7 (280 x 187mm)

Contents

1.85 kg 1 / 10

- 4033 T20, T25, T27, T30, T40, T45, T50, T55, T60
- 4035 H4, H5, H6, H7, H8, H10, H12, H14, H17



18 PC.

## 9-4129PRV

Tray category #7 (280 x 187mm)

Contents

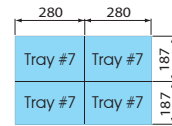
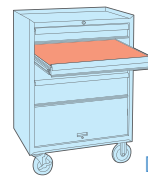
2.07 kg 1 / 10

- 4025 H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19
- 4026 M5, M6, M8, M10, M12, M14
- 402B M16, M18



19 PC.

# Tool Set Content



Drawer (579 x 380 mm)



## 9-7128PRV

Tray category #7 (280 x 187mm)

Contents

1.30 kg 1 / 10

	3023	T15, T20, T25, T27, T30, T40, T45, T50
	3025	H3, H4, H5, H6, H7, H8 H10, H12
	3375	E8, E10, E12, E14, E16, E18
	4375	E10, E12, E14, E16, E18, E20



28 PC.

## 9-4429MPV

Tray category #7 (280 x 187mm)

Contents

2.75 kg 1 / 4

	4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36
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19 PC.

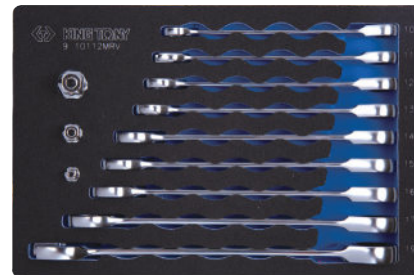
## 9-10112MRV

Tray category #7 (280 x 187mm)

Contents

1.13 kg 1 / 10

	3731	10, 11, 12, 13, 14, 15, 16, 17, 19
	373202R	
	373203R	
	373204R	



12 PC.

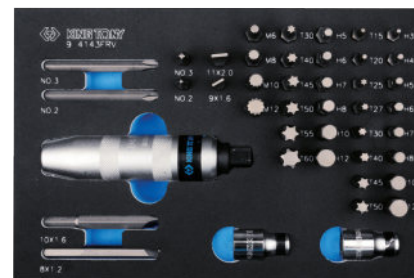
## 9-4143FRV

Tray category #7 (280 x 187mm)

Contents

1.63 kg 1 / 8

	1636H	H5, H6, H7, H8, H10, H12
	1636M	M6, M8, M10, M12
	1636T	T30, T40, T45, T50, T55, T60
	1832H	H3, H4, H5, H6, H7, H8, H10, H12
	1832T	T15, T20, T25, T27, T30, T40, T45, T50
	1836P	PH2, PH3
	1836S	9 x 1.6, 11 x 2
	1880P	PH2, PH3



43 PC.

Contents

	1880S	8 x 1.2, 10 x 1.6
	414810M, 414810S	
	4112	

## 9-30904AYV

Tray category #7 (280 x 187mm)

Contents

0.45 kg 1 / 10

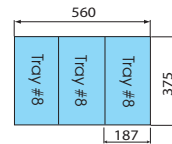
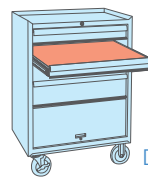
	43250115Y		43270115Y
	43260115Y		43290115Y



4 PC.



# Tool Set Content



Drawer (579 x 380 mm)



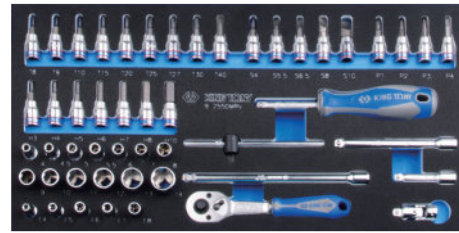
## 9-2550MRV

Tray category #8 (375 x 187mm)

Contents

1.37 kg 1 / 15

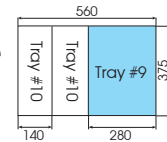
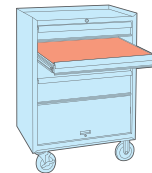
		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2375M	E4, E5, E6, E7, E8
		2031	PH1, PH2, PH3, PH4
		2032	4, 5.5, 6.5, 8, 10
		2033	T8, T9, T10, T15, T20, T25, T27, T30, T40
		2035	H3, H4, H5, H6, H7, H8, H10



50 PC.

Contents

	2771-55G		2178DF
	2792		2571-45
	2293-04		2221-02
	2293-06		



Drawer (579 x 380 mm)

## 9-3544MRV

Tray category #9 (375 x 280mm)

Contents

3.19 kg 1 / 5

		3335M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
		3375M	E7, E8, E10, E11, E12
		3230M	8, 10, 11, 12, 13, 14, 16, 17, 19
		3750M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19



44 PC.

## 9-4221MRV

Tray category #9 (375 x 280mm)

Contents

3.97 kg 1 / 5

		4230	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36
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21 PC.

## 9-4526MRV05

Tray category #9 (375 x 280mm)

Contents

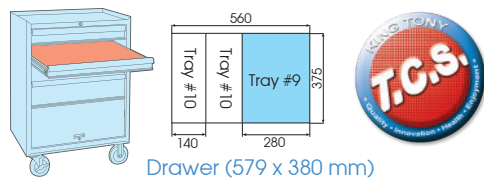
5.05 kg 1 / 4

		4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32
		4779-10FR	4572-12
		4452-15FR	4791R



24 PC.

# Tool Set Content



Drawer (579 x 380 mm)

## 9-4527MRV02

Tray category #9 (375 x 280mm)

### Contents

4.72 kg 1 / 5

		4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29, 30, 32
		4771-10GR	4791R
		4572-12	4251-05R 4251-10R
		4452-15FR	4581-10



27 PC.

## 9-4537MRV

Tray category #9 (375 x 280mm)

### Contents

4.39 kg 1 / 5

		4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32
		4375M	E10, E12, E14, E16, E18, E20, E22, E24
		4779-10GR	4293-02
		4251-05R 4251-10R	463516R 463521R
		4791R	463014RC



37 PC.

## 9-9040SRV

Tray category #9 (375 x 280mm)

### Contents

3.02 kg 1 / 5

		2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
		3330S	3/8, 7/16, 1/2, 9/16, 5/8
		4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4
		5060	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1



40 PC.

## 9-7560MRV01

Tray category #9 (375 x 280mm)

### Contents

6.24 kg 1 / 2

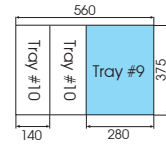
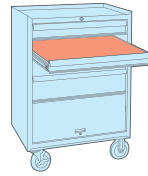
		2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		4335MR	10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32
		1025S	3, 4.5, 5, 6.5, 8
		1025P	PH0, PH1, PH2, PH3
		1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
		1025Z	PZ1, PZ2, PZ3
		276A-04G	4771-10GR
		4452-15FR	4572-12 2745
		213312DF	2792 4791R
		2223-02 2223-04	4251-05R 4251-10R 2813



60 PC.



# Tool Set Content





Drawer (579 x 380 mm)

Tray category #9 (375 x 280mm)

## 9-4419MPV

Contents

5.6 kg 1 / 2

		4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32, 33, 34, 36
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19 PC.

## 9-6414MPV

Contents

10.08 kg 1 / 2

		6435M	19, 21, 22, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 41
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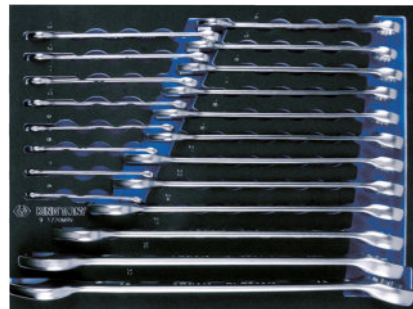
14 PC.

## 9-1220MRV

Contents

3.49 kg 1 / 4

	1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
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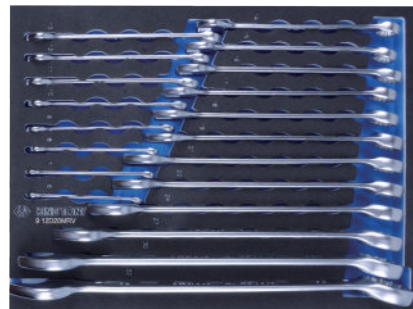
20 PC.

## 9-12D20MRV

Contents

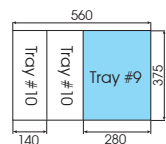
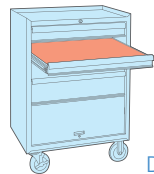
3.45 kg 1 / 4

	1062	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
---	------	--



20 PC.

# Tool Set Content



Drawer (579 x 380 mm)

## 9-12A1MRV

Tray category #9 (375 x 280mm)

Contents

1.75 kg 1 / 10

- 1061 8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24



11 PC.

## 9-1112MRV

Tray category #9 (375 x 280mm)

Contents

2.34 kg 1 / 4

- 1900 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32



12 PC.

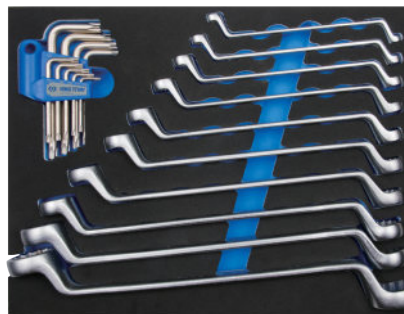
## 9-90119MRV

Tray category #9 (375 x 280mm)

Contents

3.04 kg 1 / 4

- 1970 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x27, 30x32
- 1143 T10, T15, T20, T25, T27, T30, T40, T45, T50



19 PC.

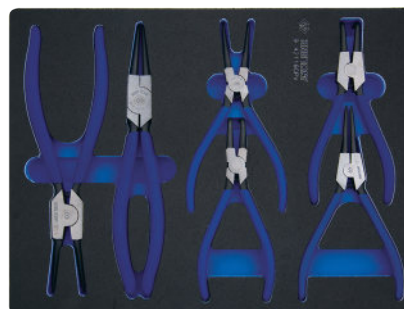
## 9-42116GPV

Tray category #9 (375 x 280mm)

Contents

1.54 kg 1 / 5

- 68SB-07 68HS-07 68SS-07
- 68HB-07 68HS-10 68SS-10

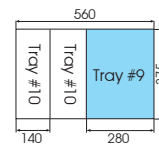
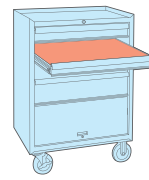


6 PC.





# Tool Set Content



Drawer (579 x 380 mm)



## 9-91190CRV

Tray category #9 (375 x 280mm)

Contents

2.22 1 / 10

	1025S	3.0, 4.0, 5.0, 6.0
	1025P	PH1, PH2 x 2, PH3
	1025Z	PZ1, PZ2 x 2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	1025R	RB2
	7702-25	753-63
	10D0	10,12,13,14,17,18,19
	1130MR	H2.5, H3, H4, H5, H6, H8, H10



90 PC.

Contents

	1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8
	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	3611-06R	77328-26
	3611-08R	
	276A-04G	

## 9-22108MRV

Tray category #9 (375 x 280mm)

Contents

0.89 1 / 5

	1160MR	H2, H2.5, H3, H4, H5, H6, H8, H10
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8 PC.

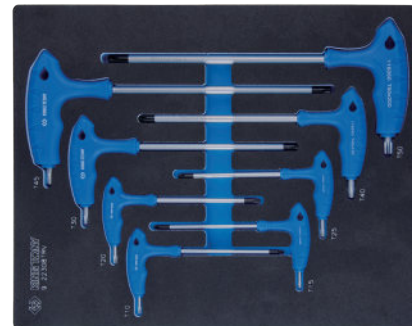
## 9-22308TRV new

Tray category #9 (375 x 280mm)

Contents

1.85 1 / 10

	1163TR	T10, T15, T20, T25, T30, T40, T45, T50
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8 PC.

## 9-30208MRV

Tray category #9 (375 x 280mm)

Contents

1.41 1 / 5

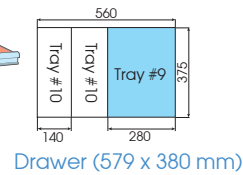
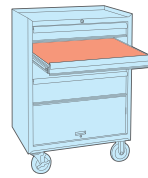
	1461	PH1 x 75, PH2 x 100, PH3 x 150
	1462	5.5 x 100, 6.5 x 100, 6.5 x 150, 8 x 150, 8 x 175



8 PC.



# Tool Set Content



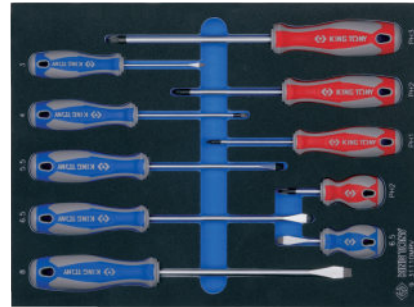
## 9-31110MRV

Tray category #9 (375 x 280mm)

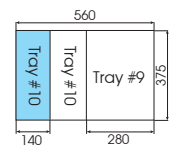
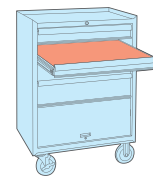
Contents

kg 2.46 1 / 5

	1421	PH1 x 80, PH2 x 100, PH3 x 150, PH2 x 38
	1422	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 150, 8 x 175



10 PC.



Drawer (579 x 380 mm)

## 9-2544SRV

## 9-2044SRV

Tray category #10 (375 x 140mm)



9-2544SRV



9-2044SRV

44 PC.

KT NO.

Contents

kg 0.92 1 / 6

9-2544SRV	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	2235S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 2178DF 3, 4.5, 5, 6.5, 8 2792 2223-02 2223-04 2142
9-2044SRV	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	2752-06G PH0, PH1, PH2, PH3 1025P H3/64, H1/16, H5/64, H3/32, H7/64, H1/8, H9/64, H5/32 5025H

## 9-2548MRV

## 9-2048MRV

Tray category #10 (375 x 140mm)



9-2548MRV



9-2048MRV

48 PC.

KT NO.

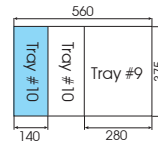
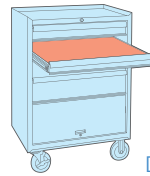
Contents

kg 1.09 1 / 6

9-2548MRV	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2235M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 2178DF 3, 4.5, 5, 6.5, 8 2792 2223-02 2223-04 2142
9-2048MRV	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2752-06G PH0, PH1, PH2, PH3 1025P H3, H4, H5, H6, H7, H8, H10 1025H



# Tool Set Content



Drawer (579 x 380 mm)



## 9-2553MRV

Tray category #10 (375 x 140mm)

### Contents

0.98 kg 1 / 6

		2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		1025H	H3, H4, H5, H6, H7, H8, H10
		1025S	3, 4.5, 5, 6.5, 8
		1025P	PH0, PH1, PH2, PH3
		1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
		1025Z	PZ1, PZ2, PZ3
		1025T	T10, T15, T20, T25, T27, T30, T40



53 PC.

### Contents

	7702-25		2792		2813
	276A-04G		213312DF		
	2223-02		2745		
	2223-04				

## 9-2553MRV01

Tray category #10 (375 x 140mm)

### Contents

0.97 kg 1 / 6

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		1025H	H3, H4, H5, H6, H7, H8, H10
		1025T	T10, T15, T20, T25, T27, T30, T40
		1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
		1025P	PH1, PH2, PH3
		1025Z	PZ1, PZ2, PZ3
		1025S	3, 4.5, 5, 6.5, 8



55 PC.

### Contents

	7702-25		276A-04G
	2571-45		213312DF
	2221-02		2745
	2221-04		2792
	2221-06		2142

## 9-3523MRV10

Tray category #10 (375 x 140mm)

### Contents

1.73 kg 1 / 6

		3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24	
		3771-08G		3792
		3571-08		3452-08F
		3293-03		
		3293-06		



23 PC.

## 9-3523MRV11

## 9-3023MRV11

Tray category #10 (375 x 140mm)

### KT NO.

### Contents

1.09 kg 1 / 6

9-3523MRV11		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3771-08G
				3293-03
				3293-06
				3453-08
9-3023MRV11		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3571-08
				3792



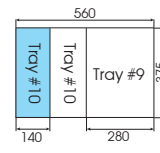
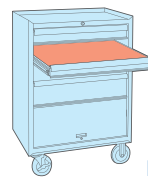
9-3523MRV11

23 PC.



9-3023MRV11

# Tool Set Content



Drawer (579 x 380 mm)



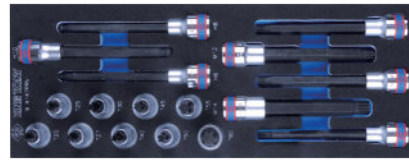
## 9-4147PRV

Tray category #10 (375 x 140mm)

Contents

1.81 kg 1 / 5

	40D0	H6, H8, H10
	4066	M8, M9, M10, M12, M14
	4023	T20, T25, T27, T30, T40 T45, T50, T55, T60



17 PC.

## 9-4401MPV

Tray category #10 (375 x 140mm)

Contents

2.23 kg 1 / 6

	4945MX	17, 19, 21
	4535M	17, 19, 32, 34, 36
	4415M	17, 19, 21



11 PC.

## 9-90135MRV

Tray category #10 (375 x 140mm)

Contents

1.81 kg 1 / 6

	1930	8x10, 10x12, 11x13, 12x14, 17x19, 19x22
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10



15 PC.

## 9-90135SRV

Tray category #10 (375 x 140mm)

Contents

1.28 kg 1 / 6

	5930	5/16 x 3/8, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8, 11/16 x 3/4, 3/4 x 7/8
	1125SR	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8



15 PC.

## 9-40104GPV

Tray category #10 (375 x 140mm)

Contents

1.08 kg 1 / 8

	6311-08		6111-06
	6231-07		6319-11C



4 PC.

## 9-40113GPV

Tray category #10 (375 x 140mm)

Contents

1.12 kg 1 / 8

	6011-10R		6516-10C		6314-05
--	----------	--	----------	--	---------



3 PC.

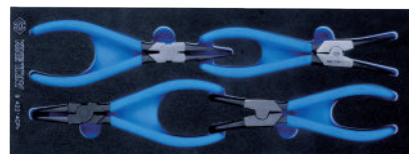
## 9-44214GPV

Tray category #10 (375 x 140mm)

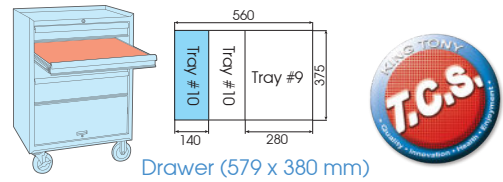
Contents

1.08 kg 1 / 8

	67HS-07		67HB-07		68SS-07		68SB-07
--	---------	--	---------	--	---------	--	---------



4 PC.

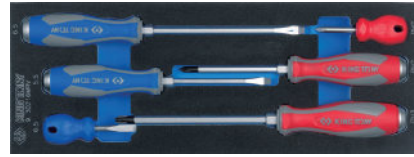


Drawer (579 x 380 mm)

# Tool Set Content

## 9-30216MRV Tray category #10 (375 x 140mm)

Contents		kg 0.71	1/6
	1461 PH2 x 100, PH3 X 150		
	1462 5.5 X 100, 6.5 X 150		
	1411 PH2 x 38		
	1412 6.5 x 38		



**6**  
PC.

## 9-1044CQV Tray category #10 (375 x 140mm)

Contents		kg 1.75	1/6
	1636H H4, H5, H6, H7, H8, H10, H12		
	1680H H4, H5, H6, H7, H8, H10, H12		
	1636M M5, M6, M8, M10, M12		
	1680M M5, M6, M8, M10, M12		
	1636T T20, T25, T27, T30, T40, T45, T50, T55, T60		



**44**  
PC.

Contents	
	1680T T20, T25, T27, T30, T40, T45, T50, T55, T60
	314810M
	414810M

## 9-90118PRV Tray category #10 (375 x 140mm)

Contents		kg 1.28	1/6
	76104-05		7821-30
	76217-06		76403-06
	76220-07		76404-06
			76405-65
			76406-07



**8**  
PC.

## 9-90305TQV 9-90305TQV01 Tray category #10 (375 x 140mm)



**5**  
PC.

9-90305TQV



**9**  
PC.

9-90305TQV01

KT NO.	Contents		kg 0.91	1/6
9-90305TQV			7971-07	
	9BM120			77141-08
9-90305TQV01			77335-25	
	11205SQ			79093-05C

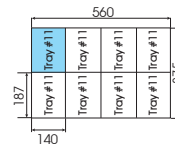
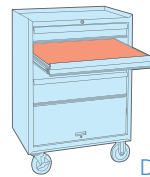
## 9-21-20-07MRV Tray category #10 (375 x 140mm)

Contents		kg 0.91	1/6	Each Q'ty
	4 x 8 mm		4 x 10 mm	20
	4 x 8 mm		4 x 10 mm	
	4.8 x 8 mm		4.8 x 10 mm	
	21-20-101			1



**121**  
PC.

# Tool Set Content



Drawer (579 x 380 mm)

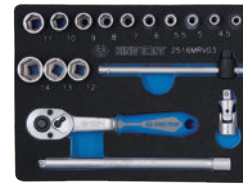


## 9-2516MRV03 Tray category #11 (187 x 140mm)

Contents

0.47 1 / 12

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2771-55G	2571-45
2221-06	2792



**17**  
PC.

## 9-2524MRV Tray category #11 (187 x 140mm)

Contents

0.63 1 / 12

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2771-55G	2571-45  2142
2221-02	2221-04
2221-06	2792  2178DF



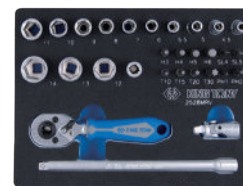
**21**  
PC.

## 9-2528MRV Tray category #11 (187 x 140mm)

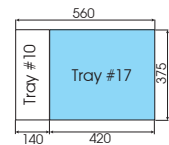
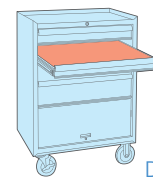
Contents

0.48 1 / 12

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
1025H	H3, H4, H5, H6
1025S	4, 5
1025T	T10, T15, T20, T30
1025P	PH1, PH2
276A-04G	2792
2221-06	2142



**29**  
PC.



Drawer (579 x 380 mm)

## 9-91113SRV Tray category #17 (375 x 420mm)

Contents

3.65 1 / 5

5970	1/4 x 5/16, 3/8 x 7/16 1/2 x 9/16, 5/8 x 11/16 3/4 x 7/8, 15/16 x 1 1-1/16 x 1-1/8, 1-1/8 x 1-1/4 1-3/16 x 1-5/16
3812	2813  3814  4813



**13**  
PC.



# Fill Your Drawer

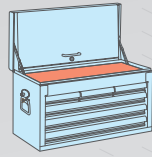
## How to complete your tool trolley set and tool chest set

The drawer of tool chest includes one top drawer and different size

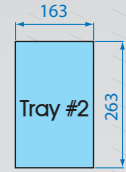
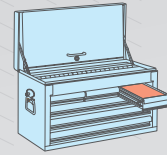


- Do not move the box / trolley unit unless you have closed the cover and locked the drawers
- Never open more than one loaded drawer at the same time
- Watch for sharp edges, we suggest to put on gloves before you lift the unit

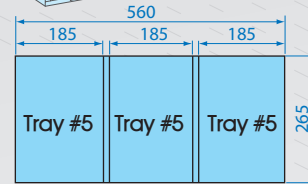
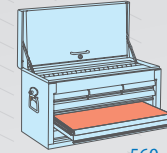
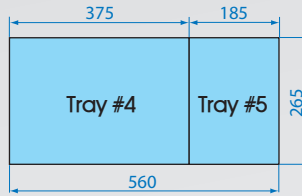
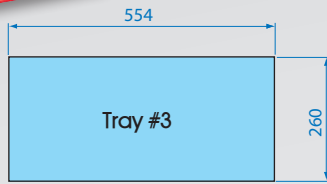
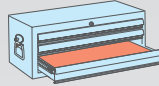
Drawer (646x290 mm)



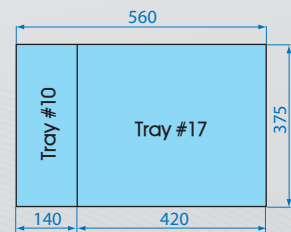
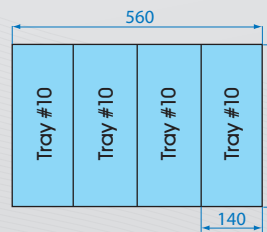
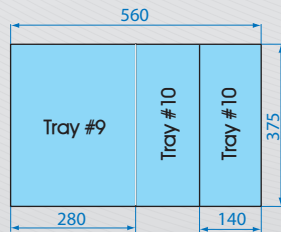
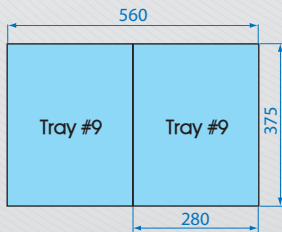
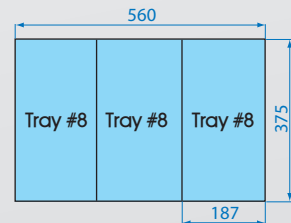
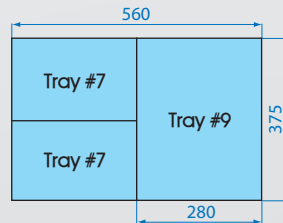
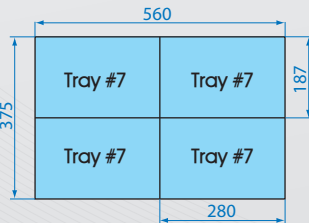
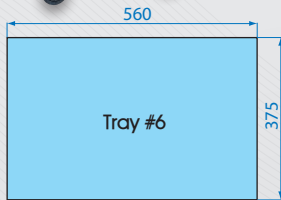
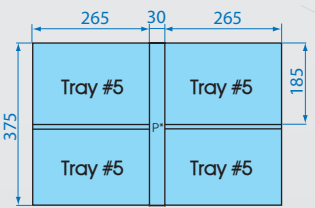
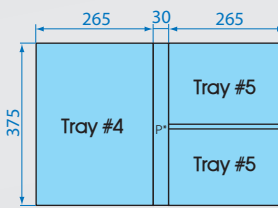
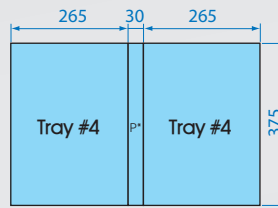
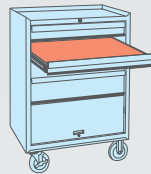
Drawer (172x275 mm)



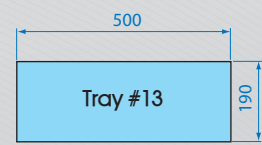
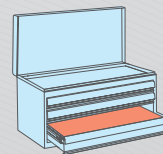
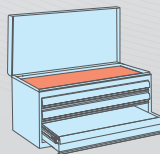
Drawer (572x275 mm)



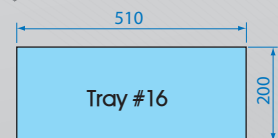
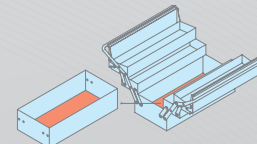
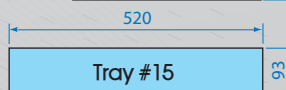
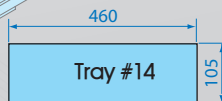
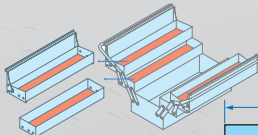
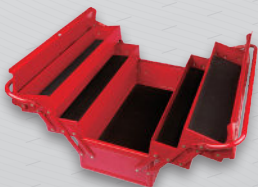
Drawer (579x380 mm)



Drawer (504 x 195 mm)



87402 Drawer (470 x 220 mm) #14  
87408 Drawer (530 x 220 mm) #15



# Tool Trolley Contents

101 PC.



Contents No. 932-009MRD

19.80 CUFT 2.41

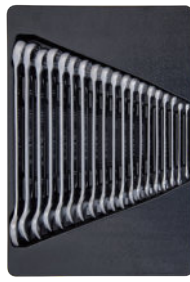


9-4333MR #4 P.108



9-4120PR #5 P.117  
9-4119PR #5 P.117

84700612B P\*



9-1219MR01 #4 P.110



9-1711MR #4 P.112

84700612B P\*



9-90106SR #4 P.115



9-40103GP #5 P.118

84700612B P\*



1110MR P.310



34423-1A P.289



# Tool Trolley Set

101 PC.



75.8  
CUFT 14.65



**932-009MR**  
(87432-5B P.33)



**932-009MR-G**  
(87432-5B-G P.33)



**932-009MR-B**  
(87432-5B-B P.33)



78.8  
CUFT 18.05



**9632-009MR**  
(87632-5B P.39)



**9632-009MR-G**  
(87632-5B-G P.39)



**9632-009MR-B**  
(87632-5B-B P.39)



85.94  
CUFT 18.05



**9634-009MR**  
(87634-7B P.39)



**9634-009MR-G**  
(87634-7B-G P.39)



**9634-009MR-B**  
(87634-7B-B P.39)



94.8  
CUFT 15.11



**9934F-009MR**  
(87934-7BF P.41)



**9934F-009MR-G**  
(87934-7BF-G P.41)



**9934F-009MR-B**  
(87934-7BF-B P.41)





# Tool Trolley Contents

144 PC.



Contents No. 932-010MRD

17.50 CUFT 1.86



9-4328MR #4 P.108  
84700612B P\*



9-5575MR #4 P.109  
84700612B P\*



9-1216MR01 #4 P.110  
84700612B P\*



9-1709MR #4 P.111  
84700612B P\*



9-90106SR #4 P.115  
84700612B P\*



9-31106MR #5 P.118  
9-40103GP #5 P.118  
84700612B P\*



34423-1A P.289



# Tool Trolley Set

144 PC.



73.5  
CUFT 14.1



**932-010MR**  
(87432-5B P.33)



**932-010MR-G**  
(87432-5B-G P.33)



**932-010MR-B**  
(87432-5B-B P.33)



76.5  
CUFT 17.5



**9632-010MR**  
(87632-5B P.39)



**9632-010MR-G**  
(87632-5B-G P.39)



**9632-010MR-B**  
(87632-5B-B P.39)



83.64  
CUFT 17.5



**9634-010MR**  
(87634-7B P.39)



**9634-010MR-G**  
(87634-7B-G P.39)



**9634-010MR-B**  
(87634-7B-B P.39)



92.5  
CUFT 14.56



**9934F-010MR**  
(87934-7BF P.41)



**9934F-010MR-G**  
(87934-7BF-G P.41)



**9934F-010MR-B**  
(87934-7BF-B P.41)



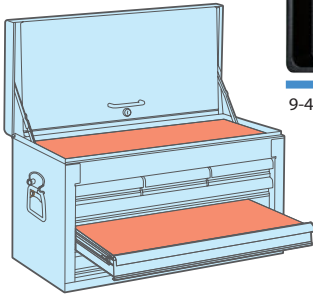
# Tool Trolley Contents

170 PC.



Contents No. 941-101MRD

24.80 CUFT 2.54



9-4026MR02 #1 P.104



9-3023MR01 #4 P.108

9-2526MR #5 P.117



9-22308PR #4 P.115



9-31106MR #5 P.118



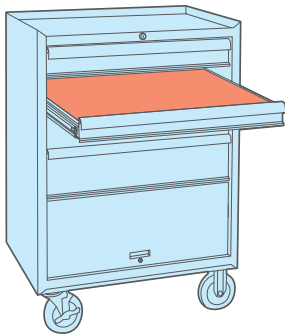
9-4120PR #5 P.117



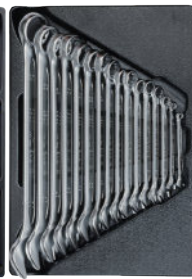
9-4119PR #5 P.117



9-1303MR #5 P.117



9-1711MR #4 P.112



9-1216MR #4 P.110

84700612B P\*



9-90103RR #4 P.115



9-20110MR #5 P.118

9-40103GP #5 P.118

84700612B P\*



9-4128FR #5 P.118



1010PR P.451



# Tool Trolley Set

170 PC.



106.2  
CUFT 18.31



**941-101MR**  
(87411-6B P.50 )  
(87432-5B P.33 )



109.2  
CUFT 22.15



**9641-101MR**  
(87411-6B P.50 )  
(87632-5B P.33 )



125.2  
CUFT 19.21



**9644-101MR**  
(87411-6B P.50 )  
(87634-7B P.33 )



# Tool Trolley Contents

173 PC.



Contents No. 932-000MRD

24.70 CUFT 2.10



9-4333MR #4 P.108  
84700612B P\*



9-7540MR #4 P.109



9-1216MR01 #4 P.110



9-1711MR #4 P.112



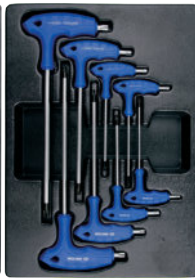
9-90131MR #4 P.110



9-31110MR #4 P.116  
84700612B P\*



9-22108MR #4 P.115  
84700612B P\*



9-22308PR #4 P.115



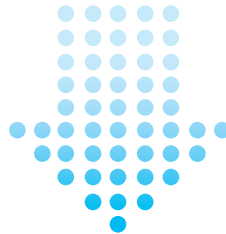
9-90103PP #4 P.115



9-40207GP #4 P.114  
84700612B P\*



1006PR #4 P.451



# Tool Trolley Set

173 PC.



80.70  
CUFT 14.34



**932-000MR**  
(87432-5B P.33)



**932-000MR-G**  
(87432-5B-G P.33)



**932-000MR-B**  
(87432-5B-B P.33)



83.7  
CUFT 17.74



**9632-000MR**  
(87632-5B P.39)



**9632-000MR-G**  
(87632-5B-G P.39)



**9632-000MR-B**  
(87632-5B-B P.39)



90.84  
CUFT 17.74



**9634-000MR**  
(87634-7B P.39)



**9634-000MR-G**  
(87634-7B-G P.39)



**9634-000MR-B**  
(87634-7B-B P.39)



99.7  
CUFT 14.8



**9934F-000MR**  
(87934-7BF P.41)



**9934F-000MR-G**  
(87934-7BF-G P.41)



**9934F-000MR-B**  
(87934-7BF-B P.41)

# Tool Trolley Contents

179 PC.



Contents No. 932-008MRD

20.52 CUFT 2.41



9-4522MR #4 P.107  
84700612B P\*



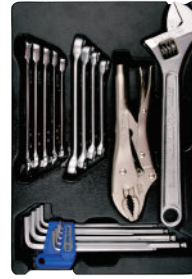
9-3523MR #4 P.108



9-1219MR01 #4 P.110



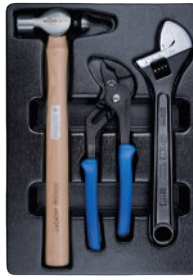
9-90315MR #4 P.112  
84700612B P\*



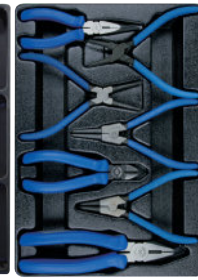
9-91120MR #4 P.113



9-31909PR #4 P.116  
84700612B P\*



9-90103PP01 #4 P.115  
84700612B P\*



9-40207GP #4 P.114



9-4120PR #5 P.117



9-31106MR #5 P.118

9-4119PR #5 P.117

9-2526MR #5 P.117  
84700612B P\*



1010PR #4 P.451



9DC23 P.575



# Tool Trolley Set

179 PC.



76.52  
CUFT 14.65



**932-008MR**  
(87432-5B P.33)



**932-008MR-G**  
(87432-5B-G P.33)



**932-008MR-B**  
(87432-5B-B P.33)



79.52  
CUFT 18.05



**9632-008MR**  
(87632-5B P.39)



**9632-008MR-G**  
(87632-5B-G P.39)



**9632-008MR-B**  
(87632-5B-B P.39)



86.66  
CUFT 18.05



**9634-008MR**  
(87634-7B P.39)



**9634-008MR-G**  
(87634-7B-G P.39)



**9634-008MR-B**  
(87634-7B-B P.39)



95.52  
CUFT 15.11



**9934F-008MR**  
(87934-7BF P.41)



**9934F-008MR-G**  
(87934-7BF-G P.41)



**9934F-008MR-B**  
(87934-7BF-B P.41)



# Tool Trolley Contents

197 PC.



Contents No. 934-001MRD

28.70 CUFT 3.70



9-90408TQ #6 P.119



9-4516MR #4 P.107



9-5575MR #4 P.109



9-1711MR #4 P.112



9-1218MR #4 P.110

84700612B P\*

84700612B P\*



9-22108MR #4 P.115



9-31909PR #4 P.116



9-90310MR #4 P.116



9-90106SR #4 P.115



9-90205GN01 #4 P.114



9-4128FR #5 P.118

84700612B P\*



7962-04 P.456



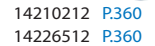
9DC23 P.575



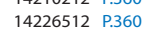
2121-18 P.583



7963-04 P.456



14210212 P.360



14226512 P.360



42114GP P.344



1108MR P.310



# Tool Trolley Set

197 PC.



92.7 CUFT 15.94



934-001MR (87434-7B P.33)



934-001MR-G (87434-7B-G P.33)



934-001MR-B (87434-7B-B P.33)



94.84 CUFT 15.94



9634-001MR (87634-7B P.39)



9634-001MR-G (87634-7B-G P.39)



9634-001MR-B (87634-7B-B P.39)



103.7 CUFT 16.4



9934F-001MR (87934-7BF P.41)



9934F-001MR-G (87934-7BF-G P.41)



9934F-001MR-B (87934-7BF-B P.41)



# Tool Chest Set

69 PC.

901-068MR 18.80 CUFT 2.05

901-069MR 18.40 CUFT 2.05



9-4338MR #11 P.124 (901-069MR use)



9-4338MR01 #11 P.124 (901-068MR use)



9-90121MR #12 P.124



9-90104GP #12 P.124



87401-3 P.51



9-31006MR #12 P.125

# Tool Chest Set

74 PC.

901-073MR 19.50 CUFT 2.05



9-4338MR03 #11 P.124



9-90126MR #12 P.124



9-90104GP #12 P.124



87401-3 P.51



9-31006MR #12 P.125



# Tool Chest Set

219 PC.

911-000CR

50.50 CUFT 6.10

911-000CR02

50.80 CUFT 6.10



9-7069CR #1 P.104 (911-000CR use)

9-7069CR01 #1 P.104 (911-000CR02 use)



87411-6B P.50



9-90129CR #3 P.106



9-90138CR #3 P.106



9-2548CR #2 P.105 (911-000CR use)



9-2548CR01 #2 P.105 (911-000CR02 use)



9-42114GP #2 P.105



9-40102GP #2 P.105



9-90128SR #3 P.105

# Tool Chest Set

107 PC.

911-002CR

40.50 CUFT 5.12



87411-6B P.50



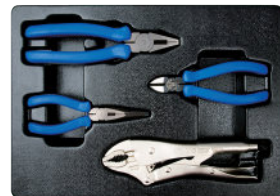
7811-16 P.448



4042CR #476 x 282mm P.190



20107SR P.395 20109MR P.395



9-42144GP #4 P.114



9-31106MR #5 P.118



9-90138CR #3 P.106

# Tool Chest Set

235  
PC.

911-003CR

 46.16 CUFT 6.10

911-003CR01

 46.16 CUFT 6.10



9-7078CR #1 P.104 (911-003CR use)



9-7078CR01 #1 P.104 (911-003CR01 use)



9-90220MR #3 P.106 (911-003CR use)



9-90220MR01 #3 P.106 (911-003CR01 use)



9-90154CR #3 P.107 (911-003CR use)



9-90154CR01 #3 P.107 (911-003CR01 use)



87411-6B P.50



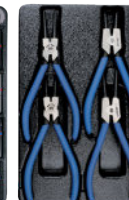
9-90329CR #3 P.106



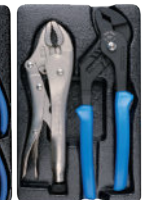
9-2548CR01 #2 P.105 (911-003CR use)



9-2548CR #2 P.105 (911-003CR01 use)



9-42114GP #2 P.105



9-40102GP #2 P.105





# Tool Box Contents

62 PC.

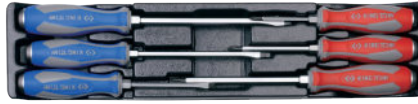


Contents No. 902-062MRD

8.80 KU KUFT 1.22



9-4116FR #14 P.126



9-30206MR #14 P.126



9-1217MR #14 P.126



9-4319MR #14 P.125



9-90120MR #14 P.126



9-40203GP #14 P.126



# Tool Box Set

62 PC.

14.4 KU KUFT 1.22



902-062MR (87402 P.52)

13.9 KU KUFT 1.22



9A05-062MR (87A05 P.52)



9A05-062MR-KB (87A05-KB P.52)

# Tool Box Contents

63 PC.



Contents No. 902-164MRD





10.20 KU KUFT 1.22



9-4116FR #14 P.126



9-4219MR #14 P.125

-  1060 P.306 8, 10, 12, 13, 14, 17, 19, 21, 22, 24
-  1120MR P.395 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
-  1421 P.360 PH1 x 80, PH2 x 38, PH3 x 150
-  1422 P.360 5.5 x 100, 6.5 x 38, 8 x 175

-  6111-07 P.337  76217-06 P.450
-  6311-06 P.338  76223-08 P.450
-  6511-10 P.340  76403-05 P.450
-  3611-08R P.326  76404-06 P.450
-  76104-05 P.449  76405-65 P.450
-  7811-16 P.448  76406-07 P.450



# Tool Box Set

63 PC.

15.8 KU KUFT 1.22



902-164MR (87402 P.52)

15.3 KU KUFT 1.22



9A05-164MR (87A05 P.52)



9A05-164MR-KB (87A05-KB P.52)



# Tool Box Contents

65 PC.



Contents No. 902-065MRD

9.10 CUFT 1.22



9-4116FR #14 P.126



9-4319MR #14 P.125



9-90115MR #14 P.126



9-1716MR #14 P.126

- ⊕ 1421 P.360 PH1 x 80, PH2 x 38, PH3 x 150
- ⊖ 1422 P.360 5.5 x 100, 6.5 x 38, 8 x 175

- 6111-07 P.337
- 6311-06 P.338
- 6511-10 P.340
- 3611-08P P.326
- 76104-05 P.449
- 76217-06 P.450
- 76223-08 P.450
- 76403-05 P.450
- 76404-06 P.450
- 76405-65 P.450
- 76406-07 P.450
- 7811-16 P.448



# Tool Box Set

65 PC.

14.7 CUFT 1.22



902-065MR (87402 P.52)

14.2 CUFT 1.22



9A05-065MR (87A05 P.52)



9A05-065MR-KB (87A05-KB P.52)

# Tool Box Contents

68 PC.



Contents No. 902-068MRD

10.30 CUFT 1.22



9-4116FR #14 P.126



9-4319MR01 #14 P.125

- 1060 P.306 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
- 1120MR P.395 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
- ⊕ 1421 P.360 PH1 x 80, PH2 x 38, PH3 x 150
- ⊖ 1422 P.360 5.5 x 100, 6.5 x 38, 8 x 175

- 6111-07 P.337
- 6311-06 P.338
- 6511-10 P.340
- 3611-12P P.326
- 76104-05 P.449
- 7911-12 P.469
- 76217-06 P.450
- 76223-08 P.450
- 76403-05 P.450
- 76404-06 P.450
- 76405-65 P.450
- 76406-07 P.450
- 7821-30 P.448



# Tool Box Set

68 PC.

15.9 CUFT 1.22



902-068MR (87402 P.52)

15.4 CUFT 1.22



9A05-068MR (87A05 P.52)



9A05-068MR-KB (87A05-KB P.52)



# Tool Box Contents

81 PC.



Contents No. 902-084MRD01

13.60 CUFT 1.22



9-4116FR03 #14 P.126



9-4219MR07 #14 P.125



1215MR P.307

- 4230M P.168 16, 17, 18, 19, 20, 21, 22, 24, 25, 26
- 1421 P.360 PH1 x 100, PH2 x 150, PH3 x 150
- 1422 P.360 6.5 x 100, 6.5 x 150, 8 x 150
- 6231-07 P.337
- 6463-08C P.339
- 6311-06 P.338
- 6516-10C P.339

- 6031-07R P.344
- 3611-08R P.326
- 3611-12R P.326
- 20218MR P.393
- 7851-16 P.449
- 7811-16 P.448
- 76104-05 P.449
- 76105-06 P.449
- 76213-04 P.450
- 76215-05 P.450
- 76220-07 P.450
- 76306-05 P.449
- 76403-05 P.450
- 76404-06 P.450



# Tool Box Set

81 PC.

19.24 CUFT 1.22



902-084MR01 (87402 P.52)

18.74 CUFT 1.22



9A05-084MR01 (87A05 P.52)



9A05-084MR01-KB (87A05-KB P.52)

# Tool Box Contents

84 PC.



Contents No. 902-084SRD

15.90 CUFT 1.22



9-4116FR03 #14 P.126



9-4219SR08 #14 P.125



1216SR P.307

- 4230S P.168 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4
- 1421 P.360 PH1 x 100, PH2 x 150, PH3 x 150
- 1422 P.360 6.5 x 100, 6.5 x 150, 8 x 150
- 6231-07 P.337
- 6463-08C P.339
- 20107SR P.395
- 6311-06 P.338
- 6516-10C P.339
- 6031-07R P.344

- 3611-08R P.326
- 3611-12R P.326
- 7811-16 P.448
- 7851-16 P.449
- 76104-05 P.449
- 76105-06 P.449
- 76213-04 P.450
- 76215-05 P.450
- 76220-07 P.450
- 76306-05 P.449
- 76403-05 P.450
- 76404-06 P.450



# Tool Box Set

84 PC.

21.55 CUFT 1.22



902-084SR (87402 P.52)

21.0 CUFT 1.22



9A05-084SR (87A05 P.52)



9A05-084SR-KB (87A05-KB P.52)

# Tool Box Contents

88 PC.



Contents No. 902-089MRD01

13.90 CUFT 1.22















9-4116FR #14 P.126



9-4319MR01 #14 P.125



1812MR P.325

- |  |  |   |  |
|--|--|---|--|
|  1060 P.306   | 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 |  1421 P.360     | PH2 x 38, PH3 x 150  |
|  1900 P.310   | 6 x 7, 8 x 10, 11 x 13, 12 x 13, 17x19, 22 x 24                    |  1422 P.360     | 3 x 75, 5 x 100  |
|  1120MR P.395 | H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10                            |  6111-07 P.337  |  3611-08R P.326 |
|  1147R P.396  | T10H, T15H, T20H, T25H, T27H, T30H, T40H                           |  6311-06 P.338  |  7911-12 P.469  |
|  |  |  6516-10C P.339 |  7821-80 P.448  |

# Tool Box Set

88 PC.



19.5 CUFT 1.22



902-089MR01 (87402 P.52)

19.0 CUFT 1.22



9A05-089MR01 (87A05 P.52)



9A05-089MR01-KB (87A05-KB P.52)

# Tool Box Contents

103 PC.



Contents No. 902-103MRD

19.20 CUFT 1.22






9-4116FR #14 P.126



9-4319MR01 #14 P.125



1812MR P.325

- |  |  |  |  |
|--|--|--|--|
|  1060 P.306   | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32 |  6111-07 P.337   |  7911-12 P.469  |
|  1120MR P.395 | H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10                                  |  6311-06 P.338   |  7821-80 P.448  |
|  1147R P.396  | T10H, T15H, T20H, T25H, T27H, T30H, T40H                                 |  6516-10C P.339  |  76220-07 P.450 |
|  1421 P.360   | PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150                                |  6231-08 P.337   |  76226-12 P.450 |
|  1422 P.360   | 3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175                   |  6431-10 P.339   |  76402-45 P.450 |
|  |  |  6011-10R P.344  |  76403-05 P.450 |
|  |  |  3611-12R P.326  |  76404-06 P.450 |
|  |  |  79093-03C P.460 |  76405-65 P.450 |
|  |  |  |  76406-07 P.450 |
|  |  |  |  76408-08 P.450 |
|  |  |  |  76412-09 P.450 |
|  |  |  |  76414-10 P.450 |

# Tool Box Set

103 PC.



24.8 CUFT 1.22



902-103MR (87402 P.52)

24.3 CUFT 1.22



9A05-103MR (87A05 P.52)



9A05-103MR-KB (87A05-KB P.52)



# Tool Box Contents

109 PC.



Contents No. 902-109MRD

19.40 CUFT 1.22



9-4116FR #14 P.126



9-4319MR01 #14 P.125



1812MR P.325



1306MR P.316

- |              |  |                 |  |
|--------------|--|-----------------|--|
| 1060 P.306   | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32 | 6111-07 P.337   | 7911-12 P.469  |
| 1120MR P.395 | H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10                                  | 6311-06 P.338   | 7811-16 P.448  |
| 1147R P.396  | T10H, T15H, T20H, T25H, T27H, T30H, T40H                                 | 6516-10C P.339  | 76220-07 P.450<br>76226-12 P.450   |
| 1421 P.360   | PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150                                | 6231-08 P.337   | 76402-45 P.450<br>76403-05 P.450<br>76404-06 P.450<br>76405-65 P.450<br>76406-07 P.450<br>76408-08 P.450<br>76412-09 P.450<br>76414-10 P.450 |
| 1422 P.360   | 3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175                   | 6431-10 P.339   |  |
|              |  | 6011-10R P.344  |  |
|              |  | 3611-12R P.326  |  |
|              |  | 79093-05C P.460 |  |

# Tool Box Set

109 PC.



24.99 CUFT 1.22



**902-109MR**  
(87402 P.52)

24.5 CUFT 1.22



**9A05-109MR**  
(87A05 P.52)



**9A05-109MR-KB**  
(87A05-KB P.52)

# Tool Box Contents

132 PC.

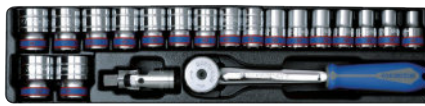


Contents No. 902-132CRD

24.50 CUFT 1.51



9-4116FR #14 P.126



9-4319MR01 #14 P.125



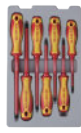
1812MR P.325



1226MR P.307



1005GQ P.470



30617MR P.412



**20208MR01**  
**20208SR01**  
P.394



11205SQ  
P.465

- |            |  |                                  |                |
|------------|--|----------------------------------|----------------|
| 1421 P.360 | PH0 x 60, PH1 x 100, PH2 x 100, PH3 x 150              | 6111-07 P.337                    | 7911-12 P.469  |
| 1422 P.360 | 3 x 75, 4 x 100, 5 x 75, 5.5 x 125, 6.5 x 150, 8 x 175 | 6311-06 P.338                    | 7811-12 P.448  |
|            |  | 6516-10C P.339                   | 76104-05 P.449 |
|            |  | 6231-07 P.337                    | 76220-07 P.450 |
|            |  | 6721-10 P.443                    | 6011-10R P.344 |
|            |  | 6711-06 P.339                    | 2121-18 P.583  |
|            |  | 3611-08P P.326<br>3611-12P P.326 | 7971-07 P.434  |
|            |  | 79093-03C P.460                  |                |
|            |  | 20419PR P.399                    |                |

# Tool Box Set

132 PC.



30.1 CUFT 2.73



**902-132CR**  
(87402 P.52)

29.1 CUFT 2.92



**9A05-132CR**  
(87A05 P.52)



**9A05-132CR-KB**  
(87A05-KB P.52)

# Tool Box Contents

77  
PC.



Contents No. 908-077CRD

19.80 KG 0.99 CUFT



9-4029CR #15 P.127



9-90111MR #15 P.127



9-4156PR #15 P.127



9-30206MR #14 P.126



9-1215MR03 #16 P.127



9-6010MR #16 P.127

# Tool Box Set

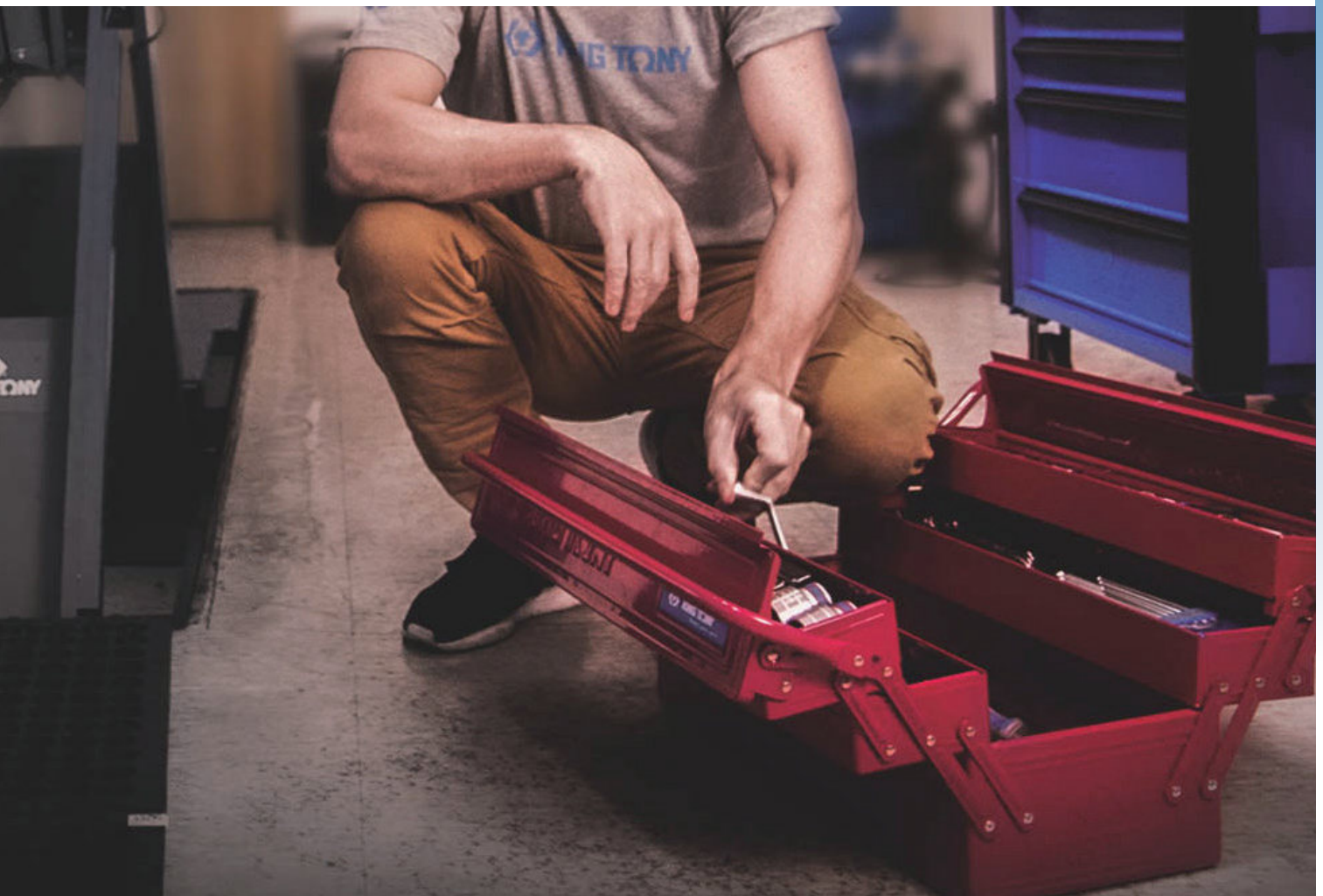
77  
PC.



26.52 KG  
2.29 CUFT



908-077CR  
(87408 P.52)





# Tool Box Contents

25 PC.



Contents No. 41026MRD

3.96 CUFT 0.78

- 

4330MR [P.167](#)
10, 11, 12, 13, 14, 15,  
16, 17, 18, 19, 20, 21,  
22, 23, 24, 27, 30, 32
- 

463021R [P.171](#)
- 
4791R [P.179](#)
- 
4452-15FR [P.178](#)
- 
4768-10F [P.175](#)
- 
4572-12 [P.179](#)
- 
4251-05R [P.178](#)
- 
4251-10R [P.178](#)



# Tool Box Set

25 PC.

5.7 CUFT 0.78



**41026MR**  
(87407 P.52)

# Tool Box Contents

25 PC.



Contents No. 41526MRD

3.96 CUFT 0.78

- 

4335MR [P.167](#)
10, 11, 12, 13, 14, 15,  
16, 17, 18, 19, 20, 21,  
22, 23, 24, 27, 30, 32
- 

463521R [P.171](#)
- 
4791R [P.179](#)
- 
4452-15FR [P.178](#)
- 
4768-10F [P.175](#)
- 
4572-12 [P.179](#)
- 
4251-05R [P.178](#)
- 
4251-10R [P.178](#)



# Tool Box Set

25 PC.

5.7 CUFT 0.78



**41526MR**  
(87407 P.52)










# Tool Box Contents

17 PC.





Contents No. 41517MRVD 2.26 KG CUFT 0.91

-   4335MR P.167 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
-  4771-10GR P.175
-  4791R P.179
-  4251-05R P.178
-  3611-08R P.326
-  6111-06 P.337



# Tool Box Set

17 PC.















 4.26  **41517MRV**  
CUFT 0.91 (87A08 P.52)

# Tool Box Contents

42 PC.





Contents No. 41542MRVD 4.65 KG CUFT 0.91

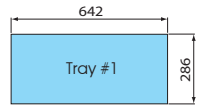
-   4335MR P.167 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
-   1421 P.360 PH0 x 60, PH1 x 80, PH2 x 100
-   1422 P.360 3 x 75, 5.5 x 100, 6.5 x 150
-   1130MR P.395 H2.5, H3, H4, H5, H6, H8, H10
-  1062 P.304 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 22, 24
-  4251-05R P.178
-  3611-08R P.326
-  6111-06 P.337
-  4771-10GR P.175
-  4791R P.179



# Tool Box Set

42 PC.

 6.65  **41542MRV**  
CUFT 0.91 (87A08 P.52)



# Tool Set Content

## 9-4526MR

## 9-4026MR02 Tray category #1 (642 x 286mm)



9-4526MR



9-4026MR02

24 PC.

KT NO.	Contents		kg 4.6	1 / 5
9-4526MR	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463521R	4768-10F
9-4026MR02	4330MR		463021R	4768-10P
			4572-12	4251-05R 4251-10R
			4452-15FR	

## 9-7069CR

## 9-7069CR01 Tray category #1 (642 x 286mm)



9-7069CR



9-7069CR01

70 PC.



KT NO.	Contents		kg 8.8	1 / 2
9-7069CR	3779-08G	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	463521R	463516R
	4779-10GR	3330S 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	3452-08F	4452-15FR
9-7069CR01	3769-08P	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4572-10	3221-03 3221-06
	4768-10P	4330SR 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	3792	4791R
			3812	4813
				7911-12

## 9-7078CR

## 9-7078CR01 Tray category #1 (642 x 286mm)



9-7078CR



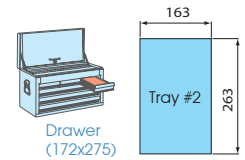
9-7078CR01

78 PC.

KT NO.	Contents		kg 8.67	1 / 2
9-7078CR	3769-08P	3330M 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3235M 10, 12, 13, 14, 15, 16, 17, 18, 19, 22	363516
	4768-10P	3330S 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	4462-18F	3221-03 3221-10
9-7078CR01	3779-08G	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 30, 32	3792	4791R
	4779-10GR	4330SR 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4	3812	4813



# Tool Set Content



## 9-2548CR

## 9-2548CR01 Tray category #2 (263 x 163mm)



9-2548CR



9-2548CR01

48 PC.

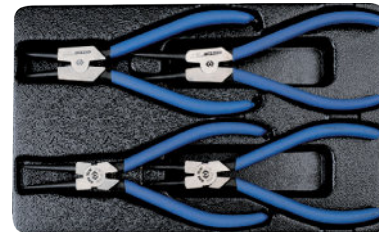
KT NO.	Contents		kg 1.28	1 / 10
9-2548CR	2779-55G	2235M 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2235S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2335S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	
9-2548CR01	2769-55P	2792 2813 2221-02 2221-04		

## 9-40102GP

## 9-42114GP Tray category #2 (263 x 163mm)



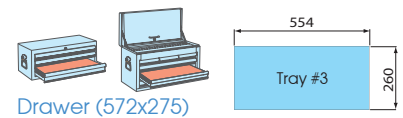
2 PC.



4 PC.

Contents	kg 1.0	1 / 10
6011-10R		
6511-10		

Contents	kg 0.6	1 / 10
68HS-07		
68SS-07		
68HB-07		
68SB-07		



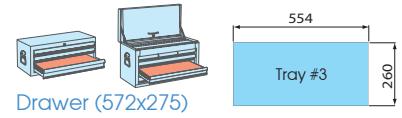
## 9-90128SR

## Tray category #3 (554 x 260mm)

Contents	kg 4.8	1 / 4
5060		
5970		
76105-06	7811-16	
76215-05	76404-06	
76217-06	76406-07	
76220-07	76408-08	
76224-10		



28 PC.



# Tool Set Content

**9-90138CR** Tray category #3 (554 x 260mm)

Contents		4.8 kg	1 / 4
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21		
1900	8 x 9, 10 x 11, 12 x 13, 14 x 15, 18 x 19		
1970	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19		
1930	10 x 11, 12 x 14, 14 x 17		
5900	1/4 x 5/16, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 11/16 x 3/4, 13/16 x 7/8		
3611P	8, 12		



**38 PC.**

**9-90329CR** Tray category #3 (554 x 260mm)

Contents		3.37 kg	1 / 4
1060	6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21		
5060	7/16, 1/2, 9/16, 5/8, 11/16, 3/4		
10D0	10, 12, 13, 14, 17, 18, 19		
3611R	6, 8		



**29 PC.**

**9-90129CR** Tray category #3 (554 x 260mm)

Contents		2.5 kg	1 / 4
1421	PH0 x 60, PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150		
1422	3 x 75, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8 x 175		
1130SR	3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8		
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
6111-07	6231-07		
6311-06			



**29 PC.**

**9-90220MR**



9-90220MR

**9-90220MR01** Tray category #3 (554 x 260mm)



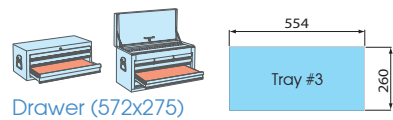
9-90220MR01

**20 PC.**

KT NO.	Contents		2.51 kg	1 / 4
9-90220MR	14280204 14240204	H3, H4, H5, H6, H8, H10, H12 T30, T40	1421 1422	PH1x80, PH2x100 4x100, 5.5x125, 6.5x150, 8x175
9-90220MR01	14232004 14232504	6111-08 6231-08 6311-08		



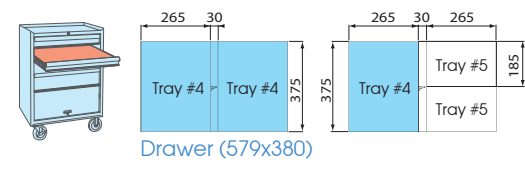
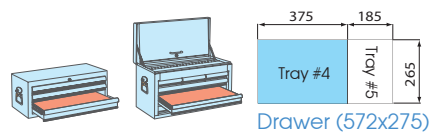
# Tool Set Content



## 9-90154CR

## 9-90154CR01 Tray category #3 (554 x 260mm)

KT NO.	PC.	Contents	kg 2.86	1 / 4
9-90154CR	54	1032CQ01	<ul style="list-style-type: none"> <li>1130MR H2.5, H3, H4, H5, H6, H8, H10</li> <li>1130SR 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8</li> <li>7811-16</li> <li>74030</li> <li>76717-05</li> <li>761 Ø 4 x 120</li> <li>764 Ø 3 x 125, Ø 4 x 150, Ø 5 x 165</li> </ul>	
9-90154CR01	53	1032CQ		



## 9-4516MR Tray category #4 (375 x 265mm)

Contents	kg 3.12	1 / 10
4335MR 8, 10, 11, 12, 13, 14, 17, 19, 21, 23, 24		
4791R 4768-10F 4452-15FR		
4251-05R 4251-10R		



16 PC.

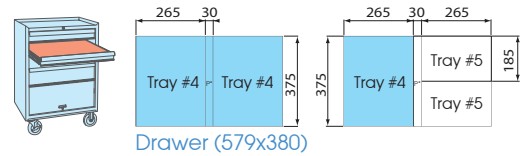
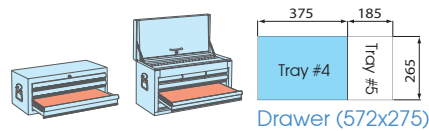
## 9-4522MR Tray category #4 (375 x 265mm)

Contents	kg 2.96	1 / 10
4335MR 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24		
463521R 463516R 4791R		
4768-10F 4251-03R, 4251-05R, 4251-10R		



22 PC.





# Tool Set Content

**9-5575MR** Tray category #4 (375 x 265mm)

Contents		4.15	1 / 6
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
	2335S	1/4, 3/8, 1/2	
	3235M	8, 10, 12, 14, 17	
	3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	
	2375M	E4, E5, E6, E7, E8	
	3375M	E10, E12, E14, E16, E18	
	2037	T10H, T15H, T20H, T25H, T27H, T30H	
	2033	T20, T25, T30, T40	
	3027	T40H, T45H, T50H	



**75 PC.**

Contents		
	366516	
	366521	
	3221-16	
	2769-55F	
	3769-08F	
	3781-11F	
	2221-02	
	2221-04	
	3221-03	
	3221-06	
	2571-45	
	2452-05F	
	3452-08F	
	3571-08	
	2792	
	3792	

**9-7537MR** Tray category #4 (375 x 265mm)

Contents		2.28	1 / 5
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
	4023	T20, T25, T27, T30, T40, T45, T50, T55, T60	
	4025	H3, H4, H5, H6, H7, H8, H10, H12, H14	
	2779-55G		
	2571-45		
	2792		
	2452-05F		
	2221-02		
	2221-04		
	2141		



**37 PC.**

**9-7540MR** Tray category #4 (375 x 265mm)

Contents		3.50	1 / 5
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
	2375M	E4, E5, E6, E7, E8	
	4375M	E10, E12, E14, E16, E18, E20	
	4435M	10, 11, 12, 13, 14, 17, 19, 21, 22, 24	
	2792		
	2755-55G		
	2571-45		
	2221-02		
	2221-04		
	2177DF		
	2452-05F		



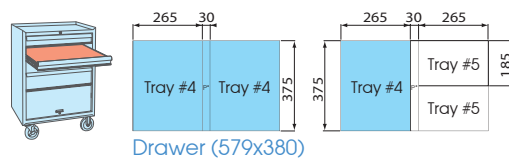
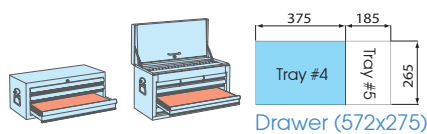
**40 PC.**

**9-93523MR** Tray category #4 (375 x 265mm)

Contents		2.63	1 / 6
	3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	
	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	
	3792		
	3769-08F		
	3452-08F		
	3571-08		
	3221-03		
	3221-06		



**31 PC.**



# Tool Set Content

## 9-90131MR Tray category #4 (375 x 265mm)

Contents		3.1 kg	1 / 10
4033	T20, T25, T27, T30, T40, T45, T50, T55, T60		
4035	H4, H5, H6, H7, H8, H10, H12, H14, H17		
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
1930	10 x 11, 12 x 14, 14 x 17		
3204	(Ø 60 ~ 140)		



**31**  
PC.

## 9-1205MR Tray category #4 (375 x 265mm)

Contents		2.70 kg	1 / 6
1060	27, 28, 29, 30, 32		



**5**  
PC.

## 9-1216MR 9-1216MR01 9-1216MR03 Tray category #4 (375 x 265mm)

KT NO.	Contents	3.20 kg	1 / 6
9-1216MR	1060	6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 24, 26, 27, 29, 32	
9-1216MR01	1060	6, 8, 10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	
9-1216MR03	1060	8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32	



**16**  
PC.

## 9-1219MR01 Tray category #4 (375 x 265mm)

Contents		2.25 kg	1 / 6
1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24		



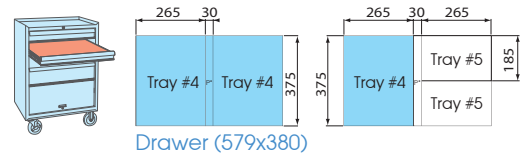
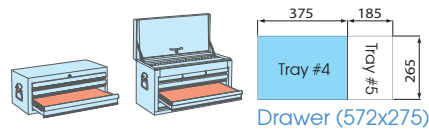
**19**  
PC.

## 9-1218MR Tray category #4 (375 x 265mm)

Contents		2.12 kg	1 / 6
1060	6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
1930	8 x 10, 9 x 11		




**18**  
PC.



# Tool Set Content

**9-1282MR** Tray category #4 (375 x 265mm)

Contents		1.05 kg	1 / 10
	10D0 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		



12 PC.


**9-1272MR** Tray category #4 (375 x 265mm)

Contents		1.45 kg	1 / 5
	1067 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22		



12 PC.


**9-1608MR** Tray category #4 (375 x 265mm)

Contents		1.5 kg	1 / 6
	1960 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22		



8 PC.


**9-1609MR** Tray category #4 (375 x 265mm)

Contents		1.93 kg	1 / 6
	1960 8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26		



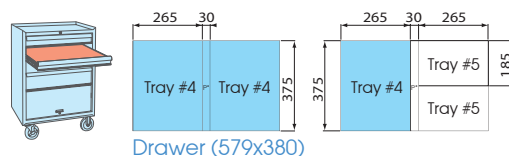
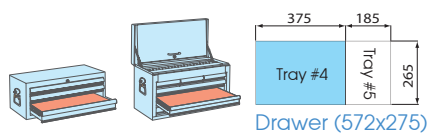
9 PC.

**9-1709MR** Tray category #4 (375 x 265mm)

Contents		2.38 kg	1 / 6
	1970 8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26		




9 PC.



# Tool Set Content




## 9-1711MR Tray category #4 (375 x 265mm)

Contents		2.80 kg	1 / 6
	1970	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 30 x 32	



**11**  
PC.



## 9-90315MR Tray category #4 (375 x 265mm)

Contents		2.6 kg	1 / 6
	1900	8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23, 22 x 24	
	1970	8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23, 22 x 24	
	79093-05C		

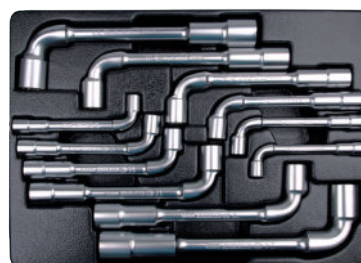


**15**  
PC.

## 9-1812MR

KT NO.	Contents	3.69 kg	1 / 6
9-1812MR	 1080	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	
9-1912MR	 1081		

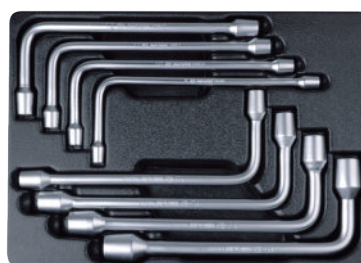
## 9-1912MR Tray category #4 (375 x 265mm)



**12**  
PC.


## 9-1838MR Tray category #4 (375 x 265mm)

Contents		2.57 kg	1 / 6
	1084	8, 10, 11, 12, 13, 15, 17, 19	



**8**  
PC.

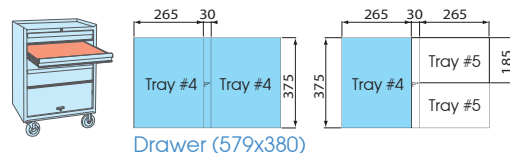
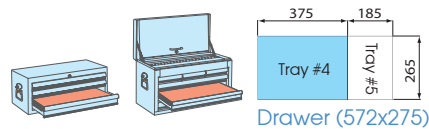
## 9-1905MR Tray category #4 (375 x 265mm)

Contents		0.82 kg	1 / 10
	1950	10 x 12, 11 x 13, 14 x 17, 16 x 18, 19 x 22	



**5**  
PC.





# Tool Set Content

## 9-1C08MR Tray category #4 (375 x 265mm)

Contents		0.91	1 / 10
19C0	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22		



**8**  
PC.

## 9-10115MR Tray category #4 (375 x 265mm)

KT NO.	Contents	1.9	1 / 10
9-10115MR	3731M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	373202R
9-10215MR	3732M		373203R
			373204R



**15**  
PC.

## 9-12120MR Tray category #4 (375 x 265mm)

Contents		1.27	1 / 6
3731M	8, 10, 12, 13, 14, 15, 17, 19		
373204R	373203R		



**10**  
PC.

## 9-90109MN Tray category #4 (375 x 265mm)

Contents		2.28	1 / 6
1970	8 x 10, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19		
6011-10N	3611-12R		



**8**  
PC.

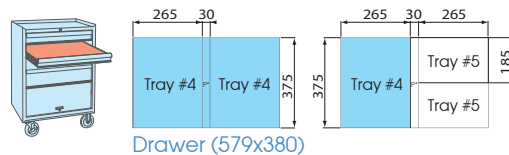
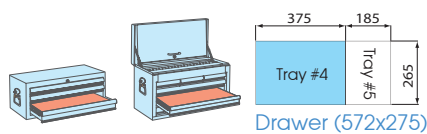
## 9-91120MR Tray category #4 (375 x 265mm)

Contents		2.40	1 / 6
1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
1930	8 x 10, 10 x 12, 11 x 13, 14 x 17		
3731M	8, 10, 12, 13, 14		
6011-10N	3611-12R		



**20**  
PC.

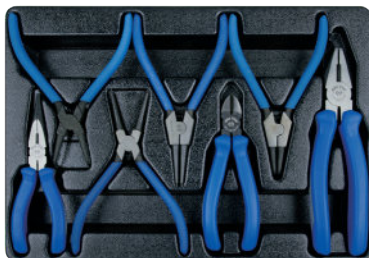




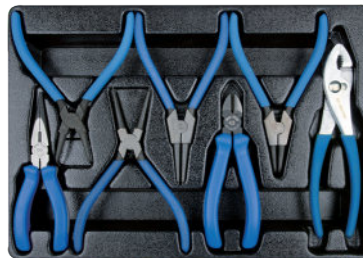
# Tool Set Content

## 9-40207GP

## 9-40207GP01 Tray category #4 (375 x 265mm)



9-40207GP



9-40207GP01

**7**  
PC.

KT NO.	Contents	kg	1/6
9-40207GP	6111-08              6211-06              6311-06              68HS-07              68HB-07              68SS-07              68SB-07	1.5	1 / 10
9-40207GP01	6463-08C              6211-06              6311-06              67HS-07              67HB-07              67SS-07              67SB-07		1 / 6

## 9-40604GP Tray category #4 (375 x 265mm)

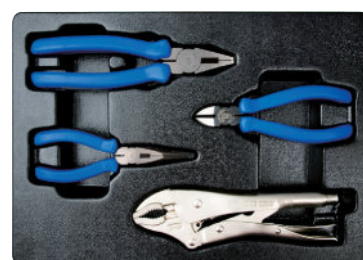
Contents	kg	1/6
6116-07A              6216-06A 6318-08A              6516-10A	1.98	1 / 6



**4**  
PC.

## 9-42144GP Tray category #4 (375 x 265mm)

Contents	kg	1/8
6011-10N              6111-08 6211-06              6311-06	1.63	1 / 8



**4**  
PC.

## 9-90205GN

## 9-90205GN01 Tray category #4 (375 x 265mm)



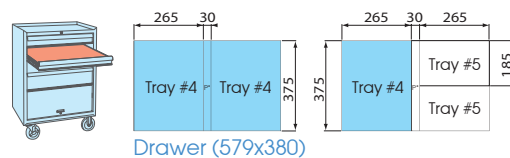
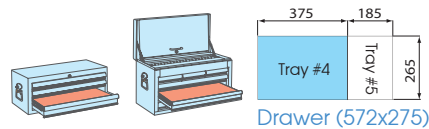
9-90205GN



9-90205GN01

**5**  
PC.

Contents	kg	1/6
9-90205GN              6313-06              6011-10N              6111-07              6463-08C              74410	1.98	1 / 6
9-90205GN01              6311-06		



# Tool Set Content

**9-90103PP**    **9-90103PP01**    **9-90103PP02**    Tray category #4 (375 x 265mm)



9-90103PP



9-90103PP01



9-90103PP02

**3 PC.**

KT NO.	Contents	kg	1/5
9-90103PP			
9-90103PP01	3611-12P     6511-10	2.30	1 / 5
9-90103PP02		2.51	1 / 10

**9-90103RR**    Tray category #4 (375 x 265mm)

Contents    2.3   



**3 PC.**

**9-90106SR**    Tray category #4 (375 x 265mm)

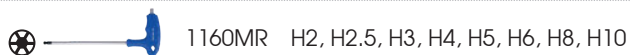
Contents    2.05   



**6 PC.**

**9-22108MR**    Tray category #4 (375 x 265mm)

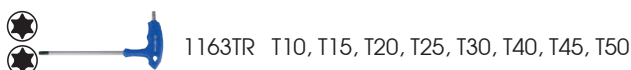
Contents    1.10   



**8 PC.**

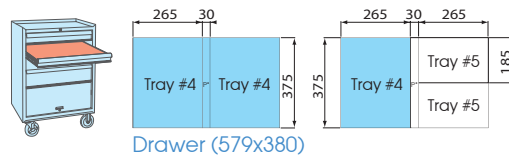
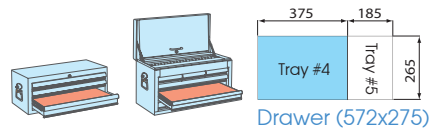
**9-22308TR** new    Tray category #4 (375 x 265mm)

Contents    1.10   



**8 PC.**





# Tool Set Content

## 9-30110CR Tray category #4 (375 x 265mm)

Contents		1.4 kg	1 / 6 boxes
	1450 6, 7, 8, 9, 10, 11, 12, 13		
	5450 1/4, 5/16		



**10**  
PC.

## 9-31110MR Tray category #4 (375 x 265mm)

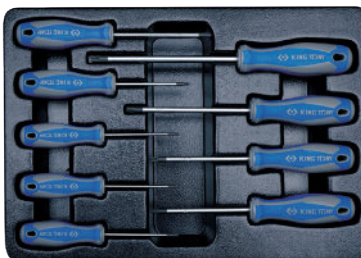
Contents		1.0 kg	1 / 10 boxes
	1421 PH1 x 80, PH2 x 38, PH2 x 100, PH3 x 150		
	1422 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 150, 8 x 175		



**10**  
PC.

## 9-31909PR Tray category #4 (375 x 265mm)

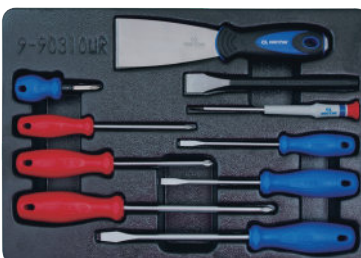
Contents		0.65 kg	1 / 6 boxes
	1427 T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150		



**9**  
PC.

## 9-90310MR Tray category #4 (375 x 265mm)

Contents		1.08 kg	1 / 6 boxes
	1411 PH1 x 100, PH2 x 100, PH3 x 150		
	1412 5.5 x 100, 6.5 x 100, 8.0 x 150		
	76220-07		
	9CJ2120		
	14324003		
	24110214		



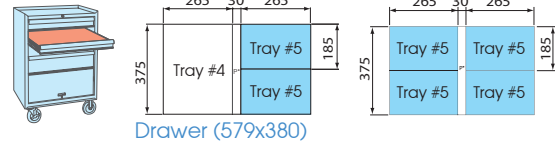
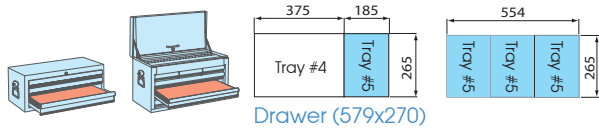
**10**  
PC.

## 9-34128FR Tray category #4 (375 x 265mm)

Contents		1.98 kg	1 / 6 boxes
	1836P PH2, PH3		
	1836S 9, 11		
	1880P PH2, PH3		
	1880S 8, 10		
	1930 8 x 10, 11 x 13, 12 x 14		
	4112		
	414810S		
	3204		



**14**  
PC.



# Tool Set Content

## 9-2526MR Tray category #5 (265 x 185mm)

Contents 0.90 kg / 1 / 10

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
		2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 13
		2779-55G	2813
		2221-02	2792
		2221-04	2792



26 PC.

## 9-4119PR Tray category #5 (265 x 185mm)

Contents 1.10 kg / 1 / 10

	4033	T20, T25, T27, T30, T40, T45, T50, T55, T60
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9 PC.

## 9-4120PR Tray category #5 (265 x 185mm)

Contents 1.30 kg / 1 / 10

	4035	H4, H5, H6, H7, H8, H10, H12, H14, H17
--	------	--



9 PC.

## 9-91026PR Tray category #5 (265 x 185mm)

Contents 1.3 kg / 1 / 10

	1143R	T10, T15, T20, T25, T27, T30, T40, T45, T50
	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	4023	T30, T40, T45, T50, T55
	4375M	E10, E12, E14, E16, E18

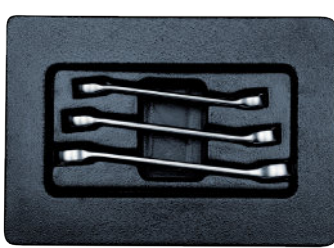


26 PC.

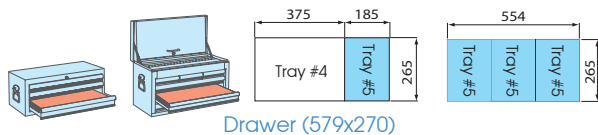
## 9-1303MR Tray category #5 (265 x 185mm)

Contents 0.50 kg / 1 / 10

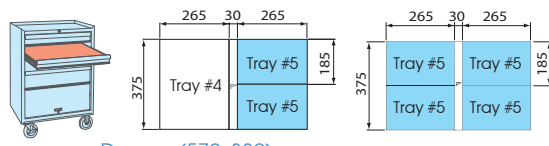
	1930	10 x 11, 12 x 14, 14 x 17
--	------	---------------------------



3 PC.



Drawer (579x270)



Drawer (579x380)

## Tool Set Content

### 9-10112MR

KT NO.	Contents	kg	1.22	1 / 10
9-10112MR	3731M		10, 11, 12, 13, 14, 15, 16, 17, 19	373202R
9-10212MR	3732M			373203R 373204R

### 9-10212MR

Tray category #5 (265 x 185mm)

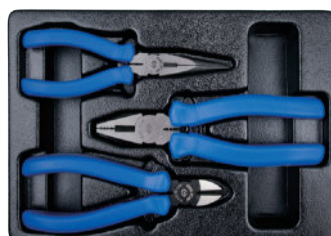


12 PC.

### 9-40103GP

Tray category #5 (265 x 185mm)

Contents	kg	0.83	1 / 10
6111-07			6211-06
6311-06			



3 PC.

### 9-31106MR

Tray category #5 (265 x 185mm)

Contents	kg	0.60	1 / 10
1421 PH0 x 60, PH1 x 80, PH2 x 100			
1422 3 x 75, 5.5 x 100, 6.5 x 150			

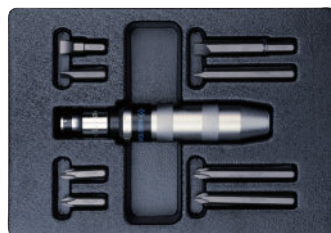


6 PC.

### 9-4128FR

Tray category #5 (265 x 185mm)

Contents	kg	1.70	1 / 10
1836P PH2, PH3			
1836S 9, 11			
1880P PH2, PH3			
1880S 8, 10			
4112 414810S			



10 PC.

### 9-20110MR

Tray category #5 (265 x 185mm)

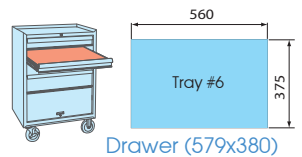
Contents	kg	1.10	1 / 10
1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10			
3204 (Ø 60 ~ 140)			



10 PC.



# Tool Set Content



**9-7576MR** Tray category #6 (560 x 375mm)

Contents 7.69 1 / 3

3335M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24	
3235M	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	
4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	
4235M	10, 12, 13, 14, 17, 19, 21, 22, 24	
9TD403	12, 13, 14, 17, 19	
321510M	366516	3792
321512M	366521	
3452-08F	3769-08P	4311-16F
4768-10P	4452-18FR	4573-10



76 PC.

Contents

4251-03R	3221-03
4251-05R	3221-06
4251-10R	3221-10

**9-94435MP** Tray category #6 (560 x 375mm)

Contents 6.49 1 / 3

4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 26, 29, 32	
4535M	10, 12, 13, 14, 17, 19, 21, 24	
4415M	17, 19, 21, 22	
4797P	68SS-07	68HS-07
6011-10R	6211-06	6311-08
6463-08C	74030	



35 PC.

**9-31919MR** Tray category #6 (560 x 375mm)

Contents 2.67 1 / 5

1411	PH0 x 75, PH2 x 38
1412	3 x 75, 6.5 x 38
1421	PH2 x 300
1422	6.5 x 300
1481	PH2 x 100, PH3 x 150
1482	6.5 x 100, 8 x 150
1427	T8H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125
43280212	2121-18



19 PC.

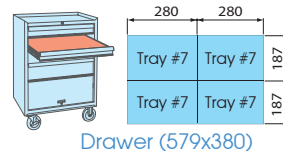
**9-90408TQ** Tray category #6 (560 x 375mm)

Contents 2.06 1 / 5

75102-08G	75202-08G
75302-08G	75402-08G
75502-08G	79063-12
79093-05C	7911-12



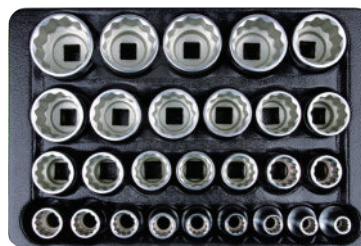
8 PC.



# Tool Set Content

## 9-4057MR Tray category #7 (280 x 187mm)

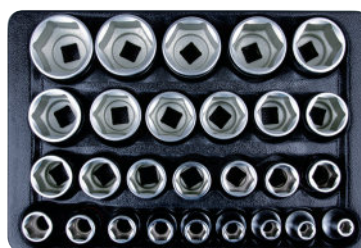
Contents		2.99	1 / 4
	4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

## 9-4557MR Tray category #7 (280 x 187mm)

Contents		2.99	1 / 4
	4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

## 9-4138PR Tray category #7 (280 x 187mm)

Contents		1.9	1 / 10
	4033	T20, T25, T27, T30, T40, T45, T50, T55, T60	
	4035	H4, H5, H6, H7, H8, H10, H12, H14, H17	



18 PC.

## 9-7128PR Tray category #7 (280 x 187mm)

Contents		1.20	1 / 10
	3025	H3, H4, H5, H6, H7, H8, H10, H12	
	3023	T15, T20, T25, T27, T30, T40, T45, T50	
	3375M	E8, E10, E12, E14, E16, E18	
	4375M	E10, E12, E14, E16, E18, E20	



28 PC.

## 9-4427MP Tray category #7 (280 x 187mm)

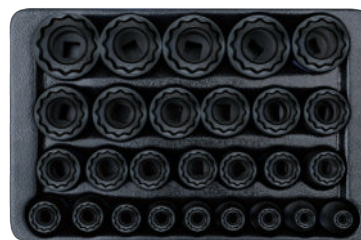
Contents		4.09	1 / 4
	4535M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.

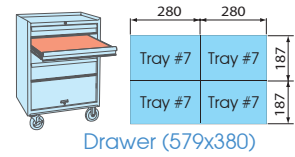
## 9-4827MP Tray category #7 (280 x 187mm)

Contents		4.09	1 / 4
	4530M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36	



27 PC.





# Tool Set Content

## 9-12C7MR Tray category #7 (280 x 187mm)

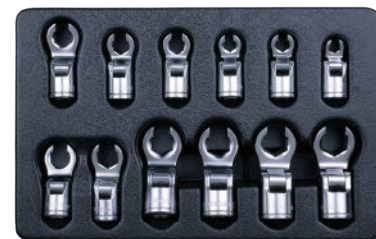
Contents		0.78	1 / 10
	1061	8, 10, 11, 13, 14, 17, 19	



7 PC.

## 9-3612MR Tray category #7 (280 x 187mm)

Contents		1.27	1 / 10
	3351MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	



12 PC.

## 9-30904AY Tray category #7 (280 x 187mm)

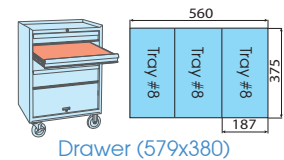
- Use for scribing, aligning, installing and removing O rings, seals and washers stainless

Contents		0.43	1 / 10
	43250115Y		43270115Y
	43260115Y		43290115Y



4 PC.

# Tool Set Content

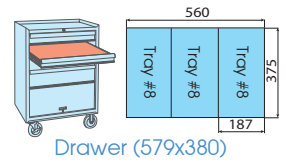


## 9-30909AY Tray category #8 (375 x 187mm)

Contents		0.69	1 / 12
	43250115Y		43350175Y
	43260115Y		43360175Y
	43270115Y		43370175Y
	43290115Y		43390175Y
	43240115Y		



9 PC.



# Tool Set Content

## 9-12110MR Tray category #8 (375 x 187mm)

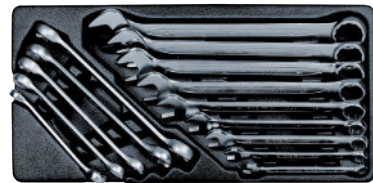
Contents		1.89	/  1 / 12
	3731M	8, 10, 12, 13, 14, 17, 19, 21, 22, 24	



**10**  
PC.

## 9-90114MR Tray category #8 (375 x 187mm)

Contents		1.75	/  1 / 12
	1930	8 x 10, 10 x 11, 12 x 14, 14 x 17, 17 x 19	
	1060	8, 10, 12, 14, 17, 19, 21, 22, 24	



**14**  
PC.

## 9-40618GP Tray category #8 (375 x 187mm)

Contents		1.89	/  1 / 12
	1471	PH1 x 100, PH2 x 100	
	1472	4 x 100, 5.5 x 125	
	6CB02	100~500V	
	6318-08A		6116-07A
	6216-06A		



**8**  
PC.

## 9-1011GP Tray category #8 (375 x 187mm)

Contents		1.15	/  1 / 12
	761G	ø6x185mm	
	763G	ø4x185mm, ø5x185mm, ø6x185mm, ø8x185mm	
	764G	ø2x140mm, ø3x150mm, ø4x180mm, ø5x200mm, ø6x210mm, ø8x220mm	



**11**  
PC.

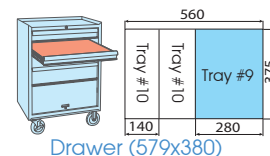
## 9-91016MR Tray category #8 (375 x 187mm)

Contents		1.15	/  1 / 12
	3730M	8, 10, 12, 13, 14, 17, 19	
	1123R	T10, T15, T20, T25, T27, T30, T40, T45, T50	



**16**  
PC.

# Tool Set Content



## 9-4335MR

KT NO.	Contents	5.01 kg	1/2 boxes
9-4335MR	4235M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36	
9-4235MR	4230M		

## 9-4235MR Tray category #9 (375 x 280mm)



25 PC.

## 9-4435MP Tray category #9 (375 x 280mm)

Contents	7.3 kg	1/2 boxes
4435M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36	



25 PC.

## 9-6414MP

## 9-6414SP Tray category #9 (375 x 280mm)



14 PC.

KT NO.	Contents	10.9 kg	1/2 boxes
9-6414MP	6435M	19, 21, 22, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 41	
9-6414SP	6435S		

## 9-12A1MR Tray category #9 (375 x 280mm)

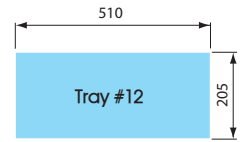
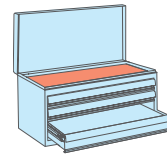
Contents	1.91 kg	1/4 boxes
1061	8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24	



11 PC.



## Tool Chest Set Content



Drawer (504 x 195 mm)

9-4338MR

9-4338MR01

9-4338MR03

Tray category #12 (510 x 205mm)

▪ For Top drawer of 87401-2 / 87401-3 / 87401-3H P.51
















9-4338MR



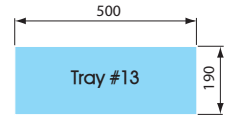
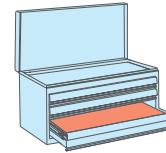
9-4338MR01 / 9-4338MR03

38  
PC.

KT NO.	Contents	Weight	Packing
9-4338MR		5.96 kg	1 / 5
9-4338MR01	 4335MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	 4768-10F  4755-10G	 4021 PH2, PH3  4022 8, 10  4023 T25, T27, T30, T40  4025 H4, H5, H6, H8, H10, H12
9-4338MR03	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	 4755-10G	 4251-05R  4251-10R  4572-12  4791R  463521R

▪ for 87401-2 / 87401-3 / 87401-3H P.51




## Tool Chest Set Content



Drawer (504 x 195 mm)

9-90121MR

Tray category #13 (500 x 190mm)



Contents	Weight	Packing
 1900 6 x 7, 8 x 10, 11 x 13, 12 x 13, 17 x 19, 22 x 24	2.1 kg	1 / 5
 1970 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19		
 1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		



21  
PC.

9-90126MR

Tray category #13 (500 x 190mm)





Contents	Weight	Packing
 1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	2.38 kg	1 / 5
 1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

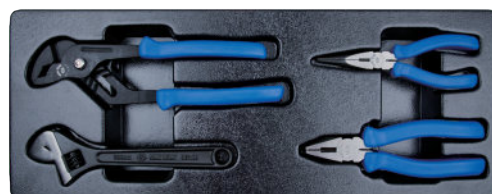


26  
PC.

9-90104GP

Tray category #13 (500 x 190mm)

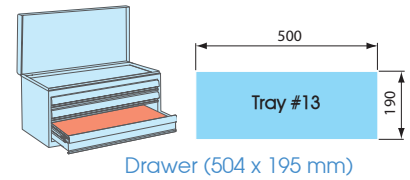
Contents	Weight	Packing
 3611-08P  6511-10	1.36 kg	1 / 5
 6111-07  6311-06		



4  
PC.

▪ for 87401-2 / 87401-3 / 87401-3H P.51

## Tool Chest Set Content



### 9-31006MR

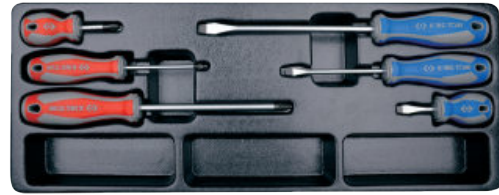
Tray category #13 (500 x 190mm)

Contents

0.74 kg 1 / 5

⊕ 1421 PH1 x 80, PH2 x 38, PH3 x 150

⊖ 1422 6.5 x 38, 5.5 x 100, 8 x 175



6 PC.

### 9-90113MA

Tray category #13 (500 x 190mm)

Contents

2.98 kg 1 / 5

4023 T45

4025 H8, H12

402B M16

3204 401408M 9AE42

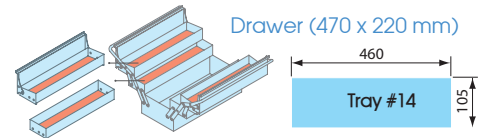
112005MR 9AE2-6606 9AE2-7614  
112006MR 9AE2-7608 9AE2-9315



13 PC.

▪ For 87402 / 87A05 P.52

## Tool Box Set Content



### 9-4219MR

### 9-4219MR07

### 9-4219SR08

### 9-4319MR

### 9-4319MR01

### 9-4319MR02

### 9-4319MR05

Tray category #14 (460 x 105mm)



9-4219MR



9-4219MR07



9-4219SR08



9-4319MR/9-4319MR05



9-4319MR02



9-4319MR01

20 PC.

KT NO.

Contents

2.5 kg 1 / 8

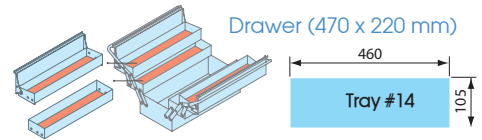
KT NO.	Contents	
9-4219MR	4768-10F	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
9-4219MR07	4762-10F	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27
9-4219SR08	4762-10F	4330SR 5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4
9-4319MR	4768-10F	4335MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
9-4319MR01	4755-10G	
9-4319MR02	4779-10FR	
9-4319MR05	4768-10F	

4791R



▪ For 87402 / 87A05 P.52

# Tool Box Set Content



## 9-4116FR

9-4116FR03 Tray category #14 (460 x 105mm)



6 PC.

KT NO.	Contents	kg	1/8
9-4116FR	463521R 4251-05R 4251-10R 4572-12	2.2	1/8
9-4116FR03	463021R 4452-18FR 4223-02R		

## 9-1606MR

9-1606MR01 Tray category #14 (460 x 105mm)



6 PC.

KT NO.	Contents	kg	1/8
9-1606MR	10 x 12, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 23 x 26	1.1	1/8
9-1606MR01	1960 8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 22 x 24		

## 9-1217MR

9-1217MR Tray category #14 (460 x 105mm)



7 PC.

Contents	kg	1/8
1060 17, 18, 19, 20, 21, 22, 24	1.5	1/8

## 9-1716MR

9-1716MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg	1/8
1970 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	1.1	1/8

## 9-90115MR

9-90115MR Tray category #14 (460 x 105mm)



15 PC.

Contents	kg	1/8
1900 6 x 7, 8 x 10, 11 x 13, 12 x 13, 17 x 19, 22 x 24	1.2	1/8
1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

## 9-40203GP

9-40203GP Tray category #14 (460 x 105mm)



3 PC.

Contents	kg	1/8
6111-07 6211-06	0.8	1/8
6311-06		

## 9-90120MR

9-90120MR Tray category #14 (460 x 105mm)



20 PC.

Contents	kg	1/8
1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	1.5	1/8
1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

## 9-30106MR

9-30106MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg	1/8
1421 PH1 x 80, PH2 x 100, PH3 x 150	0.8	1/8
1422 5.5 x 100, 6.5 x 150, 8 x 175		

## 9-90125MR

9-90125MR Tray category #14 (460 x 105mm)



15 PC.

Contents	kg	1/8
1900 8 x 10, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 22 x 24	1.2	1/8
1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

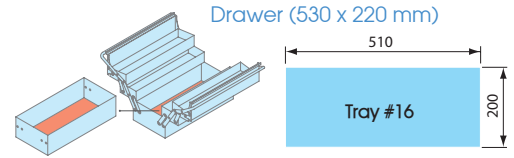
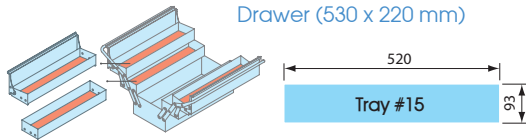
## 9-30206MR

9-30206MR Tray category #14 (460 x 105mm)



6 PC.

Contents	kg	1/8
1461 PH1 x 75, PH2 x 100, PH3 x 150	1.18	1/8
1462 5.5 x 100, 6.5 x 150, 8 x 175		



▪ For 87408 only P.52

# Tool Box Set Content

**9-4029CR** Tray category #15 (520 x 93mm)

29 PC.



Contents		kg 2.67	1 / 5
● 4025	H5, H6, H8, H10, H12, H14		
○ 4330MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 26, 27, 28, 30, 32		
○ 4330SR	7/16, 9/16, 7/8		
○ 463521R			

**9-6010MR** Tray category #16 (510 x 200mm)

**9-6010MR01**

10 PC.



KT NO.	Contents		kg	1 / 2
9-6010MR	○ 6330M	33, 36, 38, 41, 46, 50	9.70	1 / 2
9-6010MR01		30, 32, 36, 41, 46, 50	9.50	

**9-4156PR** Tray category #15 (520 x 93mm)

6 PC.



Contents		kg 1.99	1 / 5
● 4779-10GR	4572-12		
○ 4251-03R	4791R		
○ 4251-05R			
○ 4251-10R			

**9-1215MR03** Tray category #16 (510 x 200mm)

15 PC.



Contents		kg 3.12	1 / 2
○ 1060	8, 10, 11, 12, 13, 14, 17, 18, 19, 21, 22, 24, 27, 30, 32		

**9-90111MR** Tray category #15 (520 x 93mm)

11 PC.



Contents		kg 1.25	1 / 5
○ 1145MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
○ 3611-10P	6511-10C		

# HAND SOCKETS & ACCESSORIES ▶



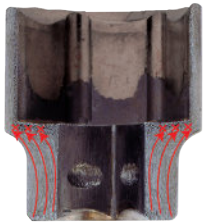




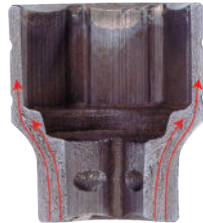
# Socket Made



## Precision forging Technology



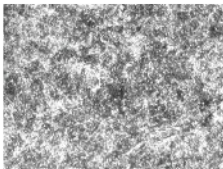
Other brand (not good)



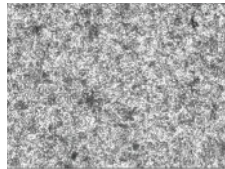
King Tony brand (good)

In forging process, metal moved while it is still in the solid state. King Tony specialized in forging technology to create better metal configuration. Non-straight grain flow and non-sharp corners can extend lifetime and durability of socket. Torque is transmitted for powerful tightening under safety.

## Conventional heat treatment and microstructural



Other brand: Over of Troostite (Zn,Mn) element will bring weak point. (not good)



King Tony brand: Well spread (Fe) element will bring better strength. (good)

Heat treatment involves the use of heating or chilling experience and time control. King Tony controls heat treatment system to ensure the right hardness without the brittleness. From microstructural picture you can see elements are well-distributed.

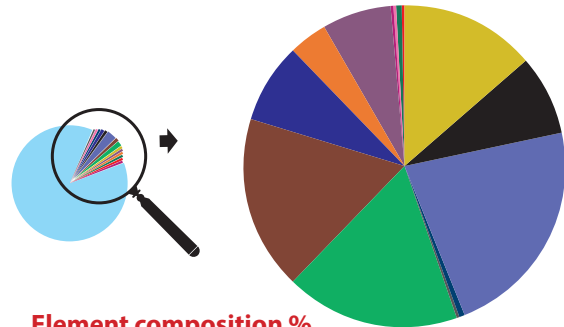
## Professional production & quality control



KING TONY hand socket reach 30% higher than DIN international standard.

Quality control also ensure that a sufficient level of production output. King Tony uses advance technology to inspect tiny difference on each step. Our hand socket, ratchet, extension bar, and power handle is 30% higher than international DIN standards. Impact socket reach 50% higher torque than DIN standards.

## Finest material for tools

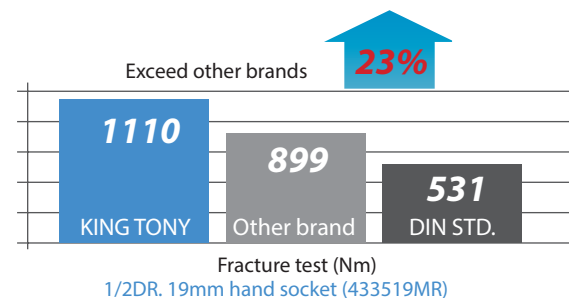
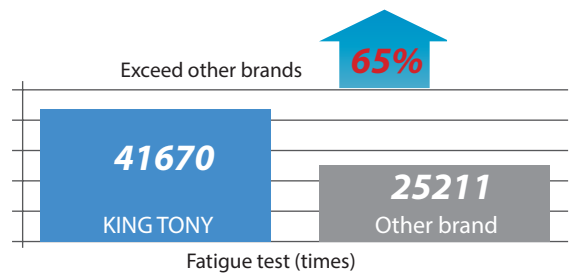


### Element composition %

• Fe 97.1025%	• Mo 0.2325%	• P 0.0125%
• Mn 0.6485%	• Si 0.2301%	• S 0.0104%
• Ni 0.5089%	• Cu 0.1970%	• Co 0.0092%
• Cr 0.5058%	• V 0.1130%	• W 0.0088%
• C 0.4000%	• Al 0.0196%	• B 0.0012%

Tools are made to extend hand work. King Tony selects different material depends on its difference of nature for tightening, power impacting, cutting, rotating, and locking. Choose qualified material to meet required lifetime for professional use and consumption.

## Extremely hard-wearing performance



King Tony offers reliable tools for professional users, strictly controls its quality to ensure achievement of required performance. From "fracture & fatigue test", you will know the difference we have when compare to others.

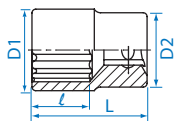
# Standard Socket

KT No. & D1



## 2330M

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI/ASME B107.1



## 2330S 1/4"



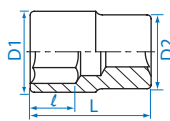
KT NO.	mm	D1 mm	D2 mm	l mm	L mm	⚖️	📦
233004M	4	6.8	11.8	4	24	9	20 / 600
233045M	4.5	7.4	11.8	5	24	9	20 / 600
233005M	5	8.0	11.8	6	24	9	20 / 600
233055M	5.5	8.7	11.8	6	24	11	20 / 600
233006M	6	9.2	11.8	7	24	11	20 / 600
233007M	7	10.3	11.8	7	24	10	20 / 600
233008M	8	11.4	11.8	8	24	12	20 / 600
233009M	9	12.8	12.0	8	24	12	20 / 600
233010M	10	14.3	13.0	9	24	13	12 / 360
233011M	11	15.8	14.2	9	24	18	12 / 360
233012M	12	16.8	15.5	9	24	21	12 / 360
233013M	13	17.8	16.5	9	24	23	12 / 360
233014M	14	19.6	18.5	9	24	31	10 / 360

KT NO.	inch	D1 mm	D2 mm	l mm	L mm	⚖️	📦
233005S	5/32	6.8	11.8	4	24	9	20 / 600
233006S	3/16	7.9	11.8	6	24	9	20 / 600
233007S	7/32	8.7	11.8	6	24	10	20 / 600
233008S	1/4	9.5	11.8	7	24	10	20 / 600
233009S	9/32	10.3	11.8	7	24	10	20 / 600
233010S	5/16	11.4	11.8	8	24	10	20 / 600
233011S	11/32	13.7	12.2	8	24	12	20 / 600
233012S	3/8	14.2	13.0	8	24	14	12 / 360
233014S	7/16	15.8	14.2	9	24	18	12 / 360
233015S	15/32	16.8	15.5	9	24	21	12 / 360
233016S	1/2	17.6	16.5	9	24	24	12 / 360

## 2335M

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI/ASME B107.1



## 2335S 1/4"



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	⚖️	📦
233532M	3.2	5.7	11.8	3.5	24	9	20 / 600
233504M	4	6.8	11.8	4	24	9	20 / 600
233545M	4.5	7.4	11.8	5	24	10	20 / 600
233505M	5	8.0	11.8	6	24	10	20 / 600
233555M	5.5	8.7	11.8	6	24	10	20 / 600
233506M	6	9.2	11.8	7	24	10	20 / 600
233507M	7	10.3	11.8	7	24	11	20 / 600
233508M	8	11.4	11.8	8	24	11	20 / 600
233509M	9	12.8	12.0	8	24	13	20 / 600
233510M	10	14.3	13.0	9	24	14	12 / 360
233511M	11	15.8	14.2	9	24	19	12 / 360
233512M	12	16.8	15.5	9	24	22	12 / 360
233513M	13	17.8	16.5	9	24	25	12 / 360
233514M	14	19.6	18.5	9	24	32	10 / 300
233515M	15	20.9	19.3	12	24	39	10 / 300

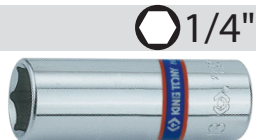
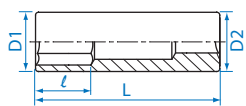
  

KT NO.	inch	D1 mm	D2 mm	l mm	L mm	⚖️	📦
233505S	5/32	6.8	11.8	4	24	9	20 / 600
233506S	3/16	7.9	11.8	6	24	11	20 / 600
233507S	7/32	8.7	11.8	6	24	11	20 / 600
233508S	1/4	9.5	11.8	7	24	11	20 / 600
233509S	9/32	10.3	11.8	7	24	11	20 / 600
233510S	5/16	11.4	11.8	8	24	11	20 / 600
233511S	11/32	13.7	12.2	8	24	12	20 / 600
233512S	3/8	14.2	13.0	8	24	14	12 / 360
233514S	7/16	15.8	14.2	9	24	19	12 / 360
233515S	15/32	16.8	15.5	9	24	22	12 / 360
233516S	1/2	17.6	16.5	9	24	24	12 / 360
233518S	9/16	19.6	18.5	9	24	31	10 / 300

# Deep Socket

## 2235M

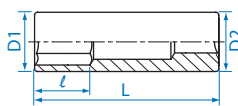
- DIN 3124, ISO 2725-1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	⚖️	📦
223504M	4	6.9	11.6	6	49.5	18	20 / 320
223545M	4.5	7.5	11.6	6	49.5	20	20 / 320
223505M	5	8.0	11.6	7	49.5	21	20 / 320
223555M	5.5	8.8	11.6	7	49.5	21	20 / 320
223506M	6	9.5	11.6	8	49.5	22	20 / 320
223507M	7	10.5	11.6	12	49.5	23	20 / 320
223508M	8	11.8	11.8	15	50	24	20 / 320
223509M	9	13.0	13.0	15	50	30	15 / 240
223510M	10	14.5	14.5	15	50	38	15 / 240
223511M	11	15.8	15.8	21	50	43	15 / 240
223512M	12	16.8	16.8	21	50	48	15 / 240
223513M	13	17.8	17.8	21	50	52	15 / 240
223514M	14	19.8	19.8	21	50	69	15 / 240
223515M	15	20.9	20.9	25	50	71	12 / 240

## 2235S

- Inch-ANSI/ASME B107.1



KT NO.	inch	D1 mm	D2 mm	l mm	L mm	⚖️	📦
223505S	5/32	6.8	11.8	6	50	19	20 / 320
223506S	3/16	7.9	11.8	7	50	20	20 / 320
223507S	7/32	8.7	11.8	9	50	21	20 / 320
223508S	1/4	9.5	11.8	9	50	23	20 / 320
223509S	9/32	10.3	11.8	15	50	24	20 / 320
223510S	5/16	11.8	11.8	15	50	25	20 / 320
223511S	11/32	13.0	13.0	15	50	32	15 / 240
223512S	3/8	14.5	14.5	15	50	41	15 / 240
223514S	7/16	15.8	15.8	21	50	47	15 / 240
223516S	1/2	17.6	17.6	21	50	54	15 / 300
223518S	9/16	19.6	19.6	21	50	71	15 / 270

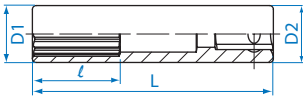


## Deep Socket

2230M

1/4"

- DIN 3124, ISO 2725-1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	⚖️	📦
223004M	4	6.8	11.8	6	50	20	20 / 320
223045M	4.5	7.4	11.8	7	50	20	20 / 320
223005M	5	8.0	11.8	7	50	20	20 / 320
223055M	5.5	8.7	11.8	9	50	20	20 / 320
223006M	6	9.2	11.8	9	50	21	20 / 320
223007M	7	10.3	11.8	15	50	22	20 / 320
223008M	8	11.8	11.8	15	50	25	20 / 320
223009M	9	13.0	13.0	15	50	28	15 / 240
223010M	10	14.5	14.5	15	50	36	15 / 240
223011M	11	15.8	15.8	21	50	41	15 / 240
223012M	12	16.8	16.8	21	50	47	15 / 240
223013M	13	17.8	17.8	21	50	49	15 / 240
223014M	14	19.8	19.8	21	50	66	15 / 240

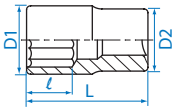
## Double Square Socket

2310M

2310S

1/4"

- Metric-DIN 3120
- Inch-ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	⚖️	📦
231008M	8	13.8	13.0	9	24	16	12 / 360
231010M	10	16.8	15.4	9	24	22	12 / 360

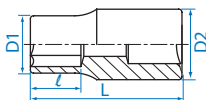
KT NO.	inch	D1 mm	D2 mm	l mm	L mm	⚖️	📦
231010S	5/16	13.8	13.0	9	24	15	12 / 360
231012S	3/8	16.8	15.4	9	24	24	12 / 360

## Star Socket

2375M

1/4"

- DIN 3120



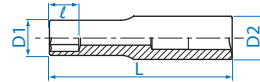
KT NO.	Size	D1 mm	D2 mm	l mm	L mm	⚖️	📦
237504M	E4	6.0	11.8	3.6	24	9	20 / 600
237505M	E5	7.0	11.8	4.0	24	10	20 / 600
237506M	E6	8.0	11.8	6.0	24	10	20 / 600
237507M	E7	8.5	11.8	7.0	24	11	20 / 600
237508M	E8	9.8	11.8	8.0	24	11	20 / 600
237510M	E10	11.8	11.8	9.0	24	13	20 / 600

## Star Socket

2275M

1/4"

- DIN 3120



KT NO.	Size	D1 mm	D2 mm	l mm	L mm	⚖️	📦
227504M	E4	6.0	11.8	3.6	50	21	20 / 320
227505M	E5	7.0	11.8	4.0	50	22	20 / 320
227506M	E6	8.0	11.8	6.0	50	24	20 / 320
227507M	E7	8.5	11.8	7.0	50	24	20 / 320
227508M	E8	9.8	11.8	8.0	50	26	20 / 320

## Bit Socket

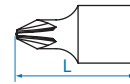


In order to get normal life of bit socket, always use within limited torque to bit.

2011X

1/4"

- Phillips head
- DIN ISO 8764-1

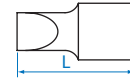


KT NO.	⊕ No.	L mm	⚖️	📦
201101X	PH1	25	9	20 / 600
201102X	PH2	25	9	20 / 600
201103X	PH3	25	10	20 / 600
201104X	PH4	25	12	20 / 600

2012X

1/4"

- Slotted head
- DIN ISO 2380-1

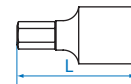


KT NO.	Tip width mm	Tip thickness mm	L mm	⚖️	📦
201235X	3.5	0.6	25	8	20 / 600
201255X	5.5	1.0	25	9	20 / 600
201208X	8	1.2	25	10	20 / 600

2015X

1/4"

- Hexagon head
- DIN ISO 2380-1



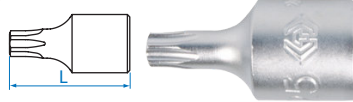
KT NO.	mm	L mm	⚖️	📦
201503MX	H3	25	8	20 / 600
201504MX	H4	25	9	20 / 600
201505MX	H5	25	10	20 / 600
201506MX	H6	25	10	20 / 600
201508MX	H8	25	13	20 / 600
201510MX	H10	25	15	20 / 600
201504SX	1/8	25	8	20 / 600
201506SX	3/16	25	9	20 / 600
201507SX	7/32	25	10	20 / 600
201508SX	1/4	25	10	20 / 600
201510SX	5/16	25	13	20 / 600
201512SX	3/8	25	14	20 / 600



## 2013X



- For torx internal screw



KT NO.	Size	L mm	Weight	Box
201308X	T8	25	8	20 / 600
201309X	T9	25	8	20 / 600
201310X	T10	25	8	20 / 600
201315X	T15	25	8	20 / 600
201320X	T20	25	9	20 / 600
201325X	T25	25	9	20 / 600
201327X	T27	25	9	20 / 600
201330X	T30	25	10	20 / 600
201340X	T40	25	11	20 / 600

## 2018X



- Pozidriv head
- DIN ISO 8764-1



KT NO.	No.	L mm	Weight	Box
201801X	PZ1	25	9	20 / 600
201802X	PZ2	25	9	20 / 600
201803X	PZ3	25	10	20 / 600
201804X	PZ4	25	11	20 / 600

## 2031



- Phillips head
- DIN ISO 8764-1



KT NO.	No.	L mm	Weight	Box
203101	PH1	37	15	20 / 600
203102	PH2	37	15	20 / 600
203103	PH3	37	15	20 / 600
203104	PH4	37	16	20 / 600

## 2032



- Slotted head
- DIN ISO 8764-1



KT NO.	Tip width mm	Tip thickness mm	L mm	Weight	Box
203235	3.5	0.5	37	15	20 / 600
203204	4	0.8	37	14	20 / 600
203255	5.5	1.0	37	15	20 / 600
203265	6.5	1.2	37	15	20 / 600
203207	7	1.2	37	15	20 / 600
203208	8	1.2	37	16	20 / 600
203210	10	1.6	37	20	20 / 600

## 2035



- Hexagon head
- DIN 7422 / 3120



KT NO.	mm	L mm	Weight	Box
203503	H3	37	15	20 / 600
203504	H4	37	15	20 / 600
203505	H5	37	15	20 / 600
203506	H6	37	16	20 / 600
203507	H7	37	18	20 / 600
203508	H8	37	19	20 / 600
203510	H10	37	23	20 / 600

## 2033



- For torx internal screw
- DIN 3120



KT NO.	Size	L mm	Weight	Box
203308	T8	37	14	20 / 600
203309	T9	37	14	20 / 600
203310	T10	37	14	20 / 600
203315	T15	37	14	20 / 600
203320	T20	37	15	20 / 600
203325	T25	37	15	20 / 600
203327	T27	37	15	20 / 600
203330	T30	37	16	20 / 600
203340	T40	37	16	20 / 600

## 2037



- For tamper resistant torx screw
- DIN 3120



KT NO.	Size	L mm	Weight	Box
203708	T8H	37	14	20 / 600
203709	T9H	37	14	20 / 600
203710	T10H	37	14	20 / 600
203715	T15H	37	14	20 / 600
203720	T20H	37	15	20 / 600
203725	T25H	37	15	20 / 600
203727	T27H	37	15	20 / 600
203730	T30H	37	15	20 / 600
203740	T40H	37	16	20 / 600

# 90 Teeth Dustproof Ratchet **PAT.**



HAND SOCKET & ACCESSORIES



- Material
  - chrome vanadium alloy steel handle
  - chrome molybdenum steel (gear) driver
- Finishing
  - polished, chrome plated
  - black driver by phosphate sunk



**1**  
New slimline I-Beam shank offers superior strength with less effort

**2**  
Dustproof - Double Sealing gasket

**3**  
Screwless design - Easy to repair

## 2773-55GS

- Quick release reversible ratchet
- 4° gear action degree (90 teeth)
- DIN 3122
- IP51

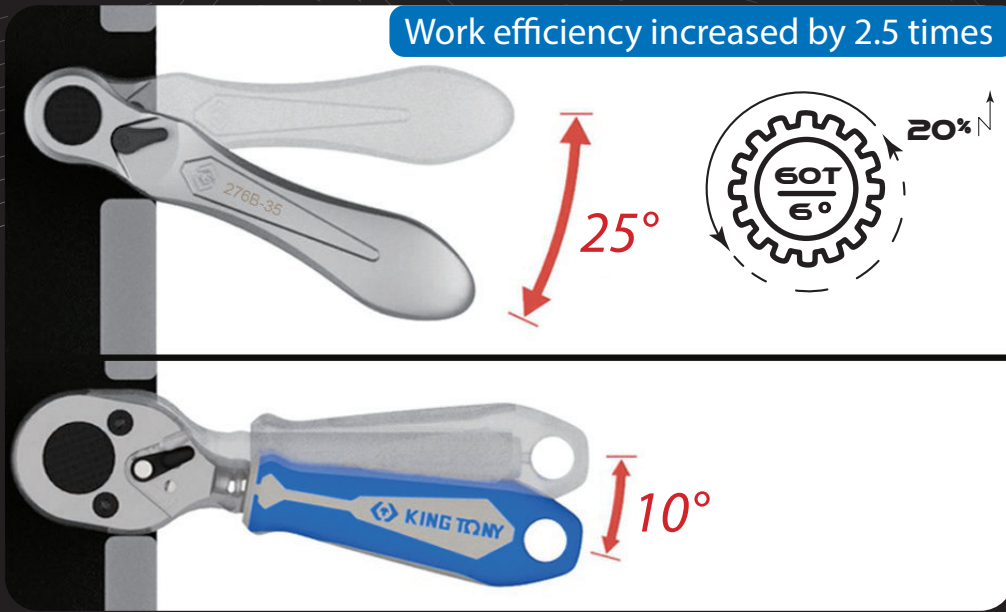
KT NO.	Square DR.	Overall length		Scales	Box / Carton
		inch	mm		
2773-55GS	1/4"	5-1/2	140	110	1 / 100
2773DK				renewal kits	



2773DK

4773-10GS (IP51)

# Mini Bit Ratchet **PAT.**

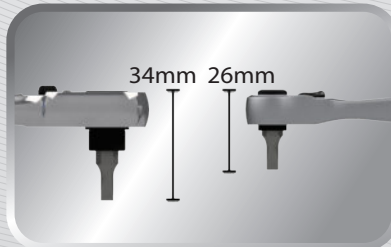


## 276B-0225

- Reversible ratchet
- 6° gear action degree (60 teeth)
- Quick release design, convenient for users to quickly replace bit
- BIT-holder 12-PT design for quick bit replacement
- Reduced head size and shaped waist can be used quickly and conveniently in narrow spaces



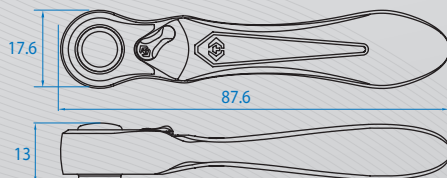
▪ Quick release Design



▪ Operating space 30% thinner



▪ D-head 12-angle design for quick bit replacement



### Contents

80 1 / 36

	7702-25
	Mini bit ratchet

# Ratchet

## 2725

FINE GEAR 1/4"

- Reversible ratchet
- 8° gear action degree (45 teeth)

KT NO.	Overall length		Scales	Boxes
	inch	mm		
2725-55F	5-1/2	140	156	5 / 90
2725-55G	5-1/2	140	168	5 / 90
2725DK	renewal kits		-	-

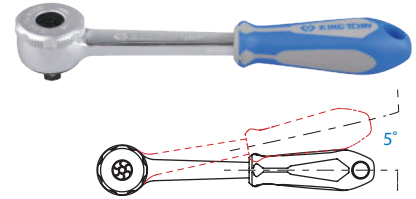


## 2755

FINE GEAR 1/4"

- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length		Scales	Boxes
	inch	mm		
2755-55G	5-1/2	144	113	5 / 90
2755DK	renewal kits		-	-

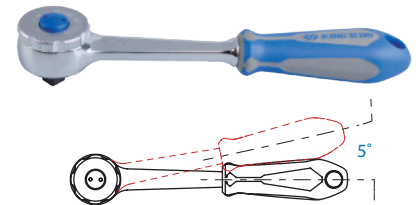


## 2756

QUICK RELEASE FINE GEAR 1/4"

- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

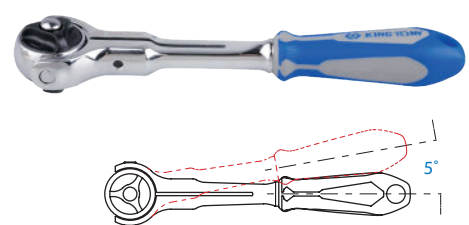
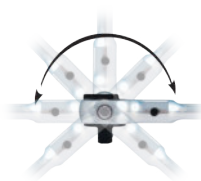
KT NO.	Overall length		Scales	Boxes
	inch	mm		
2756-55G	5-1/2	144	111	5 / 90
2756DK	renewal kits		-	-



## 2752

QUICK RELEASE FINE GEAR 1/4"

- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners



KT NO.	Overall length		Scales	Boxes
	inch	mm		
2752-06G	6	150	128	6 / 108
2752DK	renewal kits		-	-



## 2752-45G

QUICK RELEASE FINE GEAR 1/4"

- Swivel head ratchet
- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Application: T-handle ratchet / screwdriver ratchet

KT NO.	Overall length		Scales	Boxes
	inch	mm		
2752-45G	4-1/2	114	128	6 / 108





# Ratchet

KT No. & D1



## 2761

**QUICK RELEASE** 1/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2761-55F	5-1/2	140	164	6 / 108
2761-55P	5-1/2	140	156	6 / 108
2761DK	renewal kits		-	-



2761DK



2761-55F



2761-55P

## 2769

1/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2769-55F	5-1/2	140	167	6 / 108
2769-55P	5-1/2	140	159	6 / 108
2769DK	renewal kits		-	-



2769DK



2769-55F



2769-55P

## 2771

**QUICK RELEASE** 1/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2771-55F	5-1/8	130	142	6 / 108
2771-55G	5-1/8	134	110	6 / 108
2771DK	renewal kits		-	-



2771DK



2771-55F

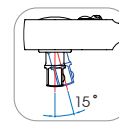
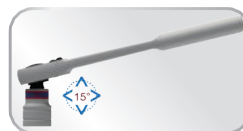


2771-55G

## 2774

1/4"

- Universal joint reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122



KT NO.	Overall length			
	inch	mm		
2774-55F	5-1/8	130	146	6 / 108
2774-55G	5-1/8	134	114	6 / 108
2774DK	renewal kits		-	-



2774DK



2774-55F



2774-55G

## 2779

1/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2779-55F	5-1/8	130	145	6 / 108
2779-55G	5-1/8	134	113	6 / 108
2779DK	renewal kits		-	-



2779DK



2779-55F



2779-55G



# Ratchet

KT No. & D1



## 2781

QUICK RELEASE

1/4"

- Quick release flexible and reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2781-06P	6	150	156	6 / 108
2781DK	renewal kits		-	-



2781DK



## 2789

1/4"

- Flexible and reversible ratchet
- 15° gear action degree (24 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2789-06F	6	150	140	6 / 108
2789DK	renewal kits		-	-



2789DK



## 2760

MINI RATCHET

1/4"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
2760-04	4	100	95	8 / 128
2760DK01	renewal kits		-	-

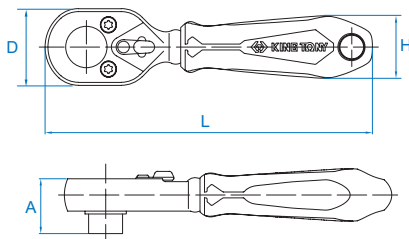


2760DK01



## 2765

- Mini bit holder ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action



## 276A

FINE GEAR

MINI RATCHET

1/4"



2765DK



2765-04G



276ADK



276A-04G

KT NO.	A mm	D mm	L mm	H mm		
2765-04G	18.5	26	111	20	101	6 / 108
276A-04G	23	26	111	20	101	6 / 108
2765DK	renewal kits					
276ADK	renewal kits					



2765-04G (top, side, back)



276A-04G (top, side, back)

## Mini Ratchet Set

1001MR

1/4"

- Mini ratchet set
- 5° gear action degree (72 teeth)
- Two teeth pawl action

10  
PC.



Contents 0.19 6 / 36

	1025P	PH1, PH2
	1025T	T10, T15, T20
	1025H	H3, H4, H5, H6
	2765-04G	

2515MR

1/4"

- Mini ratchet set
- 5° gear action degree (72 teeth)
- Two teeth pawl action

15  
PC.



Contents 0.26 6 / 36

	2335M	5, 5.5, 6, 7, 8
	1025P	PH1, PH2
	1025T	T10, T15, T20
	1025H	H3, H4, H5, H6
	276A-04G	

2501MR

1/4"

- 5° gear action degree (72 teeth)
- Two teeth pawl action

21  
PC.



Contents 0.36 4 / 48

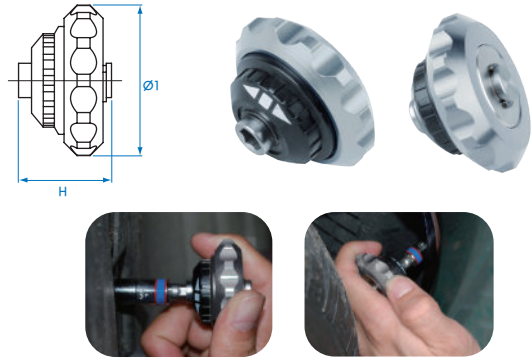
	2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13
	1025P	PH1, PH2, PH3
	1025T	T10, T20, T30
	1025H	H4, H6
	1025S	5.5x1.0, 6.5x1.2
	276A-04G	

## Accessory

2745

1/4"

- Palm ratchet bit holder
- Non-toothed palm ratchet is designed for any angle of degree
- 3 position of forward / lock / reverse
- Suitable for narrow space where a standard wrench cannot attain
- Anodized aluminum alloy body & chrome vanadium alloy steel bit holder



KT NO.	Ø1 mm	H		
2745	46	26.5	103	12 / 144

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated

KT No. & D1

2221

1/4"

- Extension bar
- DIN 3122



KT NO.	Overall length inch	mm		
2221-02	2	55	27	30 / 480
2221-03	3	75	36	20 / 400
2221-04	4	100	44	15 / 240
2221-06	6	150	67	15 / 240
2221-10	10	254	107	15 / 240
2221-12	12	305	130	15 / 240



**CAUTION** In order to get normal life of bit socket, Always use within limited torque to bit.

2223

1/4"

- Offset extension bar
- Max. torque: 35 Nm
- DIN 3123



KT NO.	Overall length inch	mm		
2223-02	2	55	24	30 / 480
2223-04	4	100	44	15 / 240

# Accessory



**2293**

**1/4"**

- Multi-function extension bar and offset extension bar
- Hex key is applicable to the hex shank
- Max. torque : 35 N·m
- DIN 3123



KT NO.	Overall length			
	inch	mm		
2293-02	2	55	24	30 / 480
2293-03	3	75	34	20 / 400
2293-04	4	100	44	15 / 240
2293-06	6	150	65	15 / 300

**2311**

**1/4"**

- Flexible extension bar



KT NO.	Overall length			
	inch	mm		
2311-06	6	150	65	12 / 240
2311-12	12	300	89	12 / 120
2311-18	18	450	112	20 / 200

**2312**

**1/4"**

- Flexible extension bar



KT NO.	Overall length			
	inch	mm		
2312-06	6	150	59	12 / 240

**2792**

**1/4"**

- Universal joint
- DIN 3123



KT NO.	Overall length			
	inch	mm		
2792	1 - 1/2	36	22	24 / 384

**2813**

**1/4"**

- Adapter
- Convert to 3/8" drive
- DIN 3123



3/8" drive (M) ← 1/4" drive (F)

KT NO.	Spec.		

**213312DF**

**1/4"**

- Magnetic screwdriver handle
- DIN 3126



KT NO.	Overall length			
	inch	mm		
213312DF	12	300	132	2 / 40

**2177DF**

**1/4"**

- Spinner handle
- DIN 3122



KT NO.	Overall length			
	inch	mm		
2177DF	12-1/4	310	126	6 / 60

**2178DF**

**2179DF**

**1/4"**

- Spinner handle
- DIN 3122



2178DF (PP + TPR)



2179DF (PP)

KT NO.	Overall length			
	inch	mm		
2178DF	6	150	76	6 / 120
2179DF	6	150	90	12 / 192

**2178TG**

**1/4"**

- Spinner handle
- DIN 3122



KT NO.		mm			
2178TG	1/4	115	154	94	6 / 96

**2452**

**1/4"**

- Flexible handle
- Action degree -180°
- DIN 3122



2452DK

KT NO.	Overall length			
	inch	mm		
2452-05F	5	130	86	15 / 270
2452DK	renewal kits			

# Accessory

KT No. & D1

**2453**

**1/4"**

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offers 15% lightweight
- DIN 3122



2452DK

KT NO.	Overall length		Scales	Boxes
	inch	mm		
2453-05F	5	130	71	15 / 270
2452DK	renewal kits			

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated & black phosphate sunk

**2571**

**1/4"**

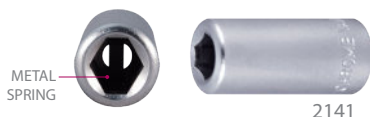
- Sliding T-handle
- DIN 3122



KT NO.	Overall length		Scales	Boxes
	inch	mm		
2571-45	4-1/2	115	44	12 / 192

**2141**

- Bit holder
- DIN 3122



2141



2142

KT NO.	Size inch	Overall length mm	Scales	Boxes
2141	1/4	25	14.0	20 / 320
2142	1/4	25	15	20 / 320

# Socket Rail Set

**2509MR**

**1/4"**

- Socket rail 150mmL



**9 PC.**

Contents		Scales	Boxes
2335M	4, 5, 6, 7, 8, 9, 10, 11, 13	0.17	40
8720609			

# Socket Rail Set

**2509SR**

**1/4"**

- Socket rail 150mmL



**9 PC.**

Contents		Scales	Boxes
2335S	5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	0.17	40
8720609			

**2513MR**

**1/4"**

- Socket rail 240 mmL



**13 PC.**

Contents		Scales	Boxes
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	0.23	6 / 60
8721114			

**2513MRD1**

**1/4"**

- Socket rail 508 mmL



**13 PC.**

Contents		Scales	Boxes
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	0.34	50
872513MRD1			

**2311MR**

**1/4"**

- Socket rail 240 mmL



**13 PC.**

Contents		Scales	Boxes
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	0.46	6 / 60
8721114			

**2127PR**

**1/4"**

- Socket rail 130mmL
- For hex head screw
- H : 37mm



**7 PC.**

Contents		Scales	Boxes
2035	H3, H4, H5, H6, H7, H8, H10	0.15	50
8720507			

## Socket Rail Set

2109PR

1/4"

- Socket rail 150mmL
- For torx head screw
- H : 37mm

9  
PC.



Contents 0.12 50

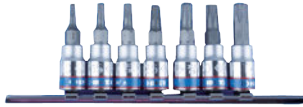
2033 T8, T9, T10, T15, T20, T25, T27, T30, T40  
8720609

2107PR

1/4"

- Socket rail 130mmL
- For tamper resistant torx head screw
- H : 37mm

7  
PC.



Contents 0.12 50

2037 T10H, T15H, T20H, T25H, T27H, T30H, T40H  
8720507

2119PR

1/4"

- Socket rail 150mmL
- For tamper resistant torx head screw
- H : 37mm

9  
PC.



Contents 0.12 50

2037 T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H  
8720609

872

1/4"

- Rail length from 160 mm to 560 mm



KT NO.

L  
(mm)

870406		160
870208		200
870422		560
8720		-

8720813D1

1/4"

Socket rail carrier with retaining clip  
26" roller cabinet



KT NO.

Square  
drive

Clip

L  
(mm)

8720813D1	1/4"	13	508
-----------	------	----	-----

## Extension Bar Set

2104PR

1/4"



4  
PC.

Contents

0.17 1 / 80

2221 2", 3", 4", 6"

## Socket Set

2313MR

1/4"



13  
PC.

Contents

0.42 20

2335M 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

2766-55G 2221-04

2510SR

1/4"

Metal case size (mm) :  
223 x 65 x 32 (0.016 cuft)

10  
PC.



Contents

0.62 1 / 30

2235S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

2511MR

1/4"

Metal case size (mm) :  
223 x 65 x 32 (0.016 cuft)

11  
PC.



Contents

0.67 1 / 30

2235M 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13

# Socket Set

2516MR

2516SR

1/4"

Metal case size (mm):  
244 x 118 x 37 (0.038 cuft)

16  
PC.



2516MR



2516SR

KT NO.

Contents

1.10

1 / 18

KT NO.	Socket	Contents	2779-55G	2571-45	2179DF
2516MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13			
2516SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2			

2518MR

2518SR

2518MR01

1/4"

Metal case size (mm):  
198 x 105 x 32 (0.023cuft)

18  
PC.



2518MR/2518MR01



2518SR

KT NO.

Contents

0.96

1 / 20

KT NO.	Socket	Contents	2310M	2310S	2452-05F	2571-45	2725-55F	2792	2221-02	2221-04
2518MR	2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12								
2518SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2								
2518MR01	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13								

2019MR

2019SR

2519MR

2519SR

1/4"

Metal case size (mm):  
198 x 105 x 32 (0.023 cuft)

18  
PC.



2019MR/2519MR



2019SR/2519SR

KT NO.

Contents

0.92

1 / 20

KT NO.	Socket	Contents	2310M	2310S	2769-55P	2452-05F	2221-02	2221-04	2571-45	2792
2019MR	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12								
2519MR	2335M									
2019SR	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2								
2519SR	2335S									


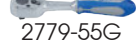
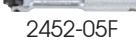

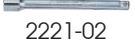
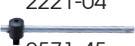



# Socket Set

2021MR

2521MR

1/4"

Metal case size (mm) :  
198 x 105 x 32 (0.023 cuft)

KT NO.	Contents	Kg 0.87	1 / 20
2021MR	 2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2779-55G  2452-05F  2792	 2221-02  2221-04  2571-45  2141
2521MR	 2335M		










19 PC.

2525MRE

1/4"

Blow case size (mm) :  
203 x 93 x 43 (0.028cuft)

Contents	Kg 0.54	1 / 20
 2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		
 1025P PH2 x2		
 1025H H5, H6		
 1025T T10, T15, T20, T25, T30, T40		
 2771-55G  2221-04  2142		



25 PC.

2027MRE

1/4"

Blow case size (mm) :  
203 x 93 x 43 (0.028cuft)












2527MRE

1/4"



27 PC.

KT NO.	Contents	Kg 0.60	1 / 20
2027MRE	 2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 12, 13, 14	 PH1, PH2 1025P  H3, H4, H5 1025H  T10, T15, T20, T25, T30, T40 1025T	 2221-04  276A-04G  2142  2792
2527MRE	 2335M		



# Socket Set

## 2526MR

Metal case size (mm) :  
244 x 118 x 37 (0.038 cuft)



2526MR

## 2526SR

1/4"



2526SR

26  
PC.

KT NO.	Contents		Kg 1.30	1 / 18
2526MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2779-55G	2221-02 2221-04
	2235M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 13		
2526SR	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	2792	2813
	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		

## 2031MR

Metal case size (mm) :  
280 x 130 x 41 (0.053 cuft)

KT NO.	Contents		Kg 1.60	1 / 15
2031MR	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13	T8, T9, T10, T15, 2033 T20, T25, T27, T30	2779-55G 2179DF 2571-45
2531MR	2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13	H3, H4, H5, H6, 2035 H8, H10	

## 2531MR

1/4"



31  
PC.

## 2030CR

Metal case size (mm) :  
244 x 118 x 37 (0.038 cuft)



30  
PC.

## 2530CR 1/4"

KT NO.	Contents		Kg 1.30	1 / 18
2030CR	2330M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12	2310M 8, 10 2310S 5/16, 3/8	2769-55F 2792
	2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		
2530CR	2335M	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12	2571-45 2452-05F 2221-02 2221-04	2792
	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		

## 2539MR

Metal case size (mm) :  
280 x 130 x 41 (0.053 cuft)



39  
PC.

Contents		Kg 1.61	1 / 15
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	2779-55G 2179DF	2221-02 2221-04
2375M	E4, E5, E6, E7, E8		
2033	T8, T9, T10, T15, T20, T25, T27, T30, T40	2571-45 2792	2792
2035	H3, H4, H5, H6, H7, H8, H10		



# Socket Set

## 2540MR

1/4"

Metal case size (mm):  
316 x 104 x 40 (0.047 cuft)



39  
PC.

Contents

1.52 kg / 1 / 12

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
1025S	4, 5.5, 7
1025P	PH0, PH1, PH2, PH3
1025H	H3, H4, H5, H6, H7, H8
1025T	T10, T15, T20, T25, T30, T40
2779-55G	213312DF 2792 2141
2571-45	2452-05F 2221-02 2221-06

## 2575MR

1/4"

Metal case size (mm):  
244 x 118 x 37 (0.038 cuft)



45  
PC.

Contents

1.24 kg / 1 / 18

2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
1025S	4, 6.5, 7, 8
1025P	PH1, PH2, PH3
1025H	H2.5, H3, H4, H5, H6, H7, H8, H10
1025U	T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025Z	PZ1, PZ2, PZ3
2755-55G	2223-02 2792
2311-06	2179DF 2142

## 2551MR

Metal case size (mm):  
244 x 118 x 37 (0.038 cuft)



2551MR



2551MR01

51  
PC.

KT NO.

Contents

1.30 kg / 1 / 18

2551MR	2755-55G	2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H	2813	2142	2792
		1025S	3, 4, 5, 6	1025Z	PZ1, PZ2 x2, PZ3	7702-25	753-63	
2551MR01	2761-55F	1025P	PH1, PH2 x2, PH3	1025T	T10, T15, T20, T25, T27, T30, T40	2223-02	2178DF	2223-04
		1025H	H3, H4, H5, H6					

## 2516MRV03

Plastic case size (mm):  
199 x 161 x 56 (0.063 Cuft)

Tray category #11 (187 x 140mm) 1/4"

Contents

0.75 kg / 1/16

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2771-55G	2571-45
2221-06	2792



17  
PC.

## 2524MRV

Plastic case size (mm):  
199 x 161 x 56 (0.063 Cuft)

Tray category #11 (187 x 140mm) 1/4"

Contents

0.9 kg / 1/16

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
2771-55G	2571-45 2142
2221-02	2221-04 2221-06
2178DF	2792



21  
PC.

# Socket Set





## 2528MRV

Tray category #11 (187 x 140mm) 1/4"

Plastic case size (mm) :  
199x 161 x 56 (0.063 Cuft)

Contents

0.76 kg / 1 / 6

○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
●	1025H	H3, H4, H5, H6
⊖	1025S	4, 5
⊕	1025T	T10, T15, T20, T30
⊕	1025P	PH1, PH2
 276A-04G  2792  2221-06  2142		



29 PC.









## 2331SRV

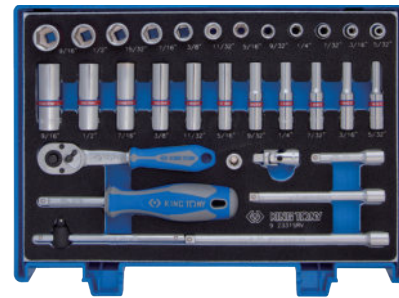
Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm) :  
289 x 230 x 66 (0.154Cuft)

Contents

1.63 kg / 1 / 6

○	2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16
○	2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16
 2771-55G  2571-45  2142		
 2221-02  2221-04  2221-06  2792  2178DF		



31 PC.









## 2534MRV

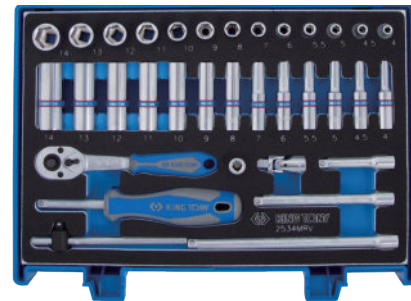
Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm) :  
289 x 230 x 66 (0.154Cuft)

Contents

1.76 kg / 1 / 6

○	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
○	2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
 2771-55G  2571-45  2142		
 2221-02  2221-04  2221-06  2178DF  2792		



34 PC.

## 2044SRV

Plastic case size (mm) :  
389 x 185 x 66 (0.168 Cuft)



2044SRV

## 2544SRV Tray category #10 (375 x 140mm) 1/4"











2544SRV

44 PC.

KT NO.

Contents

1.62 kg / 1 / 10

2044SRV	 2330S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	 2142  2792  2223-02  2223-04
2544SRV	 2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2	 2752-06G  2178DF

# Socket Set

## 2048MRV

Plastic case size (mm) :  
389 x 185 x 66 (0.168 Cuft)



2048MRV

## 2548MRV Tray category #10 (375 x 140mm) 1/4"



2548MRV

48  
PC.

KT NO.	Contents		kg 1.79	1 / 10
2048MRV	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2142 2792	
2548MRV	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2223-02 2223-04 2178DF 2752-06G	
		2235M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 1025S 3, 4.5, 5, 6.5, 8 1025P PH0, PH1, PH2, PH3 1025H H3, H4, H5, H6, H7, H8, H10		

## 2550MRV

Tray category #8 (375 x 187mm) 1/4"

Plastic case size (mm) :  
389 x 230 x 66 (0.208 Cuft)

Contents		kg 2.2	1 / 6
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2375M	E4, E5, E6, E7, E8		
2031	PH1, PH2, PH3, PH4		
2032	4, 5.5, 6.5, 8, 10		
2033	T8, T9, T10, T15, T20, T25, T27, T30, T40		
2035	H3, H4, H5, H6, H7, H8, H10		
2771-55G	2178DF		
2571-45	2792		
2293-04 2293-06	2221-02		



50  
PC.

## 2553MRV

Tray category #10 (375 x 140mm) 1/4"

Plastic case size (mm) :  
389 x 185 x 66 (0.168 Cuft)

Contents		kg 1.67	1 / 10
2335M	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
1025H	H3, H4, H5, H6, H7, H8, H10		
1025S	3, 4.5, 5, 6.5, 8		
1025P	PH0, PH1, PH2, PH3		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
1025Z	PZ1, PZ2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
7702-25	2792  2813		



53  
PC.

Contents	
276A-04G	213312DF
2223-02 2223-04	2745

# Socket Set


















## 2553MRV01

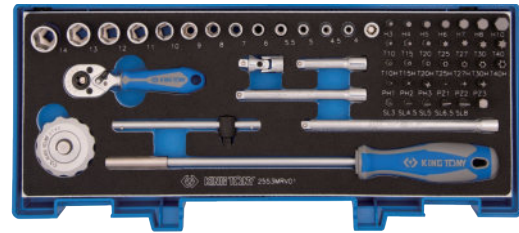
Tray category #10 (375 x 140mm) 1/4"

Plastic case size (mm):  
389 x 185 x 66 (0.168 Cuft)

### Contents

1.87 kg / 1/10

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		1025H	H3, H4, H5, H6, H7, H8, H10
		1025T	T10, T15, T20, T25, T27, T30, T40
		1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
		1025P	PH1, PH2, PH3
		1025Z	PZ1, PZ2, PZ3
		1025S	3, 4.5, 5, 6.5, 8
		7702-25	 276A-04G



55 PC.

### Contents

	2571-45		213312DF
	2221-02		2745
	2221-04		2792
	2221-06		2142





















## 2565MRV

Tray category #7 (280 x 187mm) 1/4"

Plastic case size (mm):  
289 x 230 x 66 (0.154 cuft)

### Contents

2.67 kg / 1/6

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2375M	E4, E5, E6, E7, E8
		2013X	T8, T9, T10, T15, T20, T25, T27, T30, T40
		2015X	3, 4, 5, 6, 8
		2018X	PZ1, PZ2
		2011X	PH1, PH2
		2012X	3.5, 5.5, 8
		1025T	T6, T7
		1025M	M4, M5, M6, M8, M10



65 PC.

### Contents

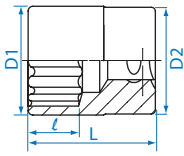
	2792		2813		276A-04G		2221-02
							2221-04
							2221-06



# Standard Socket

**3330M**

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
333006M	6	9.9	17.8	7.0	27	25	12 / 360
333007M	7	10.8	17.8	7.0	27	24	12 / 360
333008M	8	12.0	17.8	7.0	27	25	12 / 360
333009M	9	13.2	17.8	7.0	27	25	12 / 360
333010M	10	14.5	17.8	9.0	27	26	12 / 360
333011M	11	15.8	17.8	9.0	27	27	12 / 360
333012M	12	16.8	17.8	9.0	27	26	12 / 360
333013M	13	17.8	16.8	9.0	27	25	12 / 360
333014M	14	19.7	18.0	11.0	29	33	10 / 300
333015M	15	20.8	18.0	11.0	29	35	10 / 300
333016M	16	21.8	20.0	11.0	29	45	10 / 300
333017M	17	23.8	20.0	11.0	29	48	10 / 200
333018M	18	24.7	21.0	13.0	29	50	10 / 200
333019M	19	25.8	21.0	13.0	29	51	10 / 200
333020M	20	27.1	25.0	13.0	32	83	10 / 160
333021M	21	27.8	25.0	13.0	32	80	10 / 160
333022M	22	29.7	26.0	15.0	32	86	10 / 160
333023M	23	29.7	26.0	15.0	32	80	10 / 160
333024M	24	31.8	26.0	17.0	32	89	8 / 160

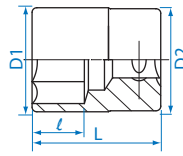
  

KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg
333008S	1/4	10.0	17.8	7.0	27	24	12 / 360
333010S	5/16	12.0	17.8	7.0	27	24	12 / 360
333011S	11/32	13.2	17.8	7.0	27	25	12 / 360
333012S	3/8	14.0	17.8	9.0	27	26	12 / 360
333014S	7/16	15.8	17.8	9.0	27	26	12 / 360
333015S	15/32	16.8	17.8	9.0	27	27	12 / 360
333016S	1/2	17.8	16.8	9.0	27	26	12 / 360
333018S	9/16	19.7	18.0	11.0	29	33	10 / 300
333019S	19/32	20.8	18.0	11.0	29	35	10 / 300
333020S	5/8	21.8	20.0	11.0	29	42	10 / 300
333022S	11/16	23.8	20.0	11.0	29	46	10 / 200
333024S	3/4	25.8	21.0	13.0	29	50	10 / 200
333026S	13/16	27.8	25.0	13.0	32	80	10 / 160
333028S	7/8	29.7	26.0	15.0	32	83	10 / 160
333030S	15/16	31.8	26.0	17.0	34	83	8 / 160
333032S	1	33.8	26.0	17.0	34	96	8 / 160

**3330S** 3/8"

**3335M**

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
333506M	6	9.9	17.8	7.0	27	25	12 / 360
333507M	7	10.8	17.8	7.0	27	24	12 / 360
333508M	8	12.0	17.8	7.0	27	26	12 / 360
333509M	9	13.2	17.8	7.0	27	25	12 / 360
333510M	10	14.5	17.8	9.0	27	28	12 / 360
333511M	11	15.8	17.8	9.0	27	27	12 / 360
333512M	12	16.8	17.8	9.0	27	28	12 / 360
333513M	13	17.8	16.8	9.0	27	26	12 / 360
333514M	14	19.7	18.0	11.0	29	35	10 / 300
333515M	15	20.8	18.0	11.0	29	39	10 / 300
333516M	16	21.8	20.0	11.0	29	43	10 / 300
333517M	17	23.8	20.0	11.0	29	50	10 / 200
333518M	18	24.7	21.0	13.0	29	51	10 / 200
333519M	19	25.8	21.0	13.0	29	53	10 / 200
333520M	20	27.1	25.0	13.0	32	87	10 / 160
333521M	21	27.8	25.0	13.0	32	82	10 / 160
333522M	22	29.7	26.0	15.0	32	89	10 / 160
333523M	23	29.7	26.0	15.0	32	84	10 / 160
333524M	24	31.8	26.0	17.0	32	94	8 / 160

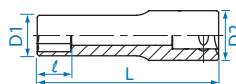
  

KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg
333508S	1/4	10.0	17.8	7.0	27	24	12 / 360
333510S	5/16	12.0	17.8	7.0	27	25	12 / 360
333511S	11/32	13.2	17.8	7.0	27	24	12 / 360
333512S	3/8	14.0	17.8	9.0	27	25	12 / 360
333514S	7/16	15.8	17.8	9.0	27	25	12 / 360
333515S	15/32	16.8	17.8	9.0	27	27	12 / 360
333516S	1/2	17.8	16.8	9.0	27	26	12 / 360
333518S	9/16	19.7	18.0	11.0	29	32	10 / 300
333519S	19/32	20.8	18.0	11.0	29	35	10 / 300
333520S	5/8	21.8	20.0	11.0	29	43	10 / 300
333522S	11/16	23.8	20.0	11.0	29	48	10 / 200
333524S	3/4	25.7	21.0	13.0	29	51	10 / 200
333526S	13/16	27.8	25.0	13.0	32	83	10 / 160
333528S	7/8	29.6	26.0	15.0	32	89	10 / 160
333530S	15/16	31.8	26.0	17.0	34	86	8 / 160
333532S	1	33.8	26.0	17.0	34	101	8 / 160

# Thin Wall Deep Socket

**3215M**

- Specifically for heat plug, glow plug



Thin walled design (D1)

KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
321510M	10	13.0	17.8	12.0	65	49	20 / 240
321512M	12	15.0	17.8	15.0	65	49	20 / 240

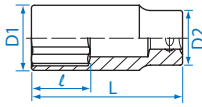
# Deep Socket

KT No. & D1



## 3230M

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



## 3230S 3/8"



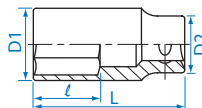
KT NO.	mm	D1 mm	D2 mm	l mm	L mm		
323007M	7	10.8	17.8	10.0	63	55	20 / 320
323008M	8	12.0	17.8	12.0	63	49	18 / 288
323009M	9	13.2	17.8	12.0	63	57	18 / 288
323010M	10	14.5	17.8	12.0	63	57	15 / 240
323011M	11	15.8	17.8	15.0	63	57	15 / 240
323012M	12	16.8	17.8	15.0	63	58	15 / 240
323013M	13	17.8	16.8	15.0	63	57	15 / 240
323014M	14	19.7	18.0	16.0	63	73	12 / 192
323015M	15	20.8	18.0	18.0	63	73	10 / 160
323016M	16	21.8	20.0	18.0	63	87	8 / 128
323017M	17	23.8	20.0	18.0	63	101	8 / 128
323018M	18	24.7	21.0	20.0	63	107	6 / 96
323019M	19	25.8	21.0	20.0	63	113	6 / 96
323021M	21	27.8	25.0	20.0	63	122	6 / 96
323022M	22	29.7	26.0	20.0	63	150	6 / 96
323024M	24	31.8	26.0	25.0	63	158	6 / 120

KT NO.	inch	D1 mm	D2 mm	l mm	L mm		
323008S	1/4	10.0	16.8	10.0	63	48	20 / 320
323010S	5/16	12.0	17.8	12.0	63	48	18 / 288
323012S	3/8	14.0	17.8	12.0	63	53	15 / 240
323014S	7/16	15.8	17.8	15.0	63	54	15 / 240
323016S	1/2	17.8	16.8	15.0	63	58	15 / 240
323018S	9/16	19.7	18.0	16.0	63	74	12 / 192
323020S	5/8	21.8	20.0	18.0	63	88	8 / 128
323022S	11/16	23.8	20.0	18.0	63	98	8 / 128
323024S	3/4	25.8	21.0	20.0	63	111	6 / 96
323026S	13/16	27.8	25.0	20.0	63	125	6 / 96
323028S	7/8	29.7	26.0	21.0	63	158	6 / 96
323030S	15/16	31.8	26.0	22.0	63	170	5 / 80
323032S	1	33.8	26.0	22.0	63	195	5 / 80

## 3235M

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



## 3235S 3/8"



KT NO.	mm	D1 mm	D2 mm	l mm	L mm		
323506M	6	9.9	17.8	10.0	63	51	20 / 320
323507M	7	10.8	17.8	10.0	63	52	20 / 320
323508M	8	12.0	17.8	12.0	63	49	18 / 288
323509M	9	13.2	17.8	12.0	63	53	18 / 288
323510M	10	14.5	17.8	12.0	63	58	15 / 240
323511M	11	15.8	17.8	15.0	63	60	15 / 240
323512M	12	16.8	17.8	15.0	63	68	15 / 240
323513M	13	17.8	16.8	15.0	63	64	15 / 240

323514M	14	19.7	18.0	16.0	63	77	12 / 192
323515M	15	20.8	18.0	18.0	63	75	10 / 160
323516M	16	21.8	19.0	18.0	63	86	8 / 128
323517M	17	23.8	20.0	18.0	63	102	8 / 128
323518M	18	24.7	21.0	20.0	63	112	6 / 96
323519M	19	25.8	21.0	20.0	63	111	6 / 96
323521M	21	27.8	25.0	20.0	63	142	6 / 96
323522M	22	29.7	26.0	20.0	63	167	6 / 96
323524M	24	31.8	26.0	25.0	63	171	6 / 120

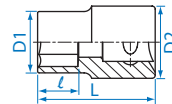
KT NO.	inch	D1 mm	D2 mm	l mm	L mm		
323508S	1/4	10.0	16.8	10.0	63	47	20 / 320
323510S	5/16	12.0	17.8	12.0	63	56	18 / 288
323512S	3/8	14.0	17.8	12.0	63	56	15 / 240
323514S	7/16	15.8	17.8	15.0	63	59	15 / 240
323516S	1/2	17.8	16.8	15.0	63	41	15 / 240
323518S	9/16	19.7	18.0	16.0	63	76	12 / 192
323520S	5/8	21.8	20.0	18.0	63	90	8 / 128
323522S	11/16	23.8	20.0	18.0	63	97	8 / 128
323524S	3/4	25.8	21.0	20.0	63	108	6 / 96
323526S	13/16	27.8	25.0	20.0	63	146	6 / 96
323528S	7/8	29.7	26.0	21	63	166	6 / 96
323530S	15/16	31.8	26.0	22	63	182	5 / 80
323532S	1	33.8	26.0	22	63	206	5 / 80

# Star Socket

## 3375M

3/8"

- DIN 3120

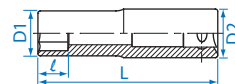


KT NO.	Size	D1 mm	D2 mm	l mm	L mm		
337504M	E4	6.0	16.8	3.6	28	21	12 / 360
337505M	E5	7.0	16.8	4.0	28	21	12 / 360
337506M	E6	8.0	16.8	5.0	28	22	12 / 360
337507M	E7	8.9	16.8	6.0	28	22	12 / 360
337508M	E8	10.0	16.8	6.5	28	23	12 / 360
337510M	E10	12.0	16.8	7.0	28	24	12 / 360
337511M	E11	12.8	16.8	8.0	28	24	12 / 360
337512M	E12	14.3	16.8	9.0	28	26	12 / 360
337514M	E14	15.9	17.8	9.5	28	31	12 / 360
337516M	E16	18.0	19.8	10.5	28	42	10 / 300
337518M	E18	20.0	21.8	11.0	28	55	10 / 300

## 3275M

3/8"

- DIN 3120



KT NO.	Size	D1 mm	D2 mm	l mm	L mm		
327504M	E4	6.0	16.8	3.6	63	45	12 / 240
327505M	E5	7.0	16.8	4.0	63	47	12 / 240
327506M	E6	8.0	16.8	5.0	63	48	12 / 240
327507M	E7	8.9	16.8	6.0	63	49	12 / 240
327508M	E8	10.0	16.8	6.5	63	52	12 / 240
327510M	E10	12.0	16.8	7.0	63	57	12 / 240
327511M	E11	12.8	16.8	8.0	63	59	12 / 240
327512M	E12	14.3	16.8	9.0	63	65	12 / 240
327514M	E14	15.9	16.8	9.5	63	67	12 / 240
327516M	E16	17.8	17.8	10.5	63	77	12 / 240
327518M	E18	19.8	19.8	11.0	63	100	10 / 160



KING TONY Spark Plug Sockets								
Square drive	Type	Size / KT NO.		Rubber I	Magnet	Rubber II	Metal clip	Spring
		Inch	mm					
3/8"	6PT		14			36B014	367014	
			14			36B514	367514	
		5/8"	16	363516	366516		367516	
			18				367518	
	12PT	13/16"	20.8	363521	366521		367521	
			14			36C014		36A014
			14			36D014		
		5/8"	16	363016	366016		367016	
1/2"	6PT		14			463514RC	467514C	
		5/8"	16	463516R	466516		467516	
		13/16"	20.8	463521R	466521		467521	
	12PT		14			463014RC	467014C	
		5/8"	16	463016R	466016		467016	
		13/16"	20.8	463021R	466021		467021	

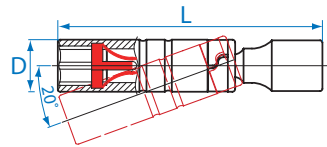
## Metal Clip Universal Joint Spark Plug Socket

### 3650

- Inside sleeve - Metal clip for a firm hold and assembly of the spark plugs
- Universal joint- for working in restricted access and obstructive areas
- 12-point socket enables application on 14mm spark plugs of 6-point and 12-point
- Application: For 14 mm spark plugs e.g. BMW and MERCEDES-BENZ
- DIN 3120



KT NO.	inch	mm	D mm	L mm		
365014A	-	14.0	18.5	94	110	6 / 120
365014B	-	14.0	18.5	155	169	6 / 120
365016A	5/8	16.0	21.0	101	130	6 / 180
365016B	5/8	16.0	21.0	162	185	6 / 120

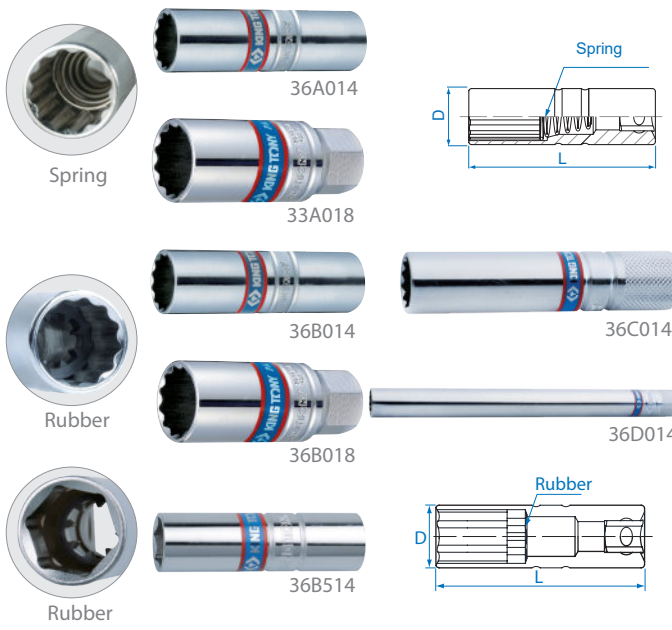


### 36A0

### 36B0

- Inside sleeve - rubber and spring
- DIN 3120
- 36C014 & 36D014 are suitable for BMW, Mini, RENAULT Clio / Twingo / Kangoo type, PEUGEOT 206 1.4 16V, CITROEN C5 HPI

KT NO.	Type	Size mm	D mm	L mm		
36A014	12 points	14.0	18.5	63	65	12 / 192
36A018	12 points	18.0	23.8	63	98	8 / 128
36B514	6 points	14.0	18.5	63	63	12 / 192
36B014	12 points	14.0	18.5	63	59	12 / 192
36B018	12 points	18.0	24.7	65	104	8 / 128
36C014	12 points	14.0	18.5	90	90	12 / 144
36D014	12 points	14.0	18.5	250	297	6 / 54





# Spark Plug Socket

KT No. & D1

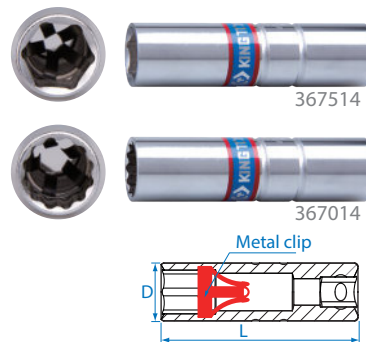
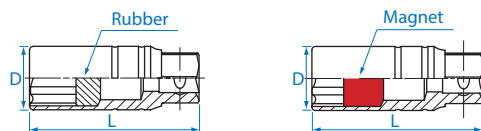


3630		3660		3635		3665	
3670				3675		3/8"	

- 6 / 12 points
- Size combined- 16.0mm (5/8") - 20.8mm (13/16")
- Inside sleeve - rubber / magnet
- DIN 3120



KT NO.	Type	Size Inch	mm	D mm	L mm		
363016	12 points Rubber	5/8	16.0	21	70	85	10 / 200
366016	12 points Magnet	5/8	16.0	21	70	85	10 / 200
363021	12 points Rubber	13/16	20.8	27.7	70	149	12 / 120
366021	12 points Magnet	13/16	20.8	27.7	70	149	12 / 120
363516	6 points Rubber	5/8	16.0	21	70	88	10 / 200
366516	6 points Magnet	5/8	16.0	21	70	89	10 / 200
363521	6 points Rubber	13/16	20.8	27.7	70	153	12 / 120
366521	6 points Magnet	13/16	20.8	27.7	70	155	12 / 120
367014	12 points Metal clip	-	14.0	18.5	63	59	10 / 200
367016	12 points Metal clip	5/8	16.0	21.0	70	83	10 / 200
367018	12 points Metal clip	-	18.0	23.8	63	84	12 / 120
367021	12 points Metal clip	13/16	20.8	27.7	70	167	12 / 120
367514	6 points Metal clip	-	14.0	18.5	63	63	10 / 200
367516	6 points Metal clip	5/8	16.0	21.0	70	86	10 / 200
367518	6 points Metal clip	-	18.0	23.8	63	91	12 / 120
367521	6 points Metal clip	13/16	20.8	27.7	70	169	12 / 120



# Glow Plug Socket & Set

3785M

- The socket has a Sprung-loaded clip with ball bearing end to stop the glow plug from falling out
- Suitable for the removal of glow plugs in most diesel engines

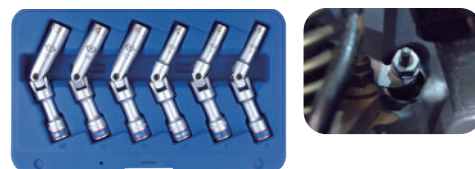


KT NO.	mm	D1 mm	D2 mm	L mm		
378508M	8	13.5	17.8	120	131	10 / 100
378509M	9	13.5	17.8	127	120	10 / 100
378510M	10	13.5	17.8	128	123	10 / 100
378512M	12	17.8	17.8	136	147	10 / 100
378514M	14	17.8	17.8	142	139	10 / 100
378516M	16	19.8	17.8	157	154	10 / 100

3716MR


Blow case size (mm):  
260 x 160 x 64 (0.094 cuft)

6 PC.

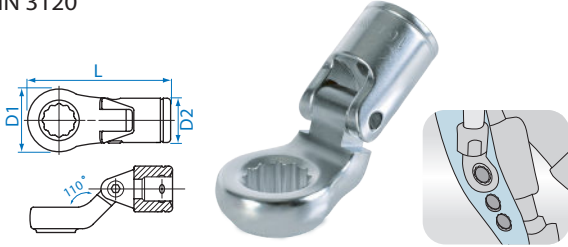


Contents	1.23	1 / 10
3785M	8, 9, 10, 12, 14, 16	

## Flexible Ring Socket Wrench & Set


**3350M** 

- Flexible head folds up to 200°
- Combined with F-handle, handle, T-handle speed-handle
- Suitable for all hydraulic, fuel, oil brake, A/C, auto tool and air line work
- DIN 3120

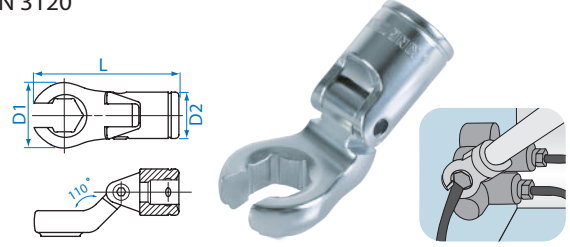


KT NO.	mm	D1 mm	D2 mm	L mm	kg	PC.
335008M	8	15.0	18.8	45.0	44	12 / 360
335009M	9	18.0	18.8	49.0	48	12 / 360
335010M	10	18.0	18.8	49.0	49	12 / 360
335011M	11	22.0	18.8	53.0	58	12 / 360
335012M	12	22.0	18.8	53.0	58	12 / 360
335013M	13	26.0	18.8	60.0	80	12 / 240
335014M	14	26.0	18.8	60.0	82	12 / 240
335015M	15	27.0	18.8	60.0	80	12 / 240
335016M	16	32.0	24.7	73.5	159	6 / 96
335017M	17	33.0	24.7	73.5	159	6 / 96
335018M	18	33.0	24.7	73.5	156	6 / 96
335019M	19	32.0	24.7	73.5	161	6 / 96


## Flexible Crowfoot Socket Wrench & Set

**3351M** 

- Flexible head folds up to 200°
- Combined with F-handle, handle, T-handle speed-handle
- Suitable for all hydraulic, fuel, oil brake, A/C, auto tool and air line work
- DIN 3120



KT NO.	mm	D1 mm	D2 mm	L mm	kg	PC.
335108M	8	15.0	18.8	45.0	45	12 / 360
335109M	9	18.0	18.8	49.0	48	12 / 360
335110M	10	18.0	18.8	49.0	49	12 / 360
335111M	11	22.0	18.8	53.0	57	12 / 360
335112M	12	22.0	18.8	53.0	57	12 / 360
335113M	13	26.0	18.8	60.0	77	12 / 240
335114M	14	26.0	18.8	60.0	76	12 / 240
335115M	15	27.0	18.8	60.0	76	12 / 240
335116M	16	32.0	24.7	73.5	153	6 / 96
335117M	17	33.0	24.7	73.5	152	6 / 96
335118M	18	33.0	24.7	73.5	150	6 / 96
335119M	19	33.3	24.7	73.5	153	6 / 96

**3609MR10** 


- Socket rail 290mmL



Contents  0.99  20


  3350M 8, 10, 12, 13, 14, 16, 17, 18, 19

8731109

**3619MR10** 


- Socket rail 290mmL



Contents  0.89  20

  3351M 8, 10, 12, 13, 14, 16, 17, 18, 19

8731109

**3612MR** 

Metal case size (mm):  
296 x 130 x 41 (0.056 cuft)

Contents  1.89  1 / 10

  3351M 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



# Universal Socket & Set

KT No. & D1



## 3750M

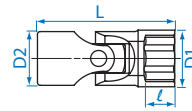
- Chrome vanadium alloy steel
- DIN 3120

KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	⚖️	📦
375010M	10	14.5	18.8	9.0	48.0	56	15 / 240
375011M	11	15.8	18.8	10.0	48.0	57	15 / 240
375012M	12	17.0	18.8	10.0	48.0	57	15 / 240
375013M	13	18.3	18.8	11.0	48.0	56	15 / 240
375014M	14	19.8	18.8	11.0	49.5	60	12 / 192
375015M	15	21.6	18.8	13.0	49.5	66	10 / 160
375016M	16	21.8	18.8	13.0	51.0	63	10 / 160
375017M	17	23.7	18.8	14.0	52.5	71	8 / 128
375018M	18	25.3	18.8	14.0	53.4	75	6 / 96
375019M	19	25.7	18.8	16.0	55.8	72	6 / 96

## 3750S

3/8"

- Chrome vanadium alloy steel



KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	⚖️	📦
375012S	3/8	14.1	18.8	8.5	45.9	56	15 / 240
375014S	7/16	15.9	18.8	10.0	48.9	58	15 / 240
375016S	1/2	18.2	18.8	11.0	47.6	59	15 / 240
375018S	9/16	19.8	18.8	12.5	49.5	60	12 / 192
375020S	5/8	21.5	18.8	13.5	50.5	65	10 / 160
375022S	11/16	23.7	18.8	14.0	52.8	65	8 / 128
375024S	3/4	25.4	18.8	16.5	54.8	74	6 / 96

## 3709MR10

3/8"

- Socket rail 240mmL



9 PC.

Contents 0.6 14

3750M 10, 11, 12, 13, 14, 16, 17, 18, 19

8730909

## 3707SR10

3/8"

- Socket rail 240mmL

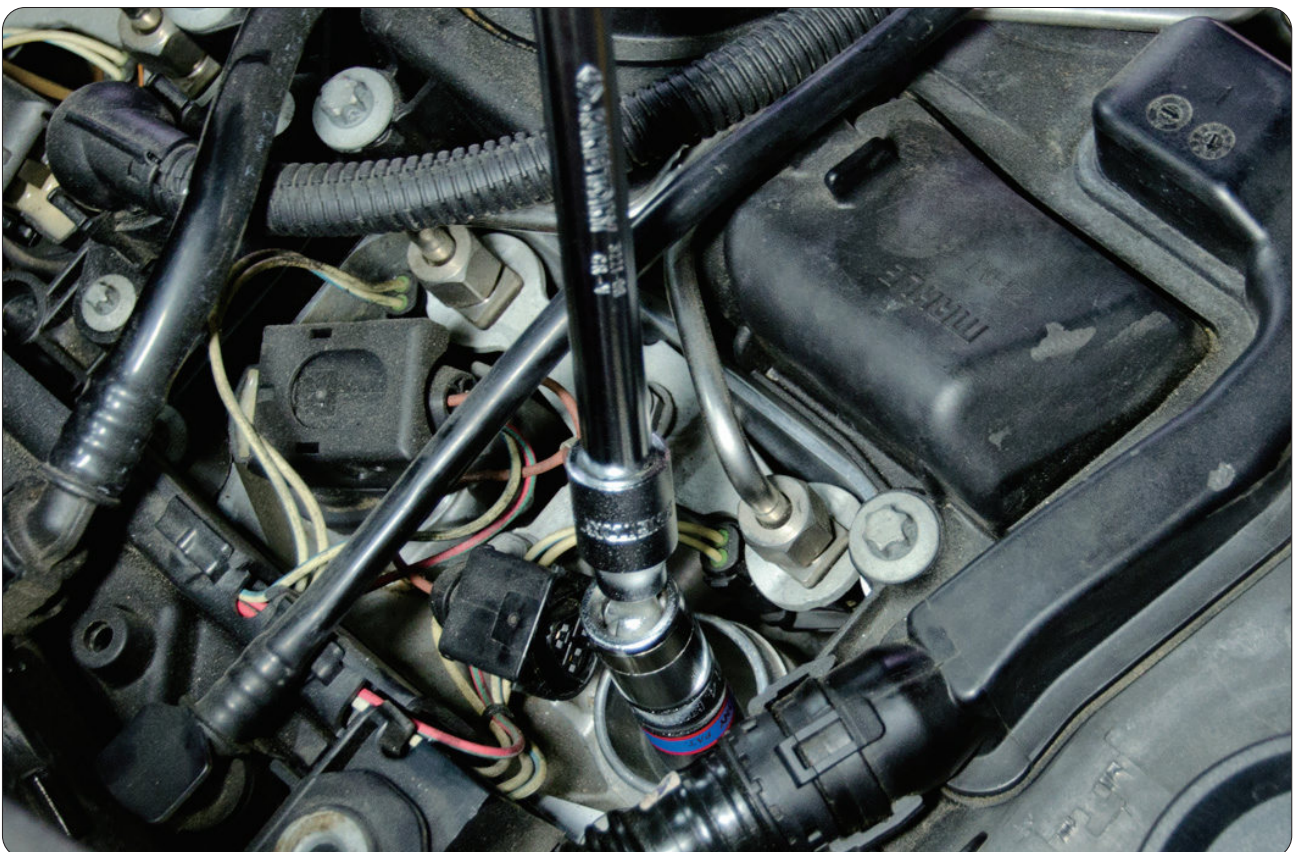


7 PC.

Contents 0.48 14

3750S 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

8730907



# Bit Socket



In order to get normal life of bit socket, always use within limited torque to bit.

## 3021



- Phillips head
- DIN ISO 8764-1



KT NO.	⊕ No.	Overall length mm	⚖	📦/📦
302102	PH2	50	34	20 / 400
302103	PH3	50	34	20 / 400
302104	PH4	50	34	20 / 400

## 3022



- Slotted head
- DIN ISO 8764-1



KT NO.	Tip width mm	Tip thickness mm	Overall length mm	⚖	📦/📦
302205	5	1.0	50	34	20 / 400
302208	8	1.2	50	38	20 / 400
302210	10	1.6	50	46	20 / 400

## 3025



- Hexagon head
- DIN 7422 / 3120



KT NO.	mm	Overall length mm	⚖	📦/📦
302503	H3	50	30	20 / 400
302504	H4	50	34	20 / 400
302505	H5	50	35	20 / 400
302506	H6	50	35	20 / 400
302507	H7	50	39	20 / 400
302508	H8	50	41	20 / 400
302509	H9	50	44	20 / 400
302510	H10	50	50	20 / 400
302512	H12	50	53	20 / 400

## 3023



- For torx internal screw
- DIN 3120



KT NO.	mm	Overall length mm	⚖	📦/📦
302308	T8	50	30	20 / 400
302309	T9	50	30	20 / 400
302310	T10	50	34	20 / 400
302315	T15	50	34	20 / 400
302320	T20	50	33	20 / 400
302325	T25	50	34	20 / 400
302327	T27	50	34	20 / 400
302330	T30	50	35	20 / 400
302340	T40	50	36	20 / 400
302345	T45	50	39	20 / 400
302350	T50	50	40	20 / 400

## 3027



- For tamper resistant torx screw
- DIN 3120



KT NO.	mm	Overall length mm	⚖	📦/📦
302708	T8H	50	33	20 / 400
302709	T9H	50	33	20 / 400
302710	T10H	50	33	20 / 400
302715	T15H	50	34	20 / 400
302720	T20H	50	33	20 / 400
302725	T25H	50	34	20 / 400
302727	T27H	50	34	20 / 400
302730	T30H	50	35	20 / 400
302740	T40H	50	35	20 / 400
302745	T45H	50	39	20 / 400
302750	T50H	50	39	20 / 400

## 3039



- Ribe bit socket
- Use for VW, Audi, Fiat cylinder head bolt
- DIN 3120



KT NO.	size	Overall length mm	⚖	📦/📦
303906	M6	90	70	8 / 160
303907	M7	90	71	8 / 160
303908	M8	90	71	8 / 160
303909	M9	90	88	8 / 160
303910	M10	90	90	8 / 160

## 302D



- For torx plus tamper screw
- IPR20 for the operation of the screwed connection of the plug-in pump on MERCEDES-BENZ Atego and Actros MAZDA 3 1.4 and 1.6
- IPR25 for the screwed connections at the control unit and the air flow sensor on VW
- DIN 3120



KT NO.	mm	Overall length mm	⚖	📦/📦
302D08	IPR8	50	33	20 / 400
302D09	IPR9	50	33	20 / 400
302D10	IPR10	50	33	20 / 400
302D15	IPR15	50	33	20 / 400
302D20	IPR20	50	34	20 / 400
302D25	IPR25	50	34	20 / 400
302D27	IPR27	50	34	20 / 400
302D30	IPR30	50	35	20 / 400
302D40	IPR40	50	36	20 / 400
302D45	IPR45	50	38	20 / 400
302D50	IPR50	50	40	20 / 400
302D55	IPR55	50	48	20 / 400
302D60	IPR60	50	53	15 / 300

# Ratchet

KT No. & D1

## 3725

FINE GEAR 3/8"

- Reversible ratchet
- 8° gear action degree (45 teeth)
- DIN 3122

KT NO.	Overall length		Scales	Pkg
	inch	mm		
3725-08F	8	203	369	2 / 40
3725-08G	8	207	384	2 / 32
3725DK	renewal kits		-	-

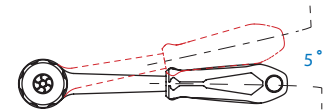


## 3755

FINE GEAR 3/8"

- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length		Scales	Pkg
	inch	mm		
3755-08G	8	200	190	2 / 40
3755DK	renewal kits		-	-

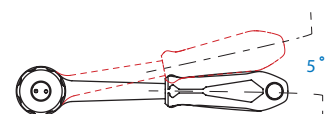


## 3756

QUICK RELEASE FINE GEAR 3/8"

- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122

KT NO.	Overall length		Scales	Pkg
	inch	mm		
3756-08G	8	200	189	2 / 40
3756DK	renewal kits		-	-



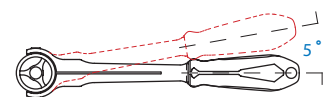
## 3752

QUICK RELEASE FINE GEAR 3/8"

- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners



KT NO.	Overall length		Scales	Pkg
	inch	mm		
3752-09G	9	235	374	2 / 32
3752DK	renewal kits		-	-



## 3760

MINI RATCHET FINE GEAR 3/8"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length		Scales	Pkg
	inch	mm		
3760-45	4-3/8	110	116	6 / 108
3760DK01	renewal kits		-	-



# Ratchet

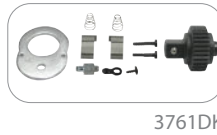


## 3761

**QUICK RELEASE** 3/8"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
3761-08F	8	200	401	2 / 40
3761-08P	8	200	376	2 / 40
3761DK	renewal kits		-	-



3761DK



3761-08F



3761-08P

## 3769

3/8"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
3769-08F	8	200	405	2 / 40
3769-08P	8	200	380	2 / 40
3769DK	renewal kits		-	-



3769DK



3769-08F



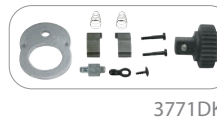
3769-08P

## 3771

**QUICK RELEASE** 3/8"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
3771-08G	8	200	268	2 / 40
3771DK	renewal kits		-	-



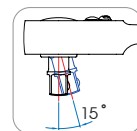
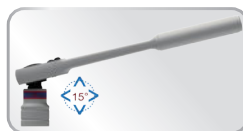
3771DK



## 3774

3/8"

- Universal joint reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122
- 15° rotation



KT NO.	Overall length			
	inch	mm		
3774-08G	8	200	275	2 / 40
3774DK	renewal kits		-	-



3774DK

## 3779

3/8"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
3779-08F	8	200	366	2 / 40
3779-08G	8	200	273	2 / 40
3779DK	renewal kits		-	-



3779DK



3779-08F



3779-08G

# Ratchet

KT No. & D1



## 3781

QUICK RELEASE 3/8"

- Quick release flexible and reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
3781-11F	11	280	467	2 / 40
3781-11P	11	280	445	2 / 40
3781DK	renewal kits		-	-



3781DK



3781-11F



3781-11P

- Material - chrome vanadium alloy steel
- Finishing - polished, chrome plated & black phosphate sunk

# Accessory

## 3221

3/8"

- Extension bar
- DIN 3123



KT NO.	Overall length			
	inch	mm		
3221-16	1-3/4	44	47	12 / 360
3221-03	3	75	77	12 / 240
3221-06	6	150	146	6 / 120
3221-10	10	250	238	6 / 96
3221-18	18	450	324	1 / 50
3221-24	24	600	424	1 / 50

## 3223

3/8"

- Offset extension bar
- Max. torque : 150 N·m
- DIN 3123



The offset extension bar has less strength than normal extension bar. Do not use as a normal extension bar.



KT NO.	Overall length			
	inch	mm		
3223-14	1-1/2	38	40	14 / 224
3223-02	2	50	52	12 / 360
3223-03	3	75	75	12 / 240
3223-06	6	150	144	6 / 120
3223-10	10	250	237	6 / 96

## 3293

3/8"

- Multi-function of extension bar and offset extension bar
- Max. torque : 150 N·m



KT NO.	Overall length			
	inch	mm		
3293-03	3	75	75	12 / 240
3293-06	6	150	143	6 / 120
3293-10	10	250	228	6 / 96

## 3311

3/8"

- Flexible extension bar
- DIN 3120



KT NO.	Overall length			
	inch	mm		
3311-06	6	150	144	5 / 100
3311-12	12	300	168	12 / 108

## 3452

3/8"

- Flexible handle
- Action degree -180°
- DIN 3122



3452DK



KT NO.	Overall length			
	inch	mm		
3452-08F	8	205	291	4 / 80
3452-10F	10	250	310	4 / 64
3452DK	renewal kits		-	-

## 3453

3/8"

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offers 15% lightweight
- DIN 3122



3453DK

KT NO.	Overall length			
	inch	mm		
3453-08F	8	200	221	4 / 80
3453DK	renewal kits		-	-

## 3571

3/8"

- Sliding T-handle
- DIN 3122



KT NO.	Overall length			
	inch	mm		
3571-08	8	200	178	4 / 80



# Accessory

KT No. & D1

**3792**

**3/8"**

- Universal joint
- DIN 3123

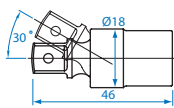


KT NO.	Overall length			
	inch	mm		
3792	2	50	67	15 / 300

**3794**

**3/8"**

- Universal joint
- 30° rotation
- Short pattern design enables greater access in confined spaces



KT NO.	Overall length			
	inch	mm		
3794	1-4/5	46	106	15 / 300

**3812**

**3814**

**3/8"**

- Adapter
- Convert to 1/4" drive or 1/2" drive
- 3812 → Max. torque : 62 N·m
- DIN 3123, ISO 3316

1/4" drive (M) 3/8" drive (F)  
1/2" drive (M)



3812 / 3814

KT NO.	Spec.		
3812	3/8"Fx1/4"M	30	12 / 192
3814	3/8"Fx1/2"M	46	12 / 360

**3148**

**3/8"**

- Bit holder
- DIN 3120 / 3126



KT NO.	Size	Overall length mm		
314808S	1/4"	30	35	12 / 360
314810S	5/16"	30	35	12 / 360
314810M	10 mm	30	35	12 / 360

# Socket Rail Set

**3013MR**

**3013SR**

**3513MR**

**3/8"**

- Socket rail 290mmL



**13 PC.**

KT NO.	Contents	0.52	35
3013MR	3330M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	8731213
3013SR	3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16	
3513MR	3335M	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

**3508MR10**

**3/8"**

- Socket rail 210mmL



**8 PC.**

Contents	0.65	24
3235M	10, 11, 12, 13, 14, 16, 17, 19	8730808

**3106PR**

**3/8"**

- Socket rail 150mmL



**6 PC.**

Contents	0.28	40
3375M	E8, E10, E12, E14, E16, E18	8730606

**3116PR**

**3/8"**

- Socket rail 150mmL



**6 PC.**

Contents	0.39	50
3275M	E4, E5, E8, E10, E12, E14	8730606

**3129PR**

**3/8"**

- Socket rail 210mmL



**9 PC.**

Contents	0.27	40
3375M	E4, E5, E6, E7, E8, E10, E12, E14, E16	8730809



# Socket Rail Set

Packing

3109PR8 / 3119PR8 / 3149PR8 / 3131PR8



## 3121PR 3/8"

- Socket rail 290mmL

11 PC.



Contents 0.32 35

3375M E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18

8731213

## 3108PR8 3/8"

- Socket rail 210mmL
- For hex head screw
- H : 50mm

8 PC.



Contents 0.34 50

3025 H3, H4, H5, H6, H7, H8 H10, H12

8730808

## 3109PR8 3/8"

- Socket rail 210mmL
- For torx head screw
- H : 50mm

9 PC.



Contents 0.36 50

3023 T10, T15, T20, T25, T27, T30, T40, T45, T50

8730809

## 3119PR8 3/8"

- Socket rail 210mmL
- For tamper resistant torx head screw
- H : 50mm

9 PC.



Contents 0.36 50

3027 T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H

8730809

## 3131PR8 3/8"

- Socket rail 210mmL
- For tamper resistant torx head screw
- H : 50mm

11 PC.



Contents 0.4 48

3027 T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H

8730811

## 3146PR 3/8"

- Socket rail 150mmL
- For torx plus tamper resistant head screw
- H : 50mm

6 PC.



Contents 0.36 50

302D IPR10, IPR15, IPR20, IPR25, IPR27, IPR30

8730606

## 3149PR8 3/8"

- Socket rail 210mmL
- For torx plus tamper resistant head screw
- H : 50mm

9 PC.



Contents 0.36 50

302D IPR10, IPR15, IPR20, IPR25, IPR27, IPR30, IPR40, IPR45, IPR50

8730809

## 3105PR 3/8"

- 3/8" + 1/2" drive ribe bit socket set
- Socket rail 150mmL
- For ribe head screw
- H : 100mm

5 PC.



Contents 0.75 30

3039 M7, M8

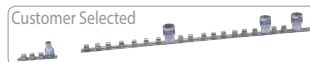
4049 M10, M12, M13

8740606

## Socket Rail

### 873 3/8"

- Rail length from 160 mm to 560 mm



KT NO.	L (mm)
870406	160
870311	280
870422	560
8730	-

### 8730811D1 3/8"

- Socket rail carrier with retaining clip
- 26" roller cabinet



KT NO.	Square drive	Clip	L (mm)
8730811D1	3/8"	11	508



# Extension Bar Set

3113PR

3/8"



3 PC.

Contents

0.5 kg 35

3221 3", 6", 10"

3103PR

3/8"



3 PC.

Contents

0.4 kg 35

3223 3", 6", 10"

# Socket Set

3213MR

3/8"

Contents

0.81 kg 25

3330M 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19

3755-08G 3221-06



13 PC.

3508MR

3/8"

Metal case size (mm):  
203 x 79 x 41 (0.023 cuft)



Contents

1.0 kg 1 / 20

3235M 10, 11, 12, 13, 14, 16, 17, 19

3508SR

3/8"

Metal case size (mm):  
203 x 79 x 41 (0.023 cuft)



8 PC.

Contents

1.0 kg 1 / 20

3235S 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16

3020MR

3020SR

3020MR02

3020SR02

3520MR

3520MR02

3/8"

Metal case size (mm):  
372 x 153 x 40 (0.08 cuft)



3020MR / 3520MR



3020SR

20 PC.

KT NO.	Contents		kg	1 / 6
3020MR	3330M	3769-08F	2.5	1 / 6
3020MR02		3779-08F	2.8	
3020SR	363021	3769-08F	2.5	
3020SR02		3779-08F	2.8	
3520MR	363521	3769-08F	2.5	
3520MR02		3779-08F	2.8	

# Socket Set

## 3023MR

Metal case size (mm) :  
372 x 153 x 40 (0.08 cuft)

KT NO.	Contents	Weight 2.8	Volume 1 / 6
3023MR	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22	3769-08F	3452-08F, 3571-08
3523MR	3335M		3221-03, 3221-06, 3792

## 3523MR

3/8"



22 PC.

## 3024MR

Metal case size (mm) :  
318 x 147 x 46 (0.076 cuft)

KT NO.	Contents	Weight 2.2	Volume 1 / 10
3024MR	3330M 6, 7, 8, 9, 10, 11, 13, 14, 17, 19	3021 PH2, PH3	
3524MR	3335M	3022 5.8	
3024SR	3330S 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	3025 H3, H4, H5, H6, H7, H8, H10	3779-08G, 3221-06, 3792

## 3024SR

## 3524MR

3/8"



24 PC.

3024MR/3524MR



3024SR

## 3027MR

Metal case size (mm) :  
318 x 147 x 46 (0.076 cuft)

KT NO.	Contents	Weight 2.6	Volume 1 / 10
3027MR	3330M 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	3235M	3779-08G
3527MR	3335M	8, 10, 11, 12, 13, 14, 16, 17, 19	3221-03
3027SR	3330S 1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16		3812
	3235S 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16		3792

## 3027SR

## 3527MR

3/8"



26 PC.

3027MR/3527MR



3027SR

## 3034MR

Metal case size (mm) :  
372 x 153 x 40 (0.08 cuft)

KT NO.	Contents	Weight 3.1	Volume 1 / 6
3034MR	3330M 6, 7, 8, 9, 10, 11, 13, 14, 17, 19	3375M E4, E5, E6, E7, E8, E10, E12, E14, E16, E18	
3534MR	3335M	3023 T8, T9, T10, T15, T20, T25, T27, T30, T40, T45	3779-08G, 3452-10F
			3571-08, 3221-03, 3221-06, 3792

## 3534MR

3/8"



36 PC.

# Socket Set

**3036CR**

3/8"

Metal case size (mm) :  
372 x 153 x 40 (0.08 cuft)

Contents

3.27 1 / 6

		3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22
		3330S	1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8
		3769-08F	3452-08F
		3571-08	3221-03 3221-06
		3792	



36  
PC.

**3537MR**

3/8"

Metal case size (mm) :  
372 x 153 x 40 (0.08 cuft)

Contents

3.17 1 / 6

		3023	T8, T9, T10, T15, T20, T25, T27, T30, T40, T45
		3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19
		3375M	E4, E5, E6, E7, E8, E10, E12, E14, E16, E18
		3779-08G	3452-10F
		3571-08	3221-03 3221-06
		3792	



39  
PC.

**3523MRV10**

Tray category #10 (375 x 140mm) 3/8"

Plastic case size (mm) :  
389 x 185 x 66 (0.168 Cuft)

Contents

2.43 1 / 10

		3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24
		3771-08G	3792
		3571-08	3452-08F
		3293-03 3293-06	



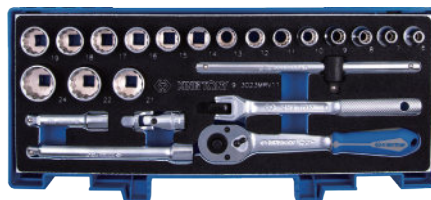
23  
PC.

**3023MRV11**

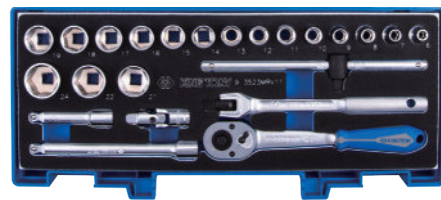
**3523MRV11**

Tray category #10 (375 x 140mm) 3/8"

Plastic case size (mm) :  
389 x 185 x 66 (0.168 Cuft)



3023MRV11



3523MRV11

23  
PC.

KT NO. Contents

2.40 1 / 10







3023MRV11		3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3771-08G		3453-08F
3523MRV11		3335M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3571-08		3293-03 3293-06
					3792		

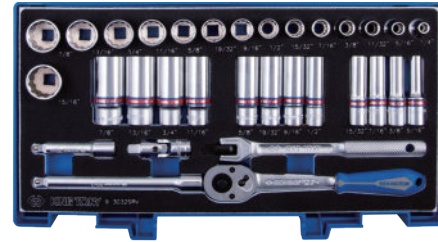
# Socket Set

## 3032SRV

Tray category #8 (375 x 187mm) 3/8"

Plastic case size (mm) :  
389 x 230 x 66 (0.168 Cuft)

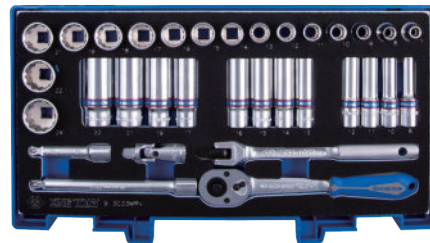
Contents		Kg 3.28	1 / 6
	3230S 5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8		
	3330S 1/4, 5/16, 11/32, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		
	3771-08G		3453-08F
	3293-03 3293-06		3792



32 PC.

## 3033MRV

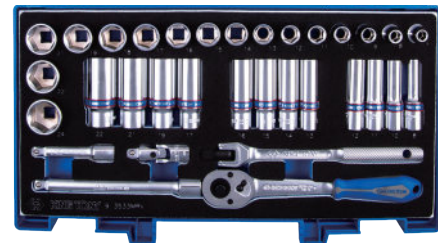
Plastic case size (mm) :  
389 x 230 x 66 (0.168 Cuft)



3033MRV









## 3533MRV

Tray category #8 (375 x 187mm) 3/8"



3533MRV









33 PC.

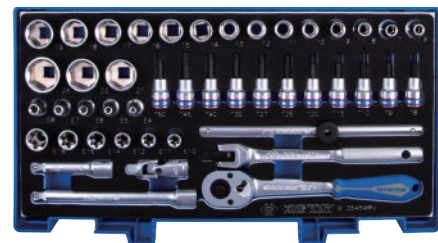
KT NO.	Contents	Kg 3.40	1 / 6
3033MRV	 3330M 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3771-08G
	 3230M 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22		
3533MRV	 3335M 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		3453-08F
	 3235M 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22		
			3792
			3293-03 3293-06

## 3545MRV

Tray category #8 (375 x 187mm) 3/8"

Plastic case size (mm) :  
389 x 230 x 66 (0.168 Cuft)

Contents		Kg 2.47	1 / 6
	3335M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
	3375M E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18		
	3023 T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50		
	3771-08G		3453-08F
	3571-08		3792
			3293-03 3293-06



45 PC.

# Socket Set

## 3054MR

3/8"

Blow case size (mm) :  
340 x 263 x 80 (0.25cuft)

Contents		Kg 3.85	1 / 3
○	3330M	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	
○	3235M	8, 10, 12, 13, 14	
⊙	1025T	T10, T15, T20, T25, T30, T40, T45 T50	
○	3670	16, 21	
⊙	1145MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	
⊕	14A1	PH2 x 100	
⊖	14A2	5.5 x 100	
	1060	8, 10, 12, 13, 14, 17, 19	
	3771-08G	3792	3221-03 3221-06
	314808S	6111-06	



54 PC.

## 3568MR

3/8"

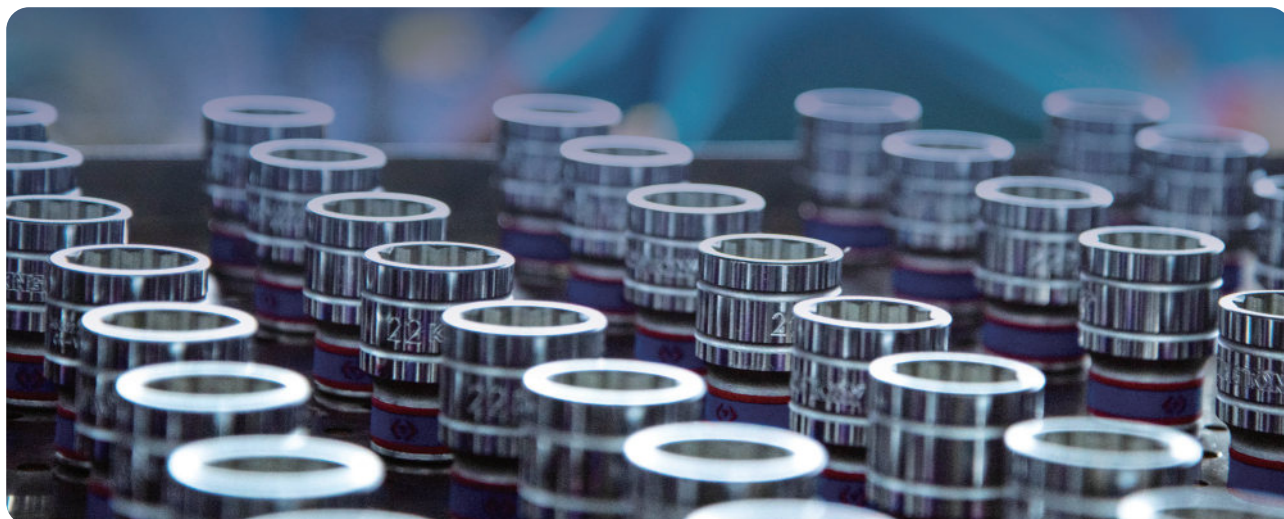
Metal shelf size (mm) :  
415 x 336 x 320 (1.58 cuft)

Contents		Each Q'ty
○	3335M	8, 9, 10, 11, 12, 13 10
		14, 15, 16, 17, 18, 19 8
		21, 22, 23, 24 6
○	3235M	7, 8, 9, 10, 11, 12, 13 10
		14, 15, 16, 17, 18, 19 8
		21, 22, 24 6



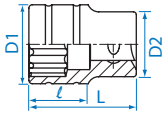
268 PC.

KT NO.	Spec.	Kg 6.85	Cuft 0.67
3568MR-A	87102	6.85	0.67
3568MR-D	268 PC. socket content	16.93	0.38





# Standard Socket

## 4330MR



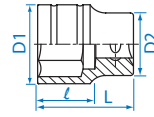
## 4330SR 1/2"



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
433008MR	8	13.2	23.3	7.0	38	53	10 / 200
433009MR	9	14.0	23.3	7.0	38	52	10 / 200
433010MR	10	15.0	23.3	8.0	38	51	10 / 200
433011MR	11	16.4	23.3	8.0	38	54	10 / 200
433012MR	12	17.8	23.3	9.0	38	54	10 / 200
433013MR	13	19.0	23.3	10.0	38	58	10 / 200
433014MR	14	20.4	23.3	11.0	38	60	10 / 200
433015MR	15	21.6	23.3	11.0	38	61	10 / 200
433016MR	16	22.5	23.3	11.0	38	61	10 / 200
433017MR	17	24.0	23.2	12.0	38	62	10 / 200
433018MR	18	25.2	23.2	13.0	38	69	10 / 200
433019MR	19	27.0	23.2	13.0	38	72	10 / 160
433020MR	20	27.9	23.2	13.0	38	74	10 / 160
433021MR	21	28.9	23.2	14.0	38	78	10 / 160
433022MR	22	30.2	24.0	15.0	40	90	10 / 160
433023MR	23	31.2	25.0	15.0	40	92	8 / 160
433024MR	24	32.1	26.0	17.0	42	101	8 / 160
433025MR	25	33.4	27.0	17.0	42	107	8 / 160
433026MR	26	35.0	28.0	17.0	42	125	6 / 120
433027MR	27	36.6	28.0	19.0	42	130	6 / 120
433028MR	28	37.8	30.0	20.0	42	142	6 / 120
433029MR	29	39.0	30.0	21.0	44	161	6 / 120
433030MR	30	40.0	29.5	21.0	44	156	6 / 120
433032MR	32	42.5	30.0	23.0	44	163	6 / 120
433033MR	33	43.0	30.0	24.0	46	173	6 / 96
433034MR	34	45.0	30.0	24.0	46	207	6 / 96
433036MR	36	47.0	33.0	24.0	46	236	6 / 96



KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm		
433010SR	5/16	13.2	21.8	7.0	38	41	10 / 200
433012SR	3/8	15.0	21.8	7.0	38	44	10 / 200
433013SR	13/32	15.0	23.3	7.0	38	51	10 / 200
433014SR	7/16	16.4	23.3	8.0	38	53	10 / 200
433015SR	15/32	18.0	23.3	8.0	38	55	10 / 200
433016SR	1/2	19.0	23.3	10.0	38	57	10 / 200
433018SR	9/16	20.4	23.3	11.0	38	59	10 / 200
433019SR	19/32	21.6	23.3	11.0	38	60	10 / 200
433020SR	5/8	22.5	23.3	11.0	38	62	10 / 200
433022SR	11/16	24.0	23.2	12.0	38	60	10 / 200
433024SR	3/4	27.0	23.2	13.0	38	73	10 / 160
433025SR	25/32	28.0	23.2	13.0	38	75	10 / 160
433026SR	13/16	28.6	23.2	13.0	38	79	10 / 160
433028SR	7/8	30.2	24.0	15.0	40	87	10 / 160
433030SR	15/16	32.6	26.0	17.0	42	105	8 / 160
433032SR	1	34.8	26.8	17.0	42	119	8 / 160
433034SR	1-1/16	36.6	28.0	19.0	42	133	6 / 120
433036SR	1-1/8	39.0	30.0	21.0	44	158	6 / 120
433038SR	1-3/16	40.0	29.5	21.0	44	156	6 / 120
433040SR	1-1/4	42.5	30.0	23.0	44	173	6 / 120
433044SR	1-3/8	46.0	33.0	24.0	46	243	6 / 96



## 4335MR



## 4335SR 1/2"



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
433506MR	6	12.0	23.3	7.0	38	51	10 / 200
433507MR	7	12.6	23.3	7.0	38	51	10 / 200
433508MR	8	13.2	23.3	7.0	38	52	10 / 200
433509MR	9	14.0	23.3	7.0	38	51	10 / 200
433510MR	10	15.0	23.3	8.0	38	51	10 / 200
433511MR	11	16.4	23.3	8.0	38	54	10 / 200
433512MR	12	17.8	23.3	9.0	38	56	10 / 200
433513MR	13	19.0	23.3	10.0	38	58	10 / 200
433514MR	14	20.4	23.3	11.0	38	61	10 / 200
433515MR	15	21.6	23.3	11.0	38	62	10 / 200
433516MR	16	22.5	23.3	11.0	38	63	10 / 200
433517MR	17	24.0	23.2	12.0	38	63	10 / 200
433518MR	18	25.2	23.2	13.0	38	66	10 / 200
433519MR	19	27.0	23.2	13.0	38	74	10 / 160
433520MR	20	27.9	23.2	13.0	38	76	10 / 160
433521MR	21	28.9	23.2	14.0	38	79	10 / 160
433522MR	22	30.2	24.0	15.0	40	90	10 / 160
433523MR	23	31.2	25.0	15.0	40	99	8 / 160
433524MR	24	32.1	26.0	17.0	42	108	8 / 160
433525MR	25	33.4	27.0	17.0	42	118	8 / 160
433526MR	26	35.0	28.0	17.0	42	130	6 / 120
433527MR	27	36.6	28.0	19.0	42	141	6 / 120
433528MR	28	37.8	30.0	20.0	42	154	6 / 120
433529MR	29	39.0	30.0	21.0	44	165	6 / 120
433530MR	30	40.0	29.5	21.0	44	164	6 / 120
433532MR	32	42.5	30.0	23.0	44	180	6 / 120
433533MR	33	43.0	30.0	24.0	46	185	6 / 96
433534MR	34	45.0	30.0	24.0	46	206	6 / 96
433536MR	36	47.0	33.0	24.0	46	251	6 / 96
433538MR	38	49.0	34.0	25.0	50	268	6 / 60
433539MR	39	50.0	34.0	25.0	50	291	6 / 60
433541MR	41	53.0	36.0	27.0	53	336	6 / 36
433546MR	46	59.0	40.0	30.0	58	453	4 / 32

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm		
433510SR	5/16	13.2	21.8	7.0	38	44	10 / 200
433512SR	3/8	15.0	21.8	7.0	38	45	10 / 200
433514SR	7/16	16.4	23.3	8.0	38	54	10 / 200
433515SR	15/32	18.0	23.3	8.0	38	56	10 / 200
433516SR	1/2	19.0	23.3	10.0	38	58	10 / 200
433518SR	9/16	20.4	23.3	11.0	38	59	10 / 200
433519SR	19/32	21.6	23.3	11.0	38	61	10 / 200
433520SR	5/8	22.5	23.3	11.0	38	62	10 / 200
433522SR	11/16	24.0	23.2	12.0	38	62	10 / 200
433524SR	3/4	27.0	23.2	13.0	38	75	10 / 160
433525SR	25/32	28.0	23.2	13.0	38	77	10 / 160
433526SR	13/16	28.6	23.2	13.0	38	80	10 / 160
433528SR	7/8	30.2	24.0	15.0	40	92	10 / 160
433530SR	15/16	32.6	26.0	17.0	42	113	8 / 160
433532SR	1	34.8	26.8	17.0	42	124	8 / 160
433534SR	1-1/16	36.6	28.0	19.0	42	138	6 / 120
433536SR	1-1/8	39.0	30.0	21.0	44	166	6 / 120
433538SR	1-3/16	40.0	29.5	21.0	44	168	6 / 120
433540SR	1-1/4	42.5	30.0	23.0	44	176	6 / 120

# Socket Set

4072MR

4072SR

4572MR

4572SR

1/2"

Metal shelf size (mm) :  
415x 336 x 320 (1.58 cuft)



4072MR / 4572MR

KT NO.	PC.		Contents	Each Qty	
4072MR	172		4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	8
				19, 20, 21, 22, 23, 24, 25	7
4572MR	172		4335MR	26, 27, 28, 29, 30,	6
				32	5
4072SR	136		4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16	8
				3/4, 25/32, 13/16, 7/8, 15/16	7
4572SR	136		4335SR	1, 1-1/16, 1-1/8, 1-3/16	6
				1-1/4	5

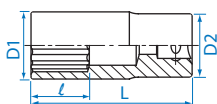
KT NO.	Spec.		Cuft
4072MR -A 4572MR	87103	6.37	0.67
4072MR -D 4572MR	172 PC. socket content	17.73	0.38
4072SR -A 4572SR	87103	6.37	0.67
4072SR -D 4572SR	136 PC. socket content	13.00	0.28

## Deep Socket

4230M

4230S 1/2"

- Metric-DIN 3124, ISO 2725-1
- Inch-ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm		
423008M	8	13.2	22.0	16	77	79	6 / 120
423009M	9	14.0	22.0	16	77	79	6 / 120
423010M	10	15.2	23.7	24	77	99	6 / 120
423011M	11	16.3	23.7	24	77	104	6 / 120
423012M	12	17.7	23.7	24	77	110	6 / 120
423013M	13	18.7	23.7	24	77	114	6 / 120
423014M	14	20.2	23.7	35	77	121	6 / 120
423015M	15	21.3	23.7	35	77	120	6 / 120
423016M	16	22.6	23.7	35	77	128	6 / 96
423017M	17	23.7	23.2	35	77	122	6 / 96
423018M	18	25.5	23.2	35	77	141	6 / 96
423019M	19	25.7	23.2	35	77	126	6 / 96
423020M	20	27.7	24.0	35	77	150	6 / 96
423021M	21	27.7	25.0	35	77	148	6 / 96
423022M	22	29.8	26.0	35	77	175	6 / 96

KT NO.	mm	D1 mm	D2 mm	l mm	L mm		
423023M	23	31.2	27.5	35	77	210	5 / 60
423024M	24	31.8	28.5	35	77	204	5 / 60
423025M	25	33.4	29.5	35	77	239	5 / 60
423026M	26	34.8	30.5	35	77	220	5 / 60
423027M	27	36.6	31.5	34	77	253	5 / 60
423028M	28	37.8	32.5	34	77	308	5 / 50
423029M	29	38.8	33.5	34	77	273	5 / 50
423030M	30	39.8	34.5	34	77	276	5 / 50
423032M	32	41.8	36.0	34	77	309	5 / 50
423033M	33	43.8	38.5	35	77	356	5 / 50
423034M	34	44.8	38.5	35	77	422	5 / 50
423036M	36	46.8	40.5	36	77	462	2 / 40

KT NO.	inch	D1 mm	D2 mm	l mm	L mm		
423010S	5/16	13.2	22.0	9	77	92	6 / 120
423012S	3/8	14.7	22.0	10	77	82	6 / 120
423014S	7/16	16.3	23.7	12	77	98	6 / 120
423016S	1/2	18.7	23.7	14	77	114	6 / 120
423018S	9/16	20.2	23.7	15	77	119	6 / 120
423020S	5/8	22.6	23.7	17	77	129	6 / 96
423022S	11/16	23.7	23.2	35	77	124	6 / 96
423024S	3/4	25.7	23.2	35	77	128	6 / 96
423026S	13/16	27.7	25.0	37	77	151	6 / 96
423028S	7/8	29.8	26.0	37	77	170	6 / 96
423030S	15/16	31.8	28.5	37	77	208	5 / 60
423032S	1	33.8	29.5	37	77	233	5 / 60
423034S	1-1/16	36.6	31.5	28	77	247	5 / 60
423036S	1-1/8	37.8	32.5	28	77	254	5 / 50
423038S	1-3/16	39.8	34.5	34	77	285	5 / 50
423040S	1-1/4	41.8	36.0	34	77	305	5 / 50



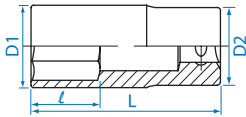
# Deep Socket




KT No. & D1

4235M

4235S 

- Metric-DIN 3124, ISO 2725-1
- ANSI / ASME B107.1



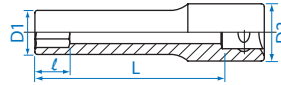
KT NO.		D1 mm	D2 mm	l mm	L mm		
423508M	8	13.2	22.0	16	77	90	6 / 120
423509M	9	14.0	22.0	16	77	81	6 / 120
423510M	10	15.2	23.7	24	77	102	6 / 120
423511M	11	16.3	23.7	24	77	103	6 / 120
423512M	12	17.7	23.7	24	77	113	6 / 120
423513M	13	18.7	23.7	24	77	119	6 / 120
423514M	14	20.2	23.7	35	77	121	6 / 120
423515M	15	21.3	23.7	35	77	126	6 / 120
423516M	16	22.6	23.7	35	77	130	6 / 96
423517M	17	23.7	23.2	35	77	127	6 / 96
423518M	18	25.5	23.2	35	77	149	6 / 96
423519M	19	25.7	23.2	35	77	133	6 / 96
423520M	20	27.7	24.0	35	77	158	6 / 96
423521M	21	27.7	25.0	35	77	155	6 / 96
423522M	22	29.8	26.0	35	77	185	6 / 96
423523M	23	31.2	27.5	35	77	218	5 / 60
423524M	24	31.8	28.5	35	77	211	5 / 60
423525M	25	33.4	29.5	35	77	251	5 / 60
423526M	26	34.8	30.5	35	77	236	5 / 60
423527M	27	36.6	31.5	34	77	261	5 / 60
423528M	28	37.8	32.5	34	77	281	5 / 50
423529M	29	38.8	33.5	34	77	292	5 / 50
423530M	30	39.8	34.5	34	77	301	5 / 50
423532M	32	41.8	36.0	34	77	330	5 / 50
423533M	33	43.8	38.5	35	77	373	5 / 50
423534M	34	44.8	38.5	35	77	450	5 / 50
423536M	36	46.8	40.5	36	77	478	2 / 40
423538M	38	49.0	40.5	38	77	504	2 / 40
423541M	41	53.0	40.5	40	77	521	2 / 24




KT NO.		D1 mm	D2 mm	l mm	L mm		
423510S	5/16	13.2	22.0	16	77	90	6 / 120
423512S	3/8	14.7	22.0	16	77	84	6 / 120
423514S	7/16	16.3	23.7	24	77	104	6 / 120
423516S	1/2	18.7	23.7	24	77	116	6 / 120
423518S	9/16	20.2	23.7	35	77	123	6 / 120
423520S	5/8	22.6	23.7	35	77	130	6 / 96
423522S	11/16	23.7	23.2	35	77	124	6 / 96
423524S	3/4	25.7	23.2	35	77	131	6 / 96
423526S	13/16	27.7	25.0	35	77	157	6 / 96
423528S	7/8	29.8	26.0	35	77	181	6 / 96
423530S	15/16	31.8	28.5	35	77	218	5 / 60
423532S	1	33.8	29.5	35	77	223	5 / 60
423534S	1-1/16	36.6	31.5	34	77	266	5 / 60
423536S	1-1/8	37.8	32.5	34	77	262	5 / 50
423538S	1-3/16	39.8	34.5	34	77	296	5 / 50
423540S	1-1/4	41.8	36.0	34	77	327	5 / 50
423542S	1-5/16	44.0	38.5	35	77	430	5 / 50
423544S	1-3/8	46.0	38.5	35	77	452	2 / 40
423546S	1-7/16	47.5	40.5	36	77	485	2 / 40
423548S	1-1/2	49.0	40.5	38	77	507	2 / 40

4245M

EXTENDED LENGTH 

- DIN 3120

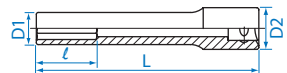





KT NO.		D1 mm	D2 mm	l mm	L mm		
424508M	8	13.2	22.0	9.0	90	104	6 / 120
424509M	9	14.0	22.0	10.0	90	106	6 / 120
424510M	10	15.2	23.7	11.0	90	130	6 / 120
424512M	12	17.7	23.7	13.0	90	152	6 / 120
424513M	13	18.7	23.7	14.0	90	151	6 / 120
424514M	14	20.2	23.7	15.0	90	159	6 / 120

4255M

EXTENDED LENGTH 

- DIN 3120



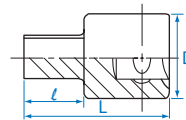
KT NO.		D1 mm	D2 mm	l mm	L mm		
425508M	8	13.2	22.0	9	120	127	6 / 96
425509M	9	14.0	22.0	10	120	134	6 / 96
425510M	10	15.2	23.7	11	120	160	6 / 96
425512M	12	17.7	23.7	13	120	195	6 / 96
425513M	13	18.7	23.7	14	120	201	6 / 96
425514M	14	20.2	23.7	15	120	202	6 / 96





# Square Socket

4014M



- DIN 3120



KT NO.			D mm	l mm	L mm		
401408M	RB8.0		23.5	13.5	35	54	10 / 200
401409M	RB9.5	3/8	23.5	13.5	35	58	10 / 200
401410M	RB10.0		23.5	13.5	35	57	10 / 200
401411M	RB10.5		23.5	13.5	35	58	10 / 200
401412M	RB12.0		23.5	13.5	35	62	10 / 200
401413M	RB12.7	1/2	23.5	13.5	35	64	10 / 200
401414M	RB13.5		23.5	13.5	35	67	10 / 200
401419M	RB19.0		25.0	15.5	40	108	10 / 160

# Deep Socket Set

4066MR

4066SR

4566MR

1/2"

Metal shelf size (mm) :  
415x 336 x 320 (1.58 cuff)



4066MR / 4566MR

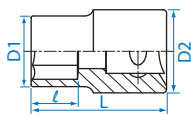
KT NO.	PC.		Contents	Each Q'ty	KT NO.	Spec.		Cuff
4066MR	165		8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 19, 20, 21, 22, 23, 24	8 7	4066MR-A 4566MR	87103	5.87	0.62
4566MR	165		26, 27, 28, 29, 30 32	6 5	4066MR-D 4566MR	165 PC. socket content	30.70	0.63
4066SR	114		5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16	8	4066SR -A	87103	5.87	0.62
			3/4, 13/16, 7/8, 15/16, 1	7				
			1-1/16, 1-1/8, 1-3/16	6				
			1-1/4	5				
4066SR -D			114 PC. socket content	21.0	0.47			

# Star Socket

4375M

1/2"

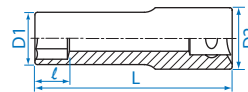
- For torx external screw
- Chrome vanadium steel
- Polished, chrome plated
- DIN 3120



4275M

1/2"

- Long type
- Chrome vanadium steel
- Polished, chrome plated
- DIN 3120



KT NO.		mm	D1 mm	D2 mm	ℓ mm	L mm		
437508M	E08	11.4	23.8	7.0	37	52	10	200
437510M	E10	13.2	23.8	7.5	37	55	10	200
437511M	E11	14.0	23.8	8.0	37	57	10	200
437512M	E12	15.0	23.8	9.0	37	58	10	200
437514M	E14	16.4	23.8	10.0	37	59	10	200
437516M	E16	18.8	23.8	11.0	37	63	10	200
437518M	E18	20.5	23.8	12.5	39	68	10	200
437520M	E20	22.8	23.8	14.0	39	72	10	200
437522M	E22	24.6	23.8	16.0	39	78	10	200
437524M	E24	26.5	23.8	16.0	39	85	10	160

KT NO.		mm	D1 mm	D2 mm	ℓ mm	L mm		
427508M	E08	11.4	23.8	7.0	77	106	6	120
427510M	E10	13.2	23.8	7.5	77	112	6	120
427512M	E12	15.0	23.8	9.0	77	121	6	120
427514M	E14	16.4	23.8	10.0	77	127	6	120
427516M	E16	18.8	23.8	11.0	77	143	6	120
427518M	E18	20.5	23.8	12.5	77	148	6	120
427520M	E20	22.8	23.8	14.0	77	161	6	120
427522M	E22	24.6	23.8	16.0	77	178	6	96
427524M	E24	26.5	23.8	16.0	77	197	6	96

# Spark Plug Socket

KT No. & D1



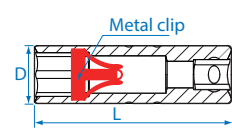
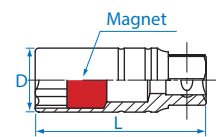
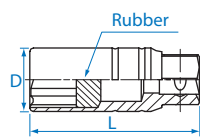
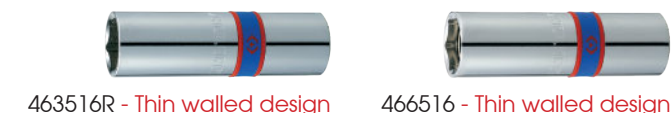
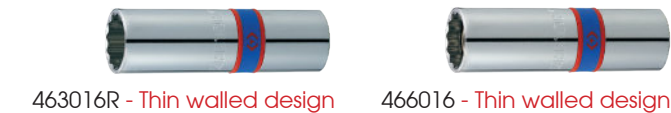
HAND SOCKET & ACCESSORIES

- 4630
- 4660
- 4635
- 4665
- 4670
- 4675

- 6 / 12 points
- Size combined
  - 16.0mm (5/8")
  - 20.8mm (13/16")
- Inside sleeve
  - rubber
  - magnet
- DIN 3120
- 14mm use for Toyota Yaris, Vios



KT NO.	Type	Size		D mm	L mm	G	H	I	J
		Inch	mm						
463014RC	12 points Rubber	-	14.0	19.05	70	70	12	240	
463016R	12 points Rubber	5/8	16.0	20.75	70	72	10	200	
466016	12 points Magnet	5/8	16.0	20.75	70	74	10	200	
463514RC	6 points Rubber	-	14.0	19.05	70	70	12	240	
463516R	6 points Rubber	5/8	16.0	20.75	70	76	10	200	
466516	6 points Magnet	5/8	16.0	20.75	70	77	10	200	
463021R	12 points Rubber	13/16	20.8	27.7	70	142	12	120	
466021	12 points Magnet	13/16	20.8	27.7	70	139	12	120	
463521R	6 points Rubber	13/16	20.8	27.7	70	148	12	120	
466521	6 points Magnet	13/16	20.8	27.7	70	150	12	120	
467014C	12 points Metal clip	-	14.0	19.05	70	70	12	240	
467016	12 points Metal clip	5/8	16.0	20.75	70	73	10	200	
467021	12 points Metal clip	13/16	20.8	27.7	70	121	12	120	
467514C	6 points Metal clip	-	14.0	19.05	70	70	12	240	
467516	6 points Metal clip	5/8	16.0	20.75	70	74	10	200	
467521	6 points Metal clip	13/16	20.8	27.7	70	162	12	120	



# Spark Plug Socket Set

P4003PR

P4503PR

KT NO.	Contents	Kg 0.73	1 / 24
P4003PR	467014C  467016  467021		
P4503PR	467514C  467516  467521		

package : dual blister



# Bit Socket



In order to get normal life of bit socket, always use within limited torque to bit.

## 4021

⊕ 1/2"

- Phillips head
- DIN ISO 8764-1



KT NO.	⊕ No.	Overall length mm		
402102	PH2	60	67	10 / 180
402103	PH3	60	77	10 / 180
402104	PH4	60	68	10 / 180

## 4025

## 4035

## 40D5

⊙ 1/2"

- Hexagon head
- DIN 7422



KT NO.	⊙ mm / Inch	Overall length mm		
402503	H3	60	65	10 / 180
402504	H4	60	65	10 / 180
402505	H5	60	66	10 / 180
402506	H6	60	68	10 / 180
402507	H7	60	67	10 / 180
402508	H8	60	70	10 / 180
402509	H9	60	78	10 / 180
402510	H10	60	80	10 / 180
402512	H12	60	94	10 / 180
402514	H14	60	114	10 / 180
402517	H17	66	166	10 / 100
402519	H19	66	225	10 / 120
403504	H4	80	74	6 / 120
403505	H5	80	75	6 / 120
403506	H6	80	77	6 / 120
403507	H7	80	77	6 / 120
403508	H8	80	80	6 / 120
403509	H9	80	91	6 / 120
403510	H10	80	93	6 / 120
403511	H11	80	111	6 / 120
403512	H12	80	113	6 / 120
403514	H14	80	140	6 / 120
403517	H17	80	193	6 / 120
403519	H19	80	259	6 / 96
40D506	H6	140	101	6 / 120
40D508	H8	140	102	6 / 120
40D510	H10	140	131	6 / 120
402506S	3/16	60	66	10 / 180
402507S	7/32	60	68	10 / 180
402508S	1/4	60	69	10 / 180
402509S	9/32	60	71	10 / 180
402510S	5/16	60	76	10 / 180
402512S	3/8	60	79	10 / 180
402514S	7/16	60	92	10 / 180
402516S	1/2	60	110	10 / 180
402518S	9/16	66	156	12 / 120
402520S	5/8	66	162	12 / 120
402524S	3/4	66	226	10 / 120

## 4022

⊖ 1/2"

- Slotted head
- DIN ISO 5264 / 3120



KT NO.	Tip width mm	Tip thickness mm	Overall length mm		
402208	8	1.2	60	68	10 / 180
402210	10	1.6	60	75	10 / 180
402212	12	2.0	60	89	10 / 180
402214	14	2.5	60	104	10 / 180
402216	16	2.5	60	104	10 / 180

## 40D0

⬡ 1/2"

- Hexagon with ball point head



KT NO.	⬡ mm	Overall length mm		
40D006	H6	140	101	6 / 120
40D008	H8	140	103	6 / 120
40D010	H10	140	132	6 / 120

## 4026

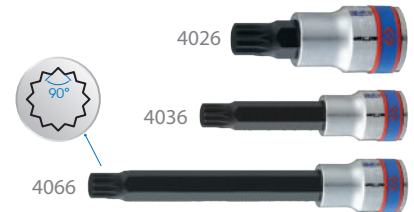
## 4036

⊙ 1/2"

## 4046

## 4066

- Spline head
- DIN 3120



KT NO.	⊙ Size	Overall length mm		
402605	M5	60	69	10 / 180
402606	M6	60	67	10 / 180
402608	M8	60	70	10 / 180
402610	M10	60	78	10 / 180
402612	M12	60	91	10 / 180
402614	M14	60	108	10 / 180
402616	M16	60	144	10 / 120
402618	M18	60	195	10 / 120
403605	M5	80	75	6 / 120
403606	M6	80	76	6 / 120
403608	M8	80	76	6 / 120
403610	M10	80	91	6 / 120
403612	M12	80	110	6 / 120
403614	M14	80	135	6 / 120
404605	M5	100	83	6 / 120
404607	M7	100	84	6 / 120
404608	M8	100	85	6 / 120
404610	M10	100	105	6 / 120
404612	M12	100	128	6 / 120
404614	M14	100	161	6 / 120
406608	M8	140	102	6 / 120
406609	M9	140	131	6 / 120
406610	M10	140	130	6 / 120
406612	M12	140	168	6 / 120
406614	M14	140	212	6 / 120
406616	M16	140	301	6 / 72

# Bit Socket

KT No. & D1



HAND SOCKET & ACCESSORIES

KING TONY

## 404108



- Spline head
- DIN 3120
- Use for Toyota Tercel cylinder head bolt



KT NO.	Size	Overall length mm	Weight	Quantity
404108	M8.9	100	123	6 / 120

## 402A



- Pentagon head
- For using on most vehicles fitting brake system



KT NO.	Size	Overall length mm	Weight	Quantity
402A10	10	60	89	10 / 180

## 402B



- Spline head
- Tamper resistant type
- For gearbox and pump plugs of Audi A4/A6/A3, Golf IV/LT of VW



KT NO.	Size	Overall length mm	Weight	Quantity
402B16	M16	66	151	10 / 120
402B18	M18	66	204	10 / 120

## 4049



- Use for VW, Audi, Fiat cylinder head bolt



KT NO.	Size	Overall length mm	Weight	Quantity
404904	M4	100	81	6 / 120
404905	M5	100	83	6 / 120
404906	M6	100	83	6 / 120
404907	M7	100	83	6 / 120
404908	M8	100	84	6 / 120
404909	M9	100	102	6 / 120
404910	M10	100	103	6 / 120
404925	M10.5	100	102	6 / 120
404912	M12	100	127	6 / 120
404913	M13	100	156	6 / 120
404914	M14	100	159	6 / 120
404916	M16	100	215	6 / 120

## 4027

- For tamper resistant torx screw
- DIN 3120



4027



4037

KT NO.	Size	Overall length mm	Weight	Quantity
402720	T20H	60	65	10 / 180
402725	T25H	60	66	10 / 180
402727	T27H	60	66	10 / 180
402730	T30H	60	66	10 / 180
402740	T40H	60	67	10 / 180
402745	T45H	60	70	10 / 180
402750	T50H	60	68	10 / 180
402755	T55H	60	77	10 / 180
402760	T60H	60	105	10 / 180
403720	T20H	80	74	6 / 120
403725	T25H	80	73	6 / 120
403727	T27H	80	74	6 / 120
403730	T30H	80	77	6 / 120
403740	T40H	80	76	6 / 120
403745	T45H	80	77	6 / 120
403750	T50H	80	79	6 / 120
403755	T55H	80	90	6 / 120
403760	T60H	80	131	6 / 120

## 4023

- For torx internal screw
- DIN 3120




4023



4033

KT NO.	Size	Overall length mm	Weight	Quantity
402320	T20	60	68	10 / 180
402325	T25	60	66	10 / 180
402327	T27	60	68	10 / 180
402330	T30	60	65	10 / 180
402340	T40	60	67	10 / 180
402345	T45	60	69	10 / 180
402350	T50	60	69	10 / 180
402355	T55	60	78	10 / 180
402360	T60	60	106	10 / 180
402370	T70	60	110	10 / 180
403320	T20	80	76	6 / 120
403325	T25	80	74	6 / 120
403327	T27	80	75	6 / 120
403330	T30	80	75	6 / 120
403340	T40	80	78	6 / 120
403345	T45	80	76	6 / 120
403350	T50	80	79	6 / 120
403355	T55	80	92	6 / 120
403360	T60	80	132	6 / 120
403370	T70	80	136	6 / 120



# Ratchet & Set

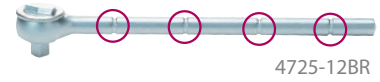
KT No. & D1 

## 4725

**FINE GEAR** 1/2"

- Reversible ratchet
- 8° gear action degree(45 teeth)
- DIN 3122



KT NO.	Overall length			
	inch	mm		
4725-10FR	10	250	590	1 / 40
4725-10GR	10	250	631	1 / 20
4725-12FR	12	300	652	2 / 40
4725-12GR	12	300	693	1 / 20
4725-12BR	12	300	637	2 / 40
4725DKR01	renewal kits		-	-

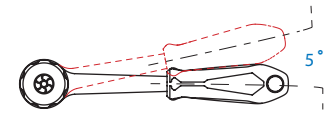


## 4755

**FINE GEAR** 1/2"

- Reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122



KT NO.	Overall length			
	inch	mm		
4755-10G	10	262	540	1 / 20
4755DK	renewal kits		-	-

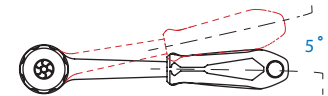


## 4756

**QUICK RELEASE** **FINE GEAR** 1/2"

- Quick release reversible ratchet
- 5° gear action degree (72 teeth)
- DIN 3122



KT NO.	Overall length			
	inch	mm		
4756-10G	10	262	539	1 / 20
4756DK	renewal kits		-	-

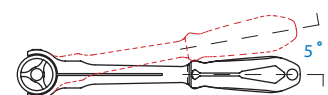
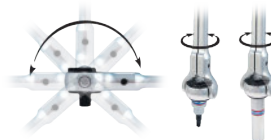


## 4752

**QUICK RELEASE** **FINE GEAR** 1/2"

- Quick release flexible and reversible ratchet
- 5° gear action degree (72 teeth)
- Multi-angle design for difficult-to-reach fasteners




KT NO.	Overall length			
	inch	mm		
4752-12G	12	312	639	1 / 20
4752DK	renewal kits		-	-



## 9415GR

1/4" + 3/8" + 1/2"

Paper display stand size (mm):  
405 x 310 x 80 (0.36 cuft)

Contents	 5.90	 1 / 2
	2752-06G x5	
	3752-09G x5	
	4752-12G x5	



15 PC.

# Ratchet

## 4760

MINI RATCHET FINE GEAR 1/2"

- Mini reversible ratchet
- 5° gear action degree (72 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
4760-05	4-3/4	120	209	5 / 90
4760-05G	5-1/2	137	201	4 / 72
4760DK01	renewal kits		-	-



4760DK01



4760-05



4760-05G

## 4762

QUICK RELEASE 1/2"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
4762-10G	10	250	536	5 / 30
4762-10F	10	250	580	6 / 36
4762-10P	10	250	552	6 / 36
4762-15G	15	375	693	5 / 20
4762-15F	15	375	749	6 / 24
4762DK	renewal kits		-	-



4762DK



4762-10G / 4762-15G



4762-10F / 4762-15F



4762-10P

## 4768

1/2"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
4768-10G	10	250	542	5 / 30
4768-10F	10	250	589	6 / 36
4768-10P	10	250	557	6 / 36
4768-15G	15	375	723	5 / 20
4768-15F	15	375	760	6 / 24
4768DK	renewal kits		-	-



4768DK



4768-10G / 4768-15G



4768-10F / 4768-15F



4768-10P

## 4771

QUICK RELEASE 1/2"

- Quick release reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122

KT NO.	Overall length			
	inch	mm		
4771-10BR	10	250	551	2 / 40
4771-10FR	10	250	620	2 / 40
4771-10GR	10	262	540	1 / 20
4771DK	renewal kits		-	-



4771DK



4771-10BR



4771-10FR



4771-10GR



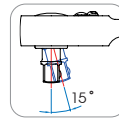
# Ratchet

KT No. & D1

## 4774

1/2"

- Universal joint reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122
- 15° rotation



4774-10F



4774-10G



4774DK

KT NO.	Overall length		g	/
	inch	mm		
4774-10F	10	250	619	2 / 40
4774-10G	10	262	553	1 / 20
4774DK	renewal kits		-	-

## 4779

1/2"

- Reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122



4779-10BR



4779-10FR



4779-10GR



4779DK01

KT NO.	Overall length		g	/
	inch	mm		
4779-10BR	10	250	559	2 / 40
4779-10FR	10	250	626	2 / 40
4779-10GR	10	262	551	1 / 20
4779DK01	renewal kits		-	-

## 4781

QUICK RELEASE

1/2"

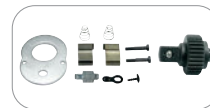
- Quick release flexible and reversible ratchet
- 11° gear action degree (32 teeth)
- Two teeth pawl action
- DIN 3122



4781-12F



4781-12P



4781DK

KT NO.	Overall length		g	/
	inch	mm		
4781-12F	12	300	783	1 / 20
4781-12P	12	300	753	1 / 20
4781DK	renewal kits		-	-

## 4772

QUICK RELEASE

1/2"

- Design spec. similar to DIN 3122, ISO 3315
- Made from special-purpose drop-forged and hardened **aluminium**
- Finishing
  - anodic treatment
  - black driver by phosphate sunk
- The mechanism as in all 4771/9 ratchets is made from high-quality steel

-40% weight

Light weight



4772DK01



4772-10G



4772-10F



4772DK



4772-10GS



4772-10FS

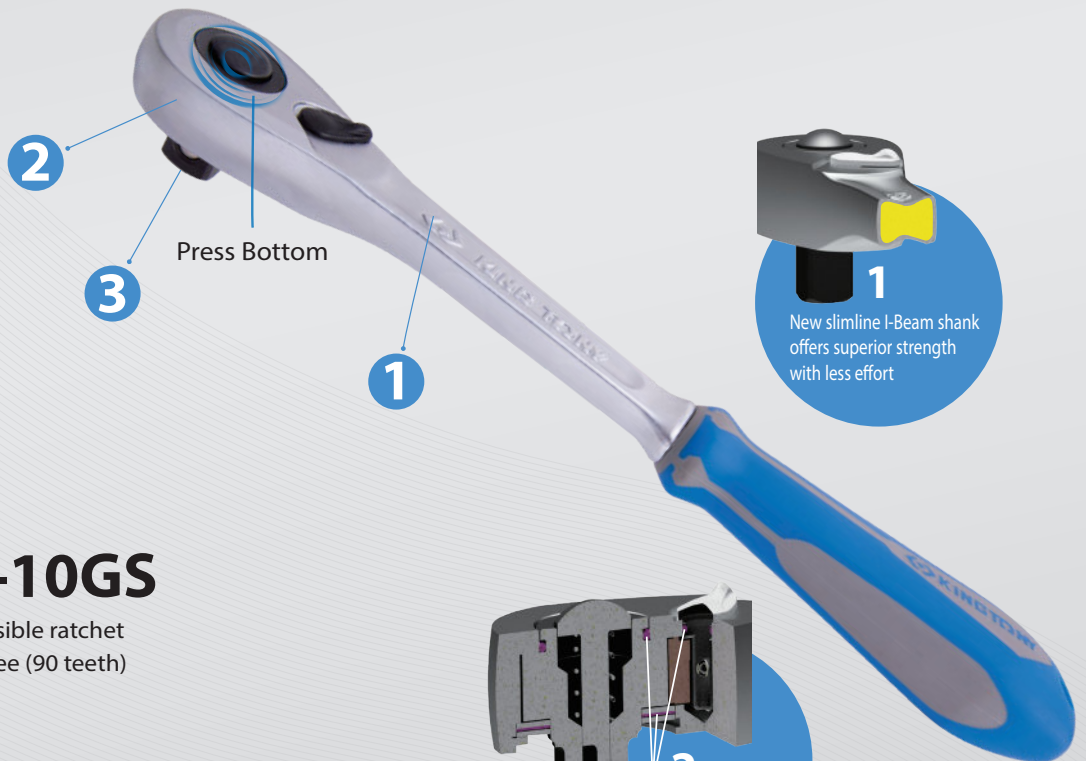
KT NO.	Overall length		g	/
	inch	mm		
4772-10G	10	262	332	1 / 25
4772-10F	10	250	350	1 / 25
4772DK01	renewal kits		-	-
4772-10GS	10	262	323	1 / 25
4772-10FS	10	250	345	1 / 25
4772DK	renewal kits		-	-



# 90 Teeth Dustproof Ratchet **PAT.**



- Material
  - chrome vanadium alloy steel handle
  - chrome molybdenum steel (gear) driver
- Finishing
  - polished, chrome plated
  - black driver by phosphate sunk



**1**  
New slimline I-Beam shank offers superior strength with less effort

**2**  
Dustproof - Double Sealing gasket

**3**  
Screwless design - Easy to repair

## **4773-10GS**

- Quick release reversible ratchet
- 4° gear action degree (90 teeth)
- DIN 3122
- IP51

KT NO.	Square DR.	Overall length			
		Inch	mm		
4773-10GS	1/2"	10	262	500	1 / 25
4773DK				renewal kits	



4773DK

4773-10GS (IP51)

# Accessory



The offset extension bar has less strength than normal extension bar. Do not use as a normal extension bar.

## 4121 1/2"

- Adjustable handle
- Push-Lock design



KT NO.	Overall length			
	inch	mm		
4121-11GR	11-1/2	295	535	1 / 20

## 4251 1/2"

- Extension bar
- DIN 3123



KT NO.	Overall length			
	inch	mm		
4251-02R	2	55	105	12 / 216
4251-03R	3	75	143	6 / 120
4251-04R	4	100	182	4 / 80
4251-05R	5	125	197	4 / 80
4251-06R	6	150	231	4 / 64
4251-08R	8	200	294	4 / 80
4251-10R	10	250	364	4 / 64

## 4104PR 1/2"

- Extension bar



Contents 0.84 1 / 25

KT NO.	3"	5"	6"	10"
4251				

## 4221 1/2"

- Extension bar
- DIN 3123



KT NO.	Overall length			
	inch	mm		
4221-18	18	450	548	1 / 20
4221-24	24	600	685	1 / 20
4221-30	30	750	860	1 / 20
4221-36	36	900	1055	1 / 20

## 4223 1/2"

- Offset extension bar
- Max. torque : 320 N·m
- DIN 3123



KT NO.	Overall length			
	inch	mm		
4223-02R	2	55	98	12 / 216
4223-05R	5	125	194	4 / 80
4223-10R	10	250	358	4 / 64

## 4293 1/2"

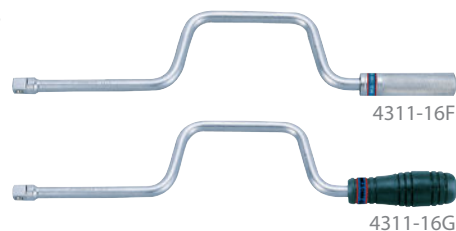
- Multi-function of extension bar and offset extension bar
- Max. torque : 320 N·m
- DIN 3123



KT NO.	Overall length			
	inch	mm		
4293-02	2	55	97	12 / 216
4293-05	5	125	191	4 / 80
4293-10	10	250	356	4 / 64

## 4311 1/2"

- Speed brace
- DIN 3122



KT NO.	Overall length			
	inch	mm		
4311-16F	16-1/4	412	610	5 / 40
4311-16G	16-1/4	412	499	5 / 40

## 4452 1/2"

- Flexible handle
- Action degree -180°
- DIN 3122



KT NO.	Overall length			
	inch	mm		
4452-15FR	15	375	718	2 / 24
4452-18FR	18	450	810	2 / 20
4452DK	renewal kits(for 15F/18F)		62	-

KT NO.	Overall length			
	inch	mm		
4452-24FR	24	600	1138	20
4452DK1	renewal kits(for 24F)		62	-

## 4453 1/2"

- Flexible handle
- Action degree -180°
- New pattern design added in firm and powerful elements
- New forge technologies I-Beam shank offer 15% lightweight
- DIN 3122



4452DK



4453-15F



4453-18F

KT NO.	Overall length			
	inch	mm		
4453-15F	15	375	630	2 / 24
4453-18F	18	450	708	2 / 20
4452DK	renewal kits(for 15F/18F)		62	-



### 4462 1/2"

- Flexible handle
- Action degree -180°
- DIN 3122

4462DK

KT NO.	Overall length		Scales	Box
	inch	mm		
4462-18F	18	463	1046	1 / 20
4462-24F	24	613	1350	1 / 20
4462DK	renewal kits		-	-

### 4572 1/2"

- Sliding T-handle
- DIN 3122

4572DK

KT NO.	Overall length		Scales	Box
	inch	mm		
4572-10	10	250	371	2 / 40
4572-12	12	300	426	2 / 40
4572DK	renewal kits		-	-

### 4573 1/2"

- Sliding T-handle
- DIN 3120

4573DK

KT NO.	Overall length		Scales	Box
	inch	mm		
4573-10R	10	250	470	2 / 40
4573DK	renewal kits		-	-

### 4581 1/2"

- 90° L-handle
- DIN 3122

KT NO.	Overall length		Scales	Box
	inch	mm		
4581-10	10	250	450	1 / 40

### 4583 1/2"

- 105° L-handle
- DIN 3120

KT NO.	Overall length		Scales	Box
	inch	mm		
4583-12R	12-1/2	315	550	1 / 40

### 4584 1/2"

- 90° L-handle
- DIN 3120

KT NO.	Overall length		Scales	Box
	inch	mm		
4584-12R	12	300	547	40

### 4791R 1/2"

- Universal joint
- DIN 3120, ISO 3316

77.5

KT NO.	Overall length		Scales	Box
	inch	mm		
4791R	3	77.5	159	5 / 100

### 4794 1/2"

- Universal joint
- 30° rotation
- Short pattern design enables greater access in confined spaces

30°

Ø25

60

KT NO.	Overall length		Scales	Box
	inch	mm		
4794	2-3/8	60	105	5 / 180

### 4813

- Adapter
- Convert to 3/8" drive or 3/4" drive
- 4813 → Max. torque : 202 N-m
- DIN 3123, ISO 3316

4813  
3/8" drive(M)

### 4816

- Adapter
- Convert to 3/8" drive or 3/4" drive
- 4813 → Max. torque : 202 N-m
- DIN 3123, ISO 3316

4816  
3/4" drive(M)

← 1/2" drive(F)

KT NO.	Spec.	Scales	Box
4813	1/2"Fx3/8"M	56	10 / 200
4816	1/2"Fx3/4"M	111	10 / 200

### 4148 1/2"

- Bit holder

KT NO.	Size	Overall length mm	Scales	Box
414808S	1/4"	38	50	10 / 200
414810S	5/16"	38	55	10 / 200
414810M	10 mm	38	56	10 / 200

# Accessory

KT No. & D1



4844R

1/2"

- 1/2 " drive (1/2 " F x 1/2 " M)
- Finish : Chrome Alloy Steel, chrome plated
- Reversible
- 5° gear action degree (72 teeth)
- Apply to 1/2" accessory (Ex : 4453-15F)
- Apply to 1/2" torque wrench (Ex : 3446E series)



**PAT.**

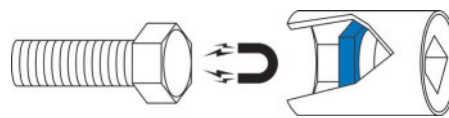


Outer diameter 37 x Height 62 mm

# Magnetic Insert

91000M

- Magnetic insert for sockets
- Powerful retention force
- Reusable
- 11 PC. set, for metric sockets



11 PC.



8 10 11 12 13 14 15 16 17 18 19



KT NO.	Size (mm)		
91000M	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm	42	12 / 144



# Socket Rail Set

4010MR

4010SR

4510MR

4510SR 1/2"

▪ Socket rail 230mmL



8 PC.

4010MR/4510MR



4010SR/4510SR

KT NO. Contents 0.64 40

4010MR	4330MR	10, 12, 13, 14, 17, 19, 21, 22	8740908
4510MR	4335MR		
4010SR	4330SR	3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8	
4510SR	4335SR		

4208MR10

4308MR10 1/2"

▪ Socket rail 240mmL



8 PC.

KT NO. Contents 1.22 14

4208MR10	4230MR	12, 13, 14, 17, 19, 21, 22, 23	8741108
4308MR10	4235MR		

4106PR

1/2"

▪ Socket rail 230mmL



6 PC.

Contents 0.51 40

4375M	E10, E12, E14, E16, E18, E20
8740906	

4148PR10

1/2"

▪ Socket rail 240mmL



8 PC.

Contents 1.24 14

4275M	E10, E12, E14, E16, E18, E20, E22, E24
8741108	

4118MR

1/2"

▪ Socket rail 230mmL



8 PC.

Contents 0.57 40

4014M	RB8, RB9.5, RB10, RB10.5, RB12, RB12.7, RB13.5, RB19
8740908	

4311MR

1/2"

▪ Socket rail 230mmL



11 PC.

Contents 0.92 12

4335MR	10, 11, 13, 14, 15, 17, 18, 19
4725-10GR	4572-10
4251-05R	8740908

# Bit Socket Rail Set

4110PR10

1/2"

▪ Socket rail 240mmL  
▪ For hex head screw  
▪ H : 60mm



9 PC.

Contents 0.77 14

4025	H3, H4, H5, H6, H7, H8, H10, H12, H14
8741009	

4110SR10

1/2"

▪ Socket rail 240mmL  
▪ For hex head screw  
▪ H : 60mm



9 PC.

Contents 1.22 14

4025S	3/16, 7/32, 1/4, 9/32, 5/16, 3/8, 1/2, 9/16, 5/8
8741009	

# Bit Socket Rail Set

## 4120PR10

1/2"

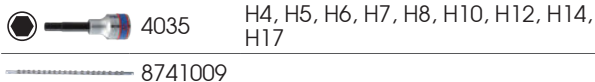
- Socket rail 240mmL
- For hex head screw
- H : 80mm

9  
PC.



Contents

1.0 14



## 4108PR10

1/2"

- Socket rail 240mmL
- For hex head screw
- H : 60mm

8  
PC.



Contents

0.96 14



## 4126PR

1/2"

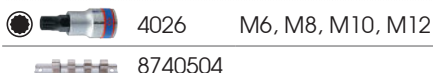
- Socket rail 127mmL
- For spline head screw
- H : 60mm

4  
PC.



Contents

0.38 50



## 4105PR

1/2"

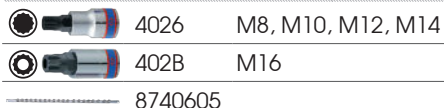
- Socket rail 150mmL
- For spline head screw
- H : 60 & 66 mm

5  
PC.



Contents

0.57 50



## 4136PR

1/2"

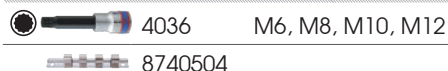
- Socket rail 127mmL
- For spline head screw
- H : 80mm

4  
PC.



Contents

0.46 30



## 4109PR10

1/2"

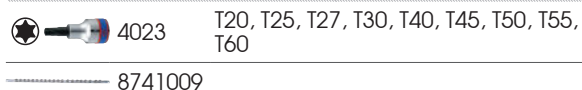
- Socket rail 240mmL
- For torx head screw
- H : 60mm

9  
PC.



Contents

0.74 14



## 4119PR10

1/2"

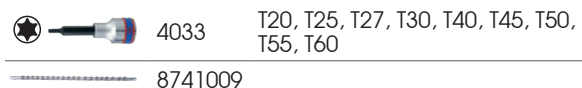
- Socket rail 240mmL
- For torx head screw
- H : 80mm

9  
PC.



Contents

0.84 14



## 4116PR

1/2"

- Socket rail 180mmL
- For ribe head screw
- H : 100mm

6  
PC.



Contents

0.38 20

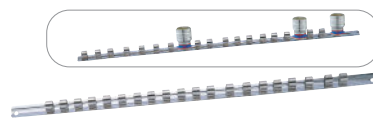


## Socket Rail

### 874

1/2"

- Rail length from 160 mm to 560 mm



KT NO.

L  
(mm)

870406	160
870410	260
870422	560
8740	-

### 8740809D1

1/2"

- Socket rail carrier with retaining clip
- 26" roller cabinet



KT NO.

Square  
drive

Clip

L  
(mm)

8740809D1	1/2"	9	508
-----------	------	---	-----

# Socket & Wrench Set

4313MR01 1/2"



13 PC.

Contents 1.55 10

- 4335MR 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
- 4771-10GR 4251-06R

4213MR 1/2"



11 PC.

Contents 1.39 16

- 4330MR 10, 11, 12, 13, 14, 17, 19, 21, 22
- 4766-10G 4251-06R



# Socket Set

4208MR 4208SR

4308MR 1/2"

Metal case size (mm) :  
246 x 103 x 38 (0.034 cuft)



8 PC.

4208MR / 4308MR



4208SR

KT NO. Contents 1.75 1 / 12

4208MR	4230M	12, 13, 14, 17, 19, 21, 22, 23
4308MR	4235M	
4208SR	4230S	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16

4215MR 4315MR 1/2"

Metal case size (mm) :  
445 x 135 x 50 (0.107 cuft)

15 PC.



KT NO. Contents 3.80 1 / 6

4215MR	4230M	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32
4315MR	4235M	

4216MR 4316MR 1/2"

Metal case size (mm) :  
445 x 135 x 50 (0.107 cuft)

16 PC.



KT NO. Contents 3.68 1 / 6

4216MR	4230M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
4316MR	4235M	



## Bit Socket Set

4109PR

Metal case size (mm) :  
198 x 105 x 32 (0.023 cuft)

9  
PC.



4109PR



4119PR

KT NO.	Contents		Kg	1/6
4109PR	4023 T20, T25, T27, T30, T40, T45, T50, T55, T60		1.04	1 / 20
4119PR	4033		1.13	1 / 20

4110PR

Metal case size (mm) :  
198 x 105 x 32 (0.023 cuft)

9  
PC.



4110PR



4120PR

KT NO.	Contents		Kg	1/6
4110PR	4025 H3, H4, H5, H6, H7, H8, H10, H12, H14		1.03	1 / 20
4120PR	4035 H4, H5, H6, H7, H8, H10, H12, H14, H17		1.38	1 / 20

4117PR

Metal case size (mm) :  
224 x 94 x 40 (0.03 cuft)

7  
PC.



Contents

Kg 1.22 1/8

- 4026 M6, M8, M10, M12, M14
- 402B M16, M18

4128PR

Metal case size (mm) :  
224 x 94 x 40 (0.03 cuft)

8  
PC.



Contents

Kg 1.24 1/8

- 4026 M5, M6, M8, M10
- 402B M16
- 4036 M8, M10, M12

## Socket Set

4501MR

Metal case size (mm) :  
392 x 90 x 50 (0.062 cuft)

15  
PC.



Contents

Kg 3.28 1/6

- 4335MR 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 27
- 4779-10FR
- 4251-05R
- 4452-15FR

4511MR

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)

24  
PC.



4511MR



4511SR

KT NO.	Contents		Kg 5.5 1/4
4511MR	4335MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463521R	
4511SR	4335SR 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	4725-12GR 4572-10 4251-05R 4251-10R 4223-02R	



# Socket Set

**4012MR**

Metal case size (mm) :  
445 x 135 x 50 (0.106 cuft)

**4012SR**

**4512MR**

**4512SR**

**1/2"**













4012MR / 4512MR



4012SR / 4512SR

**14**  
PC.

KT NO.	Contents		⚖️ 3.50	📦 1 / 6
4012MR	 4330MR	10, 11, 12, 13, 14, 17, 19, 21, 22, 24	 463021R	
4512MR	 4335MR		 463521R	
4012SR	 4330SR	3/8, 7/16, 15/32, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8, 15/16	 463021R	
4512SR	 4335SR		 463521R	

**4016SR**

Metal case size (mm) :  
370 x 150 x 54 (0.105 cuft)

**4516MR**

**4516SR**

**1/2"**













4516MR



4016SR / 4516SR

**16**  
PC.






KT NO.	Contents		⚖️ 3.68	📦 1 / 6
4016SR	 4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-1/16	 463021R	 4791R 
4516MR	 4335MR	10, 11, 12, 13, 14, 17, 19, 21, 23, 24, 27	 463521R	
4516SR	 4335SR	3/8, 7/16, 15/32, 1/2, 9/16, 5/8, 3/4, 13/16, 15/16, 1, 1-1/16	 463521R	

**4220MR**

Metal case size (mm) :  
445 x 135 x 50 (0.106 cuft)

**4320MR**

**1/2"**

KT NO.	Contents		⚖️ 3.83	📦 1 / 6
4220MR	 4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	 4755-10G	 4251-05R 
4320MR	 4335MR			



**20**  
PC.

# Socket Set

4031MR

4031SR

4531MR

4531SR

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



4031MR / 4531MR



4031SR / 4531SR







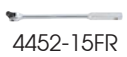


23  
PC.

KT NO.

Contents

5.3

1 / 4

KT NO.	Contents	5.3	1 / 4
4031MR	 4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		 4251-05R  4251-10R
4531MR	 4335MR		
4031SR	 4330SR 5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4		 4791R
4531SR	 4335SR		

4024MR

4024SR

4524MR

4524SR

4033MR

4033SR

4533MR

4533SR

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



4024SR / 4524SR



4024MR / 4524MR

24  
PC.



4033SR / 4533SR
















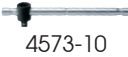


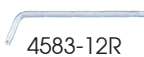





4033MR / 4533MR

KT NO.

Contents

5.7

1 / 4

KT NO.	Contents	5.7	1 / 4
4033SR	 4330SR 5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	 463021R	
4533SR	 4335SR	 463521R	 4779-10BR
4033MR	 4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	 463021R	 4121-11GR
4533MR	 4335MR	 463521R	 4223-02R
4024SR	 4330SR 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	 463021R	 4573-10
4524SR	 4335SR	 463521R	 4583-12R
4024MR	 4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	 463021R	 4725-12BR
4524MR	 4335MR	 463521R	

# Socket Set

**4224MR**

**4324MR**

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



24  
PC.

4224MR / 4324MR

KT NO.

Contents

5.3 1 / 4

4224MR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4779-10GR	4452-18FR	4572-12	4251-05R 4251-10R	4791R
4324MR	4335MR						

**4028MR**

**4028SR**

**4528MR**

**4528SR**

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



4028MR / 4528MR



4028SR / 4528SR

24  
PC.

KT NO.

Contents

5.3 1 / 4

4028MR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463021R	4779-10GR	4791R
4528MR	4335MR		463521R		4251-05R 4251-10R
4028SR	4330SR	3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	463021R	4779-10GR	4572-10
4528SR	4335SR		463521R		

**4032MR**

**4032SR**

**4532MR**

**4532SR**

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



4032MR / 4532MR



4032SR / 4532SR

24  
PC.

KT NO.

Contents

5.3 1 / 4

4032MR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463021R	4779-10FR	4251-05R 4251-10R
4532MR	4335MR		463521R		
4032SR	4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	463021R	4452-15FR	4791R
4532SR	4335SR		463521R		

# Socket Set

4325MR

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)

Contents

5.3 1 / 4

		4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32
		4779-10GR	4251-05R 4251-10R
		4311-16G	4572-10



24 PC.

4026MR

4026SR

4526MR

4526SR

4026MR03

4026SR03

4526MR03

4526SR03

4026MR04

1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)



4026MR / 4526MR



4026SR / 4526SR



4026SR03 / 4526SR03



4026MR03 / 4526MR03



4026MR04

24 PC.

KT NO.

Contents

5.95 1 / 4

KT NO.	Socket	Contents	Socket	Contents
4026MR	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	463021R	4768-10F
4526MR	4335MR		463521R	
4026MR03	4330MR	8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4791R	4779-10GR 4452-15FR 4572-12
4526MR03	4335MR			
4026MR04	4330MR		4755-10G	4251-05R 4251-10R
4026SR	4330SR	5/16, 3/8, 7/16, 15/32, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-3/16, 1-1/4	463021R	4768-10F
4526SR	4335SR		463521R	
4026SR03	4330SR		4791R	4779-10GR
4526SR03	4330MR			

# Socket Set

**4033MR03**

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)

**4533MR03**

1/2"



24  
PC.

4033MR03 / 4533MR03

KT NO.		Contents		Kg 4.43		1 / 4	
4033MR03	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	4791R	4779-10BR	4223-02R	1 / 4	
4533MR03	4335MR		4121-11GR	4573-10	4583-12R		

**4030CR**

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)

**4030CR01**

1/2"



4030CR



4030CR01

30  
PC.

KT NO.		Contents		Kg		1 / 4	
4030CR	4330MR	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 30, 32	4768-10P	4452-15FR	4791R	4.90	1 / 4
4030CR01	4330SR		7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	4779-10GR	4251-05R	4813	

**4034MR**

**4034MR06**

**4534MR**

**4534MR06**

1/2"

Metal case size (mm) :  
476 x 282 x 57 (0.27 cuft)



4034MR / 4534MR



4034MR06 / 4534MR06

33  
PC.

KT NO.		Contents		Kg		1 / 2	
4034MR	4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	463021R	463516R	4251-03R 4251-05R 4251-10R	7.6	1 / 2
4534MR	4335MR		463521R	4779-10FR	4572-12	7.9	
4034MR06	4330MR		463014RC	4779-10GR	4452-18FR		
4534MR06	4335MR		463016R	4791R			

# Socket Set

4535MR

1/2"

Metal case size (mm):  
445 x 187 x 50 (0.147 Cuft)

Contents

4.46 1 / 4

○	4335MR	10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24, 27, 30, 32
●	1836H	H5, H6, H7, H8, H10, H12
⊛	1836T	T25, T27, T30, T40, T45, T50
⊕	1836P	PH2, PH3
○	463516R	○ 463514RC
○	4251-05R 4251-10R	4771-10GR 4794 414810S



35 PC.

4042CR

4042CR02

4542CR

4542CR02

1/2"

Metal case size (mm):  
476 x 282 x 57 (0.27 cuft)



4042CR / 4542CR



4042CR02 / 4542CR02

42 PC.

KT NO.

Contents

8.5 1 / 2

4042CR	○ 4330MR	○ 4330SR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32, 5/16, 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4	○ 463021R	4768-10F	4452-18FR
4542CR	○ 4335MR	○ 4335SR		○ 463521R		4251-05R 4251-10R
4042CR02	○ 4330MR	○ 4330SR		4779-10GR		
4542CR02	○ 4335MR	○ 4335SR		4791R		4572-12

4044CR

4544CR

1/2"

Metal case size (mm):  
476 x 282 x 57 (0.27 cuft)

KT NO. Contents

8.5 1 / 2

4044CR	○ 4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32	4779-10BR
	○ 4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-3/16, 1-1/4	4573-10 4121-11GR
4544CR	○ 4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32	4583-12R
	○ 4335SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-3/16, 1-1/4	4791R 4223-02R



43 PC.

# Socket Set

## 4523MRV01

Tray category #8 (375 x 187mm) 1/2"

Plastic case size (mm) :  
389 x 230 x 66 (0.208 Cuft)

Contents

3.88 1 / 6

		4335MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32
		4771-10GR	4791R
		4572-10	4251-05R 4251-10R



23  
PC.

## 4526MR15

1/2"

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

Contents

5.05 1 / 4

		4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 30, 32
		4779-10FR	4572-12
		4452-15FR	4791R 4251-05R 4251-10R



24  
PC.

## 4047MR

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

## 4547MR

1/2"

KT NO. Contents 6.62 1 / 2

4047MR		4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32		H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
4547MR		4335MR			T10H, T15H, T20H, T25H, T27H, T30H, T40H
					PH2x100, PH2x150
					6.5x100, 6.5x150
					4251-05R 4452-15FR
					4251-10R 4791R
					4572-12
					4768-10F 463521R
					6111-07 6311-06



47  
PC.

# Socket Set

4306MRN

1/2"

Contents

kg 2.28 1 / 8

		4335MR	17, 19
		4121-11GR	
		4584-12R	



6 PC.



# Impact Driver Set



**CAUTION** Please wear proper safety gear while working.

4108FR

4111FR

4112FR

1/2"

Metal case size (mm) :  
190 x 60 x 48 (0.019 cuft)



4108FR



4111FR



4112FR

KT NO.	PC.	Contents					
4108FR	8	9, 11	PH2, PH3	PH2, PH3		1.04	1 / 24
4111FR	6	8, 10	PH2, PH3			1.00	
4112FR	6	9, 11	PH2, PH3			1.00	

4505MR

4505SR

1/2"

Metal case size (mm) :  
246 x 103 x 38 (0.034 cuft)



10 PC.



10 PC.

KT NO.	Contents				kg 1.6	
4505MR		8, 10 12, 14	9, 11	PH2, PH3		1 / 12
4505SR		5/16, 3/8 1/2, 9/16				

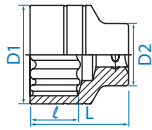


# Standard Socket

## 6330M

3/4"

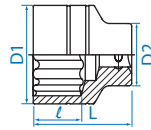
▪ Metric-DIN 3124, ISO 2725-1



## 6330S

3/4"

▪ Inch-ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	⚖️	📦
633017M	17	26.0	32.7	14	51	144	8 / 96
633019M	19	30.0	32.7	14	51	164	8 / 96
633021M	21	32.0	32.7	16	51	169	8 / 96
633022M	22	33.0	35.7	16	51	204	8 / 96
633023M	23	34.0	35.7	16	51	210	8 / 96
633024M	24	35.0	35.7	17	51	209	8 / 96
633026M	26	35.7	35.0	17	52	196	8 / 96
633027M	27	38.0	36.0	19	52	219	8 / 96
633028M	28	39.0	36.0	19	52	220	8 / 96
633029M	29	40.0	38.0	19	52	245	8 / 96
633030M	30	42.0	38.0	21	54	274	6 / 48
633032M	32	44.0	38.0	23	56	297	6 / 48
633033M	33	46.0	39.0	23	56	330	6 / 48
633034M	34	47.0	42.0	24	57	377	6 / 48
633035M	35	48.0	42.0	25	58	393	6 / 36
633036M	36	50.0	42.0	25	58	420	6 / 36
633038M	38	52.0	45.0	27	60	468	6 / 36
633041M	41	56.0	45.0	29	64	549	4 / 32
633042M	42	57.0	45.0	29	64	541	4 / 32
633046M	46	62.0	48.0	33	68	673	4 / 32
633048M	48	64.0	48.0	34	70	689	2 / 24
633050M	50	68.0	48.0	34	72	840	2 / 24
633054M	54	72.0	50.0	35	75	943	1 / 20
633055M	55	74.0	50.0	37	76	989	1 / 20
633058M	58	77.0	50.0	37	78	1044	1 / 20
633060M	60	80.0	50.0	40	78	1072	1 / 20
633063M	63	83.0	55.0	40	81	1201	1 / 12
633065M	65	85.0	58.0	43	83	1311	1 / 12
633070M	70	92.0	58.0	46	88	1634	1 / 12

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	⚖️	📦
633022S	11/16	26	35.7	14	50.8	144	8 / 96
633024S	3/4	30	35.7	14	50.8	164	8 / 96
633026S	13/16	32	35.7	16	50.8	169	8 / 96
633028S	7/8	33	35.7	16	51.0	206	8 / 96
633030S	15/16	35	35.7	17	51.0	213	8 / 96
633032S	1	35	35.7	17	52.0	208	8 / 96
633034S	1-1/16	38	36.0	19	52.0	219	8 / 96
633036S	1-1/8	40	38.0	19	52.0	244	8 / 96
633038S	1-3/16	42	38.0	21	54.0	273	6 / 48
633040S	1-1/4	44	38.0	23	56.0	299	6 / 48
633042S	1-5/16	46	39.0	23	56.0	331	6 / 48
633044S	1-3/8	48	42.0	25	58.0	393	6 / 36
633046S	1-7/16	50	42.0	25	58.0	412	6 / 36
633048S	1-1/2	52	45.0	27	60.0	477	6 / 36
633050S	1-9/16	54	45.0	28	62.0	493	4 / 32
633052S	1-5/8	56	45.0	29	64.0	564	4 / 32
633054S	1-11/16	58	45.0	29	65.0	562	4 / 32
633056S	1-3/4	60	48.0	31	66.0	636	4 / 32
633058S	1-13/16	62	48.0	34	68.0	669	4 / 32
633060S	1-7/8	64	48.0	34	70.0	712	2 / 24
633062S	1-15/16	66	48.0	34	70.0	768	2 / 24
633064S	2	68	48.0	34	72.0	826	2 / 24
633066S	2-1/16	70	50.0	35	74.0	893	1 / 20
633068S	2-1/8	72	50.0	35	75.0	944	1 / 20
633070S	2-3/16	74	50.0	37	76.0	957	1 / 20
633072S	2-1/4	76	50.0	37	76.0	962	1 / 20
633074S	2-5/16	78	50.0	37	78.0	1084	1 / 20
633076S	2-3/8	80	50.0	40	78.0	1093	1 / 20
633078S	2-7/16	82	55.0	40	81.0	1160	1 / 12
633080S	2-1/2	84	55.0	40	81.0	1238	1 / 12
633082S	2-9/16	85	58.0	43	83.0	1355	1 / 12
633084S	2-5/8	86	58.0	43	83.0	1277	1 / 12
633086S	2-11/16	90	58.0	43	85.0	1514	1 / 12
633088S	2-3/4	92	58.0	46	88.0	1642	1 / 12

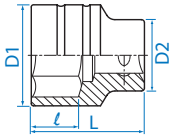


# Standard Socket

6335M

3/4"

• DIN 3124, ISO 2725-1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
633517M	17	26.0	32.7	14	51	147	8 / 96
633518M	18	28.0	32.7	14	51	155	8 / 96
633519M	19	30.0	32.7	14	51	168	8 / 96
633520M	20	31.0	32.7	16	51	169	8 / 96
633521M	21	32.0	32.7	16	51	173	8 / 96
633522M	22	33.0	35.7	16	51	208	8 / 96
633523M	23	34.0	35.7	16	51	211	8 / 96
633524M	24	35.0	35.7	17	51	216	8 / 96
633525M	25	35.0	35.7	17	52	211	8 / 96
633526M	26	35.7	35.0	17	52	199	8 / 96
633527M	27	38.0	36.0	19	52	226	8 / 96
633528M	28	39.0	36.0	19	52	230	8 / 96
633529M	29	40.0	38.0	19	52	252	8 / 96
633530M	30	42.0	38.0	21	54	287	6 / 48
633531M	31	43.0	38.0	23	55	295	6 / 48
633532M	32	44.0	38.0	23	56	308	6 / 48
633533M	33	46.0	39.0	23	56	345	6 / 48
633534M	34	47.0	42.0	24	57	392	6 / 48
633535M	35	48.0	42.0	25	58	403	6 / 36
633536M	36	50.0	42.0	25	58	438	6 / 36
633537M	37	51.0	45.0	25	59	471	6 / 36
633538M	38	52.0	45.0	27	60	491	6 / 36
633539M	39	53.0	45.0	28	61	499	4 / 32
633540M	40	54.0	45.0	28	62	512	4 / 32
633541M	41	56.0	45.0	29	64	571	4 / 32
633542M	42	57.0	45.0	29	64	573	4 / 32
633543M	43	58.0	45.0	29	65	591	4 / 32
633544M	44	60.0	48.0	31	66	689	4 / 32
633545M	45	61.0	48.0	33	67	687	4 / 32
633546M	46	62.0	48.0	33	68	708	4 / 32
633547M	47	63.0	48.0	33	69	729	4 / 32
633548M	48	64.0	48.0	34	70	708	2 / 24
633549M	49	66.0	48.0	34	70	808	2 / 24
633550M	50	68.0	48.0	34	72	891	2 / 24
633551M	51	69.0	50.0	35	73	911	1 / 20
633552M	52	69.0	50.0	35	73	873	1 / 20
633553M	53	70.0	50.0	35	74	904	1 / 20
633554M	54	72.0	50.0	35	75	968	1 / 20
633555M	55	74.0	50.0	37	76	1025	1 / 20
633556M	56	75.0	50.0	37	76	1052	1 / 20
633557M	57	76.0	50.0	37	76	1017	1 / 20
633558M	58	77.0	50.0	37	78	1067	1 / 20
633559M	59	78.0	50.0	37	78	1127	1 / 20
633560M	60	80.0	50.0	40	78	1145	1 / 20
633562M	62	82.0	55.0	40	81	1258	1 / 12
633563M	63	83.0	55.0	40	81	1304	1 / 12
633564M	64	84.0	55.0	40	81	1300	1 / 12
633565M	65	85.0	58.0	43	83	1422	1 / 12
633570M	70	92.0	58.0	46	88	1800	1 / 12

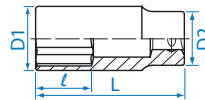
# Deep Socket

KT No. & D1

6230M

3/4"

• DIN 3124, ISO 2725-1

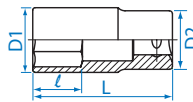


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
623030M	30	42.0	38.0	31	90	584	1 / 24
623032M	32	44.0	38.0	34	90	568	1 / 24
623033M	33	46.0	39.0	34	90	542	1 / 24
623036M	36	50.0	42.0	37	90	608	1 / 24
623039M	39	53.0	45.0	41	90	666	1 / 24
623041M	41	56.0	45.0	41	90	701	1 / 24
623046M	46	62.0	48.0	46	95	889	1 / 10
623050M	50	68.0	48.0	50	95	1022	1 / 10

6235M

3/4"

• DIN 3124, ISO 2725-1



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
623517M	17	26.0	32.7	20	90	275	2 / 48
623518M	18	28.0	32.7	20	90	345	2 / 48
623519M	19	30.0	32.7	20	90	325	2 / 48
623520M	20	31.0	32.7	22	90	373	2 / 48
623521M	21	32.0	32.7	22	90	335	2 / 48
623522M	22	33.0	35.7	22	90	391	2 / 48
623523M	23	34.0	35.7	24	90	390	2 / 48
623524M	24	35.0	35.7	24	90	406	2 / 48
623525M	25	35.0	35.7	25	90	399	2 / 48
623526M	26	35.7	35.0	25	90	353	1 / 24
623527M	27	38.0	36.0	28	90	389	1 / 24
623528M	28	39.0	36.0	28	90	397	1 / 24
623529M	29	40.0	38.0	28	90	428	1 / 24
623530M	30	42.0	38.0	31	90	469	1 / 24
623531M	31	43.0	38.0	34	90	472	1 / 24
623532M	32	44.0	38.0	34	90	490	1 / 24
623533M	33	46.0	39.0	34	90	549	1 / 24
623534M	34	47.0	42.0	34	90	591	1 / 24
623535M	35	48.0	42.0	37	90	583	1 / 24
623536M	36	50.0	42.0	37	90	632	1 / 24
623537M	37	51.0	45.0	37	90	687	1 / 24
623538M	38	52.0	45.0	41	90	673	1 / 24
623539M	39	53.0	45.0	41	90	689	1 / 24
623540M	40	54.0	45.0	41	90	713	1 / 24
623541M	41	56.0	45.0	41	90	753	1 / 24
623542M	42	57.0	45.0	46	95	794	1 / 24
623543M	43	58.0	45.0	46	95	816	1 / 10
623544M	44	60.0	48.0	46	95	920	1 / 10
623545M	45	61.0	48.0	46	95	932	1 / 10
623546M	46	62.0	48.0	46	95	940	1 / 10
623547M	47	63.0	48.0	46	95	961	1 / 10
623548M	48	64.0	48.0	50	95	948	1 / 10
623549M	49	66.0	48.0	50	95	1015	1 / 10
623550M	50	68.0	48.0	50	95	1064	1 / 10
623551M	51	69.0	50.0	50	95	1114	1 / 10
623552M	52	69.0	50.0	50	95	1109	1 / 10
623553M	53	70.0	50.0	50	95	1119	1 / 10
623554M	54	72.0	50.0	50	95	1170	1 / 10
623555M	55	74.0	50.0	50	95	1236	1 / 10
623556M	56	75.0	50.0	50	95	1272	1 / 10
623557M	57	76.0	50.0	52	100	1392	1 / 10
623558M	58	78.0	50.0	52	100	1446	1 / 10
623559M	59	78.0	50.0	52	100	1410	1 / 10
623560M	60	80.0	50.0	53	100	1471	1 / 10
623563M	63	83.0	55.0	53	100	1511	1 / 6
623565M	65	85.0	58.0	55	100	1613	1 / 6
623570M	70	92.0	58.0	55	100	1766	1 / 6

## Bit Socket

6023

3/4"

- For torx internal screw
  - DIN 3120
  - E.g. on commercial vehicles and agricultural machinery
  - Screw of the steering tie lever on commercial vehicles MAN
- 602380 : for M series  
6023A0 : for F series

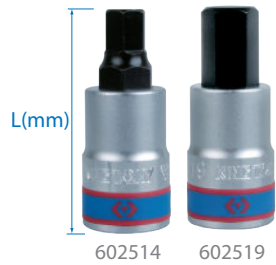


KT NO.	Size	L mm		
602360	T60	80	246	2/48
602370	T70	80	253	2/48
602380	T80	80	326	2/48
602390	T90	80	332	2/48
6023A0	T100	80	339	2/48

6025

3/4"

- HEXAGON head
- DIN 7422



KT NO.	mm	L mm		
602514	H14	80	257	2 / 48
602517	H17	80	268	2 / 48
602519	H19	80	278	2 / 48
602522	H22	80	361	2 / 48

## Ratchet

6724

3/4"

- Reversible ratchet
- 8° gear action degree (45 teeth)
- DIN 3122



KT NO.	Overall length inch mm		
6724-20F	20 500	2223	1 / 6
6724DK	renewal kits	-	-

6778

3/4"

- Quick release reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122



KT NO.	Overall length inch mm		
6778-20FS	20 500	2612	1 / 6
6778DK	renewal kits	-	-

## Ratchet & Accessory

6779

3/4"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122



KT NO.	Overall length inch mm		
6779-20F	20 500	2449	1 / 6
6779DK	renewal kits	-	-

6251

KT No. & D1 3/4"

- Extension bar
- DIN 3123



KT NO.	Overall length inch mm		
6251-04	4 100	418	4 / 40
6251-08	8 200	734	2 / 20
6251-16	16 400	1375	1 / 10

6452

3/4"

- Flexible handle
- Action degree -180°
- DIN 3122

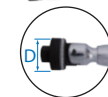
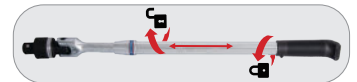


KT NO.	Overall length inch mm		
6452-18F	18 450	1768	1 / 10
6452-30F	30 750	2581	1 / 8
6452DK	renewal kits	-	-

6482

3/4"

- 180° swivel ratchet head
- 3 position ratchet control : forward / reverse / lock
- Telescopic handle : 620 mm-970 mm
- 15° gear action (24 teeth)
- DIN 3122



KT NO.	D mm	Min.L inch mm	Max.L inch mm		
6482-24G	46	24 620	36 970	3	1 / 6
6482DK					renewal kits

# Accessory

**6572**

**3/4"**

- Sliding T-handle
- DIN 3122



KT NO.	Overall length		Scales	Boxes
	inch	mm		
6572-20	20	500	1542	1 / 10
6572DK	renewal kits		-	-

**6581**

**3/4"**

- 90° L-handle



KT NO.	Overall length		Scales	Boxes
	inch	mm		
6581-12	12	300	1307	10
6581-18	18	450	1939	12

**6585**

**3/4"**

- Double driver L-handle 90°



KT NO.	Overall length		Scales	Boxes
	inch	mm		
6585-19	19	478	2010	12

**6791**

**3/4"**

- Universal joint
- DIN 3123, ISO 3316



KT NO.	Overall length		Scales	Boxes
	inch	mm		
6791	4-1/4	108	571	2 / 20

**6814**

**6818**

**3/4"**

- Adapter
- Convert to 1/2" drive or 1" drive
- 6814→Max. torque : 512 N·m
- DIN 3123, ISO 3316



KT NO.	Spec.	Scales	Boxes
6814	3/4"F x 1/2"M	120	8 / 96
6818	3/4"F x 1"M	296	6 / 60

## Socket Rail

**8760807D1**

**3/4"**

- Socket rail carrier with retaining clip
- 26" roller cabinet



KT NO.	Square drive	Clip	L (mm)
8760807D1	3/4"	7	508
<b>new</b> 8760			

## Socket Set

**6014MR**

Metal case size (mm) :  
537 x 177 x 78 (0.26 cuft)



6014MR

**6314MR**

**3/4"**



6314MR

14 PC.

KT NO.	Contents	Weight (kg)	Boxes
6014MR	6779-20F, 6251-08, 6251-16, 6572-20	13.8	1

6014MR	6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50
6314MR	6335M	

**6016MR**

Metal case size (mm) :  
537 x 177 x 78 (0.26 cuft)



6316MR

**6016SR**

**3/4"**



6016MR/6016SR

16 PC.

KT NO.	Contents	Weight (kg)	Boxes
6016MR	6779-20F, 6251-08, 6251-16, 6572-20	14.0	1

6016MR	6330M	21, 22, 23, 24, 27, 30, 32, 36, 38, 41, 46, 50
6316MR	6335M	
6016SR	6330S	7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4, 1-7/8, 2

# Socket Set

## 6023MR

Metal case size (mm) :  
537 x 177 x 78 (0.26 cuft)



6023MR

## 6323MR

## 6023SR

3/4"

23  
PC.



6023MR/6023SR

KT NO.

Contents

17.1 1

6023MR	6330M	21, 22, 23, 24, 26, 27, 28, 29, 30, 32, 34, 35, 36, 38, 41, 46, 50	6779-20F	6251-04 6251-08 6251-16
6323MR	6335M			
6023SR	6330S	7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-3/4, 1-13/16, 1-7/8, 2	6572-20	6791

## 6224CR

Metal case size (mm) :  
537 x 177 x 78 (0.26 cuft)



24  
PC.

KT NO.

Contents

17.9 1

6224CR	6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6779-20F	6251-08 6251-16	6572-20
	6330S	1, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-3/4, 2			

## 6226CR

Metal case size (mm) :  
537 x 177 x 78 (0.26 cuft)



26  
PC.

KT NO.

Contents

17.2 1

6226CR	6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6251-04 6251-08	6572-20
	6330S	7/8, 15/16, 1, 1-1/8, 1-3/16, 1-5/16, 1-3/8, 1-7/16, 1-5/8, 1-3/4, 1-7/8, 2		6452-18F

## 6014MR12

Blow case size(mm) :  
422 x 372 x 92 (0.51 cuft)



Contents

10.8 1/2

6330M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6779-20F
6251-04 6251-08		
6572-20		

## 6314MR12

Blow case size(mm) :  
422 x 372 x 92 (0.51 cuft)



14  
PC.

Contents

10.8 1/2

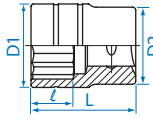
6335M	22, 24, 27, 30, 32, 36, 38, 41, 46, 50	6779-20F
6251-04 6251-08		
6572-20		

# Socket Set

## 8330M

1"

- DIN 3124, ISO 2725-1

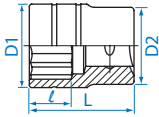


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg	boxes
833036M	36	52	48	26	65	514	1	24
833038M	38	54	48	26	65	536	1	24
833041M	41	58	50	29	70	659	1	24
833046M	46	65	54	32	75	961	1	24
833050M	50	70	54	34	75	985	1	20
833054M	54	74	57	38	80	1164	1	20
833055M	55	76	57	42	83	1256	1	12
833058M	58	79	57	42	83	1263	1	12
833060M	60	82	58	46	87	1488	1	12
833063M	63	86	58	46	87	1548	1	12
833065M	65	88	65	49	90	1817	1	12
833067M	67	91	70	49	91	1932	1	12
833070M	70	94	70	50	93	2064	1	8
833071M	71	95	70	50	93	2026	1	8
833075M	75	100	70	50	95	2168	1	8
833077M	77	103	80	52	100	2732	1	8
833080M	80	107	80	52	100	3009	1	8

## 8330S

1"

- ANSI / ASME B107.1



KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg	boxes
833046S	1-7/16	52	48	26	65	506	1	24
833048S	1-1/2	54	48	26	65	537	1	24
833054S	1-11/16	60	54	29	70	741	1	24
833060S	1-7/8	67	54	34	75	912	1	10
833064S	2	71	54	34	75	989	1	10
833072S	2-1/4	78	57	42	83	1267	1	12
833076S	2-3/8	82	58	46	87	1452	1	12
833084S	2-5/8	90	65	49	90	1825	1	12
833094S	2-15/16	100	70	52	95	2076	1	8
8330A0S	3-1/8	107	80	52	100	2975	1	8

# Ratchet

## 8779

1"

- Reversible ratchet
- 15° gear action degree (24 teeth)
- DIN 3122



8779DK



KT NO.	Overall length inch	mm	g	kg
8779-32F	32	800	4400	5
8779DK	renewal kits	-	-	-

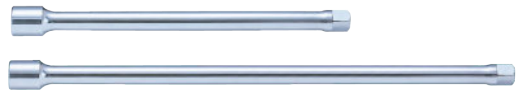
# Accessory

- Chrome vanadium handle, chrome molybdenum driver
- Chrome plated handle & black phosphate sunk driver

## 8251

1"

- Extension bar
- DIN3123



KT NO.	Overall length		g	kg
	inch	mm		
8251-08	8	200	1364	1 / 16
8251-16	16	400	2555	1 / 10

## 8572

1"

- Sliding T-handle
- DIN 3122



8572DK



KT NO.	Overall length		g	kg
	inch	mm		
8572-25	25	630	4200	6
8572DK	renewal kits	-	-	-

## 8581

1"

- L-handle
- DIN 3122



KT NO.	Overall length		g	kg
	inch	mm		
8581-26	26	650	5182	4

## 8816

1"

- Adapter
- Convert to 3/4" drive
- Max. torque : 1412 N·m
- DIN 3123, ISO 3316



KT NO.	Spec.	g	kg
8816	1" F x 3/4" M	309	6 / 48

# Socket Set

**8015MR**

Metal case size (mm) :  
660 x 205 x 108 (0.52 cuft)

**8015SR**

**1"**



**14**  
PC.

KT NO.	Contents		Kg 34.1	1
8015MR	8330M	36, 41, 46, 50, 55, 60, 65, 70, 75, 80	8779-32F                         8251-08 8251-16                         8572-25	
8015SR	8330S	1-7/16, 1-1/2, 1-11/16, 1-7/8, 2, 2-1/4, 2-3/8, 2-5/8, 2-15/16, 3-1/8		

# Socket Rail Set

**7112PR**

- Socket rail 260mmL
- Rail with 5 PC. 3/8" & 6 PC. 1/2" drive clip

**12**  
PC.



Contents

Kg 0.76    24

3375M	E4, E5, E6, E8
4375M	E10, E12, E14, E16, E18, E20
3571-08	8771011     3814

**7113PR**

**3/8"+1/2"**

- Socket rail 260mmL
- Rail with 6 PC. 3/8" drive & 6 PC. 1/2" drive clip

**12**  
PC.



Contents

Kg 0.6    32

3375M	E4, E5, E6, E7, E8, E11
4375M	E10, E12, E14, E16, E18, E20
8771012	

# Socket Set

**7120PR**

Metal case size (mm) :  
296 x 130 x 41 (0.056 cuft)

**7120PR01**

**3/8"+1/2"**

KT NO.	Contents		Kg 1.79	1 / 10
7120PR	4023	T30, T40, T45, T50, T55	3375M E6, E7, E8, E10 4375M E12, E14, E16, E18, E20	
7120PR01	4027	T30H, T40H, T45H, T50H, T55H		



**20**  
PC.

# Socket Set

## 5022MR

Metal case size (mm) :  
285 x 135 x 45 (0.059 cuft)

## 5522MR

## 5022SR

1/4"+3/8"



5022MR / 5522MR



5022SR

21  
PC.

KT NO.

Contents

1.60 Kg 1 / 10

KT NO.	Contents	Weight	Volume
5022MR	3330M 10, 11, 12, 13, 14, 17, 19	1.60 Kg	1 / 10
5522MR	3335M 4, 5, 5.5, 6, 7, 8, 9		
5022SR	2335S 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32 3330S 3/8, 7/16, 15/32, 1/2, 9/16, 11/16, 3/4		
3769-08F 3221-03 3221-06 363516 3812 2179DF			

## 5039CR

1/4"+3/8"

Metal case size (mm) :  
318 x 147 x 46 (0.076 cuft)

Contents

2.60 Kg 1 / 10

2335M	4.5, 5, 6, 7, 8, 9, 10, 11, 12
2335S	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
3330M	9, 10, 11, 12, 13, 14, 16, 17, 19
3330S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
3769-08F 3221-03 2179DF 363021 3812	



39  
PC.

## 7558MR

1/4"+1/2"

Metal case size (mm) :  
445 x 187 x 50 (0.147 cuft)

Contents

3.8 Kg 1 / 4

2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
4335MR	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24
1025S	4, 6, 8
1025P	PH1, PH2, PH3
1025H	H3, H4, H5, H6, H7, H8
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
1025Z	PZ1, PZ2, PZ3
2779-55G 4779-10GR 2792 4791R 2141 2221-02 2221-04 4251-05R 2179DF	



58  
PC.



# Socket Set

9063MR

9063MR01

9563MR

9563MR01

1/4"+3/8"+1/2"

Metal case size (mm) :  
476 x 282 x 57 (0.27 cuft)



9063MR/9563MR



9063MR01/9563MR01

62  
PC.

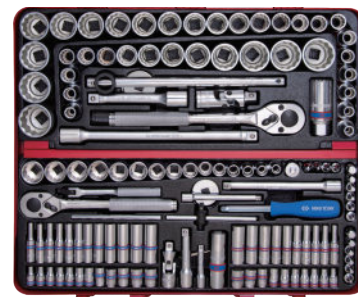
KT NO.	Contents		Kg 7.4	1/2
9063MR	4330MR	3330M	4768-10F	2335M 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12
	3330M		3769-08F	3023 T20, T25, T27, T30, T40
9563MR	4335MR	3335M	363521	3025 H4, H5, H6, H8, H10
	3335M		3235M 12, 14, 17, 19	2571-45 2221-04
9063MR01	4330MR	3330M / 3335M	363021	4755-10G 3571-08 3221-06
	3330M		3779-08G 4572-12 4251-06R	
9563MR01	4335MR	3335M	363521	3792 4791R 3812
	3335M			

9033CR

1/4"+3/8"+1/2"

Metal case size (mm) :  
450 x 370 x 56 (0.329 cuft)

Contents	Kg 12.3	1/2
2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
2335S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	
2235M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	
2235S	5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	
3330M	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	
4330MR	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32	
4330SR	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-3/16, 1-1/4	
2015MX	H3, H4, H5, H6, H8, H10	
2015SX	1/8, 3/16, 7/32, 1/4, 5/16, 3/8	
2011X	PH1, PH2, PH3, PH4	
1115-03	H1.5, H2, H2.5	



135  
PC.

Contents			
463516R	463021R	2179DF	2452-05F
3769-08F	4768-10F	2571-45	4572-10
2221-02	3221-03	4251-05R	3812
2221-04	3221-06	4251-10R	3792 4791R
2561	3840	4840	

cross bar. 4-1/2"L 3/8" drive spin disc. 1/2" drive spin disc.

# Socket & Tool Set

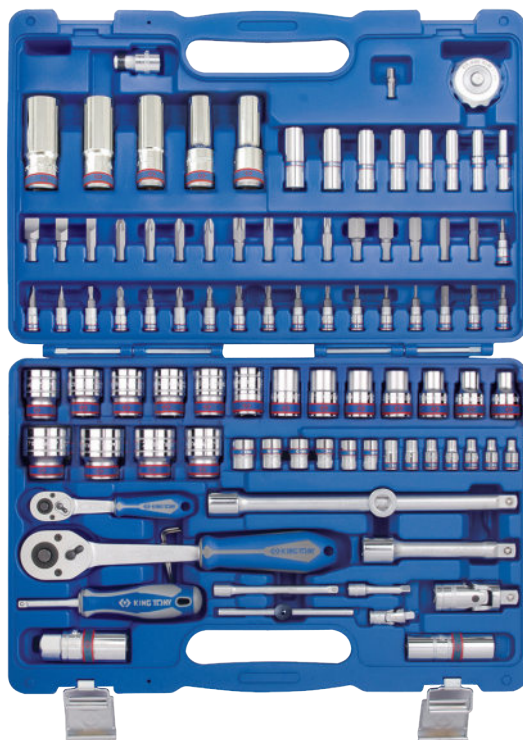
7096MR

7596MR

1/4"+1/2"

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

96  
PC.



HAND SOCKET & ACCESSORIES

KT NO.	Contents		Kg 6.22	1/4
7096MR	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2031	2771-55G
	2230M	6, 7, 8, 9, 10, 11, 12, 13	2032	2178DF
	4230M	14, 15, 17, 19, 22	2033	4771-10GR
	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	2035	2571-45
	4630R	16, 21	2038	4222-10 2221-02 2221-04
7596MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1836P	4251-05R
	2235M	6, 7, 8, 9, 10, 11, 12, 13	1836S	2792 4791R
	4235M	14, 15, 17, 19, 22	1836T	3824
	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	1836H	414810S
	4635R	16, 21	1836Z	7702-25 2745
		1115-03	1.5, 2, 2.5	

# Socket & Tool Set

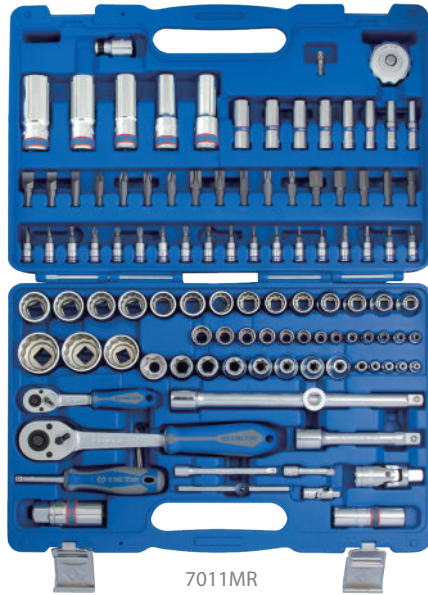
**7011MR**

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

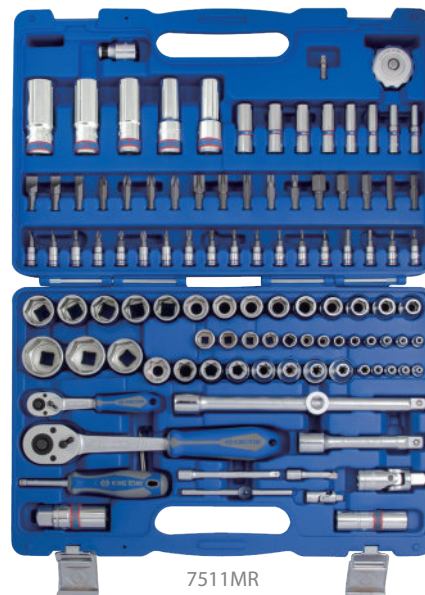
**7511MR**

1/4"+1/2"

110  
PC.



7011MR



7511MR

KT NO.	Contents		KG 6.90	1/4		
7011MR	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2375M	E4, E5, E6, E7, E8	1115-03	1.5, 2, 2.5
	2230M	6, 7, 8, 9, 10, 11, 12, 13	4375M	E10, E11, E12, E14, E16, E18, E20, E24	2771-55G	
	4230M	14, 15, 17, 19, 22	2031	PH1, PH2	4771-10GR	
	4330MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	2032	4, 5.5, 6.5	2178DF	
	463016R		2033	T8, T10, T15, T20, T25, T27, T30	2221-02	2221-04
	463021R		2035	H3, H4, H5, H6	4222-10	
7511MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2038	PZ1, PZ2	4225-10R	
	2235M	6, 7, 8, 9, 10, 11, 12, 13	1836P	PH3, PH4	2571-45	
	4235M	14, 15, 17, 19, 22	1836S	8x1.2, 10x1.6, 12x2.0	3824	
	4335MR	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	1836T	T40, T45, T50, T55, T60	414810S	
	463516R		1836H	H7, H8, H10, H12, H14	2792	4791R
		463521R	1836Z	PZ3, PZ4	2745	7702-25

# Socket & Tool Set

7082MR

7582MR

1/4"+1/2"

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

83  
PC.



HAND SOCKET & ACCESSORIES

KT NO.

Contents

5.65 1/4

7082MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32 463016R     463021R	8, 10, 11, 12, 13, 14, 17, 19 PH1, PH2 4, 5.5, 6.5 T8, T10, T15, T20, T25, T27, T30 H3, H4, H5, H6	T40, T45, T50, T55 PZ3, PZ4         
7582MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32 463516R     463521R	PZ1, PZ2 PH3, PH4 8x1.2, 10x1.6, 12x2.0 H8, H10, H12, H14	     

# Socket Set

7077MR

7577MR

1/4"+1/2"

Blow case size (mm) :  
422 x 360 x 110 ( 0.59 Cuft)

77  
PC.



KT NO.	Contents		kg 7.52	1/2
7077MR	2330M 4, 5, 6, 7, 8, 9, 10, 11, 12	463016R	1.5, 2, 2.5 1115-03	2771-55G
	2230M 8, 10, 12, 13		PH1, PH2, PH3 1025P	4771-10GR
	4330MR 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32	463021R	3, 4, 5, 6 1025S	6111-07
7577MR	2335M 4, 5, 6, 7, 8, 9, 10, 11, 12	463516R	H3, H4, H5, H6 1025H	6516-10
	2235M 8, 10, 12, 13		T10, T15, T20, T25, T27, T30, T40 1025T	2178DF
	4335MR 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32	463521R	PH1 x 80, PH2 x 100, PH3 x 150 1421	7821-50
		4 x 100, 6.5 x 100 1422	2571-45	
		8, 10, 12, 13, 14, 15, 17, 19 1060	2221-03	
			2312-06	
			4222-10	
			4251-05R	
			2792	
			4791R	
			3824	
			2141	

# Socket & Tool Set

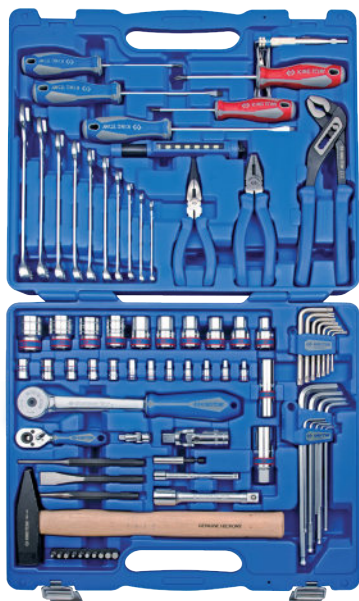
7081MR

7581MR

7581MR01

1/4"+1/2"

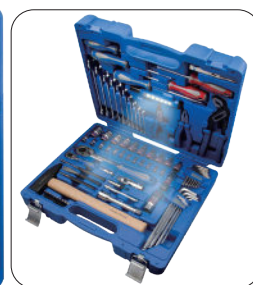
Blow case size (mm) :  
422 x 360 x 110 ( 0.59 cuft)



7581MR01



7581MR / 7081MR



81  
PC.

HAND SOCKET & ACCESSORIES

KT NO.

Contents

7.14 1/2

KT NO.	Contents		7.14   1/2
7081MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	4771-10GR	463016R 463021R PH1 x 80, PH2 x 100 4 x 100, 5.5 x 125, 6.5 x 150 H3, H4, H5, H6, H7, H8 T20, T25, T30, T40 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10 T10H, T15H, T20H, T25H, T27H, T30H, T40H 6, 7, 8, 10, 12, 13, 14, 15, 17, 19 6111-06 6311-06 6516-10 76215-05 76404-06 2221-04 79831 7821-50 4251-05R 2792 4791R
7581MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	4771-10GR	463516R 463521R PH1 x 80, PH2 x 100 4 x 100, 5.5 x 125, 6.5 x 150 H3, H4, H5, H6, H7, H8 T20, T25, T30, T40 H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10 T10H, T15H, T20H, T25H, T27H, T30H, T40H 6, 7, 8, 10, 12, 13, 14, 15, 17, 19 6111-06 6311-06 6516-10 76215-05 76404-06 2221-04 79831 7821-50 4251-05R 2792 4791R
7581MR01	10, 11, 12, 13, 14, 15, 17, 19, 22, 24	4755-10G	

# Socket & Tool Set

7087MR

7587MR

7587MR01

7587SR

1/4"+1/2"

Blow case size (mm) :  
422 x 360 x 110 (0.59 cuft)



7087MR / 7587MR























































7587MR01



7587SR

87  
PC.

HAND SOCKET & ACCESSORIES

KT NO.	Contents		Kg 9.2   1/2	
7087MR	<ul style="list-style-type: none"> <li> 5, 5.5, 6, 7, 8, 10, 11, 12, 13 2330M</li> <li> 7, 8, 10, 12, 13 2230M</li> <li> 10, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32 4330MR</li> <li> 8, 10, 12, 13, 14, 15, 17, 18, 19, 22 1060</li> </ul>	<ul style="list-style-type: none"> <li> 20107MR01</li> </ul>	<ul style="list-style-type: none"> <li> 2312-06</li> <li> 463016R</li> </ul>	<ul style="list-style-type: none"> <li> H5, H6, H7, H8, H10, H12 1636H</li> <li> M6, M8, M10, M12 1636M</li> <li> T30, T40, T45, T50, T55, T60 1636T</li> </ul>
7587MR	<ul style="list-style-type: none"> <li> 5, 5.5, 6, 7, 8, 10, 11, 12, 13 2335M</li> <li> 7, 8, 10, 12, 13 2235M</li> <li> 10, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32 4335MR</li> <li> 8, 10, 12, 13, 14, 15, 17, 18, 19, 22 1060</li> </ul>	<ul style="list-style-type: none"> <li> 20107MR01</li> </ul>	<ul style="list-style-type: none"> <li> 2312-06</li> <li> 2221-06</li> </ul>	<ul style="list-style-type: none"> <li> PH1 x 80, PH2 x 100 1421</li> <li> 4 x 100, 5.5 x 100 1422</li> </ul>
7587MR01	<ul style="list-style-type: none"> <li> 5, 5.5, 6, 7, 8, 10, 11, 12, 13 2335M</li> <li> 7, 8, 10, 12, 13 2235M</li> <li> 10, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 27, 30, 32 4335MR</li> <li> 8, 10, 12, 13, 14, 15, 17, 18, 19, 22 1060</li> <li> 463516R</li> <li> 20107MR01</li> </ul>	<ul style="list-style-type: none"> <li> 20107SR</li> </ul>	<ul style="list-style-type: none"> <li> 2312-06</li> <li> 463516R</li> </ul>	<ul style="list-style-type: none"> <li> 463014R</li> <li> 414810M</li> <li> 4791R</li> <li> 2792</li> <li> 4251-05R</li> <li> 2571-45</li> <li> 4453-15FR</li> </ul>
7587SR	<ul style="list-style-type: none"> <li> 5/32, 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 2335S</li> <li> 9/32, 5/16, 3/8, 7/16, 1/2 2235S</li> <li> 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4 4335SR</li> <li> 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8 5060</li> </ul>	<ul style="list-style-type: none"> <li> 20107SR</li> </ul>	<ul style="list-style-type: none"> <li> 2312-06</li> <li> 463516R</li> </ul>	<ul style="list-style-type: none"> <li> 2779-55G</li> <li> 4779-10GR</li> <li> 6111-06</li> <li> 6231-07</li> <li> 6516-10</li> <li> 20407PR</li> <li> 19980016</li> <li> 19980410</li> </ul>

# Socket & Tool Set

7098MR

7598MR

1/4"+1/2"

Blow case size (mm) :  
422 x 360 x 110 (0.59 cuft)

97  
PC.



HAND SOCKET & ACCESSORIES

KT NO.	Contents		Weight 8.87	Volume 1/2
7098MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	PH2 x 38, PH2 x 100, PH3 x 150		
	7, 8, 10, 12, 13	4 x 100, 6.5 x 38		
	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	6.5 x 150		
		4, 5.5, 7, 8		
7598MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8, H10		
	7, 8, 10, 12, 13	T8H, T10H, T15H, T20H, T25H, T27H, T30H, T40H		
	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	PZ1, PZ2, PZ3		
		6, 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19		



# Socket & Tool Set

7003MR































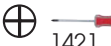







7503MR

1/4"+1/2"

Blow case size (mm) :  
422 x 360 x 110 ( 0.59 Cuft)



103  
PC.

KT NO.	Contents		kg 9.24	1/2	
7003MR	  4, 4.5, 5, 5.5, 6, 7, 8, 9, 10 2330M	 E4, E5, E6, E7, E8, E10 2375M		4771-10GR	
	  8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 4330MR	 E11, E12, E14, E16, E18 4375M		2771-55G	
	  463016R	  463021R	 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 1060		6111-07
			 8 x 10, 11 x 13, 12 x 14, 17 x 19 1930		2178DF
7503MR	  4, 4.5, 5, 5.5, 6, 7, 8, 9, 10 2335M	 H2, H2.5, H3, H4, H5, H6, H7, H8, H10 1025H		3611-08R	
	  8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 4335MR	 M4, M5, M6, M8, M10 1025M		2221-03 2221-06	
	  463516R	 T15, T20, T25, T27, T30, T40, T45, T50 1025T		2571-45 4572-10	
	  463521R	 PH1 x 80, PH2 x 100 1421		2312-06	
		 5.5 x 125, 6.5 x 150 1422		4251-05R 4251-10R	
				2792 4791R	
				4223-02R	
			2128-26		
			2141		

# Socket & Tool Set

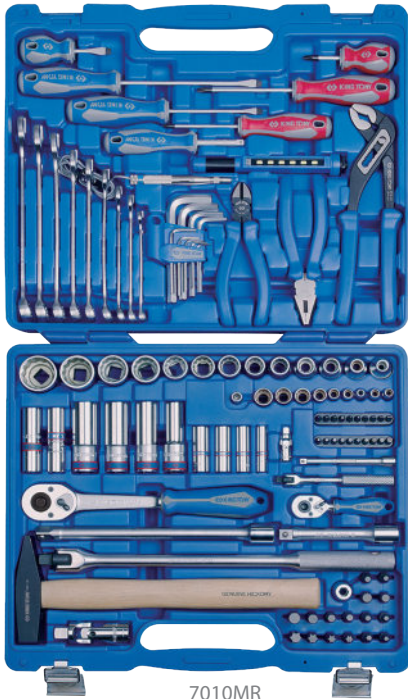
7010MR

7510MR

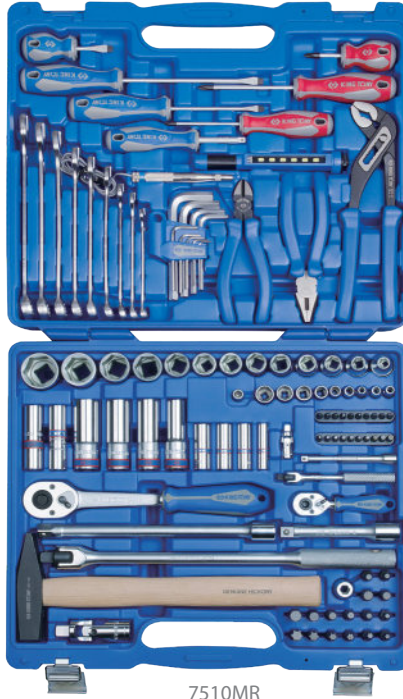
1/4"+1/2"

Blow case size (mm) :  
422 x 360 x 110 (0.59 cuft)

110  
PC.



7010MR



7510MR



HAND SOCKET & ACCESSORIES

KT NO.

Contents

9.2 1/2

7010MR	8, 10, 12, 13 2230M	PH0, PH1, PH2, PH3 1025P	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 1145MR
	5, 5.5, 6, 7, 8, 10, 12, 13, 14 2330M	H2.5, H3, H4, H5, H6 1025H	8, 10, 12, 13, 14, 15, 17, 18, 19 1060
	14, 17, 19, 22 4230M	3, 4, 5, 6.5 1025S	4771-10GR  276A-04G
	8, 10, 12, 13, 14, 15, 17, 18, 19, 22, 24, 27, 30 4330MR	T15, T20, T25, T27, T30 1025T	2178DF  6111-06  6211-06
	463014RC  463016R	PZ1, PZ2 1025Z	6516-10  79831
7510MR	8, 10, 12, 13 2235M	H5, H6, H7, H8, H10, H12 1636H	4452-15FR  2452-05F
	5, 5.5, 6, 7, 8, 10, 12, 13, 14 2335M	M6, M8, M10, M12 1636M	4251-05R  2221-04
	14, 17, 19, 22 4235M	T30, T40, T45, T50, T55, T60 1636T	9DC22  7821-50
	8, 10, 12, 13, 14, 15, 17, 18, 19, 22, 24, 27, 30 4335MR	No.1 x 80, No.2 x 100, No.2 x 38 1421	4791R  2792  414810M
	463514RC  463516R	5.5 x 100, 6.5 x 150, 6.5 x 38 1422	2141

# Socket & Tool Set

7028MR

7528MR

7528MR01

1/4"+1/2"

Blow case size (mm) :  
560 x 400 x 110 ( 0.87 Cuft)

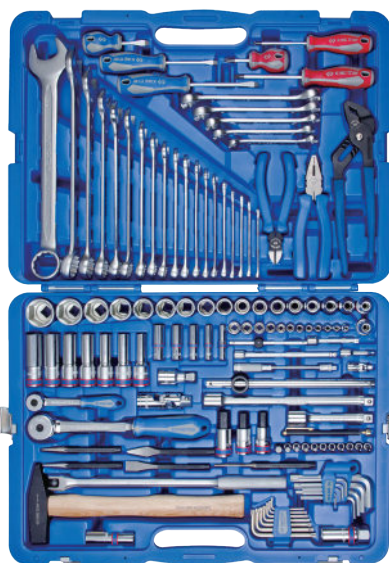
128  
PC.



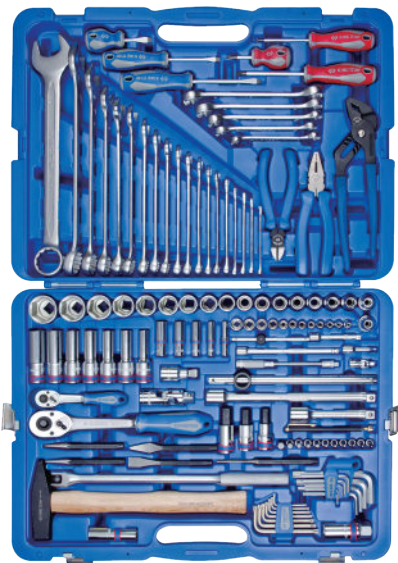
HAND SOCKET & ACCESSORIES



7028MR



7528MR



7528MR01

KT NO.	Contents		14.95	1 / 2
7028MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2330M		1060	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32
	7, 8, 10, 12, 13 2230M		1930	8 x 10, 9 x 11, 12 x 13, 14 x 17, 17 x 19
	10, 12, 13, 14, 15, 17, 19 4230M	2755-55G	1143	T10, T15, T20, T25, T27, T30, T40
	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 4330MR	4755-10G	1145	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10
	463016R  463021R		1421	PH1 x 80, PH2 x 38, PH2 x 100
7528MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2335M		1422	5 x 75, 6.5 x 38, 6.5 x 100
	7, 8, 10, 12, 13 2235M	2755-55G	2033	T10, T15, T20, T25, T27
	10, 12, 13, 14, 15, 17, 19 4235M	4755-10G	2035	H4, H5, H6, H7, H8, H10
	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 4335MR	2771-55G	4025	H12, H14, H17
	463516R  463521R	4771-10GR	7821-50	
7528MR01			6111-07	2311-06
			6211-06	2293-02 2293-06
			6511-10C	2221-03 2221-06
			4452-15FR	4251-05R 4251-10R
			2571-45	76215-05 76404-06
		4572-10	76505-05 76104-05 76303-05	
			4223-02R	2128-26
			2792	4223-02R
			4791R	2792 4791R

# Socket & Tool Set

**7053MR01**

Blow case size (mm) :  
560 x 400 x 110 (0.87 cuft)

**7553MR01**

**1/4"+1/2"**

**153  
PC.**



7053MR01



7553MR01

HAND SOCKET & ACCESSORIES

KT NO.

Contents

14.17 Kg / 1 / 2

KT NO.	Contents	14.17 Kg	1 / 2
7053MR01	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	2375M E4, E5, E6, E7, E8	1680H H5, H6, H7, H8, H10, H12
	4330MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4375M E10, E12, E14, E16, E18, E20	1680M M6, M8, M10, M12
	2230M 6, 7, 8, 9, 10, 11, 12, 13	1461 PH1 x 75, PH2 x 100	1680T T25, T30, T40, T45, T50, T55
	4230M 13, 14, 17, 19, 22	1462 5.5 x 100, 6.5 x 150	463014RC 463016R
7553MR01	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	1421 PH2 x 38	1060 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27
	4335MR 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	1422 6.5 x 38	1930 8x10, 11x13, 12x14
	2235M 6, 7, 8, 9, 10, 11, 12, 13	1025S 4, 5, 6.5	4771-10GR 2771-55G
	4235M 13, 14, 17, 19, 22	1025P PH0, PH1, PH2	6511-10 6111-06
		1025H H3, H4, H5, H6	6211-06 2178DF
		1025Z PZ1, PZ2, PZ3	4462-18FR 2452-05F
		1025T T10, T15, T20, T25, T27, T30, T40	2221-02 4251-05R 4251-10R
		1636H H5, H6, H7, H8, H10, H12	2792 4791R
		1636M M6, M8, M10, M12	4223-02R 2142
		1636T T30, T40, T45, T50, T55, T60	414810M

# Socket & Wrench Set

9043MR

Blow case size (mm) :  
560 x 400 x 110 (0.87 cuft)

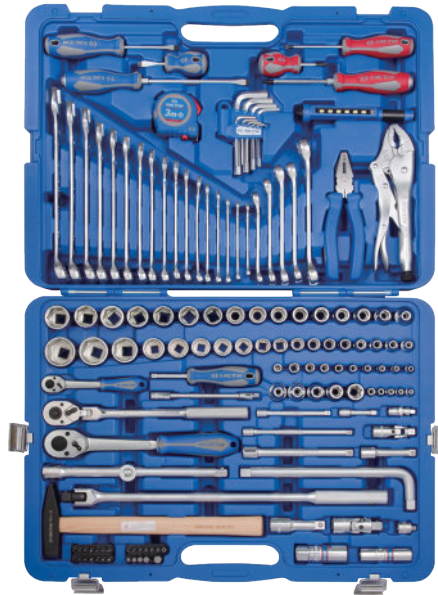
9543MR

1/4"+3/8"+1/2"

143  
PC.



9043MR



9543MR



KT NO.	Contents	13.7	1/2
9043MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10 2330M	E4, E5, E6, E7, E8 2375M	H1.5, H2.0, H2.5, H3.0, H4.0, H5.0, H6.0, H8.0, H10 1145MR
	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22 3330M	E10, E12, E14, E16, E20 4375M	4771-10GR
	8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32 4330MR	PH0, PH1, PH2, PH3 1025P	2771-55G
	16, 21 4630R	PH2, PH3 1025S	2178DF
9543MR	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10 2335M	4, 5.5, 7 1025S	6111-07
	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22 3330M	T10H, T15H, T20H, T25H, T27H, T30H, T40H 1025U	3781-11F
	8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32 4335MR	H2, H3, H4, H5, H6, H7, H8, H10 1025H	4452-18FR
	16, 21 4635R	PZ0, PZ1, PZ2, PZ3 1025Z	4581-10
		PH2 x 38, PH1 x 80 1421	6011-10R
		PH2 x 100 1461	4222-10
		6.5 x 38, 5.5 x 75 1422	2312-06
		6.5 x 150 1462	2221-02
		6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 1060	2221-04
		8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19 1930	2221-06
		3221-03	
		3221-06	
		4251-03R	
		3824	
		3812	
		2141	
		2792	
		3792	
		4791R	
		7821-30	
		79093-03M	
		79831	

# Socket & Wrench Set

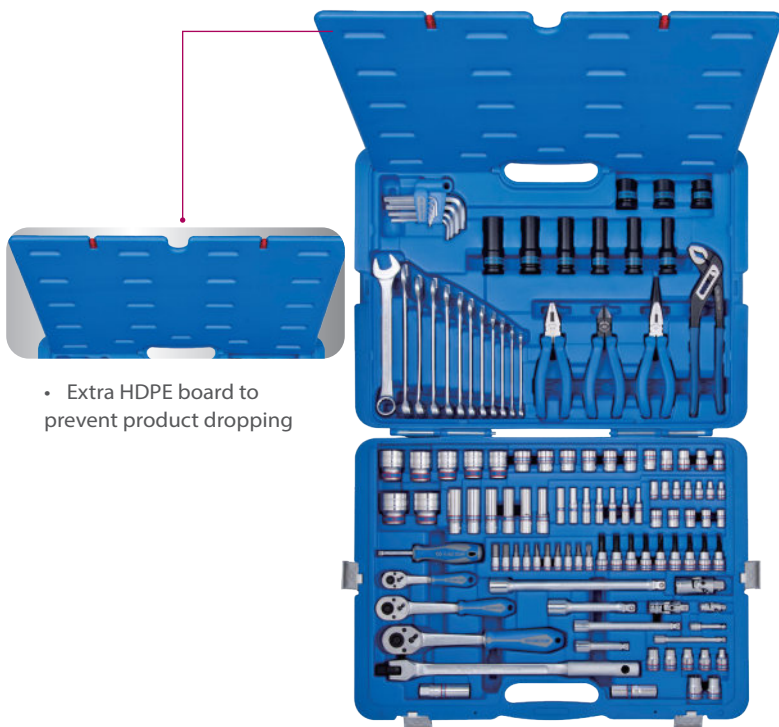
9519MR50

1/4"+3/8"+1/2"

Blow case size (mm) :  
560 x 400 x 110 (0.87 cuft)

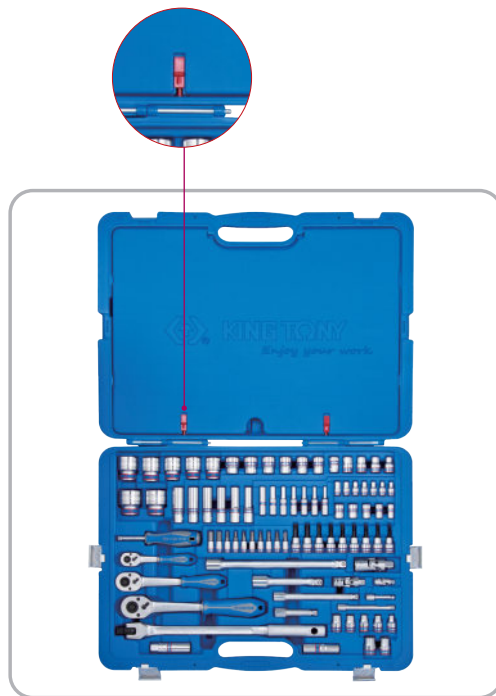
119  
PC.

HAND SOCKET & ACCESSORIES



• Extra HDPE board to prevent product dropping

• Extra hinge design



## Contents

	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13
	3335M	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
	4335MR	20, 21, 22, 24, 27, 30, 32
	2235M	4, 4.5, 5, 5.5, 6, 7, 8
	3235M	10, 11, 12, 13, 14, 15
	3375M	E8, E10, E11, E12, E14, E16, E18
	2031	PH1, PH2, PH3
	2032	5.5, 6.5
	2035	H3, H4, H6, H8, H10
	3023	T10, T15, T20, T25, T27, T30, T40, T45, T50

## Contents

12.48 1 / 2

	4535M	17, 19, 21									
	4435M	10, 12, 13, 14, 17, 19									
	1060	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19									
	36A014		366516		2178DF		4453-15F				
	2293-02		3293-03		4293-05		2792		3792		4791R
	2293-04		3293-06		4293-10		2792		3792		4791R
	6516-10C		6111-06		6211-06		6311-08				
	2771-55G		3771-08G		4771-10GR		20219MR				

# Tools Bag Set

**92543MR**

**92543MR01** 1/4"

Tool bag size (mm) :  
250 x 400 x 30 (0.11 cuft)

43  
PC.



92543MR



92543MR01

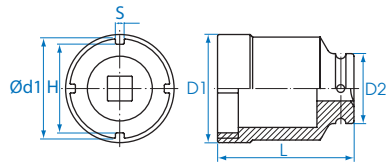
KT NO.	Contents		2.49 1 / 10		
92543MR		4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 2335M			
		PH0 x 60, PH1 x 100, PH2 x 38, PH2 x 150			
		3.0 x 75, 6.5 x 38, 6.5 x 150			
92543MR01		PZ1, PZ2, PZ3 1025Z			
		T10, T15, T20, T25, T27, T30, T40 1025T			

# Axial Lock Nut Socket

**44K9M** 1/2"

**64K9M** 3/4"

▪ Specially for SKF bearing



KT NO.	Designation	mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm		
44K928M	TMFS 3	28	1/2	24.4	3.8	36	30	30	90	382	1 / 24
44K932M	TMFS 4	32	1/2	28.4	3.8	38	30	34	90	378	1 / 24
44K938M	TMFS 5	38	1/2	34.4	4.8	46	30	40	90	559	1 / 24
64K975M	TMFS 11	75	3/4	69.4	6.8	83.5	54	77	105	1645	1 / 6

# External & Internal KM Locknut Socket




44K7  1/2"




64K7  3/4"

44K8  1/2"

64K8  3/4"

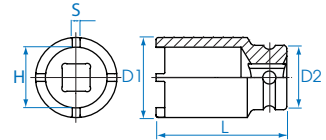
- Specially for SKF bearing

KT NO.	Designation	 mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm		
44K732M	TMFS 4	32	1/2	28.3	3.7	37.3	30	28.3	60	207	1 / 24
44K738M	TMFS 5	38	1/2	34.3	4.7	44.3	30	34.3	60	259	1 / 24
44K745M	TMFS 6	45	1/2	41.3	4.7	52.3	30	41.3	60	321	1 / 24
44K752M	TMFS 7	52	1/2	48.3	4.7	59.3	30	48.3	60	350	1 / 20
44K758M	TMFS 8	58	1/2	53.6	4.7	65.5	30	53.5	60	422	1 / 20
64K765M	TMFS 9	65	3/4	60.5	5.7	73.5	42	60.5	68	601	1 / 20
64K770M	TMFS 10	70	3/4	65.5	5.7	78.5	42	65.5	68	625	1 / 12
64K775M	TMFS 11	75	3/4	69.5	6.7	82.6	42	59.5	68	664	1 / 12
64K780M	TMFS 12	80	3/4	74.5	6.7	87.7	42	74.5	68	691	1 / 12

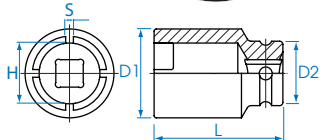
KT NO.	Designation	 mm	DR.	H mm	S mm	D1 mm	D2 mm	Ød1 mm	L mm		
44K832M	TMFS 4	32	1/2	28.3	3.7	41.5	30	34.5	60	282	1 / 24
44K838M	TMFS 5	38	1/2	34.3	4.7	49.5	30	40.7	60	365	1 / 24
44K845M	TMFS 6	45	1/2	41.3	4.7	59.0	30	48.0	60	474	1 / 24
44K852M	TMFS 7	52	1/2	48.3	4.7	66.0	30	54.8	60	540	1 / 20
44K858M	TMFS 8	58	1/2	53.5	5.7	73.0	30	60.8	60	582	1 / 20
64K865M	TMFS 9	65	3/4	60.5	5.7	80.0	42	67.7	68	915	1 / 20
64K870M	TMFS 10	70	3/4	65.5	5.7	86.0	42	72.7	68	1022	1 / 12
64K875M	TMFS 11	75	3/4	69.5	6.7	93.0	42	78.8	68	1167	1 / 12
64K880M	TMFS 12	80	3/4	74.5	6.7	98.0	42	83.5	68	1329	1 / 12



44K7 & 64K7




44K8 & 64K8








Application: Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc.  
Trucks, land and construction machines, municipally and forestry technology etc.

## Internal KM Locknut Socket Set

7K09MP

 1/2" + 3/4"

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Use in conjunction with extensions, ratchets etc.
- Working range KM4 to KM12 (nuts of ball bearing)


Contents	 7.90		
 44K8	TMFS 4, 5, 6, 7, 8		
 64K8	TMFS 9, 10, 11, 12		








9 PC.

## External KM Locknut Socket Set

7K09MP01

 1/2" + 3/4"

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Slim design
- Working range KM4 to KM12 (nuts of ball bearing)

Contents	 5.33		
 44K7	TMFS 4, 5, 6, 7, 8		
 64K7	TMFS 9, 10, 11, 12		



9 PC.







## Professional production & quality control



**KING TONY impact socket 50% higher torque on performance.**

Quality control also ensure that a sufficient level of production output. King Tony uses advance technology to inspect tiny difference on each step. Our Impact socket reach 50% higher torque than DIN standards.

# IMPACT SOCKETS & ACCESSORIES

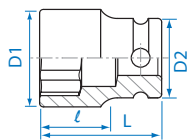


# Standard Impact Socket & Rail Set

## 2535M

1/4"

- DIN 3129, ISO 2725-2



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg	pc
253504M	4	7.5	13	4	23	12	20	600
253505M	4.5	8.1	13	5	23	12	20	600
253506M	5	8.8	13	6	23	11	20	600
253507M	5.5	9.4	13	6	23	12	20	600
253508M	6	10.0	13	7	23	13	20	600
253509M	7	11.3	13	7	23	13	20	600
253510M	8	12.5	13	8	23	13	20	600
253511M	9	13.8	13	8	23	12	12	360
253512M	10	15.0	13	9	23	17	12	360
253513M	11	16.3	13	9	23	20	12	360
253514M	12	17.5	13	9	23	21	12	360
253515M	13	18.8	13	9	23	22	12	360
253516M	14	19.8	13	9	23	23	10	300

## 2413MP8

1/4"

- Socket rail 280mmL

13 PC.



Contents

0.25 kg 50

KT NO.	Spec.	D mm	g	kg	pc
2535M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14				

8721116

## Impact Accessory

### 2863P

1/4"

- Adapter
- Convert to 3/8" drive
- DIN 3121



KT NO.	Spec.	D mm	g	kg	pc
2863P	1/4" F x 3/8" M	14	20		12 / 360

## Standard Impact Socket

### 3535M

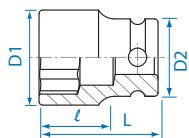
3/8"

- DIN 3129, ISO 2725-2

### 3535S

3/8"

- ANSI / ASME B107.2



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg	pc
353506M	6	10.6	19	5	32	33	12	360
353507M	7	11.8	19	5	32	33	12	360
353508M	8	13.2	19	6	32	35	12	360
353509M	9	14.5	19	6	32	36	12	360
353510M	10	15.5	19	7	32	37	12	360
353511M	11	17.0	19	7	32	39	12	360
353512M	12	18.2	19	8	32	39	12	360
353513M	13	19.4	22	9	32	53	10	200
353514M	14	20.7	22	9	32	54	10	200
353515M	15	22.0	22	10	32	56	10	200
353516M	16	23.8	22	10	32	57	10	200
353517M	17	24.8	22	11	32	58	10	200
353518M	18	25.8	22	11	32	62	10	200
353519M	19	27.6	22	13	32	63	10	160

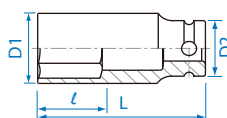
KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg	pc
353508S	1/4	10.8	19	5	32	32	12	360
353510S	5/16	13.0	19	6	32	36	12	360
353512S	3/8	15.3	19	7	32	38	12	360
353514S	7/16	17.0	19	7	32	38	12	360
353516S	1/2	18.2	19	9	32	53	12	360
353518S	9/16	20.7	22	9	32	53	10	200
353520S	5/8	23.8	22	10	32	57	10	200
353522S	11/16	24.5	22	11	32	60	10	200
353524S	3/4	27.0	22	11	32	61	10	160

## Deep Impact Socket

### 3435M

3/8"

- DIN 3121



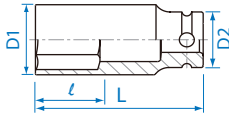
KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg	pc
343506M	6	10.6	19	10	65	50	6	120
343507M	7	11.8	19	10	65	55	6	120
343508M	8	13.2	19	12	65	68	6	120
343509M	9	14.5	19	12	65	65	6	120
343510M	10	15.5	19	12	65	82	6	120
343511M	11	17.0	19	13	65	75	6	120
343512M	12	18.2	19	14	65	89	6	120
343513M	13	19.4	22	14	65	111	6	120
343514M	14	20.7	22	14	65	109	6	120
343515M	15	22.0	22	16	65	112	6	120
343516M	16	23.8	22	16	65	126	6	96
343517M	17	24.8	22	17	65	143	6	96
343518M	18	25.8	22	18	65	133	6	96
343519M	19	27.6	22	20	65	171	6	96
343520M	20	28.3	22	20	65	154	6	96
343521M	21	29.5	22	22	65	161	6	96
343522M	22	30.8	22	22	65	178	5	60
343523M	23	32.0	22	24	65	177	5	60
343524M	24	32.5	22	24	65	176	5	60

# Deep Impact Socket

3435S

3/8"

- ANSI / ASME B107.2



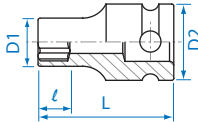
KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg
343508S	1/4	10.8	19	10	63.5	62	6 / 120
343510S	5/16	13.0	19	12	63.5	71	6 / 120
343512S	3/8	15.3	19	12	63.5	82	6 / 120
343514S	7/16	17.0	19	13	63.5	84	6 / 120
343516S	1/2	18.2	19	14	63.5	113	6 / 120
343518S	9/16	20.7	22	14	65	114	6 / 120
343520S	5/8	23.8	22	16	65	126	6 / 96
343522S	11/16	24.5	22	17	65	138	6 / 96
343524S	3/4	27.0	22	20	65	154	6 / 96
343526S	13/16	29.5	22	22	65	156	6 / 96
343528S	7/8	30.8	22	22	65	172	5 / 60

# Impact Star Socket

3575M

3/8"

- For torx external screw
- DIN 3121



KT NO.	Size	D1 mm	D2 mm	l mm	L mm	g	kg
357505M	E5	9.6	19	4.0	32	31	12 / 360
357506M	E6	10.2	19	5.0	32	31	12 / 360
357507M	E7	10.8	19	6.0	32	33	12 / 360
357508M	E8	11.5	19	6.5	32	35	12 / 360
357510M	E10	12.0	19	7.0	32	33	12 / 360
357512M	E12	14.0	19	9.0	32	34	12 / 360
357514M	E14	17.0	19	9.5	32	40	12 / 360

# Impact Bit Socket

KT No. & D1



- Air pressure must not exceed 90PSI (6.3bar)
- Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

3051

3/8"

- For phillips head screw
- DIN 3121



KT NO.	No.	L mm	g	kg
305101	PH1	55	33	12 / 360
305102	PH2	55	35	12 / 360
305103	PH3	55	40	12 / 360
305104	PH4	55	45	12 / 360

3052

3/8"

- For slotted head screw
- DIN 3121



KT NO.	Tip width mm	L mm	g	kg
305255	5.5	55	32	12 / 360
305208	8	55	39	12 / 360
305210	10	55	45	12 / 360

3055M

3/8"

- For hexagon head screw
- DIN 3121



KT NO.	mm	L mm	Max. torq N-m	g	kg
305504M	H4	55	20.8	34	12 / 360
305505M	H5	55	36.0	38	12 / 360
305506M	H6	55	62.4	40	12 / 360
305507M	H7	55	97.0	43	12 / 360
305508M	H8	55	144.0	46	12 / 360
305510M	H10	55	264.0	55	12 / 360
305512M	H12	55	480.0	65	12 / 360
305514M	H14	55	650.0	77	12 / 288
305516M	H16	55	680.0	91	12 / 288
305517M	H17	55	715.0	99	12 / 288

3055S

3/8"

- For hexagon head
- DIN 3121



KT NO.	inch	L mm	Max. torq N-m	g	kg
305504S	1/8	55	18.8	34	12 / 360
305545S	9/64	55	20.8	34	12 / 360
305505S	5/32	55	22.5	36	12 / 360
305506S	3/16	55	36.0	36	12 / 360
305507S	7/32	55	62.4	38	12 / 360
305508S	1/4	55	93.6	41	12 / 360
305510S	5/16	55	144.0	46	12 / 360
305512S	3/8	55	264.0	54	12 / 360
305516S	1/2	55	518.0	71	12 / 360

# Impact Bit Socket

KT No. & D1

## 3065M

3/8"

- For hexagon head screw
- DIN 3121



KT NO.	mm	L mm	Max. torq N-m	g	kg
306504M	H4	90	20.8	39	8 / 160
306505M	H5	90	36.0	44	8 / 160
306506M	H6	90	62.4	50	8 / 160
306508M	H8	90	144.0	66	8 / 160
306510M	H10	90	264.0	86	8 / 160

## 3053

## 3063

3/8"

- For torx internal screw
- DIN 3121



KT NO.	Size	L mm	g	kg
305310	T10	55	35	12 / 360
305315	T15	55	34	12 / 360
305320	T20	55	35	12 / 360
305325	T25	55	36	12 / 360
305327	T27	55	36	12 / 360
305330	T30	55	36	12 / 360
305340	T40	55	39	12 / 360
305345	T45	55	43	12 / 360
305350	T50	55	44	12 / 360
305355	T55	55	52	12 / 288
305360	T60	55	60	12 / 288
306320	T20	90	42	8 / 160
306325	T25	90	42	8 / 160
306327	T27	90	43	8 / 160
306330	T30	90	45	8 / 160
306340	T40	90	50	8 / 160
306345	T45	90	57	8 / 160
306350	T50	90	64	8 / 160
306355	T55	90	82	8 / 160

# Impact Accessory

## 3862P

3/8"

- Adapter
- Convert to 1/4" drive
- 3862P → Max. torque : 62 N-m
- DIN 3121



KT NO.	Spec.	D mm	g	kg
3862P	3/8" F x 1/4" M	20.8	32	24 / 384

## 3864P

3/8"

- Adapter
- Convert to 1/2" drive
- DIN 3121



KT NO.	Spec.	D mm	g	kg
3864P	3/8" F x 1/2" M	20.8	53	24 / 384

## 3147

3/8"

- Bit holder



KT NO.	Size	L mm	g	kg
314708S	1/4"	40	41	12 / 420
314710S	5/16"	40	43	12 / 420
314710M	10mm	40	42	12 / 420

## 3260P

3/8"

- Extension bar
- DIN 3121

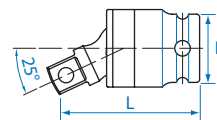


KT NO.	Overall length inch	Overall length mm	g	kg
3260-03P	3	75	98	6 / 120
3260-04P	4	100	121	8 / 160
3260-05P	5	125	147	8 / 144
3260-06P	6	150	169	5 / 100
3260-08P	8	200	217	6 / 72
3260-10P	10	250	264	6 / 54

## 3796P

3/8"

- Universal joint
- DIN 3121



KT NO.	Overall length inch	Overall length mm	D mm	g	kg
3796P	2	50	22	87	10 / 200

## 90608

## 90609

3/8"

- Locking pin
- Chrome vanadium steel
- DIN 3129



KT NO.	Disp.	∅	d / ℓ	Applied to socket sizes
90608	pin	2.5	14	3535M (6~12 mm) 3535S (1/4~1/2 inch)
				3435M (6~12 mm) 3435S (1/4~1/2 inch)
				3055M (4~12 mm) 3055S (3/16~1/2 inch)
				3065M (4~10 mm) 3053 (T10~T15)
				3575M (E5~E14)
				3053.3055.3065.3147.3862.3864
90609	pin	2.5	16	3535M (13~19 mm) 3535S (9/16~3/4 inch)
				3435M (13~24 mm) 3435S (9/16~7/8 inch)
				3260.3796

# Impact Bit Socket Set

**3406MP**

**3/8"**

- For hexagon head screw
- 55mmL

Metal case size (mm) :  
203 x 79 x 41 (0.023 cuft)

**6**  
PC.



Contents 0.72 1 / 20

3055M H4, H5, H6, H8, H10, H12

**3410MP**

**3/8"**

- For hexagon head screw
- 55mmL

Metal case size (mm) :  
270 x 73 x 46 (0.032 cuft)

**10**  
PC.



Contents 1.05 1 / 20

3055M H4, H5, H6, H7, H8, H10, H12  
H14, H16, H17

**3419PP**

**3/8"**

- For torx internal head
- 55mmL

Metal case size (mm) :  
203 x 79 x 41 (0.023 cuft)

**9**  
PC.



Contents 0.62 1 / 20

3053 T10, T15, T20, T25, T27, T30, T40,  
T45, T50

# Standard Impact Socket

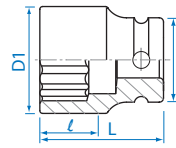
KT No. & D1



**4530M**

**1/2"**

- DIN 3129, ISO 2725-2

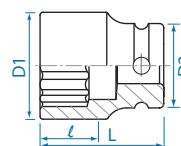


KT NO.	mm	D1 mm	D2 mm	l mm	L mm		
453008M	8	15.0	25	7	38	65	10 / 200
453009M	9	16.3	25	7	38	68	10 / 200
453010M	10	17.6	25	8	38	68	10 / 200
453011M	11	18.8	25	8	38	69	10 / 200
453012M	12	20.0	25	9	38	73	10 / 200
453013M	13	21.2	25	10	38	71	10 / 200
453014M	14	22.5	25	10	38	78	10 / 200
453015M	15	23.8	30	11	38	111	10 / 160
453016M	16	25.0	30	11	38	118	10 / 160
453017M	17	26.2	30	12	38	116	10 / 160
453018M	18	27.5	30	13	38	115	10 / 160
453019M	19	28.8	30	13	38	114	10 / 160
453020M	20	29.5	30	13	38	117	10 / 160
453021M	21	30.0	30	14	40	121	8 / 160
453022M	22	32.4	30	14	40	129	8 / 160
453023M	23	33.2	30	15	40	130	8 / 160
453024M	24	34.4	30	15	42	147	6 / 120
453025M	25	36.0	30	15	42	164	6 / 120
453026M	26	37.0	30	15	42	168	6 / 120
453027M	27	38.0	30	16	44	170	6 / 120
453028M	28	41.0	30	16	44	205	6 / 120
453029M	29	41.0	30	17	44	184	6 / 120
453030M	30	42.0	30.5	17	44	197	6 / 120
453032M	32	46.0	30	19	44	226	6 / 120
453033M	33	46.0	30	19	46	246	6 / 96
453034M	34	46.0	30	20	46	217	6 / 96
453036M	36	47.0	30	20	46	214	6 / 96
453038M	38	50.0	30	21	50	279	6 / 60
453041M	41	56.0	30	22	52	402	6 / 60

**4530S**

**1/2"**

- ANSI / ASME B107.2



KT NO.	inch	D1 mm	D2 mm	l mm	L mm		
453016S	1/2	20	25	10	38	72	10 / 200
453018S	9/16	22	25	10	38	76	10 / 200
453020S	5/8	24	25	11	38	78	10 / 200
453022S	11/16	26	30	12	38	116	10 / 160
453024S	3/4	28.8	30	13	38	120	10 / 160
453026S	13/16	30	30	14	40	122	8 / 160
453028S	7/8	32	30	14	40	138	8 / 160
453030S	15/16	34	30	15	42	148	6 / 120
453032S	1	36	30	15	42	162	6 / 120
453034S	1-1/16	38	30	16	44	167	6 / 120
453036S	1-1/8	41	30	17	44	189	6 / 120
453038S	1-3/16	42	30.5	17	44	203	6 / 120

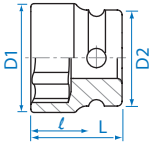
# Stubby Impact Socket

4525M

1/2"

- For impact wrench use
- DIN 3129, ISO 2725-2

19, 22, 24 mm



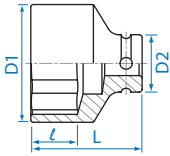
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
452513M	13	20	26	5.5	28.5	57	10 / 160
452514M	14	22	26	5.5	28.5	61	10 / 160
452517M	17	26	26	5.5	28.5	64	10 / 160
452519M	19	28	26	10	28.5	63	10 / 160
452521M	21	30	30	10	28.5	81	8 / 160
452522M	22	32	30	10	28.5	87	8 / 160
452524M	24	34	30	10	28.5	80	6 / 120

# Standard Impact Socket

4535M

1/2"

- DIN 3129, ISO 2725-2



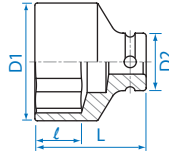
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
453508M	8	15.0	25	7	38	67	10 / 200
453509M	9	16.3	25	7	38	69	10 / 200
453510M	10	17.6	25	8	38	70	10 / 200
453511M	11	18.8	25	8	38	71	10 / 200
453512M	12	20.0	25	9	38	73	10 / 200
453513M	13	21.2	25	10	38	75	10 / 200
453514M	14	22.5	25	10	38	78	10 / 200
453515M	15	23.8	30	11	38	117	10 / 160
453516M	16	25.0	30	11	38	118	10 / 160
453517M	17	26.2	30	12	38	121	10 / 160
453518M	18	27.5	30	13	38	123	10 / 160
453519M	19	28.8	30	13	38	117	10 / 160
453520M	20	29.5	30	13	38	115	10 / 160
453521M	21	30.0	30	14	40	118	8 / 160
453522M	22	31.8	30	14	40	132	8 / 160
453523M	23	33.8	30	15	40	144	8 / 160
453524M	24	33.8	30	15	42	139	6 / 120
453525M	25	35.8	30	15	42	156	6 / 120
453526M	26	37.8	30	15	42	173	6 / 120
453527M	27	38.0	30	16	44	175	6 / 120
453528M	28	41.0	30	16	44	204	6 / 120
453529M	29	41.0	30	17	44	198	6 / 120
453530M	30	42.0	30.5	17	44	206	6 / 120
453532M	32	46.0	30	19	44	239	6 / 120
453533M	33	46.0	30	19	46	246	6 / 96
453534M	34	46.0	30	20	46	240	6 / 96
453535M	35	46.0	30	20	46	227	6 / 96
453536M	36	47.0	30	20	46	243	6 / 96
453537M	37	49.0	30	21	48	271	6 / 60

KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
453538M	38	50.0	30	21	50	291	6 / 60
453539M	39	51.0	30	22	50	306	6 / 60
453541M	41	56.0	30	22	52	403	6 / 60
453546M	46	64.0	30	23	55	595	4 / 32

4535S

1/2"

- ANSI / ASME B107.2



KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	kg
453510S	5/16	15	25	7	38	66	10 / 200
453512S	3/8	17	25	7	38	70	10 / 200
453514S	7/16	18	25	8	38	70	10 / 200
453516S	1/2	20	25	10	38	72	10 / 200
453518S	9/16	22	25	10	38	77	10 / 200
453520S	5/8	24	25	11	38	80	10 / 160
453522S	11/16	26	30	12	38	116	10 / 160
453524S	3/4	28.8	30	13	38	116	10 / 160
453526S	13/16	30	30	14	40	127	8 / 160
453528S	7/8	32	30	14	40	136	8 / 160
453530S	15/16	34	30	15	42	152	6 / 120
453532S	1	36	30	15	42	164	6 / 120
453534S	1-1/16	38	30	16	44	180	6 / 120
453536S	1-1/8	41	30	17	44	199	6 / 120
453538S	1-3/16	42	30.5	17	44	208	6 / 120
453540S	1-1/4	46	30	18	44	237	6 / 120

# Impact Socket Set

4472MP

4472SP

1/2"

- Standard impact socket
- Stand size (mm) : 415 x 336 x 320



KT NO.	PC.	Contents	Each Q'ty	
4472MP	158		8, 9, 10, 11, 12, 13, 14	8
			15, 16, 17, 18, 19, 20, 21	6
			22, 23, 24	7
			25, 26, 27, 28	6
			29, 30, 32	5
4472SP	106		5/16, 3/8, 7/16, 1/2, 9/16	8
			5/8, 11/16, 3/4, 13/16	6
			7/8, 15/16,	7
			1, 1-1/16, 1-1/8	6
			1-3/16, 1-1/4	5

KT NO.	Spec.	kg	Cuft
4472MP-A	87103	6.37	0.67
4472MP-D	158 PC. socket content	19.63	0.54
4472SP-A	87103	6.37	0.67
4472SP-D	106 PC. socket content	20.4	0.37



# Deep Impact Socket

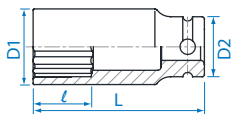
KT No. & D1



## 4430M

1/2"

▪ DIN 3121

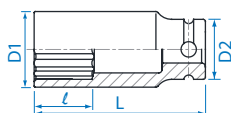


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
443008M	8	15.0	25	12	78	125	6 / 120
443009M	9	16.3	25	12	78	135	6 / 120
443010M	10	17.6	25	12	80	153	6 / 120
443011M	11	18.8	25	13	80	150	6 / 120
443012M	12	20.0	25	14	80	166	6 / 120
443013M	13	21.2	25	14	80	158	6 / 120
443014M	14	22.5	25	14	80	172	6 / 120
443015M	15	23.8	30	16	80	233	6 / 96
443016M	16	25.0	30	16	80	232	6 / 96
443017M	17	26.2	30	16	80	240	6 / 96
443018M	18	27.5	30	17	80	253	6 / 96
443019M	19	28.8	30	18	80	272	6 / 96
443020M	20	29.5	30	20	80	253	6 / 96
443021M	21	30.0	30	20	80	254	6 / 96
443022M	22	32.4	30	22	80	296	5 / 60
443023M	23	33.2	30	24	80	291	5 / 60
443024M	24	34.4	30	24	80	299	5 / 60
443027M	27	38.0	30	27	80	343	5 / 60
443030M	30	42.0	30.5	30	80	397	5 / 50
443032M	32	46.0	30	32	80	454	1 / 24
443036M	36	47.0	30	36	80	422	1 / 24

## 4430S

1/2"

▪ ANSI / ASME B107.2

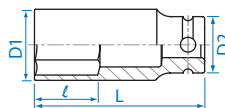


KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg
443020S	5/8	24	25	16	80	179	6 / 96
443024S	3/4	28.8	30	18	80	258	6 / 96
443028S	7/8	32	30	22	80	284	5 / 60
443030S	15/16	34	30	24	80	297	5 / 60
443032S	1	36	30	24	80	328	5 / 60
443034S	1-1/16	38	30	27	80	340	5 / 60
443036S	1-1/8	41	30	27	80	394	5 / 50
443040S	1-1/4	46	30	32	80	477	1 / 24
443042S	1-5/16	46	30	34	80	440	1 / 24
443048S	1-1/2	50	30	34	80	454	1 / 24

## 4435M

1/2"

▪ DIN 3121

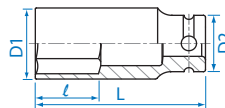


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg
443508M	8	15.0	25	12	78	124	6 / 120
443509M	9	16.3	25	12	78	137	6 / 120
443510M	10	17.6	25	12	80	149	6 / 120
443511M	11	18.8	25	13	80	153	6 / 120
443512M	12	20.0	25	14	80	164	6 / 120
443513M	13	21.2	25	14	80	169	6 / 120
443514M	14	22.5	25	14	80	168	6 / 120
443515M	15	23.8	30	16	80	225	6 / 96
443516M	16	25.0	30	16	80	233	6 / 96
443517M	17	26.2	30	16	80	239	6 / 96
443518M	18	27.5	30	17	80	246	6 / 96
443519M	19	28.8	30	18	80	254	6 / 96
443520M	20	29.0	30	20	80	244	6 / 96
443521M	21	30.0	30	20	80	247	6 / 96
443522M	22	31.8	30	22	80	278	5 / 60
443523M	23	33.8	30	24	80	316	5 / 60
443524M	24	33.8	30	24	80	297	5 / 60
443525M	25	35.8	30	24	80	326	5 / 60
443526M	26	37.8	30	27	80	367	5 / 60
443527M	27	38.0	30	27	80	364	5 / 60
443528M	28	41.0	30	27	80	424	5 / 50
443529M	29	41.0	30	27	80	407	5 / 50
443530M	30	42.0	30.5	30	80	422	5 / 50
443532M	32	46.0	30	32	80	503	1 / 24
443533M	33	46.0	30	32	80	471	1 / 24
443534M	34	46.0	30	33	80	466	1 / 24
443536M	36	47.0	30	36	80	445	1 / 24
443538M	38	50.0	30	38	80	515	1 / 24
443541M	41	56.0	30	38	80	689	1 / 24
443546M	46	64.0	30	40	80	943	1 / 24

## 4435S

1/2"

▪ ANSI / ASME B107.2



KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg
443510S	5/16	14	25	12	78	123	6 / 120
443512S	3/8	17	25	12	80	151	6 / 120
443514S	7/16	18	25	13	80	151	6 / 120
443516S	1/2	20	25	14	80	157	6 / 120
443518S	9/16	22	25	14	80	175	6 / 120
443520S	5/8	24	25	16	80	182	6 / 96
443522S	11/16	26	30	17	80	247	6 / 96
443524S	3/4	28.8	30	18	80	254	6 / 96
443526S	13/16	30	30	20	80	263	6 / 96
443528S	7/8	32	30	22	80	294	5 / 60
443530S	15/16	34	30	24	80	308	5 / 60
443532S	1	36	30	24	80	337	5 / 60





KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	kg	Icon
443534S	1-1/16	38	30	27	80	364	5 / 60
443536S	1-1/8	41	30	27	80	407	5 / 50
443538S	1-3/16	42	30.5	30	80	418	5 / 50
443540S	1-1/4	46	30	32	80	499	1 / 24
443542S	1-5/16	46	30	34	80	471	1 / 24



## Impact Socket Set

**4466MP**      **4466SP**      1/2"

- Deep impact socket
- Stand size (mm) : 415 x 336 x 320



4466MP / 4466SP

KT NO.	PC.	Contents	Each Q'ty	
4466MP	166	 4435M	8, 9, 10, 11, 12, 13, 14	8
			15, 16, 17, 18, 19, 20	7
			21, 22, 23, 24	7
			25, 26, 27, 28, 29	6
			30, 32	5
4466SP	110	 4435S	5/16, 3/8, 7/16, 1/2, 9/16	8
			5/8, 11/16, 3/4, 13/16, 7/8, 15/16	7
			1, 1-1/16, 1-1/8	6
			1-3/16, 1-1/4	5

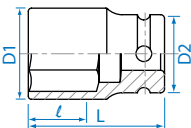
Packing NO.	Spec.	kg	Cuff
4466MP-A	87103	6.37	0.67
4466MP-DA	166 PC. socket content	22.06	0.38
4466MP-DB		24.10	0.45
4466SP-A	87103	6.37	0.67
4466SP-D	110 PC. socket content	28.0	0.47

## Impact Thin Wall Socket



**4835M**      1/2"

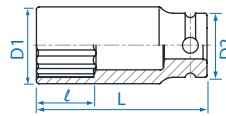
- DIN 3121



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	kg	Icon
483510M	10	16	25	20	52	93	10 / 180
483511M	11	17	25	20	52	88	10 / 180
483512M	12	18	25	20	52	92	10 / 180
483513M	13	19	25	20	52	95	10 / 180
483514M	14	21	25	20	52	99	10 / 180
483516M	16	23	25	20	52	101	8 / 80
483517M	17	25	25	23	52	106	8 / 80
483519M	19	27	30	23	52	150	8 / 80
483521M	21	29	30	25	52	142	8 / 80
483522M	22	31	30	25	52	158	8 / 80
483523M	23	32	30	26	52	172	8 / 80
483524M	24	33	30	26	52	165	8 / 80
483526M	26	36	30	27	65	241	6 / 60
483527M	27	37	30	27	65	249	6 / 60
483530M	30	41	30.5	27	65	294	5 / 50
483535M	35	46	30	32	70	367	1 / 24

**4930M**      1/2"

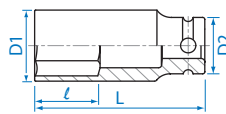
- DIN 3121



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	kg	Icon
493008M	8	13.2	25	20	78	118	6 / 120
493009M	9	14.0	25	20	78	118	6 / 120
493010M	10	15.5	25	20	80	134	6 / 120
493011M	11	16.7	25	20	80	136	6 / 120
493012M	12	18.0	25	20	80	142	6 / 120
493013M	13	19.0	25	20	80	165	6 / 120
493014M	14	20.5	25	20	80	153	6 / 120
493015M	15	21.5	30	20	80	204	6 / 96
493016M	16	23.0	30	20	80	219	6 / 96
493017M	17	24.5	30	23	80	218	6 / 96
493018M	18	25.5	30	23	80	267	6 / 96
493019M	19	27.0	30	23	80	241	6 / 96
493020M	20	28.0	30	23	80	235	6 / 96
493021M	21	29.0	30	25	80	241	6 / 96
493022M	22	30.5	30	25	80	252	5 / 60
493023M	23	32.0	30	26	80	267	5 / 60
493024M	24	33.0	30	26	80	277	5 / 60
493027M	27	37.0	30	27	80	318	5 / 60
493030M	30	40.5	30	27	80	355	5 / 50
493032M	32	42.5	30	27	80	356	5 / 50
493036M	36	45.5	30	32	80	361	1 / 24

**4935M**      1/2"

- DIN 3121



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	kg	Icon
493510M	10	15.5	25	20	80	133	6 / 120
493511M	11	16.7	25	20	80	134	6 / 120
493512M	12	18.0	25	20	80	140	6 / 120
493513M	13	19.0	25	20	80	142	6 / 120
493514M	14	20.5	25	20	80	142	6 / 120

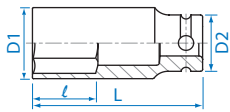
KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
493516M	16	23.0	30	20	80	201	6 / 96
493517M	17	24.5	30	23	80	211	6 / 96
493519M	19	27.0	30	23	80	222	6 / 96
493521M	21	29.0	30	25	80	230	6 / 96
493522M	22	30.5	30	25	80	261	5 / 60
493523M	23	32.0	30	26	80	273	5 / 60
493524M	24	33.0	30	26	80	285	5 / 60
493526M	26	35.5	30	27	80	303	5 / 60
493527M	27	37.0	30	27	80	335	5 / 60
493530M	30	40.5	30	27	80	376	5 / 50

## Impact Thin Wall Socket

4935S

1/2"

- ANSI / ASME B107.2



KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm		
493510S	5/16	13.0	25	20	80	129	6 / 120
493512S	3/8	16.0	25	20	80	144	6 / 120
493514S	7/16	16.7	25	20	80	148	6 / 120
493516S	1/2	19.0	25	20	80	159	6 / 120
493518S	9/16	20.5	25	20	80	165	6 / 120
493520S	5/8	23.0	25	20	80	167	6 / 96
493522S	11/16	24.5	30	23	80	235	6 / 96
493524S	3/4	27.0	30	23	80	224	6 / 96
493526S	13/16	29.0	30	25	80	250	6 / 96
493528S	7/8	30.5	30	25	80	260	5 / 60
493530S	15/16	33.0	30	26	80	336	5 / 60
493532S	1	34.0	30	26	80	356	5 / 60
493534S	1-1/16	37.0	30	27	80	405	5 / 60
493536S	1-1/8	39.0	30	27	80	355	5 / 50
493538S	1-3/16	40.5	30	27	80	417	5 / 50
493540S	1-1/4	42.5	30	27	80	389	5 / 50

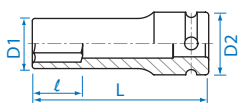
## Extra Thin Wall Impact Socket

4415M

1/2"

- Finishing - phosphate sunk
- For aluminum alloy wheel
- Material - chrome molybdenum alloy steel
- Super thin wall version has less strength than a standard deep one
- DIN 3121

Thin walled design (D1)

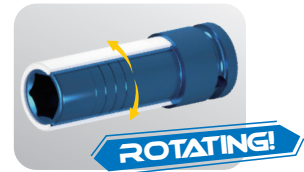


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
441517M	17	23.8	25	17	80	163	6 / 96
441519M	19	25.8	30	20	80	214	6 / 96
441521M	21	27.8	30	22	80	221	6 / 96
441522M	22	29.5	30	24	80	238	6 / 96

## Wheel Nut Impact Socket

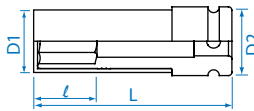
KT No. & D1

- Material - chrome molybdenum alloy steel
- Durable outer sleeve protects polished wheels and lug nuts
- Plastic sleeve thin wall version



4945MX

1/2"

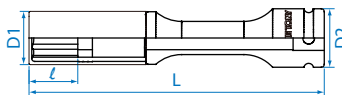


KT NO.	mm	D1 mm	D2 mm	17mm mm	19mm mm	21mm mm	L mm		
494517MX	17	27.3	30	26	85	213	5 / 60		
494519MX	19	29.3	30	26	85	232	5 / 60		
494521MX	21	30.9	30	26	85	243	5 / 60		

4955MX

1/2"

- Plastic insert to protect the surface of the wheel rim
- 17MX: Especially for wheel mounting and dismounting on AMG-rims and/or alloy rims with deeply located wheel bolts
- 19MX: Particularly suitable for wheel mounting and assembly on SUVs e.g. PORSCHE Cayenne, Macan, AUDI Q7, Q5, VW Touareg
- 21MX: Particularly for wheel mounting and installation of aluminium rims to HYUNDAI, KIA, TOYOTA, MAZDA, TESLA

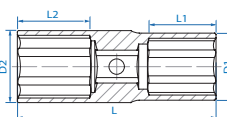


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm		
495517MX	17	27.3	30	25	150	310	2 / 48
495519MX	19	29.3	30	25	150	339	2 / 48
495521MX	21	30.9	30	25	150	413	2 / 48

## Double - Ended Impact Socket

4915M

4915S 1/2"



KT NO.	mm / inch	D1 mm	D2 mm	L mm	L1 mm	L2 mm		
49151719M	17 x 19	26	28	77	22	26	210	6 / 96
49151921M	19 x 21	26	28	77	23	26	200	6 / 96
49152122M	21 x 22	30	32	77	20	26	310	5 / 60
49152123M	21 x 23	30	32	77	22	26	310	5 / 60
49152426S	3/4" x 13/16"	26	28	77	23	26	200	6 / 96

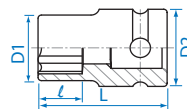
# Impact Star Socket

## 4575M

1/2"

- For torx external screw
- DIN 3121

KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm		
457510M	E10	14.0	25.0	7.5	38	68	10 / 200
457512M	E12	15.9	25.0	9.0	38	68	10 / 200
457514M	E14	17.7	25.0	10.0	38	71	10 / 200
457516M	E16	20.0	25.0	11.0	38	75	10 / 200
457518M	E18	22.0	25.0	12.5	38	78	10 / 200
457520M	E20	24.5	30.0	14.0	38	120	10 / 160



# Impact Bit Socket

## 4015M

## 4015S 1/2"

- Hexagon head
- DIN 3121



KT NO.	mm	L mm	Max. torq N-m		
401505M	H5	80	36.0	73	6 / 120
401506M	H6	80	62.4	77	6 / 120
401507M	H7	80	97.0	84	6 / 120
401508M	H8	80	144.0	86	6 / 120
401509M	H9	80	229.0	97	6 / 120
401510M	H10	80	264.0	100	6 / 120
401512M	H12	80	480.0	117	6 / 120
401513M	H13	80	518.0	128	6 / 120
401514M	H14	80	650.0	137	6 / 120
401517M	H17	80	715.0	217	6 / 96
401519M	H19	80	786.0	246	6 / 96

KT NO.	inch	L mm	Max. torq N-m		
401508S	1/4	80	93.6	77	6 / 120
401510S	5/16	80	144.0	86	6 / 120
401512S	3/8	80	264.0	100	6 / 120
401516S	1/2	80	518.0	126	6 / 120

## 4053

## 4063 1/2"

- For torx internal screw
- DIN 3121



KT NO.	Size	L mm		
405320	T20	60	64	10 / 180
405325	T25	60	65	10 / 180
405327	T27	60	66	10 / 180
405330	T30	60	66	10 / 180
405340	T40	60	68	10 / 180
405345	T45	60	73	10 / 180
405350	T50	60	78	10 / 180
405355	T55	60	87	10 / 180
405360	T60	60	93	10 / 180
405370	T70	60	104	10 / 180
406325	T25	100	72	6 / 120
406327	T27	100	76	6 / 120
406330	T30	100	78	6 / 120
406340	T40	100	81	6 / 120
406345	T45	100	88	6 / 120
406350	T50	100	97	6 / 120
406355	T55	100	117	6 / 120
406360	T60	100	137	6 / 120

## 4055M

## 4055S 1/2"

- Hexagon head
- DIN 3121

- Hexagon head
- ANSI / ASME B107.2



KT NO.	mm	L mm	Max. torq N-m		
405504M	H4	60	20.8	64	10 / 180
405505M	H5	60	36.0	67	10 / 180
405506M	H6	60	62.4	71	10 / 180
405507M	H7	60	97.0	74	10 / 180
405508M	H8	60	144.0	79	10 / 180
405510M	H10	60	264.0	87	10 / 180
405512M	H12	60	480.0	98	10 / 180
405513M	H13	60	518.0	104	10 / 180
405514M	H14	60	650.0	110	10 / 180
405516M	H16	60	680.0	125	10 / 180
405517M	H17	60	715.0	178	10 / 80
405518M	H18	60	740.0	186	10 / 80
405519M	H19	60	786.0	195	10 / 80

KT NO.	inch	L mm	Max. torq N-m		
405506S	3/16	60	36.0	65	10 / 180
405508S	1/4	60	93.6	72	10 / 180
405510S	5/16	60	144.0	78	10 / 180
405512S	3/8	60	264.0	86	10 / 180
405514S	7/16	60	420.0	93	10 / 180
405516S	1/2	60	518.0	104	10 / 180

## 4056M

## 1/2"

- Spline head
- DIN 3121



KT NO.	Size	L mm	Max. torq N-m		
405608M	M 8	60	62.4	73	10 / 180
405610M	M10	60	144.0	81	10 / 180
405612M	M12	60	229.0	88	10 / 180



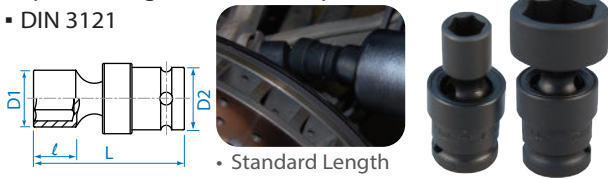
- Air pressure must not exceed 90PSI (6.3bar)
- Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

CAUTION

# Impact Universal Joint Socket

**4B55M** **4B55S**  $\frac{1}{2}$ "

- Special design for confined spaces
- DIN 3121



• Standard Length

KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg	Box
4B5510M	10	17.0	27.5	12	64	167	10 / 120	
4B5511M	11	19.0	27.5	12	64	166	10 / 120	
4B5512M	12	19.0	27.5	12	64	165	10 / 120	
4B5513M	13	21.8	27.5	12	64	171	10 / 120	
4B5514M	14	22.0	27.5	12	64	178	10 / 120	
4B5515M	15	22.0	27.5	12	64	175	10 / 120	
4B5516M	16	23.9	27.5	12	64	182	10 / 120	
4B5517M	17	25.0	27.5	12	64	190	10 / 120	
4B5521M	21	30.0	27.5	12	64	202	10 / 120	
4B5522M	22	31.7	27.5	12	64	208	10 / 120	

KT NO.	Inch	D1 mm	D2 mm	l mm	L mm	g	kg	Box
4B5512S	3/8	17.0	27.5	12	64	161	10 / 120	
4B5514S	7/16	19.0	27.5	12	64	166	10 / 120	
4B5516S	1/2	21.8	27.5	12	64	176	10 / 120	
4B5518S	9/16	22.0	27.5	12	64	174	10 / 120	
4B5520S	5/8	23.9	27.5	12	64	180	10 / 120	
4B5522S	11/16	25.0	27.5	12	64	173	10 / 120	
4B5526S	13/16	30.0	27.5	12	64	190	10 / 120	
4B5528S	7/8	31.7	27.5	12	64	196	10 / 120	
4B5530S	15/16	35.8	27.5	12	64	217	6 / 96	

# Impact Accessory

**4147**  $\frac{1}{2}$ "

- Bit holder
- DIN 3121



KT NO.	Size	Overall length mm	g	kg	Box
414708S	1/4"	48	73	12 / 216	
414710S	5/16"	48	79	12 / 216	
414710M	10 mm	48	79	12 / 216	

**414A08S**  $\frac{1}{2}$ "

- Quick-release
- Bit holder
- DIN 3121



KT NO.	Size	Overall length mm	g	kg	Box
414A08S	1/4"	51.2	68	10 / 180	

**4260P**  $\frac{1}{2}$ "

- Extension bar
- DIN 3121



KT NO.	Overall length Inch	Overall length mm	g	kg	Box
4260-03P	3	75	198	4 / 80	
4260-04P	4	100	240	4 / 80	
4260-05P	5	125	278	2 / 40	
4260-06P	6	150	324	4 / 80	
4260-08P	8	200	402	4 / 48	
4260-10P	10	250	487	4 / 48	
4260-12P	12	300	573	2 / 40	
4260-16P	16	400	746	2 / 20	

# Impact Bit Socket

KT No. & DI

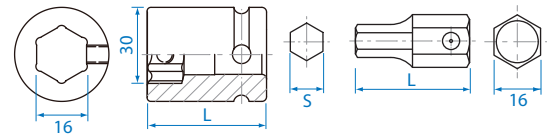


CAUTION

- Air pressure must not exceed 90PSI (6.3bar)
- Adjust your air tool to its lowest torque output, should this torque level not be enough, increase it gradually

**1740**  $\frac{1}{2}$ "

- Hex bit & bit holder
- DIN 3121



KT NO.	mm	L mm	Max. torq N-m	g	kg	Box
174010H	H10	40	264.0	46	20 / 400	
174012H	H12	40	480.0	52	20 / 400	
174014H	H14	40	684.0	60	20 / 200	
174017H	H17	40	680.0	73	20 / 200	
174019H	H19	40	680.0	80	20 / 200	
174022H	H22	40	680.0	97	12 / 120	
409616M	16	38	680.0	145	10 / 160	

**4065M**  $\frac{1}{2}$ "

- Hexagon head
- DIN 3121



KT NO.	mm	L mm	Max. torq N-m	g	kg	Box
406504M	H4	100	20.8	73	6 / 120	
406505M	H5	100	36.0	78	6 / 120	
406506M	H6	100	62.4	85	6 / 120	
406508M	H8	100	144.0	95	6 / 120	
406510M	H10	100	264.0	114	6 / 120	
406512M	H12	100	480.0	138	6 / 120	
406514M	H14	100	650.0	164	6 / 120	

**4075M**  $\frac{1}{2}$ "

- Hexagon head
- DIN 3121














KT NO.	mm	L mm	Max. torq N-m	g	kg	Box
407505M	H5	150	36.0	115	6 / 120	
407506M	H6	150	62.4	115	6 / 120	
407508M	H8	150	144.0	116	6 / 120	
407510M	H10	150	264.0	148	6 / 120	
407512M	H12	150	480.0	187	6 / 120	
407514M	H14	150	650.0	231	6 / 120	

# Impact Accessory & Set

4269

1/2"

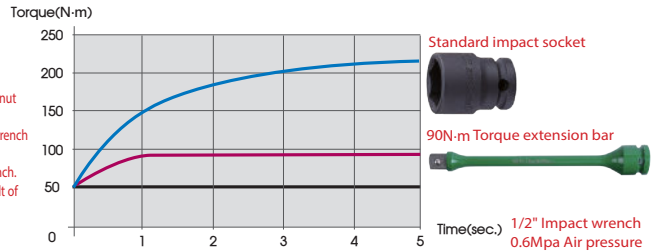
- Torque extension bar
- Color coded and engraved with N-m and lbf-ft setting
- Helps to eliminate overtorqued lug nut

KT NO.	Color	Max. torq N-m	lbf-ft	Overall length inch	mm	
4269-08-90		90	65	7-11/16	195	192
4269-08-A0		100	75	7-11/16	195	201
4269-08-B0		110	80	7-11/16	195	217
4269-08-C0		120	90	7-11/16	195	224
4269-08-D5		135	100	7-11/16	195	238
4269-08-F0		150	110	7-11/16	195	263
4269-08-G0		160	120	7-11/16	195	304
4269-08-H5		175	130	7-11/16	195	284
4269-08-J0		190	140	7-11/16	195	331
4269-08-K0		200	150	7-11/16	195	344



**How to use torque extension bar**













1. Use with 1/2"DR. impact wrench, don't use by hand.
2. Set air pressure 0.6 MPa(90 PSI) and adjust torque value between 190 N-m and 210 N-m.
3. Select suitable torque extension bar according to wheel nut size and indicated tightening torque.
4. Attach the torque extension bar with socket to impact wrench and apply load.
5. Check the actual tightening torque value by torque wrench.
6. Adjust air pressure or torque value according to the result of above.
7. Tight other wheel nuts in diagonal order.



4481PP1

1/2"

- Torque extension bar set

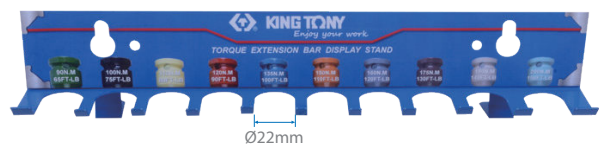
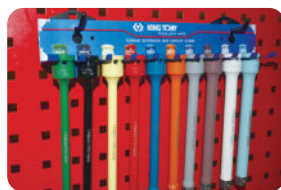
Contents	 2.58	 1 / 6
 4269-08-90	90 N-m	
 4269-08-A0	100 N-m	
 4269-08-B0	110 N-m	
 4269-08-C0	120 N-m	
 4269-08-D5	135 N-m	
 4269-08-F0	150 N-m	
 4269-08-G0	160 N-m	
 4269-08-H5	175 N-m	
 4269-08-J0	190 N-m	
 4269-08-K0	200 N-m	



10 PC.

9TE41

- Hook for torque extension bar
- Groove capacity : 22 mm

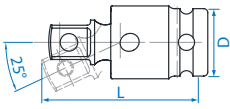


KT NO.	Overall length (mm)		
9TE41	311	196.4	1 / 24



## 4796P 1/2"

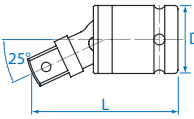
- Universal joint
- DIN 3121



KT NO.	Overall length Inch	mm	D mm		
4796P	2-3/8	59	25	124	6 / 96

## 479AP 4797P 1/2"

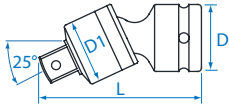
- Universal joint
- DIN 3121



KT NO.	Overall length Inch	mm	D mm		
479AP	2-3/8	61	29.1	160	6 / 96
4797P	2-1/2	65	29.1	168	6 / 96

## 4798P 1/2"

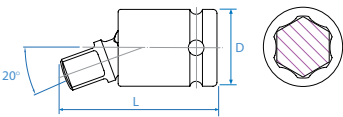
- Universal joint



KT NO.	Overall length Inch	mm	D mm	D1 mm		
4798P	3	74	29.1	29.1	213	6 / 96

## 4799P 1/2"

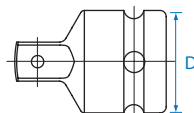
- Short pattern design enables greater access in confined spaces
- Ball point type universal joint & with hex locking design
- DIN 3121



KT NO.	Overall length Inch	mm	D mm		
4799P	2-3/8	60	30	170	6 / 96

## 4873P 1/2"

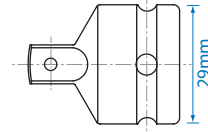
- Adapter
- Convert to 3/8"
- 4873P → Max. torque : 202 N-m
- DIN 3121



KT NO.	Spec.	D mm		
4873P	1/2"F x 3/8"M	25	66	10 / 160

## 4863P 4866P 1/2"

- Adapter
- Convert to 3/8", 3/4" drive
- 4863P → Max. torque : 202 N-m
- DIN 3121



4863P & 4866P

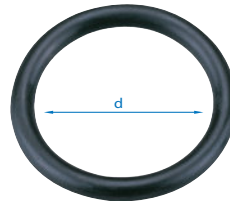
KT NO.	Spec.		
4863P	1/2"F x 3/8"M	97	10 / 160
4866P	1/2"F x 3/4"M	147	8 / 160

## 90401 90402 1/2"

- Locking ring
- High tensile rubber material

## 90601 90602 1/2"

- Locking pin
- Chrome vanadium steel
- DIN 3129



90401  
90402



90601  
90602

KT NO. Type  $\varnothing$  d /  $\ell$  Applied to socket sizes

90401	ring	3.5	19	4535M (8~14mm)	4535S (15/16"~9/16")
				4435M (8~14mm)	4435S (15/16"~9/16")
				4015M (5~14mm)	4015S (1/4"~1/2")
				4055M (4~14mm)	4055S (3/16"~1/2")
				4935M (10~14mm)	4935S (7/16"~9/16")
				4415M (17mm)	4575 (E10-E18)
90601	pin	3.0	20	4835M (10~17mm)	
				4530M (8~14mm)	
				414A08S, 4053, 4063, 4065, 4075, 4873, 4015, 4147, 4055, 4056	
90402	ring	3.5	23	4535M (15~46mm)	4535S (11/16"~1-1/4")
				4435M (15~46mm)	4435S (5/8"~1-1/4")
				4935M (16~30mm)	4935S (11/16"~1-1/4")
				4015M (17.19mm)	
				4415M (19.21mm)	
				4530M (15~36mm)	
90602	pin	3.0	25	4575M (E20)	
				4835M (19~30mm)	
				4260, 4796, 4797, 4863, 4873, 4866	

## Impact Socket Rail Set

**4423MP**

1/2"

- Thin wall version



3  
PC.

Contents 0.45 48

4835M 17, 19, 21

**7411PP**

1/2"



11  
PC.

Contents 0.76 4 / 32

3575M E5, E6, E7, E8

4575M E10, E12, E14, E16, E18, E20

4863P 1/2" F x 3/8" M

## Deep Impact Socket Set

**P4405MP1**

- DIN 3121



3  
PC.

Contents 0.88 1 / 4

4435M 17, 19, 21

package : dual blister

## Impact Socket Set

**4408MP**

1/2"

Metal case size (mm) :  
270 x 73 x 46 (0.032 cuft)



8  
PC.

Contents 1.3 1 / 20

4535M 10, 12, 13, 14, 17, 19, 21, 24

## Impact Socket Set

**4408SP**

1/2"

Metal case size (mm) :  
270 x 73 x 46 (0.032 cuft)



8  
PC.

Contents 1.3 1 / 20

4535S 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 15/16

**4412MP**

1/2"

Metal case size (mm) :  
224 x 94 x 40 (0.03 cuft)



11  
PC.

Contents 1.61 1 / 8

4535M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21

**4414MP**

**4414SP**

1/2"

Metal case size (mm) :  
270 x 100 x 49 (0.047 cuft)



14  
PC.

4414MP



4414SP

KT NO.	Contents		
4414MP	4535M 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	2.25	1 / 8
4414SP	4535S 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	2.4	



# Impact Socket Set

## 4419MP

1/2"

Metal case size (mm) :  
445 x 135 x 50 (0.021 cuft)

19  
PC.

Contents

2.7 1 / 6

		4535M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32
		4260-05P	



## 4410MP

Metal case size (mm) :  
246 x 103 x 38 (0.034 cuft)

## 4410MP01

## 4410SP

1/2"

8  
PC.



4410MP / 4410MP01



4410SP

KT NO.

Contents

2.3 1 / 12

4410MP			4435M	12, 13, 14, 17, 19, 21, 22, 23
4410MP01			4435M	12, 13, 14, 17, 19, 21, 22, 24
4410SP			4435S	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16

## 4416SP

1/2"

Metal case size (mm) :  
445 x 135 x 50 (0.021 cuft)

14  
PC.



Contents

4.8 1 / 6

		4435S	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4
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## 4413MP

1/2"

Metal case size (mm) :  
270 x 73 x 46 (0.032 cuft)

8  
PC.



Contents

1.37 1 / 20

		4835M	10, 12, 13, 14, 17, 19, 21, 24
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## 4415MP

Metal case size (mm) :  
445 x 135 x 50 (0.021 cuft)

## 4415MP03

1/2"

15  
PC.



4415MP



4415MP03

KT NO.

Contents

4.9 1 / 6

4415MP			4435M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 26, 29, 32
4415MP03			4435M	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32

# Impact Socket Set

## 4815MP04

Metal case size (mm) :  
445 x 135 x 50 (0.021 cuft)

## 4815MP05

1/2"



15  
PC.

4815MP04 / 4815MP05

KT NO.		Contents	Kg	/  1/6
4815MP04		10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	5.1	1 / 6
4815MP05	4430M	8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	4.3	1 / 6

# Wheel Nut Impact Socket Set

## 4405MX

1/2"

- Thin wall impact socket set with plastic sleeve
- Durable outer sleeve protects polished wheels and lug nuts

Blow case size (mm) :  
149 x 132 x 45 (0.031 cuft)



3  
PC.

Contents	0.83	/  1 / 16
494517MX 17 mm		
494519MX 19 mm		
494521MX 21 mm		

# Impact Socket Set

## 4406MX

1/2"

- Wheel nut impact socket
- Torque extension bar

Metal case size (mm) :  
296 x 130 x 41 (0.056 cuft)



6  
PC.

Contents	2.13	/  1 / 10
494517MX 17 mm		
494519MX 19 mm		
494521MX 21 mm		
4269-08-90 90 N·m		
4269-08-B0 110 N·m		
4269-08-D5 135 N·m		

# Impact Universal Joint Socket Set

## 4440MP

Metal case size (mm) :  
318 x 147 x 46 (0.076 cuft)

## 4440SP

1/2"

KT NO.	Contents	3.3	/  1 / 5
4440MP	4A55M		10, 11, 12, 13, 14, 17, 19, 21, 22, 24
4440SP	4A55S		3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16



10  
PC.

# Impact Bit Socket Set

**4407MP**

1/2"

- For hexagon head screw
- 60mmL
- Metal case size (mm) :  
198 x 105 x 32 (0.023 cuft)



7  
PC.

Contents

0.94 / 1 / 20

4055M H4, H5, H6, H8, H10, H12, H14

**4457MP**

1/2"

- For hexagon head screw
- 100mmL
- Metal case size (mm) :  
244 x 118 x 37 (0.038 cuft)



7  
PC.

Contents

1.44 / 1 / 18

4065M H4, H5, H6, H8, H10, H12, H14

**4476MP**

1/2"

- For hexagon head screw
- 150mmL
- Metal case size (mm) :  
244 x 118 x 37 (0.038 cuft)



6  
PC.

Contents

1.47 / 1 / 18

4075M H5, H6, H8, H10, H12, H14

**4418MP**

1/2"

- For hexagon head screw
- 60mmL
- Metal case size (mm) :  
270 x 73 x 46 (0.032 cuft)



8  
PC.

Contents

1.34 / 1 / 20

4055M H5, H6, H8, H10, H12, H14, H17, H19

**4417PP**

1/2"

- For torx internal screw
- 60mmL
- Metal case size (mm) :  
198 x 105 x 32 (0.023 cuft)



7  
PC.

Contents

0.94 / 1 / 20

4053 T25, T30, T40, T45, T50, T55, T60

**4467PP**

1/2"

- For torx internal screw
- 100mmL
- Metal case size (mm) :  
244 x 118 x 37 (0.038 cuft)



7  
PC.

Contents

1.31 / 1 / 18

4063 T25, T30, T40, T45, T50, T55, T60

## Standard Impact Socket

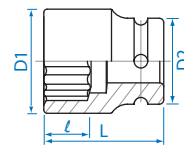
KT No. & D1



**6510M**

3/4"

- Lightweight type
- DIN 3121



KT NO.	mm	D1 mm	D2 mm	l mm	L mm		/
651017M	17	29.0	38	10	50	225	8 / 96
651018M	18	30.0	38	10	50	230	8 / 96
651019M	19	32.0	38	10	50	240	8 / 96
651021M	21	35.0	38	13	50	252	8 / 96
651022M	22	36.0	38	13	50	255	8 / 96
651023M	23	37.0	38	15	50	256	8 / 96
651024M	24	38.0	38	15	50	265	8 / 96
651026M	26	38.0	38	15	53	257	6 / 48
651027M	27	42.0	38	18	53	299	6 / 48
651028M	28	44.0	38	18	53	325	6 / 48
651029M	29	45.0	38	18	53	330	6 / 48
651030M	30	46.0	38	20	53	337	6 / 48

# Standard Impact Socket

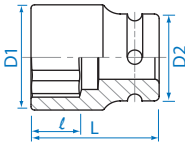
KT No. & D1



## 6515M

3/4"

- Lightweight type
- DIN 3121

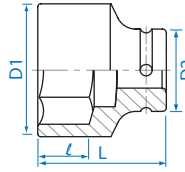


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
651514M	14	25.0	38	10	50	206	8 / 96
651515M	15	26.0	38	10	50	210	8 / 96
651516M	16	27.5	38	10	50	216	8 / 96
651517M	17	29.0	38	10	50	228	8 / 96
651518M	18	30.0	38	10	50	232	8 / 96
651519M	19	32.0	38	10	50	241	8 / 96
651521M	21	35.0	38	13	50	254	8 / 96
651522M	22	36.0	38	13	50	260	8 / 96
651523M	23	37.0	38	15	50	261	8 / 96
651524M	24	38.0	38	15	50	265	8 / 96
651525M	25	38.0	38	15	53	275	8 / 96
651526M	26	38.0	38	15	53	259	6 / 48
651527M	27	42.0	38	18	53	311	6 / 48
651528M	28	44.0	38	18	53	332	6 / 48
651529M	29	45.0	38	18	53	345	6 / 48
651530M	30	46.0	38	20	53	348	6 / 48

## 6535M

3/4"

- DIN 3121

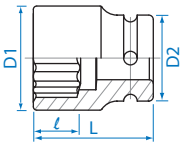


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
653513M	13	22.0	38	16	50	205	8 / 96
653517M	17	29.0	44	10	50	309	6 / 48
653518M	18	30.0	44	10	50	314	6 / 48
653519M	19	32.0	44	10	50	323	6 / 48
653521M	21	35.0	44	13	50	336	6 / 48
653522M	22	36.0	44	13	50	340	6 / 48
653523M	23	37.0	44	15	50	339	6 / 48
653524M	24	38.0	44	15	50	343	6 / 48
653526M	26	40.0	44	15	53	364	6 / 48
653527M	27	42.0	44	18	53	379	6 / 48
653528M	28	44.0	44	18	53	390	6 / 48
653529M	29	45.0	44	18	53	399	6 / 48
653530M	30	46.0	44	20	53	349	6 / 48
653531M	31	47.0	44	20	53	413	6 / 48
653532M	32	48.0	44	20	57	456	6 / 36
653533M	33	50.0	44	20	57	481	6 / 36
653534M	34	51.0	44	22	57	488	6 / 36
653535M	35	52.0	44	22	57	499	6 / 36
653536M	36	53.0	44	22	57	508	6 / 36
653538M	38	56.0	44	22	57	553	4 / 32
653540M	40	58.0	44	22	58	590	4 / 32
653541M	41	59.0	44	24	58	584	4 / 32
653542M	42	61.0	44	24	58	622	2 / 24
653543M	43	62.0	44	24	58	638	2 / 24
653544M	44	64.0	44	24	62	706	2 / 24
653545M	45	64.0	44	24	62	704	2 / 24
653546M	46	66.0	44	24	62	730	2 / 24
653548M	48	68.0	44	26	65	807	2 / 24
653550M	50	71.0	44	26	65	870	1 / 20
653552M	52	74.0	54	30	68	1083	1 / 20
653554M	54	76.0	54	30	68	1151	1 / 20
653555M	55	77.0	54	30	70	1196	1 / 20
653557M	57	79.0	54	32	70	1211	1 / 20
653558M	58	81.0	54	32	70	1275	1 / 20
653560M	60	84.0	54	32	70	1424	1 / 20
653563M	63	83.5	54	40	80	1317	1 / 12
653565M	65	85.5	54	43	80	1324	1 / 12
653570M	70	92.0	54	45	83	1571	1 / 12

## 6530M

3/4"

- DIN 3129, ISO 2725-2



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
653017M	17	29.0	44	10	50	319	6 / 48
653019M	19	32.0	44	10	50	322	6 / 48
653021M	21	35.0	44	13	50	333	6 / 48
653022M	22	36.0	44	13	50	335	6 / 48
653023M	23	37.0	44	15	50	335	6 / 48
653024M	24	38.0	44	15	50	338	6 / 48
653026M	26	40.0	44	15	53	360	6 / 48
653027M	27	42.0	44	18	53	361	6 / 48
653028M	28	44.0	44	18	53	384	6 / 48
653029M	29	45.0	44	18	53	387	6 / 48
653030M	30	46.0	44	20	53	390	6 / 48
653032M	32	48.0	44	20	57	440	6 / 36
653033M	33	50.0	44	20	57	476	6 / 36
653034M	34	51.0	44	22	57	479	6 / 36
653035M	35	52.0	44	22	57	488	6 / 36
653036M	36	53.0	44	22	57	489	6 / 36
653038M	38	56.0	44	22	57	534	4 / 32
653040M	40	58.0	44	22	58	577	4 / 32
653041M	41	59.0	44	24	58	573	4 / 32
653042M	42	61.0	44	24	58	610	2 / 24
653046M	46	66.0	44	24	62	723	2 / 24
653063M	63	84.5	54	40	80	1352	1 / 12
653065M	65	86.5	54	43	80	1381	1 / 12
653070M	70	92.0	54	45	83	1445	1 / 12

# Standard Impact Socket

KT No. & D1

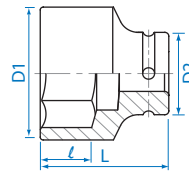


## 6535S

3/4"

ANSI / ASME B107.2

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	Icons
653522S	11/16	29	38	10	50	226	8 / 96
653524S	3/4	32	38	10	50	240	8 / 96
653526S	13/16	35	38	13	50	254	8 / 96
653528S	7/8	36	38	13	50	259	8 / 96
653530S	15/16	37	38	15	50	256	8 / 96
653532S	1	38	38	15	53	274	8 / 96
653534S	1-1/16	42	40	18	53	328	6 / 48
653536S	1-1/8	44.7	40	18	53	360	6 / 48
653538S	1-3/16	46	40	20	53	368	6 / 48
653540S	1-1/4	48	44	20	57	459	6 / 36
653542S	1-5/16	50	44	20	57	485	6 / 36
653544S	1-3/8	52	44	22	57	495	6 / 36
653546S	1-7/16	54	44	22	57	526	6 / 36
653548S	1-1/2	56	44	22	57	545	4 / 32
653550S	1-9/16	58	44	22	58	596	4 / 32
653552S	1-5/8	59	44	24	58	588	4 / 32
653554S	1-11/16	63.5	44	25	58	681	2 / 24



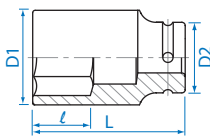
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	Icons
653556S	1-3/4	64	44	25	62	710	2 / 24
653558S	1-13/16	66	44	25.5	62	718	2 / 24
653560S	1-7/8	68	44	27	65	806	2 / 24
653562S	1-15/16	70	44	27	65	951	1 / 20
653564S	2	72	54	28	68	1048	1 / 20
653566S	2-1/16	74	54	30	68	1078	1 / 20
653568S	2-1/8	76	54	30	68	1142	1 / 20
653570S	2-3/16	77	54	30.5	70	1141	1 / 20
653572S	2-1/4	79	54	32.5	70	1178	1 / 20
653574S	2-5/16	81	54	32.5	70	1266	1 / 20
653576S	2-3/8	84	54	33.5	70	1346	1 / 20

# Deep Impact Socket

## 6435M

3/4"

DIN 3121

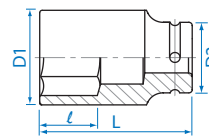


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	Icons
643519M	19	32	44	16	90	546	1 / 24
643521M	21	35	44	18	90	567	1 / 24
643522M	22	36	44	18	90	578	1 / 24
643523M	23	37	44	23	90	596	1 / 24
643524M	24	38	44	23	90	598	1 / 24
643525M	25	40	44	25	90	630	1 / 24
643526M	26	40	44	25	90	600	1 / 24
643527M	27	42	44	27	90	625	1 / 24
643528M	28	44	44	27	90	666	1 / 24
643529M	29	45	44	27	90	666	1 / 24
643530M	30	46	44	27	90	693	1 / 24
643532M	32	48	44	30	90	727	1 / 24
643533M	33	50	44	30	90	792	1 / 24
643534M	34	51	44	32	90	795	1 / 24
643535M	35	52	44	32	90	811	1 / 24
643536M	36	53	44	32	90	818	1 / 24
643538M	38	56	44	34	90	882	1 / 24
643540M	40	58	44	34	90	926	1 / 24
643541M	41	59	44	34	90	936	1 / 24
643542M	42	61	44	36	95	1047	1 / 24
643543M	43	62	44	38	95	1092	1 / 10
643544M	44	64	44	38	95	1159	1 / 10
643546M	46	66	44	38	95	1239	1 / 10
643548M	48	68	44	40	95	1218	1 / 10
643550M	50	71	44	40	95	1317	1 / 10
643555M	55	77	54	45	100	1799	1 / 10
643560M	60	84.5	54	50	100	2042	1 / 6
643565M	65	86.5	54	54	100	1904	1 / 6

## 6435S

3/4"

ANSI / ASME B107.2



KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	Icons
643524S	3/4	32	38	16	90	432	1 / 24
643526S	13/16	35	38	18	90	473	1 / 24
643528S	7/8	36	38	18	90	495	1 / 24
643530S	15/16	37	38	23	90	495	1 / 24
643532S	1	38	38	25	90	478	1 / 24
643534S	1-1/16	42	44	27	90	624	1 / 24
643536S	1-1/8	44.7	44	27	90	665	1 / 24
643538S	1-3/16	46	44	27	90	692	1 / 24
643540S	1-1/4	48	44	30	90	725	1 / 24
643542S	1-5/16	50	44	30	90	782	1 / 24
643544S	1-3/8	52	44	32	90	807	1 / 24
643546S	1-7/16	54	44	32	90	845	1 / 24
643548S	1-1/2	56	44	34	90	874	1 / 24
643550S	1-9/16	58	44	34	90	923	1 / 24
643552S	1-5/8	59	44	34	90	924	1 / 24
643554S	1-11/16	63.5	44	38	95	1181	1 / 10
643556S	1-3/4	64	44	38	95	1139	1 / 10
643558S	1-13/16	66	44	38	95	1212	1 / 10
643560S	1-7/8	68	54	40	95	1354	1 / 10
643562S	1-15/16	70	54	40	95	1256	1 / 10
643564S	2	72	54	40	95	1476	1 / 10



IMPACT SOCKETS & ACCESSORIES

# Thin Wall Impact Socket

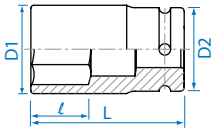
KT No. & D1



## 6835M

3/4"

- DIN 3121

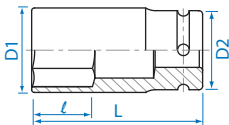


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
683517M	17	28.0	44	16	60	346	6	48
683519M	19	30.0	44	16	60	351	6	48
683521M	21	33.0	44	18	60	369	6	48
683522M	22	34.0	44	18	60	372	6	48
683523M	23	35.0	44	23	60	373	6	48
683524M	24	36.5	44	23	60	382	6	48
683526M	26	39.0	44	25	80	397	1	24
683527M	27	40.0	44	26	80	424	1	24
683529M	29	43.0	44	26	80	455	1	24
683530M	30	44.0	44	26	80	555	1	24
683532M	32	46.5	44	26	80	512	1	24

## 6935M

3/4"

- DIN 3121

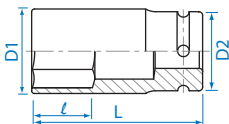


KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
693519M	19	30.0	44	16	90	513	1	24
693521M	21	33.0	44	18	90	546	1	24
693522M	22	34.0	44	18	90	541	1	24
693523M	23	35.0	44	23	90	519	1	24
693524M	24	36.5	44	23	90	573	1	24
693526M	26	39.0	44	25	90	578	1	24
693527M	27	40.0	44	27	90	574	1	24
693529M	29	43.0	44	27	90	578	1	24
693530M	30	44.0	44	27	90	622	1	24
693532M	32	46.5	44	30	90	683	1	24

## 6935S

3/4"

- ANSI / ASME B107.2



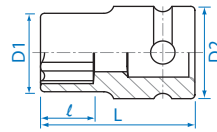
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
693524S	3/4	30.0	38	16	90	370	1	24
693526S	13/16	33.0	38	18	90	380	1	24
693528S	7/8	34.0	38	18	90	385	1	24
693530S	15/16	36.5	38	23	90	415	1	24
693532S	1	38.0	38	23	90	500	1	24
693534S	1-1/16	40.0	44	25	90	654	1	24
693536S	1-1/8	43.0	44	25	90	680	1	24
693538S	1-3/16	44.0	44	27	90	684	1	24
693540S	1-1/4	46.5	44	30	90	733	1	24

# Impact Star Socket

## 6575M

3/4"

- For torx external screw
- DIN 3121



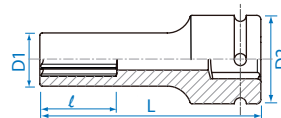
KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
657524M	E24	32.5	44.0	17.0	50	334	6	48
657526M	E26	35.0	44.0	19.0	60	402	6	48
657528M	E28	36.5	44.0	25.5	60	401	6	48
657530M	E30	37.5	44.0	27.0	65	428	1	24
657532M	E32	39.5	44.0	29.0	65	447	1	24

# Deep Impact Star Socket

## 6475M

3/4"

- For torx external screw
- DIN 3121
- For the operation of cylinder head bolts
- E18 application MAN M 2000 / Bus with D 08 engine
- E20 application MAN F 2000 / F 90 / F 8 / Bus with D 25 and D 28 engines
- E24 application MAN D20 engine



KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
647518M	E18	26.5	44.0	12.5	110	592	1	10
647520M	E20	29.0	44.0	14.0	110	627	1	10
647522M	E22	31.0	44.0	15.0	110	662	1	10
647524M	E24	32.5	44.0	17.0	110	693	1	10

# Rear Wheel Socket

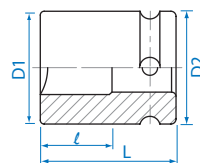
KT No. & D1



## 6514M

3/4"

- 4 points
- DIN 3121



KT NO.	Size	D1 mm	D2 mm	ℓ mm	L mm	g	kg	1/24
651417M	17	39.8	34	28	53	353	1	24
651419M	19	39.8	34	28	53	339	1	24
651420M	20	41.8	36	28	53	381	1	24
651421M	21	41.8	36	28	53	369	1	24




# Impact Bit Socket

KT No. & D1 

## 6015M 3/4"

- Hexagon head
- DIN 3121

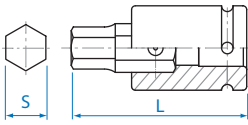






KT NO.	 mm	L mm	Max. torq N·m		
601514M	H14	87	684	310	2 / 48
601517M	H17	87	1136	342	2 / 48
601519M	H19	87	1577	365	2 / 48
601521M	H21	87	2134	508	1 / 24
601522M	H22	87	2436	524	1 / 24
601524M	H24	87	3190	546	1 / 24
601527M	H27	87	4535	597	1 / 24

## 609616MxxH

## 609622MxxH 3/4"

- DIN 3121

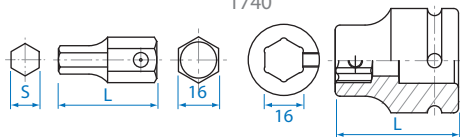




KT NO.	 S mm	 mm	L (mm)	Max. torq N·m		
609616M10H	H10	16	77	264	416	4 / 40
609616M12H	H12	16	77	480	422	4 / 40
609616M14H	H14	16	77	684	430	4 / 40
609616M17H	H17	16	77	880	443	4 / 40
609616M19H	H19	16	77	880	450	4 / 40
609616M22H	H22	16	77	880	473	4 / 40
609622M19H	H19	22	93	1577	670	1 / 24
609622M22H	H22	22	93	2436	692	1 / 24
609622M24H	H24	22	93	2436	706	1 / 24
609622M27H	H27	22	93	2436	730	1 / 24
609622M30H	H30	22	93	2436	744	1 / 24
609622M32H	H32	22	93	2436	783	1 / 24

## 1740

## 609616M 3/4"

- Hex bit & bit holder
- DIN 3121

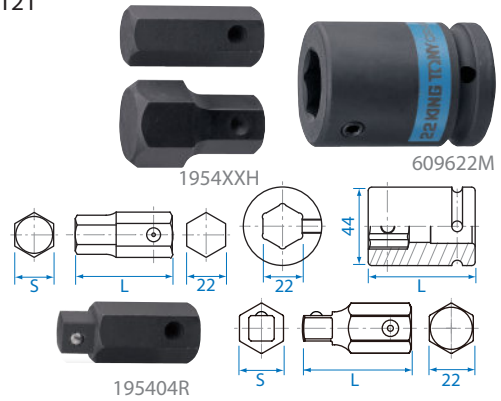




KT NO.	S mm	L mm	Max. torq N·m		
174010H	H10	40	264	46	20 / 400
174012H	H12	40	480	55	20 / 400
174014H	H14	40	684	61	20 / 200
174017H	H17	40	880	72	20 / 200
174019H	H19	40	880	83	20 / 200
174022H	H22	40	880	102	12 / 120
609616M	16	52	-	370	6 / 48

## 1954

- Hex bit & bit holder
- DIN 3121

## 609622M 3/4"

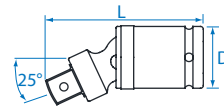


KT NO.	S mm	L mm	Max. torq N·m		
195419H	H19	54.5	1577	159	12 / 120
195422H	H22	54.5	2436	176	12 / 120
195424H	H24	54.5	2436	191	10 / 100
195427H	H27	54.5	2436	217	10 / 100
195430H	H30	54.5	2436	248	6 / 60
195432H	H32	54.5	2436	276	6 / 60
609622M	22	60.0	-	530	6 / 48
195404R	1/2"M	54.5	-	133	12 / 120

# Impact Accessory



## 6797

- Universal joint
- DIN 3121



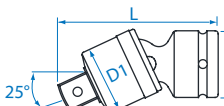
## 6797P 3/4"



KT NO.	Overall length inch	mm	D mm		
6797	4-1/2	114	44	738	2 / 20
6797P	4-1/2	114	44	738	2 / 20



## 6798

- Universal joint
- DIN 3121



## 6798P 3/4"



KT NO.	Overall length inch	mm	D (mm)	D1 (mm)		
6798	4-1/4	108	44	44	749	2 / 20
6798P	4-1/4	108	44	44	749	2 / 20

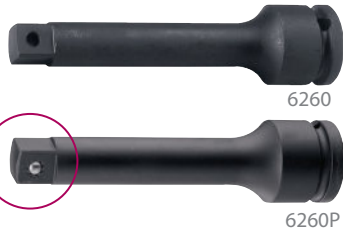
# Impact Accessory

KT No. & D1



**6260**

- Extension bar
- DIN 3121



6260

6260P

KT NO.	Overall length		g	kg
	inch	mm		
6260-04	4	100	566	2 / 20
6260-07	7	175	864	2 / 20
6260-10	10	250	1145	1 / 16
6260-13	13	330	1450	1 / 10
6260-04P	4	100	566	2 / 20
6260-07P	7	175	864	2 / 20
6260-10P	10	250	1145	1 / 16
6260-13P	13	330	1450	1 / 10

**6864**

**6864P**

**6868**

**6868P 3/4"**

- Adapter
- Convert to 1/2" drive
- 6864 → Max. torque : 512 N·m
- DIN 3121



6864 / 6864P  
6868 / 6868P

6864 & 6868

6864P & 6868P

KT NO.	Spec.	D (mm)	g	kg	kg
6864	3/4"F x 1/2"M	44	311	6 / 48	
6868	3/4"F x 1"M	44	445	6 / 48	
6864P	3/4"F x 1/2"M	44	311	6 / 48	
6868P	3/4"F x 1"M	44	445	6 / 48	

**6874**

**6874P 3/4"**

- Adapter
- Convert to 1/2" drive
- 6874 → Max. torque : 768 N·m
- DIN 3121



6874 / 6874P

6874

6874P

KT NO.	Spec.	D (mm)	g	kg	kg
6874	3/4"F x 1/2"M	38	233	6 / 48	
6874P	3/4"F x 1/2"M	38	233	6 / 48	

**90403**

**90404**

**90405 3/4"**

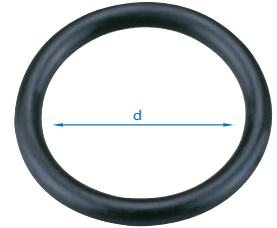
- Locking ring
- High tensile rubber material

**90603**

**90604**

**90607 3/4"**

- Locking pin
- Chrome vanadium steel
- DIN 3129



90603  
90604  
90607

90403  
90404  
90405

KT NO. Type  $\varnothing$  d / l Applied to socket sizes

90403	ring	3.5	33	6015M (14~19mm) 6435S (3/4"~1") 6510M (17~30mm) 6535S (1 1/16"~1-3/16") 6515M (17~30mm) 6935S (3/4"~1")
90607	pin	3.0	30	6874
90404	ring	5.5	37	6535M (17~46mm) 6535S (1-1/4"~1-13/16") 6435M (19~46mm) 6435S (1-1/16"~1-13/16") 6935M (19~32mm) 6935S (1-1/16"~1-1/4") 6015M (21~27mm) 6260.6797.6798.6864
90603	pin	4.0	35	6530M (17~46mm) 6868 6835M (17~32mm) 609616M.609622M
90405	ring	5.5	44	6535M (48~65mm) 6535S (1-7/8"~2-3/8") 6435M (48~50mm) 6435S (1-7/8"~2")
90604	pin	4.0	45	

## Impact Bit Socket Set

**6411MP**

**3/4"**

Metal case size (mm) :  
270 x 100 x 49 (0.048 cuft)



11 PC.

Contents

kg 2.77 kg / 1 / 8

	6096M	16, 22
	1740	H10, H12, H14, H17
	1954	H19, H22, H24, H27, H32

90403	ring	3.5	33	6015M (14~19mm) 6435S (3/4"~1") 6510M (17~30mm) 6535S (1 1/16"~1-3/16") 6515M (17~30mm) 6935S (3/4"~1")
90607	pin	3.0	30	6874
90404	ring	5.5	37	6535M (17~46mm) 6535S (1-1/4"~1-13/16") 6435M (19~46mm) 6435S (1-1/16"~1-13/16") 6935M (19~32mm) 6935S (1-1/16"~1-1/4") 6015M (21~27mm) 6260.6797.6798.6864
90603	pin	4.0	35	6530M (17~46mm) 6868 6835M (17~32mm)



# Impact Socket Set

**6408MP**

**6408MP10**

**6408SP10**

**3/4"**

Metal case size (mm) :  
241 x 124 x 68 (0.07 cuft)



6408MP / 6408MP10 / 6408SP10

8  
PC.



IMPACT SOCKETS & ACCESSORIES

KT NO.		Contents		
6408MP	6535M	19, 22, 24, 27, 30, 32, 36, 38	3.9	1 / 6
6408MP10	6515M	19, 22, 24, 27, 30	3.9	
	6535M	32, 36, 38		
6408SP10	6535S	3/4, 7/8, 15/16, 1-1/16, 1-3/16, 1-1/4, 1-7/16, 1-1/2	3.8	

**6409MP**

**6409MP03**

**6409SP10**

**3/4"**

Metal case size (mm) :  
445 x 100 x 65 (0.10 cuft)



6409MP / 6409MP03



6409SP10

8  
PC.

KT NO.		Contents		
6409MP	6535M	26, 29, 30, 32, 34, 35, 36, 38	4.7	1 / 2
6409MP03	6535M	21, 22, 24, 27, 30, 32, 36, 41	4.7	
6409SP10	6535S	1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2	4.8	

**6410MP**

**6410SP**

**3/4"**

Metal case size (mm) :  
445 x 100 x 65 (0.10 cuft)



6410MP



6410SP

8  
PC.

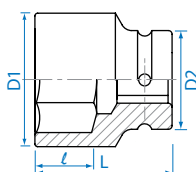
KT NO.		Contents	7.1	1 / 2
6410MP	6435M	26, 29, 30, 32, 34, 35, 36, 38		
6410SP	6435S	1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2		

# Standard Impact Socket

## 8535M



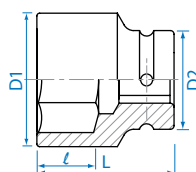
▪ DIN 3129, ISO 2725-2



## 8535S



▪ ANSI / ASME B107.2



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
853519M	19	35	54	15	58	508	1 / 24
853521M	21	37	54	15	58	537	1 / 24
853522M	22	38	54	15	58	548	1 / 24
853523M	23	39	54	17	58	544	1 / 24
853524M	24	41	54	17	58	562	1 / 24
853525M	25	42	54	17	58	562	1 / 24
853526M	26	43	54	19	58	564	1 / 24
853527M	27	44	54	19	58	565	1 / 24
853528M	28	45	54	19	58	570	1 / 24
853529M	29	47	54	19	58	591	1 / 24
853530M	30	48	54	20	60	592	1 / 24
853532M	32	51	54	20	62	647	1 / 24
853533M	33	52	54	20	62	662	1 / 24
853534M	34	53	54	20	62	665	1 / 24
853535M	35	54	54	20	62	665	1 / 24
853536M	36	56	54	20	65	721	1 / 24
853537M	37	56	54	22	65	698	1 / 24
853538M	38	58	54	22	65	733	1 / 24
853540M	40	60	54	22	65	758	1 / 24
853541M	41	61	54	22	70	824	1 / 24
853542M	42	64	54	22	70	905	1 / 20
853544M	44	67	54	26	70	978	1 / 20
853545M	45	67	54	26	70	960	1 / 20
853546M	46	68	54	26	75	1033	1 / 20
853548M	48	70	54	26	75	1061	1 / 20
853550M	50	73	54	26	75	1170	1 / 20
853552M	52	75	54	30	80	1244	1 / 12
853553M	53	76	54	30	80	1278	1 / 12
853554M	54	78	54	30	80	1351	1 / 12
853555M	55	79	54	32	83	1435	1 / 12
853558M	58	83	54	32	83	1514	1 / 12
853560M	60	86	54	32	87	1693	1 / 12
853563M	63	90	54	34	87	1750	1 / 12
853565M	65	92	54	34	90	1750	1 / 12
853566M	66	94	54	34	90	1889	1 / 12
853568M	68	95	54	34	90	1963	1 / 12
853570M	70	97	54	34	93	2036	1 / 8
853571M	71	99	86	36	93	2917	1 / 8
853575M	75	104	86	36	95	3120	1 / 8
853580M	80	110	86	43	95	3387	1 / 4
853585M	85	115	86	43	95	3532	1 / 4
853590M	90	122	86	43	100	4004	1 / 4
853595M	95	130	95	52	105	4924	1 / 2
8535A0M	100	136	95	51	105	4972	1 / 2

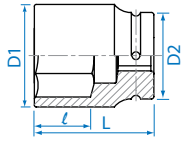
KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	g	kg
853524S	3/4	35	54	15	58	528	1 / 24
853526S	13/16	37	54	15	58	548	1 / 24
853528S	7/8	38	54	15	58	538	1 / 24
853530S	15/16	41	54	17	58	568	1 / 24
853532S	1	42	54	17	58	559	1 / 24
853534S	1-1/16	44	54	19	58	566	1 / 24
853536S	1-1/8	47	54	19	58	586	1 / 24
853538S	1-3/16	48	54	20	60	600	1 / 24
853540S	1-1/4	51	54	20	62	659	1 / 24
853542S	1-5/16	52	54	20	62	660	1 / 24
853544S	1-3/8	54	54	20	62	660	1 / 24
853546S	1-7/16	56	54	20	65	713	1 / 24
853548S	1-1/2	58	54	22	65	728	1 / 24
853550S	1-9/16	60	54	22	65	758	1 / 24
853552S	1-5/8	61	54	22	70	822	1 / 24
853554S	1-11/16	64	54	22	70	886	1 / 20
853556S	1-3/4	67	54	26	70	968	1 / 20
853558S	1-13/16	68	54	26	75	1075	1 / 20
853560S	1-7/8	70	54	26	75	1057	1 / 20
853562S	1-15/16	72	54	26	75	1100	1 / 20
853564S	2	74	54	30	75	1170	1 / 20
853566S	2-1/16	75	54	30	80	1225	1 / 12
853568S	2-1/8	78	54	30	80	1355	1 / 12
853570S	2-3/16	79	54	32	83	1423	1 / 12
853572S	2-1/4	82	54	32	83	1486	1 / 12
853574S	2-5/16	83	54	32	83	1459	1 / 12
853576S	2-3/8	86	54	32	87	1681	1 / 12
853578S	2-7/16	88	54	34	87	1681	1 / 12
853580S	2-1/2	90	54	34	87	1704	1 / 12
853582S	2-9/16	92	54	34	90	1881	1 / 12
853584S	2-5/8	94	54	34	90	1795	1 / 12
853586S	2-11/16	95	54	34	90	1931	1 / 12
853588S	2-3/4	97	54	34	93	2114	1 / 8
853590S	2-13/16	99	86	36	93	2869	1 / 8
853592S	2-7/8	102	86	36	93	2997	1 / 8
853594S	2-15/16	104	86	36	95	3161	1 / 8
853596S	3	106	86	36	95	3279	1 / 8
8535A0S	3-1/8	110	86	43	95	3386	1 / 4
8535A4S	3-1/4	112	86	43	95	3342	1 / 4
8535A8S	3-3/8	117	86	43	100	3873	1 / 4
8535B2S	3-1/2	122	86	43	100	4148	1 / 4

# Deep Impact Socket

8435M



▪ DIN 3121

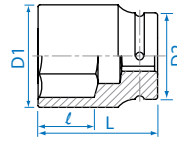


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg/cu
843524M	24	41	54	25	90	874	1 / 24
843527M	27	44	54	25	90	871	1 / 24
843528M	28	45	54	25	90	887	1 / 24
843530M	30	48	54	28	90	908	1 / 24
843532M	32	51	54	28	90	953	1 / 24
843533M	33	52	54	28	92	1016	1 / 24
843534M	34	53	54	28	92	988	1 / 24
843535M	35	54	54	28	92	1020	1 / 24
843536M	36	56	54	32	92	1034	1 / 24
843538M	38	58	54	32	92	1048	1 / 24
843540M	40	60	54	32	92	1094	1 / 24
843541M	41	61	54	32	92	1103	1 / 24
843542M	42	64	54	32	92	1236	1 / 24
843546M	46	68	54	35	95	1329	1 / 10
843548M	48	70	54	35	95	1378	1 / 10
843550M	50	73	54	35	95	1484	1 / 10
843552M	52	75	54	40	100	1594	1 / 6
843554M	54	78	54	40	100	1714	1 / 6
843555M	55	79	54	40	100	1706	1 / 6
843558M	58	83	54	42	100	1887	1 / 6
843560M	60	86	54	42	100	2022	1 / 6
843565M	65	92	54	50	110	2133	1 / 6
843570M	70	97	54	59	110	2285	1 / 6

8435S



▪ ANSI / ASME B107.1



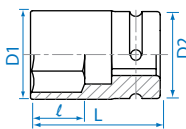
KT NO.	inch	D1 mm	D2 mm	l mm	L mm	g	kg/cu
843530S	15/16	40.8	54	25	90	872	1 / 24
843532S	1	42	54	25	90	847	1 / 24
843534S	1-1/16	44	54	25	90	868	1 / 24
843536S	1-1/8	46.3	54	25	90	911	1 / 24
843538S	1-3/16	48	54	28	90	926	1 / 24
843540S	1-1/4	51	54	28	90	980	1 / 24
843542S	1-5/16	52	54	28	92	1010	1 / 24
843544S	1-3/8	54	54	28	92	1022	1 / 24
843546S	1-7/16	56	54	32	92	1017	1 / 24
843548S	1-1/2	58	54	32	92	1048	1 / 24
843550S	1-9/16	60	54	32	92	1096	1 / 24
843552S	1-5/8	61	54	32	92	1097	1 / 24
843554S	1-11/16	64	54	32	92	1211	1 / 24
843556S	1-3/4	67	54	32	92	1312	1 / 12
843558S	1-13/16	68	54	35	95	1322	1 / 12
843560S	1-7/8	70	54	35	95	1382	1 / 6
843562S	1-15/16	72	54	35	95	1450	1 / 6
843564S	2	74	54	35	95	1510	1 / 6
843566S	2-1/16	75	54	40	100	1589	1 / 6
843568S	2-1/8	78	54	40	100	1729	1 / 6
843570S	2-3/16	79	54	40	100	1646	1 / 6
843572S	2-1/4	82	54	42	100	1837	1 / 6

# Thin Wall Impact Socket

8835M



- Thin wall version
- 6 points
- Metric size
- DIN 3121



KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg/cu
883524M	24	38.0	54	26	80	690	1 / 24
883527M	27	42.0	54	26	80	710	1 / 24
883529M	29	44.0	54	26	80	750	1 / 24
883530M	30	46.0	54	30	80	750	1 / 24
883532M	32	48.0	54	30	80	743	1 / 24
883533M	33	49.0	54	30	80	776	1 / 24
883534M	34	50.0	54	30	80	761	1 / 24
883535M	35	52.0	54	32	80	800	1 / 24
883536M	36	53.0	54	32	80	781	1 / 24
883538M	38	56.0	54	32	80	831	1 / 24
883541M	41	59.5	54	32	80	882	1 / 24

# Rear Wheel Socket

8514M

8514S

8524M 1"

- 4 points
- DIN 3121



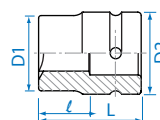
8514M



8524M



8514S



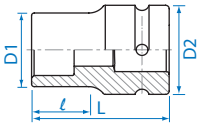
KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	kg/cu
851417M	17	40.0	54	30.0	60	612	1 / 24
851419M	19	42.0	54	30.0	60	611	1 / 24
851420M	20	43.0	54	30.0	60	625	1 / 24
851421M	21	44.0	54	30.0	60	618	1 / 24
851422M	22	45.5	54	30.0	60	629	1 / 24
852421M	21	44.0	48	30.0	60	502	1 / 24
851426S	13/16	44	54	30.0	60	617	1 / 24

# Rear Wheel Socket

8534M



- 4 points
- DIN 3121

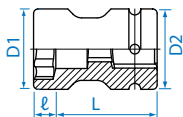


KT NO.	SQ	D1 mm	D2 mm	ℓ mm	L mm	g	kg
853417M	17	38.0	54	23.5	76	658	1 / 24
853419M	19	43.0	54	23.5	76	717	1 / 24
853421M	21	47.0	54	23.5	76	773	1 / 24

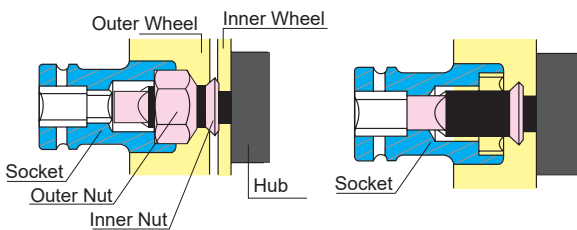
8545M



- DIN 3121
- 17SQ x35MM Isuzu, Mitsubishi, Nissan, Mazda
- 19SQ x41MM Mazda
- 20SQ x38MM Hino, Toyota, Daihatsu
- 20SQ x41MM Hino, Toyota, Daihatsu
- 21SQ x41MM Scania, Isuzu, Hino, Mitsubishi, Nissan



Use for



The wheel nut socket fits onto both outer nut and inner nut

KT NO.	SQ	mm	D1 mm	D2 mm	ℓ mm	L mm	g	kg
85451735M	17 x 35		54	54	13	83	857	1 / 24
85451941M	19 x 41		55	54	14	87	924	1 / 24
85452038M	20 x 38		58	54	14	83	796	1 / 24
85452041M	20 x 41		58	54	14	87	1086	1 / 24
85452141M	21 x 41		58	54	14	87	1017	1 / 24

# Impact Bit Socket

8015M



- Hexagon head
- DIN 3121

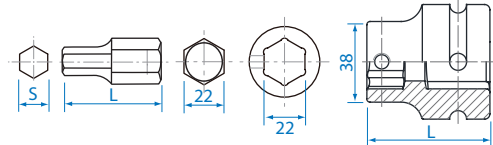


KT NO.	mm	L mm	g	kg
801519M	H19	75	656	1 / 24

1954



- Hex bit & bit holder
- DIN 3121

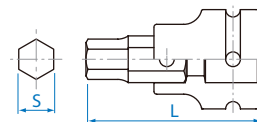


KT NO.	S mm	L mm	Max. torq N-m	g	kg
195419H	H19	54.5	1577	140	12 / 120
195422H	H22	54.5	2436	162	12 / 120
195424H	H24	54.5	2436	176	10 / 100
195427H	H27	54.5	2436	200	10 / 100
195430H	H30	54.5	2436	232	6 / 60
195432H	H32	54.5	2436	243	6 / 60
809622M	22	58.0	-	547	1 / 24

809622MxxH



- Hexagon head
- DIN 3121

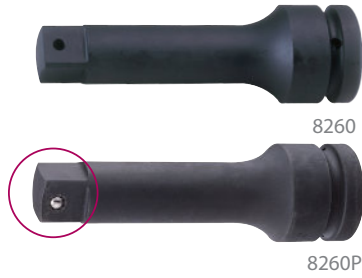


KT NO.	S mm	mm	L (mm)	Max. torq N-m	g	kg
809622M19H	H19	22	93	1577	896	1 / 10
809622M22H	H22	22	93	2436	918	1 / 10
809622M24H	H24	22	93	2436	932	1 / 10
809622M27H	H27	22	93	2436	956	1 / 10
809622M30H	H30	22	93	2436	988	1 / 10
809622M32H	H32	22	93	2436	999	1 / 10

# Impact Accessory

**8260**

- Extension bar
- DIN 3121



**8260P**

1"

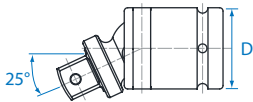
8260

8260P

KT NO.	Overall Length		g	g
	Inch	mm		
8260-07	7	175	1400	1 / 12
8260-10	10	250	1932	1 / 12
8260-13	13	330	2458	1 / 8
8260-07P	7	175	1400	1 / 12
8260-10P	10	250	1932	1 / 12
8260-13P	13	330	2458	1 / 8

**8797**

- Universal joint
- DIN 3121



**8797P**

1"



8797

8797P

KT NO.	Overall Length		D mm	g	g
	Inch	mm			
8797	5	125	60	1491	1 / 18
8797P	5	125	60	1491	1 / 18

**8866**

- Adapter
- Convert to 3/4" drive
- 8866 → Max. torque : 1412 N·m
- DIN 3121



8866

8866P

KT NO.	Spec.	g	g
8866	1" F x 3/4" M	606	4 / 32
8866P	1" F x 3/4" M	606	4 / 32

**8869**

- Adapter
- Convert to 1-1/2" drive
- DIN 3121



8869

8869P

KT NO.	Spec.	g	g
8869	1" F x 1-1/2" M	941	1 / 24
8869P	1" F x 1-1/2" M	941	1 / 24

**90405**

- Locking ring
- High tensile rubber material

**90406**

1"

**90605**

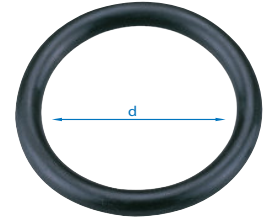
- Locking pin
- Chrome vanadium steel
- DIN 3129

**90606**

1"



90605  
90606



90405  
90406

KT NO.	Type	∅	d / l	Applied to socket sizes
90405	ring	5.5	44	8535M (19~70mm) 8535S (3/4"-2-3/4") 8435M (24~60mm) 8435S (15/16"-2-1/4") 8835M (24~60mm)
90605	pin	5.0	45	8514M.8514S.8534M.806519M 8260.8797.8866.8869
90406	ring	10	75	8535M (71~90mm) 8535S (2-13/16"-3-1/2")
90606	pin	5.0	75	

# Impact Socket Set

**8404MP**

1"

Metal case size (mm) :  
241 x 124 x 68 (0.51 cuft)



4  
PC.

Contents

4.65 1 / 4

8435M 27, 30, 32, 33

**8409MP**

1"

Metal case size (mm) :  
445 x 100 x 65 (0.104 cuft)



8  
PC.

Contents

8.9 1 / 2

8435M 24, 27, 30, 32, 33, 36, 38, 41

**8408MP**

**8408MP02** 1"

- 6 PC. thin wall deep version
- 2 PC. rear wheel, square

Metal case size (mm) :  
445 x 120 x 68 (0.128 cuft)

8  
PC.



KT NO. Contents 6.4 1 / 4

8408MP	8835M	24, 27, 32, 36, 38, 41	8534M	17, 21
8408MP02				19, 21

**8410MP**

**8410SP** 1"

Metal case size (mm) :  
280 x 130 x 74 (0.095 cuft)



8  
PC.

KT NO. Contents 6.4 1 / 4

8410MP	8535M	24, 27, 30, 32, 33, 36, 38, 41		
8410SP	8535S	15/16, 1-1/16, 1-3/16, 1-1/4, 1-5/16, 1-7/16, 1-1/2, 1-5/8		

# Impact Accessory

**9260**

**9260P** 1-1/2"

- Extension bar
- DIN 3121



9260



9260P

KT NO. Overall length

KT NO.	Overall length inch	mm		
9260-13	13	330	5900	1 / 4
9260-13P	13	330	5900	1 / 4

**9868**

**9868P** 1-1/2"

- Adapter
- Convert to 1" drive
- Max. → torque : 2515 N·m
- DIN 3121



9868



9868P

KT NO. Spec.

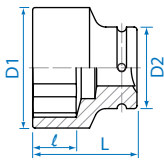
KT NO.	Spec.		
9868	1-1/2" F x 1"M	2250	1 / 6
9868P	1-1/2" F x 1"M	2250	1 / 6

# Standard Impact Socket

9535M

1-1/2"

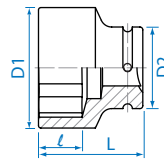
▪ DIN 3129



9535S

1-1/2"

▪ ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	mm	L mm	Kg	1/6
953532M	32	56	86	23	80	1.393	1 / 6
953533M	33	57	86	23	80	1.952	1 / 6
953534M	34	58	86	24	80	1.923	1 / 6
953536M	36	62	86	26	80	1.994	1 / 6
953538M	38	64	86	26	80	2.001	1 / 6
953541M	41	68	86	28	80	2.056	1 / 6
953542M	42	70	86	28	80	2.081	1 / 6
953546M	46	73	86	30	85	2.154	1 / 6
953550M	50	78	86	32	85	2.246	1 / 6
953555M	55	85	86	36	93	2.520	1 / 6
953560M	60	90	86	40	95	2.757	1 / 6
953565M	65	96	86	42	100	3.134	1 / 6
953570M	70	103	86	46	103	3.529	1 / 6
953575M	75	108	86	48	105	3.713	1 / 4
953580M	80	115	86	52	105	3.934	1 / 4
953585M	85	121	86	55	110	4.467	1 / 4
953590M	90	127	86	58	110	4.652	1 / 4
953595M	95	134	127	50	110	7.224	1 / 1
9535A0M	100	140	127	53	115	7.729	1 / 1
9535A5M	105	146	127	53	115	7.856	1 / 1
9535B0M	110	152	127	56	125	8.845	1 / 1
9535B5M	115	160	127	60	125	9.454	1 / 1
9535C0M	120	166	127	62	130	9.960	1 / 1
9535C5M	125	172	127	65	135	10.826	1 / 1
9535D0M	130	180	127	68	140	12.423	1 / 1
9535D5M	135	185	127	70	145	13.240	1 / 1
9535E0M	140	190	127	75	150	13.570	1 / 1
9535F0M	150	200	127	80	155	14.270	1 / 1

KT NO.	inch	D1 mm	D2 mm	mm	L mm	Kg	1/6
953564S	2	81	86	35	85	2.305	1 / 6
953566S	2-1/16	82	86	36	85	2.364	1 / 6
953568S	2-1/8	84	86	36	90	2.508	1 / 6
953570S	2-3/16	85	86	43	93	3.204	1 / 6
953572S	2-1/4	87	86	43	93	5.209	1 / 6
953574S	2-5/16	89	86	43	93	2.560	1 / 6
953576S	2-3/8	90	86	45	95	2.622	1 / 6
953578S	2-7/16	93	86	44	95	2.711	1 / 6
953580S	2-1/2	95	86	46	97	2.833	1 / 6
953582S	2-9/16	96	86	49	100	2.863	1 / 6
953584S	2-5/8	99	86	48	100	2.958	1 / 6
953586S	2-11/16	101	86	48	100	3.055	1 / 6
953588S	2-3/4	103	86	48	103	3.217	1 / 6
953590S	2-13/16	105	86	50	105	3.306	1 / 6
953592S	2-7/8	107	86	50	105	3.600	1 / 6
953594S	2-15/16	108	86	50	105	3.455	1 / 6
953596S	3	111	86	50	105	3.590	1 / 4
953598S	3-1/16	114	86	52	105	3.931	1 / 4
9535A0S	3-1/8	116	86	53	105	4.123	1 / 4
9535A2S	3-3/16	118	86	53	105	4.089	1 / 4
9535A4S	3-1/4	120	86	54	105	4.829	1 / 4
9535A6S	3-5/16	122	86	56	105	4.207	1 / 4
9535A8S	3-3/8	123	86	56	105	4.306	1 / 4
9535B0S	3-7/16	125	86	57	105	4.256	1 / 4
9535B2S	3-1/2	129	86	60	110	4.905	1 / 4
9535B4S	3-9/16	130	86	60	110	5.435	1 / 4
9535B6S	3-5/8	131	86	60	110	4.894	1 / 4
9535B8S	3-11/16	133	86	62	113	5.468	1 / 1
9535C0S	3-3/4	136	127	62	113	3.741	1 / 1
9535C2S	3-13/16	138	127	64	120	9.098	1 / 1
9535C4S	3-7/8	139	127	66	120	8.954	1 / 1
9535C6S	3-15/16	140	127	66	120	8.931	1 / 1
9535C8S	4	142	127	66	120	7.886	1 / 1
9535D0S	4-1/16	143	127	68	120	7.843	1 / 1
9535D2S	4-1/8	146	127	68	120	8.003	1 / 1
9535D4S	4-3/16	146	127	70	120	7.851	1 / 1
9535D6S	4-1/4	150	127	72	124	8.385	1 / 1
9535D8S	4-5/16	154	127	72	124	8.973	1 / 1
9535E0S	4-3/8	155	127	72	124	8.923	1 / 1
9535E2S	4-7/16	155	127	75	128	9.033	1 / 1
9535E4S	4-1/2	159	127	75	128	9.258	1 / 1
9535E8S	4-5/8	164	127	79	132	13.730	1 / 1
9535F2S	4-3/4	167	127	79	132	10.386	1 / 1
9535F6S	4-7/8	171	127	79	136	10.930	1 / 1
9535G0S	5	174	127	79	140	11.338	1 / 1
9535G4S	5-1/8	180	127	80	143	12.279	1 / 1
9535G8S	5-1/4	184	127	80	145	12.728	1 / 1
9535J2S	6	203	127	85	165	14.270	1 / 1

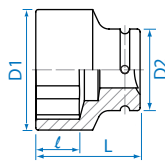


# Standard Impact Socket

**A535M**

○ 2-1/2"

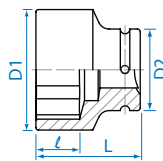
▪ DIN 3129



**A535S**

○ 2-1/2"

▪ ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	Kg	Box
A535041M	41	78	127	39	115	5.98	1 / 4
A535046M	46	83	127	39	115	5.97	1 / 4
A535050M	50	88	127	39	115	6.05	1 / 4
A535051M	51	89	127	39	115	6.06	1 / 4
A535055M	55	94	127	42	115	6.14	1 / 4
A535057M	57	96	127	42	115	6.18	1 / 4
A535060M	60	100	127	45	125	6.87	1 / 2
A535065M	65	105	127	48	125	6.90	1 / 2
A535070M	70	110	127	50	125	6.93	1 / 2
A535075M	75	115	127	55	125	7.14	1 / 2
A535076M	76	120	127	55	125	7.14	1 / 2
A535077M	77	120	127	55	125	7.15	1 / 2
A535080M	80	123	127	57	125	7.22	1 / 2
A535085M	85	127	127	60	130	7.54	1 / 2
A535086M	86	127	127	60	130	7.47	1 / 2
A535090M	90	135	127	65	130	7.90	1 / 2
A535095M	95	140	127	70	140	8.61	1 / 2
A535100M	100	145	127	70	140	8.81	1 / 2
A535105M	105	155	127	70	142	10.18	1 / 2
A535110M	110	160	127	76	155	11.51	1 / 2
A535115M	115	165	127	78	155	18.39	1 / 2
A535120M	120	175	127	80	160	13.18	1 / 1
A535125M	125	180	127	82	165	19.87	1 / 1
A535130M	130	185	127	85	170	20.64	1 / 1
A535135M	135	190	127	90	175	21.75	1 / 1
A535140M	140	200	127	95	180	24.06	1 / 1
A535145M	145	205	127	95	183	24.96	1 / 1
A535150M	150	210	127	100	190	26.91	1 / 1
A535155M	155	215	175	100	195	27.99	1 / 1
A535160M	160	225	175	100	200	31.13	1 / 1
A535165M	165	230	175	105	205	32.45	1 / 1
A535170M	170	235	175	105	205	33.15	1 / 1
A535175M	175	240	175	110	210	34.52	1 / 1
A535180M	180	250	175	110	213	38.23	1 / 1
A535185M	185	255	175	110	213	39.84	1 / 1
A535190M	190	265	175	115	220	41.49	1 / 1
A535200M	200	275	175	120	225	44.44	1 / 1
A535210M	210	285	175	125	235	48.78	1 / 1
A535215M	215	290	175	125	240	51.21	1 / 1
A535225M	225	305	175	135	250	57.57	1 / 1
A535235M	235	315	175	140	260	62.92	1 / 1

(Make - to - order production)

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	Kg	Box
A535076S	2-3/8	100	127	45	125	6.89	1 / 2
A535078S	2-7/16	103	127	45	125	6.93	1 / 2
A535080S	2-1/2	103	127	48	125	6.85	1 / 2
A535082S	2-9/16	105	127	48	125	6.90	1 / 2
A535084S	2-5/8	107	127	50	125	6.94	1 / 2
A535088S	2-3/4	110	127	50	125	6.93	1 / 2
A535090S	2-13/16	115	127	50	125	7.04	1 / 2
A535094S	2-15/16	115	127	55	125	7.16	1 / 2
A535096S	3	120	127	55	125	7.20	1 / 2
A535100S	3-1/8	123	127	57	125	7.26	1 / 2
A535108S	3-3/8	127	127	60	130	7.48	1 / 2
A535112S	3-1/2	135	127	65	130	7.98	1 / 2
A535120S	3-3/4	140	127	70	140	8.56	1 / 2
A535124S	3-7/8	145	127	70	140	8.65	1 / 2
A535126S	3-15/16	145	127	70	140	8.76	1 / 2
A535132S	4-1/8	155	127	70	142	9.91	1 / 2
A535136S	4-1/4	160	127	75	155	11.74	1 / 2
A535138S	4-5/16	160	127	75	155	12.52	1 / 2
A535144S	4-1/2	165	127	78	155	12.61	1 / 2
A535148S	4-5/8	175	127	80	160	19.18	1 / 1
A535156S	4-7/8	180	127	82	165	19.87	1 / 1
A535160S	5	185	127	82	165	20.02	1 / 1
A535164S	5-1/8	185	127	85	170	20.42	1 / 1
A535168S	5-1/4	190	127	90	175	21.81	1 / 1
A535172S	5-3/8	200	127	95	180	23.90	1 / 1
A535180S	5-5/8	205	127	95	183	24.43	1 / 1
A535184S	5-3/4	205	127	95	183	26.30	1 / 1
A535188S	5-7/8	210	127	100	190	26.62	1 / 1
A535192S	6	215	175	100	195	29.10	1 / 1
A535196S	6-1/8	220	175	100	195	28.69	1 / 1
A535200S	6-1/4	220	175	100	195	28.58	1 / 1
A535204S	6-3/8	225	175	100	200	30.77	1 / 1
A535208S	6-1/2	230	175	105	205	31.05	1 / 1
A535212S	6-5/8	235	175	105	205	32.17	1 / 1
A535216S	6-3/4	235	175	105	205	33.68	1 / 1
A535220S	6-7/8	240	175	110	210	32.41	1 / 1
A535224S	7	245	175	110	210	35.53	1 / 1
A535240S	7-1/2	265	175	115	220	41.16	1 / 1
A535244S	7-5/8	265	175	115	220	41.52	1 / 1
A535252S	7-7/8	275	175	120	225	44.46	1 / 1
A535256S	8	280	175	120	230	45.89	1 / 1

(Make - to - order production)

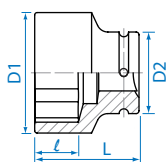


# Standard Impact Socket

**B535M**

3-1/2"

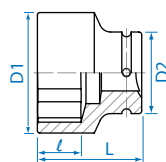
▪ DIN 3129



**B535S**

3-1/2"

▪ ANSI / ASME B107.1



KT NO.	mm	D1 mm	D2 mm	ℓ mm	L mm	Kg	Icons
B535105M	105	165	175	70	175	18.73	1 / 1
B535110M	110	170	175	75	175	19.19	1 / 1
B535115M	115	175	175	78	180	19.74	1 / 1
B535120M	120	180	175	80	185	20.24	1 / 1
B535125M	125	185	175	82	185	21.86	1 / 1
B535130M	130	190	175	85	194	22.70	1 / 1
B535135M	135	200	175	90	200	24.24	1 / 1
B535140M	140	205	175	95	205	25.59	1 / 1
B535145M	145	210	175	95	210	31.12	1 / 1
B535150M	150	215	175	100	210	32.38	1 / 1
B535160M	160	230	175	100	220	35.85	1 / 1
B535165M	165	235	175	105	224	37.92	1 / 1
B535170M	170	240	175	105	225	38.71	1 / 1
B535175M	175	245	175	110	230	40.05	1 / 1
B535180M	180	255	200	110	230	43.77	1 / 1
B535185M	185	260	200	110	235	46.94	1 / 1
B535190M	190	270	200	115	240	50.60	1 / 1
B535200M	200	280	200	120	245	52.90	1 / 1
B535210M	210	290	200	125	250	57.50	1 / 1
B535215M	215	300	200	125	250	60.06	1 / 1
B535225M	225	310	200	135	265	61.50	1 / 1
B535235M	235	315	200	140	267	67.91	1 / 1

(Make - to - order production)

KT NO.	inch	D1 mm	D2 mm	ℓ mm	L mm	Kg	Icons
B535132S	4-1/8	165	175	70	175	18.74	1 / 1
B535136S	4-1/4	168	175	75	175	19.08	1 / 1
B535140S	4-3/8	170	175	75	175	19.74	1 / 1
B535144S	4-1/2	175	175	78	180	19.72	1 / 1
B535148S	4-5/8	175	175	80	180	19.95	1 / 1
B535152S	4-3/4	180	175	80	185	20.14	1 / 1
B535156S	4-7/8	185	175	82	185	22.04	1 / 1
B535160S	5	190	175	82	194	21.59	1 / 1
B535164S	5-1/8	190	175	85	194	22.64	1 / 1
B535168S	5-1/4	200	175	90	200	23.59	1 / 1
B535172S	5-3/8	200	175	95	200	24.64	1 / 1
B535176S	5-1/2	205	175	95	205	25.57	1 / 1
B535180S	5-5/8	205	175	95	205	30.53	1 / 1
B535184S	5-3/4	210	175	95	210	31.92	1 / 1
B535188S	5-7/8	215	175	100	210	32.50	1 / 1
B535192S	6	220	175	100	215	33.43	1 / 1
B535196S	6-1/8	220	175	100	215	34.28	1 / 1
B535200S	6-1/4	230	175	100	220	35.13	1 / 1
B535204S	6-3/8	230	175	100	220	36.51	1 / 1
B535208S	6-1/2	235	175	105	224	37.76	1 / 1
B535212S	6-5/8	235	175	105	224	37.98	1 / 1
B535216S	6-3/4	240	175	105	225	38.70	1 / 1
B535220S	6-7/8	245	175	110	230	39.87	1 / 1
B535224S	7	250	200	110	230	41.99	1 / 1
B535228S	7-1/8	255	200	110	230	44.24	1 / 1
B535232S	7-1/4	260	200	110	235	46.61	1 / 1
B535236S	7-3/8	270	200	115	240	48.11	1 / 1
B535240S	7-1/2	270	200	115	240	50.65	1 / 1
B535244S	7-5/8	275	200	115	240	51.49	1 / 1
B535248S	7-3/4	280	200	120	245	52.11	1 / 1
B535252S	7-7/8	280	200	120	245	53.59	1 / 1
B535256S	8	285	200	120	245	55.59	1 / 1
B535260S	8-1/8	290	200	120	250	56.25	1 / 1
B535264S	8-1/4	290	200	125	250	57.50	1 / 1
B535268S	8-3/8	300	200	125	250	59.14	1 / 1
B535272S	8-1/2	300	200	125	250	59.43	1 / 1
B535276S	8-5/8	305	200	135	260	61.94	1 / 1
B535280S	8-3/4	310	200	135	265	64.58	1 / 1
B535284S	8-7/8	315	200	140	267	66.14	1 / 1

(Make - to - order production)

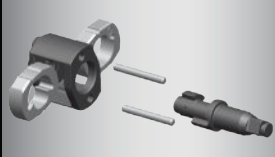


# PNEUMATIC TOOLS ▶

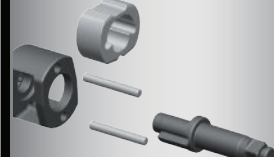




New Twin Hammer

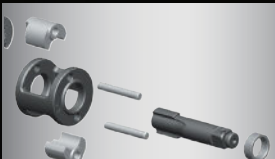


Twin Hammer



Jumbo Hammer

### Mechanical Structure



Twin Dog

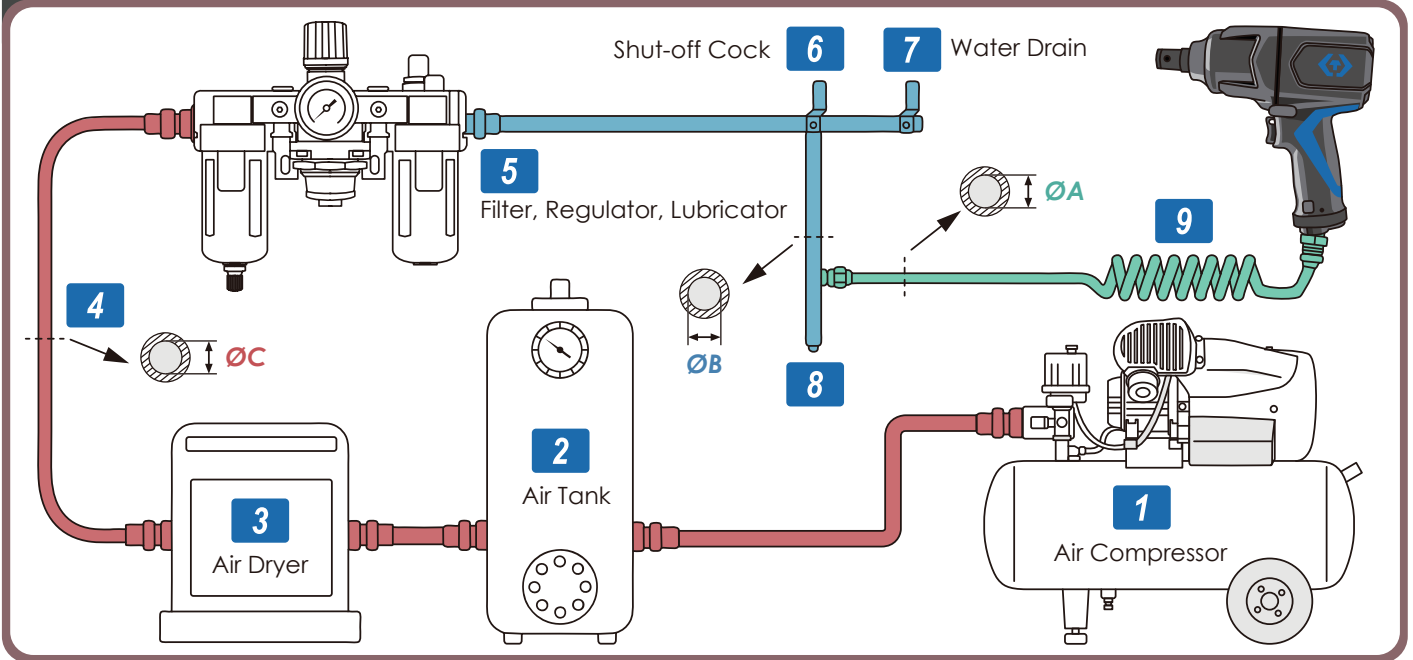


Pinless Hammer



# What you need to know

## Air supply system :



## Piping diameters and length requirement :

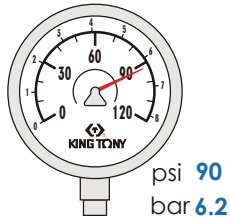
$\varnothing A$  = Follow air tools specification table, length should be less than 4.5m.

$\varnothing B$  = 2 times tools hose size. ( $\varnothing B = 2x\varnothing A$ )

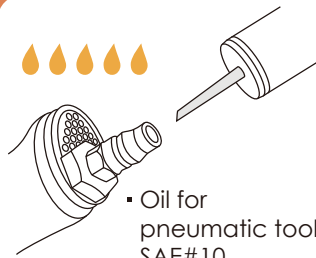
$\varnothing C$  = 3 times tools hose size. ( $\varnothing C = 3x\varnothing A$ )



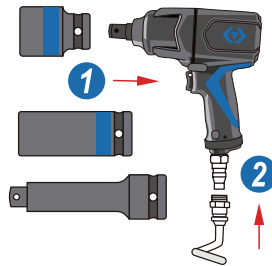
### Preparation



• Set the air pressure

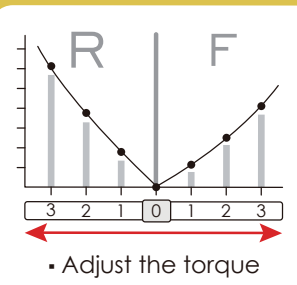
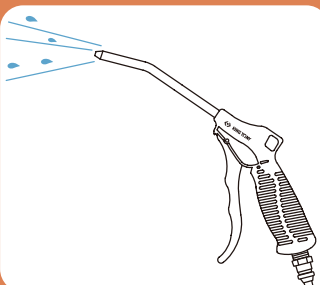
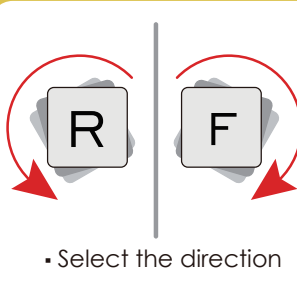
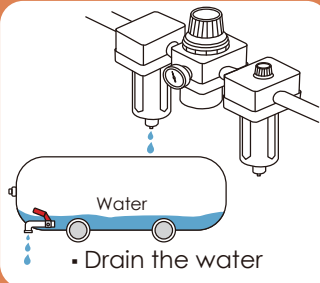
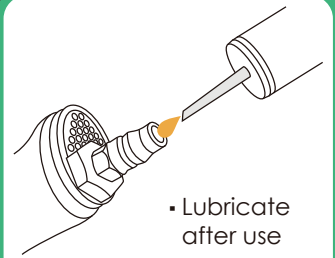
















































































































### Operation



• Select the direction

### Maintenance



KT NO.	Drive	Max. torque		Type			Working place	Anvil		Page		
		ft-lb 	N-m	Standard	Lightweight	Mini.		STD	Long			
33491-030 33491-031		300	407				   	<input type="radio"/>		256		
33431-050 33431-051		500	678				   	<input type="radio"/>		257		
33411-040 33411-041		500	678				 	<input type="radio"/>		258		
33421-040 33421-041		500	678				 	<input type="radio"/>		258		
33411-050 33411-051		650	881				 	<input type="radio"/>		258		
33412-050 33412-051		650	881				 		<input type="radio"/>	②	258	
33431-065		650	881				  	<input type="radio"/>		259		
33461-100 33461-101		1000	1356				  	<input type="radio"/>		255		
33481-095 33481-096		950	1288				  	<input type="radio"/>		260		
33611-055 33611-056			700	949				 	<input type="radio"/>		259	
33612-055			700	949				 		<input type="radio"/>	②	259
33621-075 33621-076			800	1085				 	<input type="radio"/>		259	
33622-075 33622-076	800		1085				 		<input type="radio"/>	⑥	259	
33681-100 33681-101	1100		1491				  	<input type="radio"/>		259		
33631-110 33631-111	1100		1491				  	<input type="radio"/>		260		
33632-110 33632-111	1100		1491				  		<input type="radio"/>	⑥	260	
33671-160 33672-160	1600		2170				   	<input type="radio"/>		⑥	262	
33851-120 33851-121			1200	1626				   	<input type="radio"/>		261	
33852-120 33852-121			1200	1626				  		<input type="radio"/>	⑥	261
33811-150 33812-150			1500	2033				  	<input type="radio"/>		⑥	263
33871-160 33872-160			1600	2170				  	<input type="radio"/>		⑥	262
33841-180 33842-180		1800	2440				  	<input type="radio"/>		⑥	261	
33831-180 33832-180		1800	2440				  	<input type="radio"/>		⑥	263	
33861-200 33862-200		2000	2712				  	<input type="radio"/>		⑥	264	
33851-250 33852-250		2500	3388				 	<input type="radio"/>		⑧	265	
33911-250 33912-250			2500	3388				   	<input type="radio"/>		⑧	265
33921-300 33922-300			3000	4065				   	<input type="radio"/>		⑧	265



PNEUMATIC TOOLS



# 1/2" DR. Super Duty Composite Impact Wrench



PNEUMATIC TOOLS

**33461-100**

**33461-101**



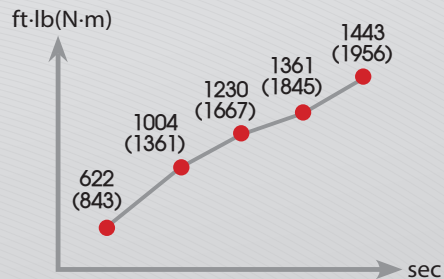
▪ TPR ergonomic handle material reduces vibration



▪ 3-speed power setting, full speed in reverse



1/2"  
33461



KT NO.	Square drive inch mm	Std. bolt size inch mm	Free speed R.P.M.	Max. torque ft-lb N-m	Overall length Inch mm	Air inlet Inch	Air hose ID Inch	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight Kgs lbs								
33461-100	1/2"	12.70	1"	M24	9500	1000	1356	7.5	190	1/4" BSPT	3/8"	6.2	90	207	7.3	99.2	13.32	2.40	5.28	1 / 8
33461-101	1/2"	12.70	1"	M24	9500	1000	1356	7.5	190	1/4" NPT	3/8"	6.2	90	207	7.3	99.2	13.32	2.40	5.28	1 / 8

# Ultra Compact Angle Impact Wrench

**33491-030**



- Easy to work in confined space, head length 88mm
- Ergonomic handle in hand and great power setting
- Lightweight : 1.4Kg
- Max. torque : 350ft-lb (475N·m) in reverse



1/2"  
33491



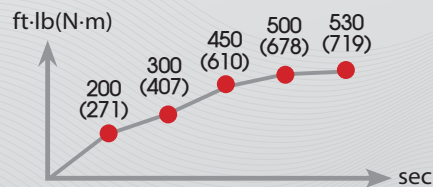
- 3-speed power setting  
3 2 1
- Full speed in reverse  
3



- 360° swivel exhaust deflector



- Gearless hammer design  
Reduces vibration by 50%,  
Increases torque by 20%



KT NO.	Square drive Inch mm	Std. bolt size Inch mm	Free speed R.P.M	Max. torque ft-lb N·m	Overall length Inch mm	Air Inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S2	Net weight Kgs lbs	
33491-030	1/2" 12.70	9/16" M14	6,500	300 407	9-64/49" 248	1/4"BSPT	3/8"	6.2 90	119 4.2	94.00	7.48	1.40 3.09	1/12
33491-031	1/2" 12.70	9/16" M14	6,500	300 407	9-64/49" 248	1/4"NPT	3/8"	6.2 90	119 4.2	94.00	7.48	1.40 3.09	1/12



# Mini Impact Wrench

## 33431-050



- Mini design, overall length 109mm with 1.35kg
- Nickel chrome molybenum square drive
- Improved jumbo hammer design : 30% higher torque
- One hand operation



1/2"  
33431



- One-hand control forward & reverse switch



- Convenient to switch on both sides



- 3-speed regulator for precise control



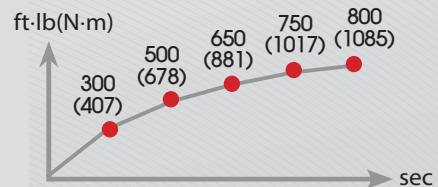
- Ergonomic design interchangeable rubber grip

-15% length

- 360 rotation air inlet connector design



- Air exhaust away from the operator

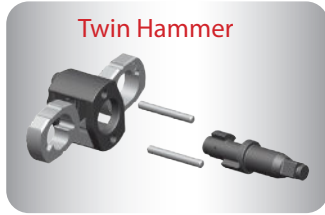


KT NO.	Square drive inch mm	Type Std/Long anvil	Std. bolt size inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length inch mm	Air inlet inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib. M/S2	Net weight kgs lbs
33431-050	1/2" 12.70	Std.anvil	5/8" M16	9000	500 678	4-19/64" 109	1/4"BSPT	3/8"	6.2 90	142 5.0	101.02	8.70	1.35 2.98 1 / 12
33431-051	1/2" 12.70	Std.anvil	5/8" M16	9000	500 678	4-19/64" 109	1/4"NPT	3/8"	6.2 90	142 5.0	101.02	8.70	1.35 2.98 1 / 12

# Impact Wrench

## 33421

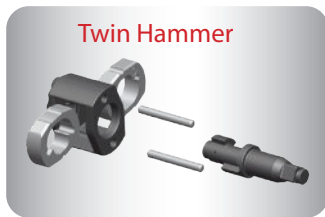
- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on front exhaust



33421

KT NO.	Square drive inch mm	Type Std./Long anvil	Std. bolt size inch mm	Free speed R.P.M.	Max. torque ft-lb N-m	Overall length inch mm	Air inlet inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
33421-040	1/2" 12.70	Std. anvil	5/8" M16	8000	500 678	6-3/4" 171	1/4" BSPT	3/8"	6.2 90	113 4.0	101.02	8.70	2.56 5.64 1 / 8
33421-041	1/2" 12.70	Std. anvil	5/8" M16	8000	500 678	6-3/4" 171	1/4" NPT	3/8"	6.2 90	113 4.0	101.02	8.70	2.56 5.64 1 / 8

## 33411-040



33411-040

## 33411-050 / 33412-050



33411-050



33412-050

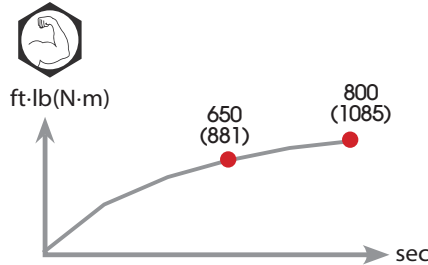
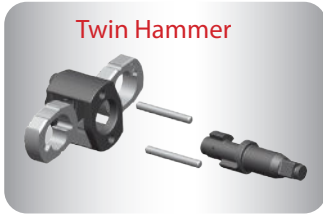
KT NO.	Square drive inch mm	Type Std./Long anvil	Std. bolt size inch mm	Free speed R.P.M.	Max. torque ft-lb N-m	Overall length inch mm	Air inlet inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
33411-040	1/2" 12.70	Std. anvil	5/8" M16	8000	500 678	7-23/64" 187	1/4" BSPT	3/8"	6.2 90	113 4.0	95.22	4.85	2.60 5.73 1 / 8
33411-041	1/2" 12.70	Std. anvil	5/8" M16	8000	500 678	7-23/64" 187	1/4" NPT	3/8"	6.2 90	113 4.0	95.22	4.85	2.60 5.73 1 / 8
33411-050	1/2" 12.70	Std. anvil	3/4" M19	8000	650 881	7-41/64" 194	1/4" BSPT	3/8"	6.2 90	125 4.4	96.50	8.13	2.80 6.17 1 / 8
33411-051	1/2" 12.70	Std. anvil	3/4" M19	8000	650 881	7-41/64" 194	1/4" NPT	3/8"	6.2 90	125 4.4	96.50	8.13	2.80 6.17 1 / 8
33412-050	1/2" 12.70	Long anvil	3/4" M19	8000	650 881	9-23/64" 238	1/4" BSPT	3/8"	6.2 90	125 4.4	96.19	6.84	3.20 7.05 1 / 8
33412-051	1/2" 12.70	Long anvil	3/4" M19	8000	650 881	9-23/64" 238	1/4" NPT	3/8"	6.2 90	125 4.4	96.19	6.84	3.20 7.05 1 / 8

# Impact Wrench



## 33431

- One-handed F / R control
- Convenient to switch on both sides
- 3-speed regulator for precise control
- Ergonomic design interchangeable rubber grip



KT NO.	Square drive Inch mm	Type Std./Long anvil	Std. bolt size Inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length Inch mm	Air inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
33431-065	1/2"	12.70 Std.anvil	3/4" M19	8000	650 881	6-7/8" 175	1/4"BSPT	3/8"	6.2 90	139 4.9	101.50	9.37	2.58 5.69 1 / 8

## 33611 / 33612

- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on handle exhaust



KT NO.	Square drive Inch mm	Type Std./Long anvil	Std. bolt size Inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length Inch mm	Air inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
33611-055	3/4"	19.05 Std. anvil	7/8" M20	6500	700 949	7-13/32" 188	1/4"BSPT	3/8"	6.2 90	125 4.4	96.56	8.64 3.00	6.61 1 / 8
33611-056	3/4"	19.05 Std. anvil	7/8" M20	6500	700 949	7-13/32" 188	1/4"NPT	3/8"	6.2 90	125 4.4	96.56	8.64 3.00	6.61 1 / 8
33612-055	3/4"	19.05 Long anvil	7/8" M20	6500	700 949	11-13/32" 290	1/4"BSPT	3/8"	6.2 90	125 4.4	96.86	6.17 3.40	7.50 1 / 8
33621-075	3/4"	19.05 Std. anvil	1" M24	6500	800 1085	8-63/64" 228	1/4"BSPT	3/8"	6.2 90	198 7.0	97.28	6.89 4.50	9.92 1 / 4
33621-076	3/4"	19.05 Std. anvil	1" M24	6500	800 1085	8-63/64" 228	1/4"NPT	3/8"	6.2 90	198 7.0	97.28	6.89 4.50	9.92 1 / 4
33622-075	3/4"	19.05 Long anvil	1" M24	6500	800 1085	12-63/64" 330	1/4"BSPT	3/8"	6.2 90	198 7.0	96.68	6.46 5.00	11.02 1 / 4
33622-076	3/4"	19.05 Long anvil	1" M24	6500	800 1085	12-63/64" 330	1/4"NPT	3/8"	6.2 90	198 7.0	96.68	6.46 5.00	11.02 1 / 4

# Composite Impact Wrench



## 33481

- One-handed F / R control
- 4-speed power setting, full speed in reverse
- TPR ergonomic handle material reduces vibration



*lightweight*  
**20% - 48%**

## 33681



33481



33681

KT NO.	Square drive		Type Std./Long anvil	Std. bolt size		Free speed R.P.M	Max. torque		Overall length		Air inlet inch	Air hose ID	Air pressure		Avg. air consumption L/min CFM	Sound DBA	Vib M/S2	Net weight		Icons	
	inch	mm		inch	mm		ft-lb	N-m	inch	mm			bar	psi				kgs	lbs		
33481-095	1/2"	12.70	Std.anvil	1"	M24	8000	950	1288	7-3/4"	197	1/4"BSPT	3/8"	6.2	90	190	6.7	96.00	8.10	2.25	4.96	1 / 8
33481-096	1/2"	12.70	Std.anvil	1"	M24	8000	950	1288	7-3/4"	197	1/4"NPT	3/8"	6.2	90	190	6.7	96.00	8.10	2.25	4.96	1 / 8
33681-100	3/4"	19.05	Std.anvil	1-3/16"	M30	8000	1100	1491	8-3/8"	211	1/4"BSPT	3/8"	6.2	90	190	6.7	96.00	8.98	2.35	5.20	1 / 8
33681-101	3/4"	19.05	Std.anvil	1-3/16"	M30	8000	1100	1491	8-3/8"	211	1/4"NPT	3/8"	6.2	90	190	6.7	96.00	8.98	2.35	5.20	1 / 8

## 33631 / 33632

- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on handle exhaust



KT NO.	Square drive		Type Std./Long anvil	Std. Bolt Size		Free Speed R.P.M	Max. Torque		Overall Length		Air inlet inch	Air Hose ID	Air Pressure		Avg. Air Consumption L/min CFM	Sound DBA	Vib M/S2	Net Weight		Icons	
	inch	mm		inch	mm		ft-lb	N-m	inch	mm			bar	psi				kgs	lbs		
33631-110	3/4"	19.05	Std. anvil	1-3/16"	M30	5500	1100	1491	8-43/64"	220	3/8"BSPT	1/2"	6.2	90	269	9.5	98.35	5.31	5.60	12.35	1 / 4
33631-111	3/4"	19.05	Std. anvil	1-3/16"	M30	5500	1100	1491	8-43/64"	220	3/8"NPT	1/2"	6.2	90	269	9.5	98.35	5.31	5.60	12.35	1 / 4
33632-110	3/4"	19.05	Long anvil	1-3/16"	M30	5500	1100	1491	14-55/64"	377	3/8"BSPT	1/2"	6.2	90	269	9.5	97.20	7.90	6.04	13.32	1 / 4
33632-111	3/4"	19.05	Long anvil	1-3/16"	M30	5500	1100	1491	14-55/64"	377	3/8"NPT	1/2"	6.2	90	269	9.5	97.20	7.90	6.04	13.32	1 / 4

# Impact Wrench

33851 / 33852

- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on handle exhaust

New Twin Hammer



33841 / 33842



1"  
33851



1"  
33841



1"  
33852



1"  
33842



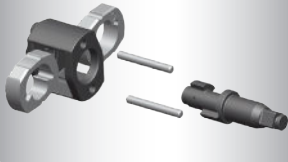
KT NO.	Square drive inch mm	Type Std/Long anvil	Std. bolt size inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length inch mm	Air inlet inch	Air hose ID	Air pressure bar psi	Avg. air consumption l/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs	
33851-120	1" 25.40	Std. anvil	1-17/64" M32	5500	1200 1626	8-53/64" 224	3/8"BSPT	1/2"	6.2 90	269 9.5	99.75	6.57	5.64 12.43	1 / 4
33851-121	1" 25.40	Std. anvil	1-17/64" M32	5500	1200 1626	8-53/64" 224	3/8"NPT	1/2"	6.2 90	269 9.5	99.75	6.57	5.64 12.43	1 / 4
33852-120	1" 25.40	Long anvil	1-17/64" M32	5500	1200 1626	14-1/64" 356	3/8"BSPT	1/2"	6.2 90	269 9.5	98.00	8.40	6.04 13.32	1 / 4
33852-121	1" 25.40	Long anvil	1-17/64" M32	5500	1200 1626	14-1/64" 356	3/8"NPT	1/2"	6.2 90	269 9.5	98.00	8.40	6.04 13.32	1 / 4
33841-180	1" 25.40	Std. anvil	1-27/64" M36	4000	1800 2440	12-3/32" 307	1/2" BSPT / NPT	3/4"	6.2 90	255 9.0	101.56	4.37	10.62 23.41	1 / 2
33842-180	1" 25.40	Long anvil	1-27/64" M36	4000	1800 2440	20-5/64" 510	1/2" BSPT / NPT	3/4"	6.2 90	255 9.0	99.85	5.87	12.52 27.60	1 / 2

# Impact Wrench

33671 / 33672

- Lightweight durable composite housing
- Nickel chrome molybdenum square drive
- Comfortable rubber handle

Twin Hammer



-10% Length

18-19/64"

-45% weight

6.40kg

-10% Length

18-39/64"

-45% weight

6.70kg

33871 / 33872



3/4"

33671-160

3/4"

33672-160

1"

33871-160

1"

33872-160

KT NO.	Square drive inch mm	Type Std./Long anvil	Std. Bolt Size inch mm	Free Speed R.P.M	Max. Torque ft-lb N-m	Overall Length inch mm	Air Inlet inch	Air Hose ID	Air Pressure bar psi	Avg. Air Consumption L/min CFM	Sound DBA	Vib. M/S <sup>2</sup>	Net Weight kgs lbs	
33671-160	3/4" 19.05	Std. anvil	1-3/16" M30	5500	1600 2170	12-1/2" 318	1/2" BSPT / NPT	3/4"	6.2 90	241 8.5	105.00	15.40	5.70 12.57	1 / 2
33672-160	3/4" 19.05	Long anvil	1-3/16" M30	5500	1600 2170	18-19/64" 465	1/2" BSPT / NPT	3/4"	6.2 90	241 8.5	106.00	13.80	6.40 14.11	1 / 2
33871-160	1" 25.40	Std. anvil	1-3/16" M30	5500	1600 2170	12-45/64" 323	1/2" BSPT / NPT	3/4"	6.2 90	241 8.5	106.00	13.70	5.80 12.79	1 / 2
33872-160	1" 25.40	Long anvil	1-3/16" M30	5500	1600 2170	18-39/64" 473	1/2" BSPT / NPT	3/4"	6.2 90	241 8.5	104.00	14.98	6.70 14.77	1 / 2

# Impact Wrench

33811 / 33812


- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on handle exhaust

33831 / 33832




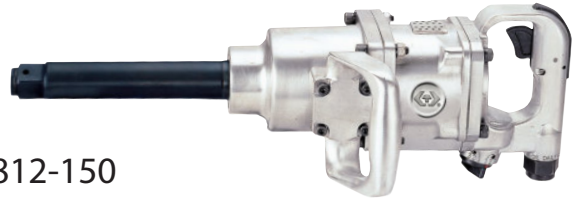
New Twin Hammer



1"  33811-150



1"  33812-150




1"  33831-180



1"  33832-180

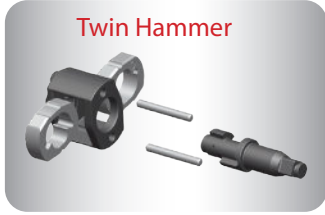


KT NO.	Square drive		Type Std/Long anvil	Std. Bolt Size		Free Speed R.P.M	Max. Torque		Overall Length		Air Inlet Inch	Air Hose ID	Air Pressure		Avg. Air Consumption	Sound DBA	Vib M/S2	Net Weight			
	Inch	mm		Inch	mm		ft-lb	N-m	Inch	mm			bar	psi				L/min	CFM		kgs
33811-150	1"	25.40	Std. anvil	1-1/4"	M36	4000	1500	2033	14-19/32"	371	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	101.17	10.77	10.30	22.71	1 / 1
33812-150	1"	25.40	Long anvil	1-1/4"	M36	4000	1500	2033	20-19/32"	523	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	100.40	6.13	11.30	24.91	1 / 1
33831-180	1"	25.40	Std. anvil	1-1/2"	M38	4000	1800	2440	14-19/32"	371	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	102.11	8.84	11.50	25.35	1 / 1
33832-180	1"	25.40	Long anvil	1-1/2"	M38	4000	1800	2440	20-19/32"	523	1/2" BSPT / NPT	3/4"	6.2	90	255	9.0	103.99	6.60	12.50	27.56	1 / 1

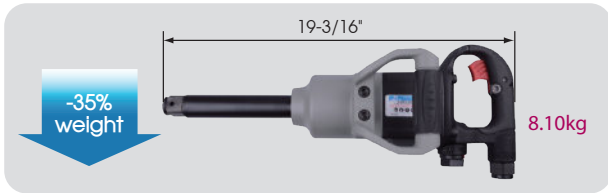
# Impact Wrench

## 33861 / 33862

- Light weight durable composite housing
- Nickel chrome molybdenum square drive
- Comfortable rubber handle



→ -10% Length ←



33861-200



33862-200



KT NO.	Square drive inch mm	Type Std./Long anvil	Std. bolt size inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length inch mm	Air inlet inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib. M/S <sup>2</sup>	Net weight kgs lbs	
33861-200	1"	25.40 Std. anvil	1-27/64" M36	5000	2000 2712	13-43/64" 347	1/2" BSPT / NPT	3/4"	6.2 90	255 9.0	106.00	17.20	7.40 16.31	1 / 2
33862-200	1"	25.40 Long anvil	1-27/64" M36	5000	2000 2712	19-3/16" 487	1/2" BSPT / NPT	3/4"	6.2 90	255 9.0	104.00	14.50	8.10 17.86	1 / 2





# Impact Wrench

33851 / 33852

33911 / 33912

33921 / 33922

- Nickel chrome molybdenum square drive
- Variable speed trigger
- Muffled on handle exhaust



New Twin Hammer



33851-250



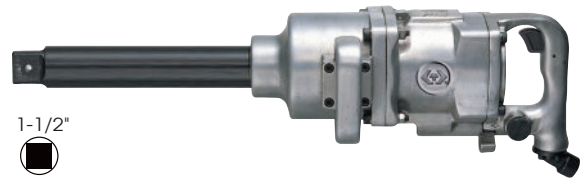
33852-250



33911-250  
33921-300



33912-250  
33922-300



KT NO.	Square drive Inch mm	Type Std./Long anvil	Std. Bolt Size Inch mm	Free Speed R.P.M	Max. Torque ft-lb N-m	Overall Length Inch mm	Air Inlet Inch	Air Hose ID	Air Pressure bar psi	Avg. Air Consumption L/min CFM	Sound DBA	Vib M/S2	Net Weight kgs lbs
33851-250	1" 25.40	Std. anvil	1-25/32" M45	3000	2500 3388	17-11/64" 436	1/2" BSPT / NPT	3/4"	6.2 90	411 14.5	101.15	6.30	15.80 34.83 1 / 1
33852-250	1" 25.40	Long anvil	1-25/32" M45	3000	2500 3388	24-7/8" 632	1/2" BSPT / NPT	3/4"	6.2 90	411 14.5	101.91	6.49	18.70 41.23 1 / 1
33911-250	1-1/2" 38.10	Std. anvil	1-25/32" M45	3000	2500 3388	17-53/64" 453	1/2" BSPT / NPT	3/4"	6.2 90	411 14.5	104.13	6.32	15.80 34.83 1 / 1
33912-250	1-1/2" 38.10	Long anvil	1-25/32" M45	3000	2500 3388	23-53/64" 605	1/2" BSPT / NPT	3/4"	6.2 90	411 14.5	103.90	6.53	18.70 41.23 1 / 1
33921-300	1-1/2" 38.10	Std. anvil	2" M50	3000	3000 4065	17-3/4" 451	1/2" BSPT / NPT	3/4"	6.2 90	453 16.0	104.52	8.86	19.70 43.43 1 / 1
33922-300	1-1/2" 38.10	Long anvil	2" M50	3000	3000 4065	25-15/32" 647	1/2" BSPT / NPT	3/4"	6.2 90	453 16.0	104.52	7.12	22.80 50.27 1 / 1

# Impact Socket & Wrench Set

44116MP














1/2"



Blow case size (mm) :  
315 x 250 x 120 (0.334 cuft)

- 10 PC. impact sockets 9~27mm
- 3 PC. thin wall impact sockets 17, 19, 21mm
- 1 PC. impact wrench
- 1 PC. extension bar
- 1 PC. universal joint
- 2 PC. ring  $\varnothing$  3.5 x 19mm &  $\varnothing$  3.5 x 23mm
- 2 PC. pin  $\varnothing$  3 x 20 &  $\varnothing$  3 x 25 (6150)
- 1 PC. air inlet adapter

21  
PC.

KT NO.	Contents	6.1	1 / 4
44116MP	 4435M 9, 10, 11, 13, 14, 17, 19, 22, 24, 27		 SY-221M (1/4"BSPT)
44116MP04	 4415M 17, 19, 21		 SY-2-11M (1/4"BSPT)
44116MP10	 4260-05  4797  90601  90401  90602  90402		 SY-231M (1/4"NPT)

44118MP






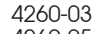







1/2"



Blow case size (mm) :  
420 x 315 x 100 (0.475 cuft)

- 14 PC. deep impact sockets 10~27mm
- 1 PC. impact wrench
- 2 PC. extension bars, 3" & 5" L
- 1 PC. universal joint
- 2 PC. ring  $\varnothing$  3.5 x 19mm &  $\varnothing$  3.5 x 23mm
- 2 PC. pin  $\varnothing$  3 x 20mm &  $\varnothing$  3 x 25mm (6150)
- 1 PC. air inlet adapter

23  
PC.

KT NO.	Contents	8.4	1 / 2
44118MP	 4435M 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 23, 24, 26, 27		 SY-221M (1/4"BSPT)
44118MP04	 4260-03  4797  4260-05		 SY-211M (1/4"BSPT)
44118MP10	 90601  90401  90602  90402		 SY-231M (1/4"NPT)

# Impact Socket & Wrench Set

44801FMP

1/2"



- 12 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 3 PC. thin wall impact sockets with plastic sleeve 17, 19, 21mm
- 1 PC. extension bar 3" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

Blow case size (mm) :  
422 x 275 x 85mm (0.35cuff)

20  
PC.

KT NO.	Contents	Weight (kg)	Volume (1/4)
44801FMP	4535M 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24	5.79	1 / 4
44801AMP	4945MX 17, 19, 21		
44801BMP	4260-03P 4797P LUBE15		
		33481-095	SY-221M (1/4"BSPT)
		33481-096	SY-231M (1/4"NPT)

44801FMP01

1/2"



- 12 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 3 PC. thin wall impact sockets with plastic sleeve 17, 19, 21mm
- 1 PC. extension bar 3" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

Blow case size (mm) :  
422 x 275 x 85mm (0.35cuff)

20  
PC.

KT NO.	Contents	Weight (kg)	Volume (1/4)
44801FMP01	4535M 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24	6.03	1 / 4
44801AMP01	4945MX 17, 19, 21		
	4260-03P 4797P LUBE15		
		33431-065	SY-221M (1/4"BSPT)
			SY-211M (1/4"BSPT)

44802FMP

1/2"



- 11 PC. standard impact sockets 10~24mm
- 1 PC. impact wrench
- 1 PC. extension bar
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

Blow case size (mm) :  
340 x 263 x 80mm (0.253 cuff)

16  
PC.

KT NO.	Contents	Weight (kg)	Volume (1/4)
44802FMP	4535M	3.9	1 / 3
44802AMP	4260-05P 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24,		
44802BMP	4796P LUBE15		
		33431-050	SY-221M (1/4"BSPT)
		33431-051	SY-211M (1/4"BSPT)
			SY-231M (1/4"NPT)

# Impact Socket & Wrench Set

44803FMP

1/2"



Blow case size (mm) :  
422 x 275 x 85mm (0.35cuff)

15  
PC.

- 7 PC. standard impact sockets 17~27mm
- 1 PC. impact wrench
- 3 PC. deep impact sockets 17, 19, 21mm
- 1 PC. extension bar 5" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

KT NO.	Contents	Weight 5.7	Volume 1 / 4
44803FMP	 4535M 17, 18, 19, 21, 22, 24, 27		 SY-221M (1/4"BSPT)
44803AMP	 4435M 17, 19, 21		
44803BMP	 4260-05P  4799P  LUBE15		 SY-231M (1/4"NPT)

64801FMP

3/4"



Blow case size (mm) :  
422 x 275 x 85mm(0.35 cuff)

13  
PC.

- 8 PC. standard impact sockets 19~38mm
- 1 PC. impact wrench
- 1 PC. extension bar 7" L
- 1 PC. universal joint
- 1 PC. air inlet adapter
- 1 PC. lube

KT NO.	Contents	Weight 8.48	Volume 1 / 2
64801FMP	 6515M 19, 22, 24, 27, 30		 SY-221M (1/4"BSPT)
64801AMP	 6535M 32, 36, 38		
64801BMP	 6260-07P  6797P  LUBE15		 SY-231M (1/4"NPT)

64114FMP




3/4"



Blow case size (mm) :  
422 x 360 x 110 (0.59 cuff)

18  
PC.

- 11 PC. impact sockets 19~38mm
- 1 PC. impact wrench
- 1 PC. extension bar, 7" L (w/o ball)
- 1 PC. universal joint
- 1 PC. ring Ø 5.5 x 37mm
- 1 PC. pin Ø 4.0 x 35mm
- 1 PC. air inlet adapter
- 1 PC. lube

KT NO.	Contents	Weight 12.32	Volume 1 / 2
64114FMP	 6535M 19, 22, 24, 27, 28, 30, 32, 33, 34, 36, 38		 SY-221M (1/4"BSPT)
64114AMP	 6260-07  6797  90603  90404		
64114BMP	 LUBE15		 SY-231M (1/4"NPT)

# Impact Screwdriver

3312

Pinless Hammer



1/4"  
33121  
33122



KT NO.	Collect Size Inch mm	Std. bolt size Inch mm	Free speed R.P.M	Max. torque lbf-ft N-m	Overall length Inch mm	Air inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
33121	1/4"	6.35 3/16" M5	11000	75 102	7-1/4" 183	1/4"BSPT	3/8"	6.2 90	96 3.4	92.8	3.83	0.82 1.81 1 / 20
33122	1/4"	6.35 3/16" M5	11000	75 102	7-1/4" 183	1/4"NPT	3/8"	6.2 90	96 3.4	92.8	3.83	0.82 1.81 1 / 20

# Air Ratchet Wrench

37221 / 37321

37334 / 37434

- Ergonomically enhanced composite handle
- Dual pawl design provides higher torque



1/4" & 3/8"

37221  
37321

3/8" & 1/2"

37334  
37434



- Dust-free design
- Prevents deformation and triples the life of the parts

KT NO.	Square drive Inch mm	Type Std./Long anvil	Std. bolt size Inch mm	Free speed R.P.M	Max. torque ft-lb N-m	Overall length Inch mm	Air inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption L/min CFM	Sound DBA	Vib M/S <sup>2</sup>	Net weight kgs lbs
37221-030	1/4"	6.35 Std. anvil	1/4" M6	250	30 41	8-1/16" 205	1/4"BSPT	3/8"	6.2 90	79 2.8	86.00	2.32 0.67 1.48 1 / 30	
37221-031	1/4"	6.35 Std. anvil	1/4" M6	250	30 41	8-1/16" 205	1/4"NPT	3/8"	6.2 90	79 2.8	86.00	2.32 0.67 1.48 1 / 30	
37321-050	3/8"	9.53 Std. anvil	5/16" M8	270	50 68	8-1/16" 205	1/4"BSPT	3/8"	6.2 90	79 2.8	93.00	2.26 0.67 1.48 1 / 30	
37321-051	3/8"	9.53 Std. anvil	5/16" M8	270	50 68	8-1/16" 205	1/4"NPT	3/8"	6.2 90	79 2.8	93.00	2.26 0.67 1.48 1 / 30	
37334-080	3/8"	9.53 Std. anvil	3/8" M10	210	80 108	10-39/64" 268	1/4"BSPT	3/8"	6.2 90	127 4.5	93.00	3.58 1.25 2.76 1 / 10	
37334-081	3/8"	9.53 Std. anvil	3/8" M10	210	80 108	10-39/64" 268	1/4"NPT	3/8"	6.2 90	127 4.5	93.00	3.58 1.25 2.76 1 / 10	
37434-080	1/2"	12.70 Std. anvil	3/8" M10	210	80 108	10-39/64" 268	1/4"BSPT	3/8"	6.2 90	127 4.5	92.00	3.91 1.26 2.78 1 / 10	
37434-081	1/2"	12.70 Std. anvil	3/8" M10	210	80 108	10-39/64" 268	1/4"NPT	3/8"	6.2 90	127 4.5	92.00	3.91 1.26 2.78 1 / 10	

# Super Duty Air Ratchet Wrench

37323

37423

- Ergonomically enhanced composite handle
- 360° exhaust rotation leads the air away from working area
- Unique head design: dust free and prevent deformation and triples the life of parts
- Dual pawl design provides higher torque



3/8" & 1/2"

37323  
37423



KT NO.	Square drive		Type Std./Long anvil	Std. bolt size Inch mm	Free speed R.P.M	Max. torque		Overall length		Air Inlet Inch	Air hose ID	Air pressure bar psi	Avg. air consumption		Sound DBA	Vib M/S2	Net weight				
	Inch	mm				ft-lb	N-m	Inch	mm				L/min	CFM			kgs	lbs	1 / 20		
37323-080	3/8"	9.53	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4"BSPT	3/8"	6.2	90	113	4.0	94.00	2.52	1.25	2.76	1 / 12
37323-081	3/8"	9.53	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4"NPT	3/8"	6.2	90	113	4.0	94.00	2.52	1.25	2.76	1 / 12
37423-080	1/2"	12.70	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4"BSPT	3/8"	6.2	90	113	4.0	93.00	2.07	1.25	2.76	1 / 12
37423-081	1/2"	12.70	Std. anvil	3/8"	M10	280	80	108	11"	279	1/4"NPT	3/8"	6.2	90	113	4.0	93.00	2.07	1.25	2.76	1 / 12

# Air Ratchet Wrench

37235 / 37335 / 37435

- Working around tightly packed engines, machinery and equipment



1/4" & 3/8"

37235  
37335



3/8"

37335



1/2"

37435



KT NO.	Square drive		Free Speed R.P.M	Max. Torque		Overall Length		Air Inlet Inch	Air Hose ID	Air Pressure bar psi	Avg. Air Consumption		Sound DBA	Vib M/S2	Net Weight			
	Inch	mm		ft-lb	N-m	Inch	mm				L/min	CFM			kgs	lbs	1 / 20	
37235-030	1/4"	6.35	230	30	41	6-1/8"	155	1/4"BSPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37235-031	1/4"	6.35	230	30	41	6-1/8"	155	1/4"NPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37335-030	3/8"	9.53	230	30	41	6-1/8"	155	1/4"BSPT	3/8"	6.2	90	71	2.5	92.00	10.50	0.49	1.08	1 / 20
37335-075	3/8"	9.53	200	75	102	10-1/4"	260	1/4"BSPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37335-076	3/8"	9.53	200	75	102	10-1/4"	260	1/4"NPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37435-075	1/2"	12.70	200	75	102	10-1/4"	260	1/4"BSPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20
37435-076	1/2"	12.70	200	75	102	10-1/4"	260	1/4"NPT	3/8"	6.2	90	113	4.0	92.00	10.50	1.20	2.64	1 / 20

# Continuous Flow Air Grease Gun

9BV14

- Ideal for machine, automobile, farm and garden equipments, vehicles etc.
- 360° rotating handle



KT NO.	Air Inlet (Inch)	Screw Thread	Air Source Range		Recommended Air Source		Capacity c.c.	oz	Kg	1 / 10
			input (psi/bar)	output (psi/bar)	input (psi/bar)	output (psi/bar)				
9BV1420	1/4"BSPT	M10 x 1.0P	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~413 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10

9BV1420 For Germany, South Africa, Egypt, etc.

# Continuous Flow Air Grease Gun with 12" Tube

## 9BV14T

- Ideal for machine, automobile, farm and garden equipments, vehicles etc.
- 360° rotating handle



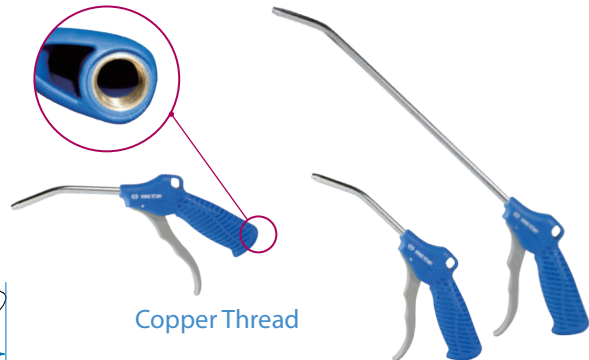
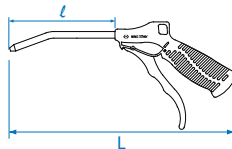
KT NO.	Air Inlet (inch)	Screw Thread	Air Source Range input (psi/bar)	output (psi/bar)	Recommended Air Source input (psi/bar)	output (psi/bar)	Capacity c.c.	oz	Kg	Box
9BV1420T	1/4"BSPT	M10 x 1.0P	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~413 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10
9BV1411T	1/4"NPT	1/8"-28NPT	60~150 psi (4.2~10.3 bar)	2400~6000 psi (165~413 bar)	90 psi (6.2 bar)	3600 psi (250 bar)	400	14	1.7	1 / 10
9BU8109	9" length	1/8"-28NPT								
9BU8209	9" length	M10 x 1.0P								
9BU8112	12" length	1/8"-28NPT								
9BU8212	12" length	M10 x 1.0P								

9BV1411T For general market except North America, Germany, South Africa, Egypt  
 9BV1420T For Germany, South Africa, Egypt, etc.

# Air Blow Gun

## 7990

- Ideal for cleaning
- Steel nozzle & nylon fiber handle
- Air pressure : 90 psi recommended
- Air consumption : 1/4" hose-13cfm-350l/min, 3/8" hose-15cfm-430l/min
- Sound pressure : 85~90 dB
- Working pressure : 75~120 psi/5.3~8.4 kgf/cm<sup>2</sup>
- Max pressure : 200 psi/ 14.07 kgf/cm<sup>2</sup>



KT NO.	Air Inlet Inch	ℓ Inch	mm	L (mm)	Kg	Box	KT NO.	Air Inlet Inch	ℓ Inch	mm	L (mm)	Kg	Box
79900-04	1/4"BSPT	4	100	245	200	20 / 100	79901-04	1/4"NPT	4	100	245	200	20 / 100
79900-10	1/4"BSPT	10	250	420	240	25 / 50	79901-10	1/4"NPT	10	250	420	240	25 / 50
79900-13	1/4"BSPT	13	330	475	260	25 / 50	79901-13	1/4"NPT	13	330	475	260	25 / 50
79900-20	1/4"BSPT	20	500	650	300	25 / 50	79901-20	1/4"NPT	20	500	650	300	25 / 50

# Spray Gun

## 79982

- Suitable for spraying a wide range of oils, cleaning agents and rustproofing liquids
- Fitted with fluid/air control valve



79982-06



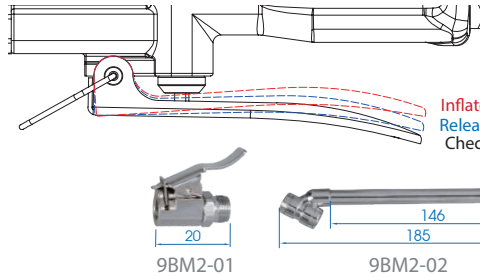
79982-10

KT NO.	Max Capacity	Working Pressure(psi)	Air inlet connection	Kg	Box
79982-06	600 c.c	90-150	1/4"	600	1 / 10
79982-10	1000 c.c	90-150	1/4"	800	1 / 10

# 3-In-1 Inflator

## 9BM

- Diaphragm pressure gauge
- Accuracy: ANSI B40.100  $\pm 3\%$  ~  $\pm 2\%$  ~  $\pm 3\%$
- Special rubber housing protects manometer against light impacts
- 3 functions(check, release, inflator) all together on the press handle
- Variable trigger, two control positions for inflate/deflate level
- Flexible 400MM high pressure rubber hose with clip-on air tire chuck
- Pressure Range:  
0-160 psi (9BM21) / 0-220 psi (9BM22)
- Built in hang-up hook allows easy storage



9BM2110  
9BM2111  
9BM2210  
9BM2211

9BM2110A  
9BM2111A

KT NO.	Pressure range (psi)	Air Inlet (BSPT/NPT)	L (mm)		Air hose (ID)	g	/ /
			L1	L2			
9BM2110	160	1/4"BSPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2111	160	1/4"NPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2210	220	1/4"BSPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2211	220	1/4"NPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2210A	220	1/4"BSPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2211A	220	1/4"NPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2-01	(included in all 9BM series)			20	-	25	-
9BM2-02	(included in 9BM2210A & 11A only)			185	-	105	-

# PU Air Spiral Hose

## 79953

## 79960

## 79962

- Super mechanical strength and excellent abrasive resistance
- Superior heat and cold resistance
- Oil resistance
- Light weight
- Temperature resistance from  $-20^{\circ}\text{C}$  ~  $+60^{\circ}\text{C}$



79953



79960



79962

KT NO.	Hose I.D. (mm)	Hose O.D. (mm)	Hose Length (M)	Working Pressure		Maximum Pressure		Type	Male PT Fitting (Inch)	Weight		/ /
				(psi)	(bar)	(psi)	(bar)			(kgs)	(lbs)	
79953-10	8	12	10	108	7.4	320	22.2	-	1/4"BSPT	0.80	1.76	1 / 20
79953-15	8	12	15	108	7.4	320	22.2	-	1/4"BSPT	1.30	2.87	1 / 16
79960-10	8	12	10	160	11.0	640	44.1	Asian	1/4"BSPT	0.93	2.05	1 / 20
79960-15	8	12	15	160	11.0	640	44.1	Asian	1/4"BSPT	1.31	2.87	1 / 16
79960-20	8	12	20	160	11.0	640	44.1	Asian	1/4"BSPT	1.66	3.64	1 / 10
79962-10	8	12	10	160	11.0	640	44.1	EU	1/4"BSPT	0.92	2.02	1 / 20
79962-15	8	12	15	160	11.0	640	44.1	EU	1/4"BSPT	1.31	2.87	1 / 16
79962-20	8	12	20	160	11.0	640	44.1	EU	1/4"BSPT	1.63	3.78	1 / 10



# Air Hose Reel

7991

- Automatic rewind with SK5 alloy steel spring
- 16 teeth gear-stop ensures safety
- 300 psi working pressure allowed
- Sturdy structure with 0.7mm thick steel rail stored in iron case
- Replaceable air hose design & hanging rack



**CAUTION**  
Do not pull the air hose when seeing tag **STOP**



- Pull the air hose to the end till it shows joint replacement



- Install new air hose



- Dismantle connection



- 16 teeth gear design can spread stress evenly and stop returning

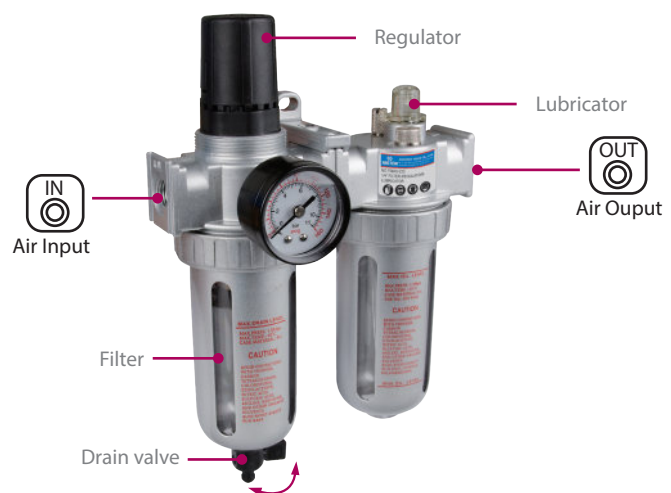
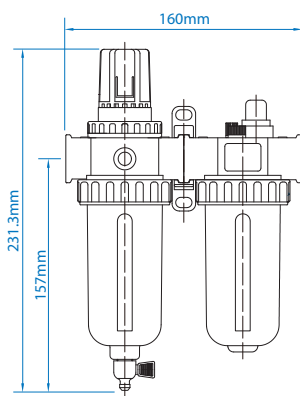
1 Bar = 1.01972 kgf/cm<sup>2</sup>  
1 Bar = 14.5036 psi

KT NO.	Hose I.D. mm	Hose O.D. mm	Hose length (M)	Type	Air Inlet / outlet inch	Working pressure psi	kg	kg	kg
79910-10	8	12	10	Asian	1/4"BSPT	300	5.5	1	2
79910-15	8	12	15	Asian	1/4"BSPT	300	6.5	1	2
79911-10	8	12	10	US	1/4"NPT	300	5.5	1	2
79911-15	8	12	15	US	1/4"NPT	300	6.5	1	2
79912-10	8	12	10	EU	1/4"BSPT	300	5.5	1	2
79912-15	8	12	15	EU	1/4"BSPT	300	6.5	1	2

# Air Lubricator

799A

- Semi auto drain valve
- Steel guards offer better protection
- Easy installation and disassembly



KT NO.	Port Size (inch)	Filter Element (μ)	Max Input Pressure (psi)	Max Output Pressure (psi)	Max Flow (L/min)	Operation Temperature Range (°C)	Drain Capacity (ml)	Oil Capacity (ml)	Air Inlet (inch)	Weight (Kgs)	Weight (lbs)	kg
799A0-23C	1/4"	5	215	7~150	1750	5 ~ 60	80	150	1/4"BSPT	1.40	3.17	1 / 12
799A1-23C	1/4"	5	215	7~150	1750	5 ~ 60	80	150	1/4"NPT	1.42	3.17	1 / 12
799A0-33C	3/8"	5	215	7~150	2500	5 ~ 60	80	150	3/8"BSPT	1.14	2.51	1 / 12
799A1-33C	3/8"	5	215	7~150	2500	5 ~ 60	80	150	3/8"NPT	1.14	2.51	1 / 12
799A0-43C	1/2"	5	215	7~150	3000	5 ~ 60	80	150	1/2" BSPT / NPT	1.15	2.53	1 / 12

# Air Quick Coupler

KT NO.	Size	Type			
SY-211M	1/4"BSPT	European		21.4	12 / 504
SY-211F				22.8	10 / 420
SY-210M				88.4	20 / 240
SY-221M	1/4"BSPT	Asian		24.4	12 / 504
SY-221F				28.6	10 / 420
SY-260M				81.6	20 / 240
SY-210H	1/4" hose	European		78.0	15 / 180
SY-211H				18.0	10 / 320
SY-220H		Asian		87.0	10 / 320
SY-221H			31.0	10 / 320	
SY-231M	1/4"NPT	American		23.6	12 / 504
SY-231F				21.2	10 / 420
SY-230M				85.5	20 / 240
SY-310H	3/8" hose	European		75.0	15 / 180
SY-311H				22.0	10 / 320
SY-320H		Asian		78.0	15 / 180
SY-321H			23.0	10 / 320	
SY-410H	1/2" hose	European		82.0	15 / 180
SY-411H				26.0	10 / 320
 SY-421M	1/2" BSPT/NPT	Asian		24.4	12 / 504

## Mini Lubricator

33411-71

1/4"



KT NO.	Size		
33411-71	1/4"-19BSPT	90	1 / 150

## Repair Tools Set

14103GP

- 3 PC. Impact wrench repair tools set
- Suitable for 33411-040, 33411-050, 33412-040, 33412-050, 33611-055, 33612-055, 33621-075, 33622-075

3 PC.

Contents  0.58  1 / 20

33011 

33012 

33013 

# Impact Wrench Holder

**9145**

- Applied for 1/4" & 3/4" DR. air tools



KT NO.	Size	Type		
91451-01A	1/4" BSPT	European	268.8	1 / 48
91451-01B	1/4" NPT	American	271.2	1 / 48
91451-01F	1/4" BSPT	Asian	272.8	1 / 48

**871061**

- Applied for 3/8" & 1/2" DR. air tools



KT NO.	Size	Type		
871061A	1/4" x 19 BSPT	European		
871061B	1/4" x 18 NPT	American	450	1 / 24
871061F	1/4" x 19 BSPT	Asian		

# Tools Display Stand Set

**87156A**

- Overall Size - W 280 x D 170 x H 45 mm

1.9 1 / 1

### Contents

	87156
	87154-01
	SY-210M x3
	SY-20A x6
	SY-10A x3



# PU Working Gloves

**9TH31-XL**

**9TH31-2L**

- Strap design for easy adjustments
- Comfortable and breathable fabric material



KT NO.	Size	Width mm	Overall Length mm		
9TH31-XL	XL	107	235	70	100
9TH31-2L	2L	112	240	70	100

# Anti-vibration Protective Gloves

**9TH21-XL**

- Protection from repetitive impact and vibration of pneumatic tools
- Magnet in back of glove for storing metal parts and fasteners



Magnetic



KT NO.	Size	Width mm	Overall Length mm		
9TH21XL	XL	112	235	110	100



## Calibration Instruction And Reminder of Torque Wrench

In test conditions, the torque wrench should remain within the tolerances laid down by DIN ISO 6789:2017 & ASME B107.300-2010 for 5000 cycles. Practically, this may be affected and changed by ingress of dust, causing wear, or by damage caused by using the tool improperly such as to loosen fasteners or being dropped regularly.

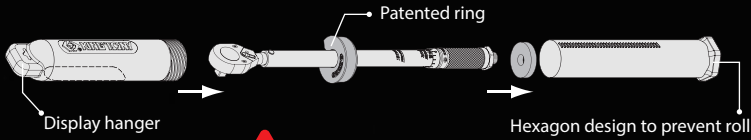
Assume the users are trained to use the torque wrenches, and follow the manual, a period of twelve months is reasonable for torque wrenches used in non safety critical areas.

For those tools used in critical applications, a three month or even monthly check would be suggested.



1 N·m = 0.738 ft·lb = 0.102 kgf·m  
 1 ft·lb = 1.356 N·m = 0.138 kgf·m  
 1 in·lb = 0.113 N·m = 1.152 kgf·cm

### Recyclable cylindrical package



1. Do not use this torque wrench over its scale range.
2. Do not use this torque wrench as a normal hand tool.
3. Torque wrench need to be calibrated periodically for accuracy.

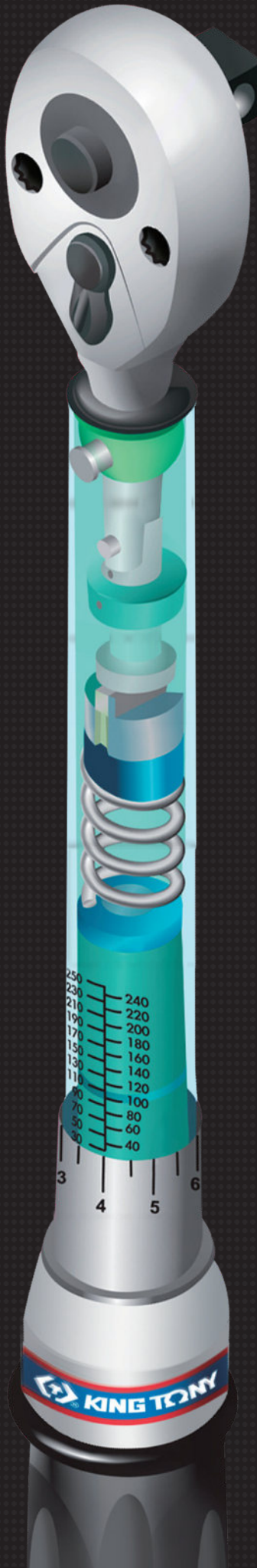
KING TONY		Certificate of Calibration		
Model: 3452-254	Serial No: 3452-0003	Material: R51106	Inspection Temperature: 18.50°C	
Maximal Capacity: 20-100	Units: N·m	Division: 0.01N·m	Inspector: CHENJIN	
Date of Calibration: 2018/04/17		The maximum measurement error of this equipment is: ±0.5%		
Set point	Min	in-1	Max	OTM Headings
25.0	23.2	27.2	26.8	25.0
50.0	46.2	53.8	53.5	50.0
100.0	92.4	107.6	107.0	100.0
200.0	184.8	215.2	214.0	200.0
300.0	277.2	322.8	321.0	300.0
400.0	369.6	430.4	428.0	400.0
500.0	462.0	538.0	535.0	500.0
600.0	554.4	645.6	642.0	600.0
700.0	646.8	753.2	750.0	700.0
800.0	739.2	860.8	857.0	800.0
900.0	831.6	968.4	964.0	900.0
1000.0	924.0	1076.0	1071.0	1000.0

Calibration Certificate



# Master Torque Control

## 62 SERIES



### Quick:

- Quick release and fine tooth gears design increases efficiency for safety tightening



### Sound:

- Click sound and vibration reminds operator to stop in correct torque



### Lubrication:

- Apply top industrial level lubrication to reduce friction and keep performance in good condition much longer



### Spring:

- Made of high quality alloy steel to offer extended working cycles



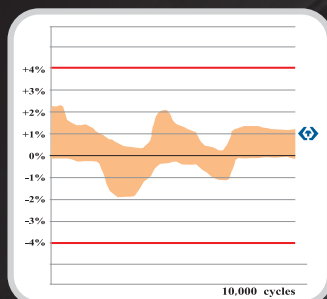
### Frame:

- Hardened tube provides extreme durability against friction to assure precision of tolerance

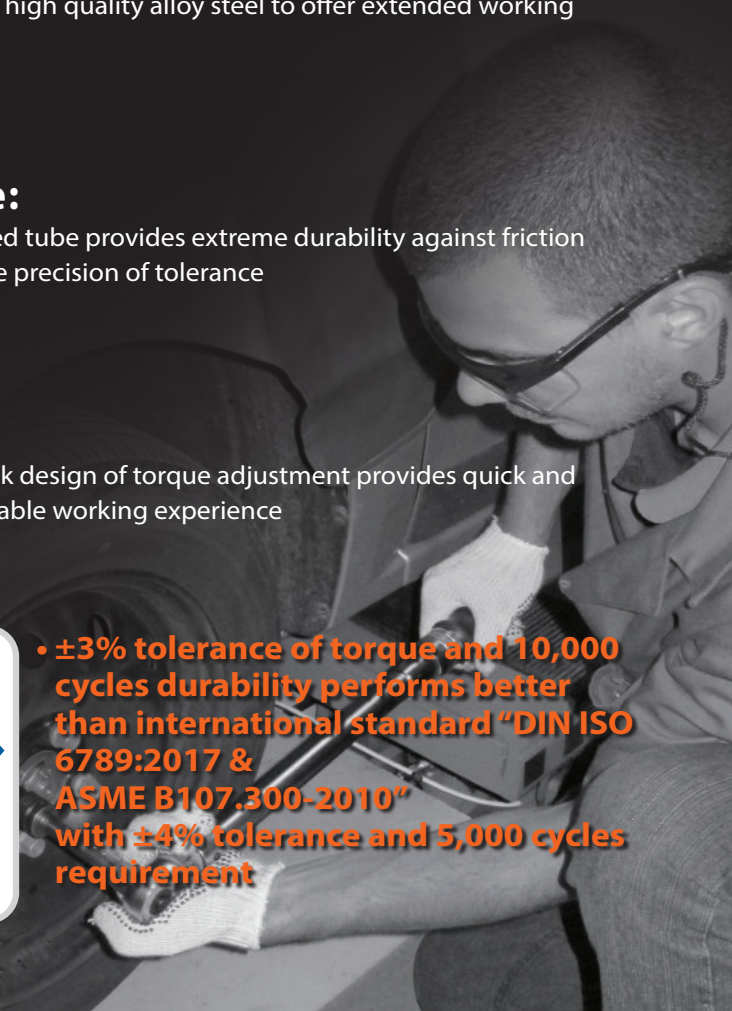


### Easy:

- Auto lock design of torque adjustment provides quick and comfortable working experience



• **±3% tolerance of torque and 10,000 cycles durability performs better than international standard "DIN ISO 6789:2017 & ASME B107.300-2010" with ±4% tolerance and 5,000 cycles requirement**



# Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

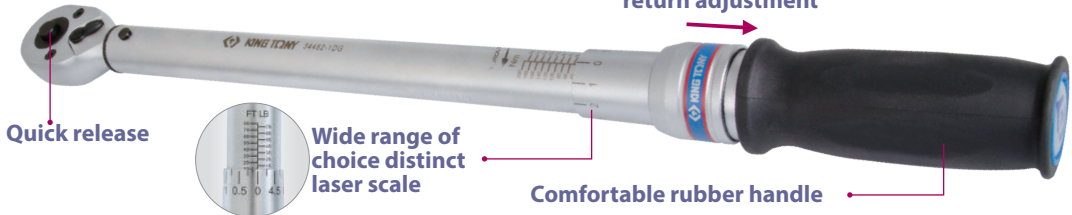
CW/CCW Direction



Video QR Code



3/4" & 1" No Push



Dual Scale - English & Newton Meter (in-lb / ft-lb & N-m)

KT NO.	Gear teeth	Square drive	Torque range in-lb / ft-lb	Incr.	Torque range N-m	Incr.	Overall length mm		
34262-1CG	24	1/4"	40~200 in-lb	1 in-lb	5.1~22.0 N-m	0.12 N-m	324	640	1 / 12
34362-1CG	24	3/8"	40~200 in-lb	1 in-lb	5.1~22.0 N-m	0.12 N-m	324	640	1 / 12
34362-2CG	32	3/8"	15~80 ft-lb	0.5 ft-lb	23.7~105.1 N-m	0.7 N-m	435	1300	1 / 12
34462-1CG	32	1/2"	20~150 ft-lb	1 ft-lb	34~197 N-m	1.4 N-m	521	1590	1 / 12
34462-2CG	32	1/2"	50~250 ft-lb	1 ft-lb	75~332 N-m	1.4 N-m	613	1810	1 / 12
34662-1CG	24	3/4"	100~450 ft-lb	5 ft-lb	169~576 N-m	6.8 N-m	1048	5500	1 / 2
34662-2CG	24	3/4"	100~600 ft-lb	5 ft-lb	169~779 N-m	6.8 N-m	1234	5600	1 / 2
34662-3CG	24	3/4"	150~750 ft-lb	5 ft-lb	237~983 N-m	6.8 N-m	1238	6150	1 / 2
34862-1CG	24	1"	150~750 ft-lb	5 ft-lb	237~983 N-m	6.8 N-m	1238	6150	1 / 2

Single scale - Newton Meter (N-m)

KT NO.	Gear teeth	Square drive	Torque range N-m	Incr.	Overall length mm		
34262-1DG	24	1/4"	4~20 N-m	0.1 N-m	324	640	1 / 12
34262-2DG	24	1/4"	2~10 N-m	0.1 N-m	281	560	1 / 12
34262-3DG	24	1/4"	5~30 N-m	0.5 N-m	325	640	1 / 12
34362-1DG	24	3/8"	4~20 N-m	0.1 N-m	324	640	1 / 12
34362-2DG	32	3/8"	20~100 N-m	0.5 N-m	435	1300	1 / 12
34362-3DG	32	3/8"	10~60 N-m	0.5 N-m	325	700	1 / 12
34462-1DG	32	1/2"	40~200 N-m	1 N-m	521	1590	1 / 12
34462-2DG	32	1/2"	60~340 N-m	2 N-m	613	1810	1 / 12
34462-3DG	32	1/2"	20~100 N-m	1 N-m	436	1300	1 / 12
34462-4DG	32	1/2"	80~400 N-m	2 N-m	613	1970	1 / 12
34662-1DG	24	3/4"	100~600 N-m	5 N-m	1048	5500	1 / 2
34662-2DG	24	3/4"	150~800 N-m	5 N-m	1234	5600	1 / 2
34662-3DG	24	3/4"	200~1000 N-m	5 N-m	1238	6150	1 / 2
34862-1DG	24	1"	200~1000 N-m	5 N-m	1238	6150	1 / 2

- 34262-1DK
- 34362-1DK
- 34362-2DK: 34362-2xx / 3xx
- 34462-1DK
- 34462-3DK: 34462-3DG / 3GG
- 34662-1DK
- 34662-3DK1: 34662-3xxx series
- 34862-2DK: series



Single scale - English (in-lb / ft-lb)

KT NO.	Gear teeth	Square drive	Torque range in-lb / ft-lb	Incr.	Overall length mm		
34262-1EG	24	1/4"	40~200 in-lb	1 in-lb	324	640	1 / 12
34362-1EG	24	3/8"	40~200 in-lb	1 in-lb	324	640	1 / 12
34362-2EG	32	3/8"	15~80 ft-lb	0.5 ft-lb	435	1300	1 / 12
34462-1EG	32	1/2"	20~150 ft-lb	1 ft-lb	521	1590	1 / 12
34462-2EG	32	1/2"	50~250 ft-lb	1 ft-lb	613	1810	1 / 12
34662-1EG	24	3/4"	100~450 ft-lb	5 ft-lb	1048	5500	1 / 2
34662-2EG	24	3/4"	100~600 ft-lb	5 ft-lb	1234	5600	1 / 2
34662-3EG	24	3/4"	150~750 ft-lb	5 ft-lb	1238	6150	1 / 2
34662-4EG	24	3/4"	60~300 ft-lb	2 ft-lb	614	1800	1 / 12
34862-1EG	24	1"	150~750 ft-lb	5 ft-lb	1238	6150	1 / 2

Dual Scale - Newton Meter & English (N-m & ft-lb)

KT NO.	Gear teeth	Square drive	Torque range N-m	Incr.	Torque range ft-lb	Incr.	Overall length mm		
34262-1FG	24	1/4"	4~20	0.1 N-m	39.8~172.6 ft-lb	0.9 ft-lb	324	650	1 / 12
34362-2FG	32	3/8"	20~100 N-m	0.5 N-m	16.6~71.9 ft-lb	0.4 ft-lb	435	1320	1 / 12
34462-1FG	32	1/2"	40~200 N-m	1 N-m	33.2~143.8 ft-lb	0.8 ft-lb	521	1590	1 / 12
34462-2FG	32	1/2"	60~340 N-m	2 N-m	51.6~243.4 ft-lb	1.5 ft-lb	613	1720	1 / 12
34662-2FG	24	3/4"	150~800 N-m	5 N-m	129~572 ft-lb	4 ft-lb	1234	6110	1 / 2
34862-1FG	24	1"	200~1000 N-m	5 N-m	166~719 ft-lb	5 ft-lb	1238	6150	1 / 2

Dual Scale - Kilogram-force Centimeter / Kilogram-force meter & Newton Meter (kgf-cm / kgf-m & N-m)

KT NO.	Gear teeth	Square drive	Torque range kgf-cm / kgf-m	Incr.	Torque range N-m	Incr.	Overall length mm		
34262-1GG	24	1/4"	40~200 Kgf-cm	1 Kgf-cm	4.4~19.1 N-m	0.92 N-m	324	640	1 / 12
34362-1GG	24	3/8"	40~200 Kgf-cm	1 Kgf-cm	4.4~19.1 N-m	0.92 N-m	324	640	1 / 12
34362-2GG	32	3/8"	200~1000 Kgf-cm	5 Kgf-cm	22.1~95.6 N-m	0.46 N-m	435	1300	1 / 12
34462-1GG	32	1/2"	400~2000 Kgf-cm	10 Kgf-cm	44.1~191.2 N-m	0.46 N-m	521	1590	1 / 12
34462-2GG	32	1/2"	6~34 Kgf-m	0.2 Kgf-m	68.6~323.6 N-m	1.82 N-m	613	1810	1 / 12
34462-3GG	32	1/2"	200~1000 Kgf-cm	5 Kgf-cm	22.1~95.6 N-m	4.9 N-m	436	1470	1 / 12
34662-1GG	24	3/4"	10~60 Kgf-m	0.5 Kgf-m	123~564 N-m	4.9 N-m	1048	5500	1 / 2
34662-2GG	24	3/4"	15~80 Kgf-m	0.5 Kgf-m	172~760 N-m	4.9 N-m	1234	5600	1 / 2
34662-3GG	24	3/4"	20~100 Kgf-m	0.5 Kgf-m	221~956 N-m	4.9 N-m	1238	6150	1 / 2
34862-1GG	24	1"	20~100 Kgf-m	0.5 Kgf-m	221~956 N-m	4.9 N-m	1238	6150	1 / 2

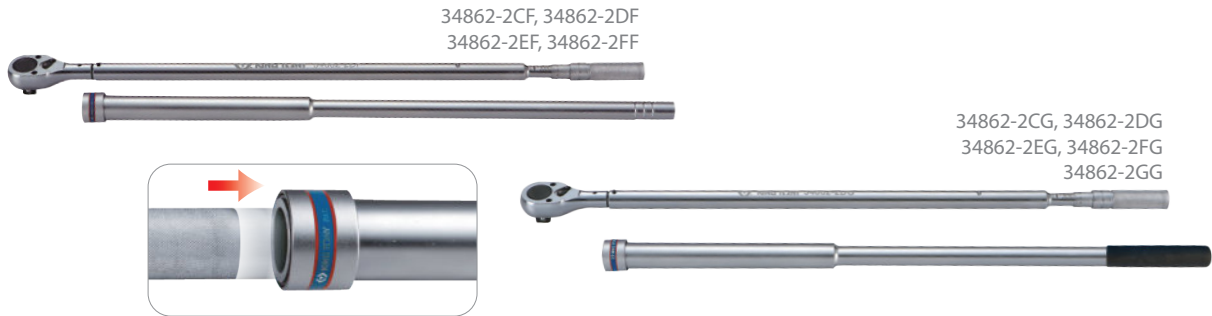
# Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

CW/CCW Direction



In order to ensure correct torque the extension bar must be used

## Dual Scale - English & Newton Meter (ft-lb & N-m)

KT NO.	Square drive	Torque Range ft-lb	Incr.	Torque range N-m	Incr.	Overall length mm	kg	Box/Kit
34862-2CG	1"	200~1000 ft-lb	5 ft-lb	305~1322 N-m	6.8 N-m	1850	12.20	1 / 2
34862-2CF	1"	200~1000 ft-lb	5 ft-lb	305~1322 N-m	6.8 N-m	1850	12.20	1 / 2

## Single scale - Newton Meter (N-m)

KT NO.	Square drive	Torque range N-m	Incr.	Overall length mm	kg	Box/Kit
34862-2DF	1"	300~1500 N-m	10 N-m	1850	12.20	1 / 2
34862-2DG	1"	300~1500 N-m	10 N-m	1850	12.20	1 / 2

## Single scale - English (ft-lb)

KT NO.	Square drive	Torque Range ft-lb	Incr.	Overall length mm	kg	Box/Kit
34862-2EG	1"	200~1000 ft-lb	5 ft-lb	1850	12.20	1 / 2
34862-2EF	1"	200~1000 ft-lb	5 ft-lb	1850	12.20	1 / 2



## Dual Scale - Newton Meter & English (N-m & ft-lb)

KT NO.	Square drive	Torque range N-m	Incr.	Torque range ft-lb	Incr.	Overall length mm	kg	Box/Kit
34862-2FF	1"	300~1500 N-m	10 N-m	258~1070 ft-lb	7.4 ft-lb	1850	12.20	1 / 2
34862-2FG	1"	300~1500 N-m	10 N-m	258~1070 ft-lb	7.4 ft-lb	1850	12.20	1 / 2

## Dual Scale - Kilogram-force meter & Newton Meter (kgf-m & N-m)

KT NO.	Square drive	Torque range kgf-m	Incr.	Torque range N-m	Incr.	Overall length mm	kg	Box/Kit
34862-2GG	1"	30~150 Kgf-m	1 Kgf-m	343~1422 N-m	5 N-m	1850	12.20	1 / 2





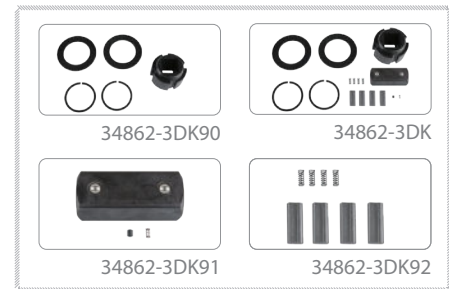
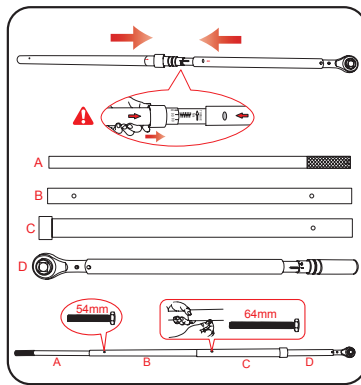
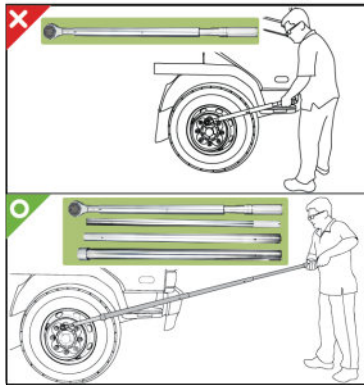
# Heavy Duty Adjustable Torque Wrench

Design for easy torque adjustment

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

CW/CCW Direction



Dual Scale - English & Newton Meter (ft-lb & N-m)

KT NO.	Square drive	Torque range ft-lb	Incr.	Torque range N-m	Incr.	Overall length mm	kg	Box
34862-3CF	1"	400~2000	10 ft-lb	610~2644	13.55 N-m	2755	23.99	1 / 1
KT NO.	Square drive	Torque range N-m	Incr.	Torque range ft-lb	Incr.	Overall length mm	kg	Box
34862-3FF	1"	500~2500	20 N-m	443~1771	14.77 ft-lb	2755	25.38	1 / 1

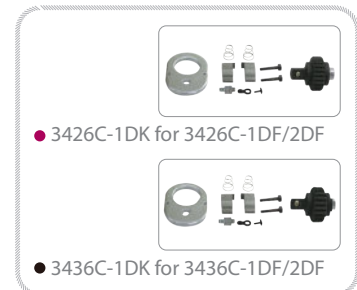
# Heavy Duty Mini-type Torque Wrench

Industrial application

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

CW/CCW Direction



Single scale - Newton Meter (N-m)

KT NO.	Square drive	Torque range N-m	Incr.	Overall length mm	kg	Box
3426C-1DF	1/4"	3~15	0.1 N-m	211	330	24
3426C-2DF	1/4"	5~25	0.2 N-m	249	430	24
3436C-1DF	3/8"	3~15	0.1 N-m	211	450	24
3436C-2DF	3/8"	5~25	0.2 N-m	249	550	24

# Heavy Duty 72 Teeth Adjustable Torque Wrench

Colorful quick release button design

Fixed head version allows using in narrow spaces

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

CW/CCW Direction



## Single scale - Newton Meter (N-m)

KT NO.	Square drive	Torque range N-m	Incr.	Overall length mm			
● 3426A-1DG	1/4"	2~10 N-m	0.1 N-m	285	560	1 / 24	
● 3426A-2DG	1/4"	4~20 N-m	0.1 N-m	325	640	1 / 24	
● 3436A-2DG	3/8"	20~100 N-m	0.5 N-m	430	1300	1 / 12	
● 3446A-1DG	1/2"	40~200 N-m	1 N-m	490	1460	1 / 12	
● 3446A-2DG	1/2"	60~340 N-m	2 N-m	590	1750	1 / 12	

## Single scale - English (in-lb/ft-lb)

KT NO.	Square drive	Torque range in-lb / ft-lb	Incr.	Overall length mm			
● 3426A-1EG	1/4"	20~100 in-lb	1 in-lb	285	560	1 / 24	
● 3426A-2EG	1/4"	40~200 in-lb	1 in-lb	325	640	1 / 24	
● 3436A-2EG	3/8"	15~80 ft-lb	0.5 ft-lb	430	1300	1 / 12	
● 3446A-1EG	1/2"	20~150 ft-lb	1 ft-lb	490	1460	1 / 12	
● 3446A-2EG	1/2"	50~250 ft-lb	1 ft-lb	590	1750	1 / 12	

- 3426A-1DK
- 3436A-2DK
- 3446A-1DK

series No. before 17086A

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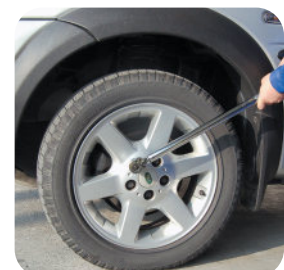
- 3426A-1DK01
- 3436A-2DK01
- 3446A-1DK01

series No. after 17086A

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- 3426A-1DK02
- 3436A-2DK02
- 3446A-1DK02

series No. after 19106A



# Heavy Duty Interchangeable Torque Wrench

Using standard insert head

Positive button design which removes the insert head easily

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 3\%$ (CW)

CW/CCW Direction



Dual Scale - English & Newton Meter ( in-lb/ft-lb & N-m)

KT NO.	Size mm	Torque range in-lb / ft-lb	Incr.	Torque range N-m	Incr.	Overall length mm		
34512-1CG	9 x 12	20~100 in-lb	1 in-lb	2.8~10.7 N-m	0.12 N-m	261	510	1 / 12
34512-2CG	9 x 12	40~200 in-lb	1 in-lb	5.1~22.0 N-m	0.12 N-m	306	590	1 / 12
34512-3CG	9 x 12	15~80 ft-lb	0.5 ft-lb	23.7~105.1 N-m	0.7 N-m	430	1270	1 / 12
34522-1CG	14 x 18	15~80 ft-lb	0.5 ft-lb	23.7~105.1 N-m	0.7 N-m	430	1270	1 / 12
34522-2CG	14 x 18	20~150 ft-lb	1 ft-lb	34~197 N-m	1.4 N-m	485	1410	1 / 12
34522-3CG	14 x 18	50~250 ft-lb	1 ft-lb	75~332 N-m	1.4 N-m	580	1590	1 / 12

Single scale - Newton Meter (N-m)

KT NO.	Size mm	Torque range N-m	Incr.	Overall length mm		
34512-1DG	9 x 12	2~10 N-m	0.1 N-m	261	510	1 / 12
34512-2DG	9 x 12	4~20 N-m	0.1 N-m	306	590	1 / 12
34512-4DG	9 x 12	10~60 N-m	0.5 N-m	306	590	1 / 12
34512-3DG	9 x 12	20~100 N-m	0.5 N-m	430	1270	1 / 12
34522-1DG	14 x 18	20~100 N-m	0.5 N-m	430	1270	1 / 12
34522-2DG	14 x 18	40~200 N-m	1 N-m	485	1410	1 / 12
34522-3DG	14 x 18	60~340 N-m	2 N-m	580	1590	1 / 12
34522-4DG	14 x 18	100~600 N-m	5 N-m	1015	6200	1 / 2
34522-5DG	14 x 18	10~60 N-m	0.5 N-m	360	1270	1 / 12
34522-6DG	14 x 18	150~800 N-m	5 N-m	1195	6620	1 / 2
34522-7DG	14 x 18	70~350 N-m	2 N-m	580	1800	1 / 12
34522-8DG	14 x 18	200~1000 N-m	5 N-m	1200	6620	1 / 2
34522-9DG	14 x 18	80~400 N-m	2 N-m	580	1780	1 / 12

Single scale - English (in-lb/ft-lb)

KT NO.	Size mm	Torque range in-lb / ft-lb	Incr.	Overall length mm		
34512-1EG	9 x 12	20~100 in-lb	1 in-lb	261	510	1 / 12
34512-2EG	9 x 12	40~200 in-lb	1 in-lb	306	590	1 / 12
34512-3EG	9 x 12	15~80 ft-lb	0.5 ft-lb	430	1270	1 / 12
34522-1EG	14 x 18	15~80 ft-lb	0.5 ft-lb	430	1270	1 / 12
34522-2EG	14 x 18	20~150 lb-ft	1 ft-lb	485	1410	1 / 12
34522-3EG	14 x 18	50~250 ft-lb	1 ft-lb	580	1590	1 / 12

Dual Scale - Newton Meter & English ( N-m & in-lb/ft-lb )

KT NO.	Size mm	Torque range N-m	Incr.	Torque range in-lb / ft-lb	Incr.	Overall length mm		
34512-1FG	9 x 12	2~10 N-m	0.1 N-m	22.1~84.1 in-lb	0.9 in-lb	261	510	1 / 12
34512-2FG	9 x 12	4~20 N-m	0.1 N-m	39.8~172.6 in-lb	0.9 in-lb	306	590	1 / 12
34512-3FG	9 x 12	20~100 N-m	0.5 N-m	16.6~71.9 ft-lb	0.4 ft-lb	430	1270	1 / 12
34522-1FG	14 x 18	20~100 N-m	0.5 N-m	16.6~71.9 ft-lb	0.4 ft-lb	430	1270	1 / 12
34522-2FG	14 x 18	40~200 N-m	1 N-m	33.2~143.8 ft-lb	0.8 ft-lb	485	1410	1 / 12
34522-3FG	14 x 18	60~340 N-m	2 N-m	51.6~243.4 ft-lb	1.5 ft-lb	580	1590	1 / 12

# Insert Tool

## 345031

• Chrome plated

- Ratchet insert tool
- Square drive size : 9 x 12
- 5° gear action degree (72 teeth)
- Interchangeable head for interchangeable torque wrenches



- 3426A-1DK
- 3436A-1DK
- 3446A-1DK

series No. before 17086A

- 3426A-1DK01
- 3436A-1DK01
- 3446A-1DK01

series No. after 17086A

- 3426A-1DK02
- 3436A-1DK02
- 3446A-1DK02

series No. after 19106A

## 345032

• Chrome plated

- Ratchet insert tool
- Square drive size : 14 x 18
- 5° gear action degree (72 teeth)
- Interchangeable head for interchangeable torque wrenches



- 3436A-2DK
- 3446A-1DK

series No. before 17086A

- 3436A-2DK01
- 3446A-1DK01

series No. after 17086A

- 3436A-2DK02
- 3446A-1DK02

series No. after 19106A

- 3466A-1DK

series No. before 17086A

- 3466A-1DK01

series No. after 17086A

KT NO.	Size	Maximum Torque N-m	Lw* mm	L mm		
●●● 34503102R	1/4" DR.	62	17	46	68	12 / 192
●●● 34503103R	3/8" DR.	202	17.6	48.8	99	10 / 160
●●● 34503104R	1/2" DR.	512	25	60	216	6 / 96

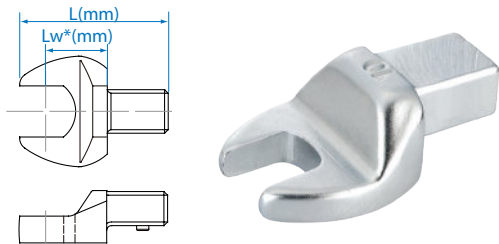
KT NO.	Size	Maximum Torque N-m	Lw* mm	L mm		
●●● 34503203R	3/8" DR.	202	25	70	239	6 / 96
●●● 34503204R	1/2" DR.	512	25	70	248	6 / 96
●●● 34503206R	3/4" DR.	1412	25	71.5	353	4 / 64

## 345011

• Chrome plated

- Open end insert tool
- Square drive size : 9 x 12

KT NO.	Size mm	Maximum Torque N-m	Lw* mm	L mm		
34501107M	7	10	17.5	37.4	36	12 / 192
34501108M	8	13	17.5	37.9	38	12 / 192
34501109M	9	19	17.5	37.9	38	12 / 192
34501110M	10	25	17.5	38.2	41	12 / 192
34501111M	11	33	17.5	39.0	39	12 / 192
34501112M	12	42	17.5	39.0	41	12 / 192
34501113M	13	52	17.5	39.3	44	12 / 192
34501114M	14	64	20	43.1	54	12 / 192
34501115M	15	77	20	43.4	58	12 / 192
34501116M	16	93	20	43.9	57	12 / 192
34501117M	17	110	20	44.4	61	12 / 192
34501118M	18	130	20	45.3	62	12 / 192
34501119M	19	150	20	45.0	66	12 / 192
34501121M	21	198	25	52.4	118	10 / 160
34501122M	22	225	25	53.1	124	10 / 160
34501124M	24	287	25	54.1	128	8 / 128
34501127M	27	400	32.5	60.1	198	8 / 128
34501130M	30	537	32.5	60.9	195	10 / 80
34501132M	32	644	32.5	62.6	213	10 / 80
34501136M	36	762	32.5	64.8	213	10 / 80





KT NO.	Size inch	Maximum Torque N-m	Lw* mm	L mm		
34501108S	1/4	10	17.5	37.4	36	12 / 192
34501110S	5/16	13	17.5	37.9	38	12 / 192
34501112S	3/8	25	17.5	38.2	40	12 / 192
34501114S	7/16	33	17.5	39.0	41	12 / 192
34501116S	1/2	52	17.5	39.3	43	12 / 192
34501118S	9/16	64	20.0	43.1	53	12 / 192
34501120S	5/8	93	20.0	43.9	59	12 / 192
34501122S	11/16	110	20.0	44.4	63	12 / 192
34501124S	3/4	150	20.0	45.0	64	12 / 192

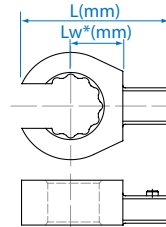
# Insert Tool

## 345014

• Chrome plated

- Square drive size : 9 x 12



KT NO.	Size mm	Maximum Torque N-m	Lw* mm	L mm		
34501410M	10	25	17.5	42.4	53	12 / 192
34501411M	11	33	17.5	43.0	53	12 / 192
34501412M	12	42	17.5	43.8	53	12 / 192
34501413M	13	52	17.5	43.9	54	12 / 192
34501414M	14	64	17.5	44.3	57.6	12 / 192
34501416M	16	93	17.5	45.0	61	12 / 192
34501417M	17	110	17.5	45.4	62	12 / 192
34501418M	18	130	17.5	46.0	67	12 / 192
34501419M	19	150	17.5	46.7	70	12 / 192
34501421M	21	198	17.5	47.6	72	12 / 192
34501422M	22	225	17.5	48.5	74	12 / 192

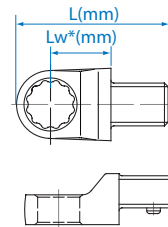




## 345021

• Chrome plated

- Ring insert tool
- Square drive size : 9 x 12

KT NO.	Size mm	Maximum Torque N-m	Lw* mm	L mm		
34502107M	7	26	17.5	39.8	37	12 / 288
34502108M	8	35	17.5	40.5	37	12 / 288
34502110M	10	60	17.5	41.6	40	12 / 288
34502111M	11	73	17.5	43.3	42	12 / 288
34502112M	12	90	17.5	43.8	51	12 / 288
34502113M	13	108	17.5	44.5	52	12 / 288
34502114M	14	128	17.5	45.2	53	12 / 288
34502115M	15	152	17.5	45.9	55	12 / 288
34502116M	16	175	17.5	46.3	57	12 / 288
34502117M	17	202	17.5	47.0	55	12 / 192
34502118M	18	230	17.5	47.4	61	12 / 192
34502119M	19	262	17.5	49.2	63	12 / 192
34502121M	21	330	17.5	50.3	68	12 / 192
34502122M	22	360	17.5	51.2	73	12 / 192





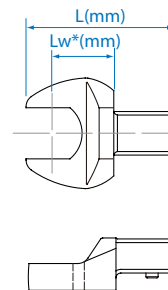
KT NO.	Size inch	Maximum Torque N-m	Lw* mm	L mm		
34502108S	1/4	26	17.5	39.8	38	12 / 288
34502110S	5/16	35	17.5	40.5	37	12 / 288
34502112S	3/8	60	17.5	41.6	42	12 / 288
34502114S	7/16	73	17.5	43.3	42	12 / 288
34502116S	1/2	108	17.5	44.5	52	12 / 288
34502118S	9/16	152	17.5	45.2	53	12 / 288
34502120S	5/8	175	17.5	46.3	58	12 / 288
34502122S	11/16	202	17.5	47.0	62	12 / 192
34502124S	3/4	262	17.5	49.2	65	12 / 192
34502126S	13/16	330	17.5	50.3	72	12 / 192
34502128S	7/8	360	17.5	51.2	70	12 / 192



## 345012

• Chrome plated

- Open end insert tool
- Square drive size : 14 x 18

KT NO.	Size mm	Maximum Torque N-m	Lw* mm	L mm		
34501213M	13	52	25	57.5	114	12 / 192
34501214M	14	64	25	58.0	115	12 / 192
34501215M	15	77	25	58.0	118	12 / 192
34501216M	16	93	25	58.5	125	10 / 160
34501217M	17	110	25	59.5	135	10 / 160
34501218M	18	130	25	60.0	134	10 / 160
34501219M	19	150	25	60.5	136	10 / 160
34501221M	21	198	25	61.0	153	6 / 96
34501222M	22	225	25	62.0	158	6 / 96
34501223M	23	255	25	63.1	166	6 / 96
34501224M	24	287	25	63.1	163	6 / 96
34501225M	25	322	25	69.0	162	6 / 96
34501226M	26	359	30	69.0	230	6 / 96
34501227M	27	400	32.5	69.0	239	6 / 96
34501230M	30	537	32.5	70.6	239	6 / 96
34501232M	32	644	32.5	72.1	248	6 / 72
34501234M	34	762	32.5	73.2	246	6 / 72
34501236M	36	800	32.5	73.3	244	6 / 72
34501238M	38	800	32.5	72.7	222	6 / 72
34501240M	40	800	37	80.5	321	6 / 72
34501241M	41	800	37	80.5	315	6 / 72



KT NO.	Size inch	Maximum Torque N-m	Lw* mm	L mm		
34501216S	1/2	52	25	57.5	117	12 / 192
34501218S	9/16	64	25	58.0	121	12 / 192
34501220S	5/8	93	25	58.5	127	10 / 160
34501222S	11/16	110	25	59.5	135	10 / 160
34501224S	3/4	150	25	60.5	140	10 / 160
34501226S	13/16	198	25	61.0	156	6 / 96
34501228S	7/8	225	25	62.0	162	6 / 96
34501230S	15/16	287	25	63.1	168	6 / 96
34501232S	1	322	25	69.0	232	6 / 96
34501236S	1-1/8	537	32.5	70.6	243	6 / 96
34501240S	1-1/4	644	32.5	72.1	242	6 / 96
34501248S	1-1/2	800	32.5	72.7	226	6 / 96

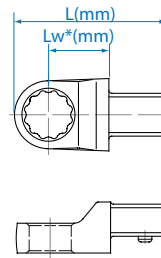
# Insert Tool

345022

• Chrome plated

▪ Square drive size : 14 x 18

KT NO.	Size mm	Maximum Torque N·m	Lw* mm	L mm		
34502213M	13	108	25	62.2	129	12 / 192
34502214M	14	128	25	63.2	128	12 / 192
34502215M	15	152	25	63.3	125	12 / 192
34502216M	16	175	25	63.1	137	12 / 192
34502217M	17	202	25	65.0	134	12 / 192
34502218M	18	230	25	65.0	134	10 / 160
34502219M	19	262	25	66.7	135	10 / 160
34502221M	21	330	25	67.3	151	10 / 160
34502222M	22	368	25	68.5	156	6 / 96
34502224M	24	452	25	69.9	156	6 / 96
34502227M	27	595	31	78.0	201	6 / 96
34502230M	30	762	31	79.6	198	6 / 96
34502232M	32	800	31	81.0	201	6 / 96
34502234M	34	800	31	82.4	225	6 / 90
34502236M	36	800	31	83.7	230	6 / 90
34502241M	41	800	31	86.6	235	6 / 90



KT NO.	Size inch	Maximum Torque N·m	Lw* mm	L mm		
34502216S	1/2	108	25	62.2	128	12 / 192
34502218S	9/16	128	25	63.2	128	12 / 192
34502220S	5/8	175	25	63.1	132	12 / 192
34502224S	3/4	262	25	66.7	141	10 / 160

## Interchangeable Torque Wrench Set

34510

34520



KT NO.	mm	Contents		
345102D08MR	9 x 12	34512-2DG 4~20 N·m	34503102R 1/4" DR.	345011M 345021M 1.3 1 / 15
345104D08MR		34512-4DG 10~60 N·m	34503103R 3/8" DR.	
345101E08MR		34512-1EG 20~100 in·lb	34503102R 1/4" DR.	10, 13, 17 1.2 1 / 15
345102E08MR		34512-2EG 40~200 in·lb	34503102R 1/4" DR.	

KT NO.	mm	Contents		
<b>new</b> 345202C11MR	14 x 18	34522-2CG 20~150 ft·lb 34~197 N·m	34503214R 1/2" DR.	345012M 3.8 1/6
345201D11MR		34522-1DG 20~100 N·m	34503203R 3/8" DR.	
345202D11MR		34522-2DG 40~200 N·m	34503204R 1/2" DR.	13, 14, 15, 17, 19, 22, 24, 27, 30 3.8 1/6
345203D11MR		34522-3DG 60~340 N·m	34503204R 1/2" DR.	
345201E11MR		34522-1EG 15~80 ft·lb	34503203R 3/8" DR.	3.7 1/6
345202E11MR		34522-2EG 20~150 ft·lb	34503204R 1/2" DR.	3.8 1/6
345203E11MR		34522-3EG 50~250 ft·lb	34503204R 1/2" DR.	4 1/6

# Classic Type Adjustable Torque Wrench

Design for easy torque adjustment

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

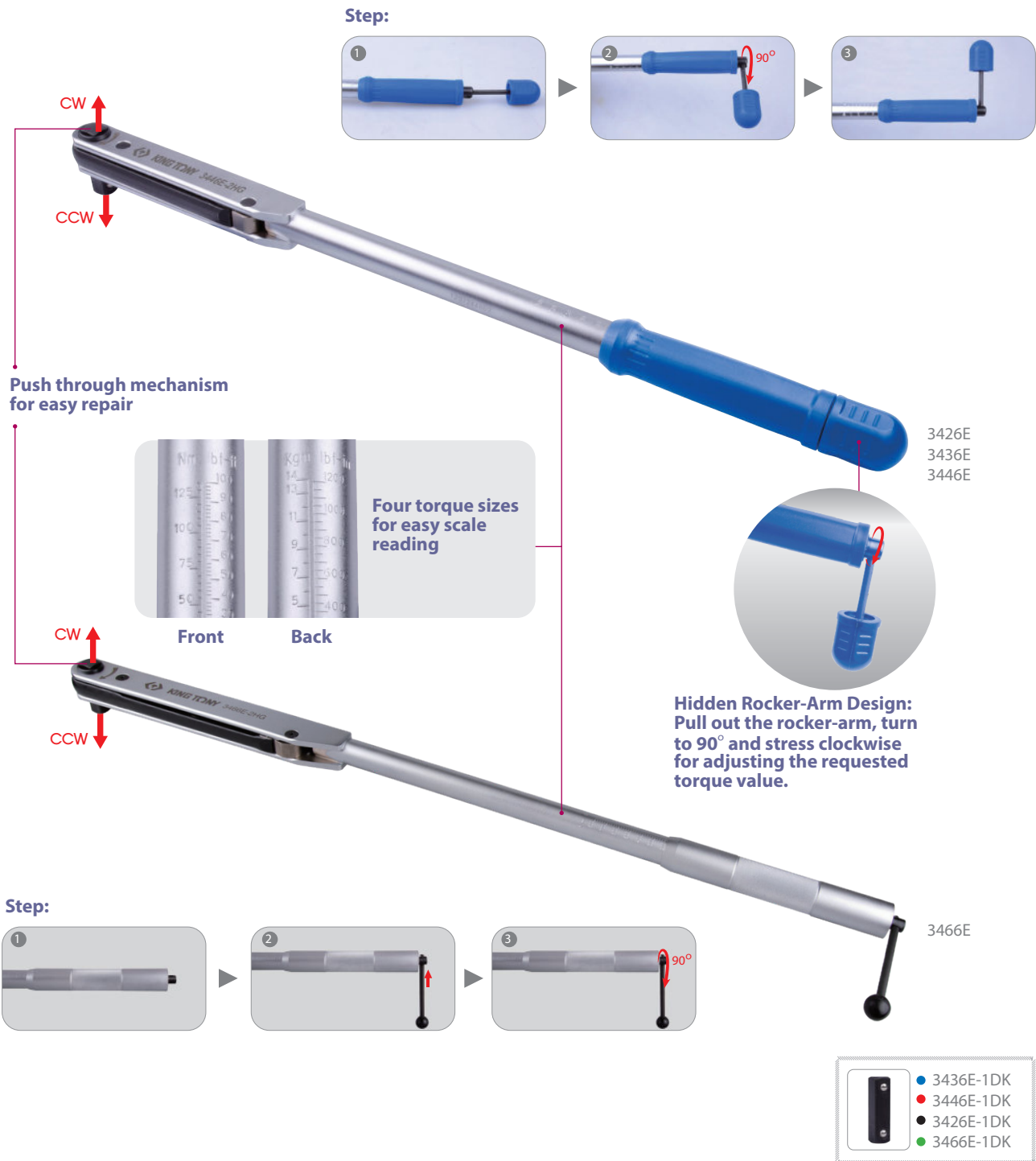
Tolerance of torque  $\pm 4\%$ (CW)

CW/CCW Direction

1 N·m = 0.738 ft·lb = 0.102 kgf·m

1 ft·lb = 1.356 N·m = 0.138 kgf·m

1 in·lb = 0.113 N·m = 1.152 kgf·cm



Step:

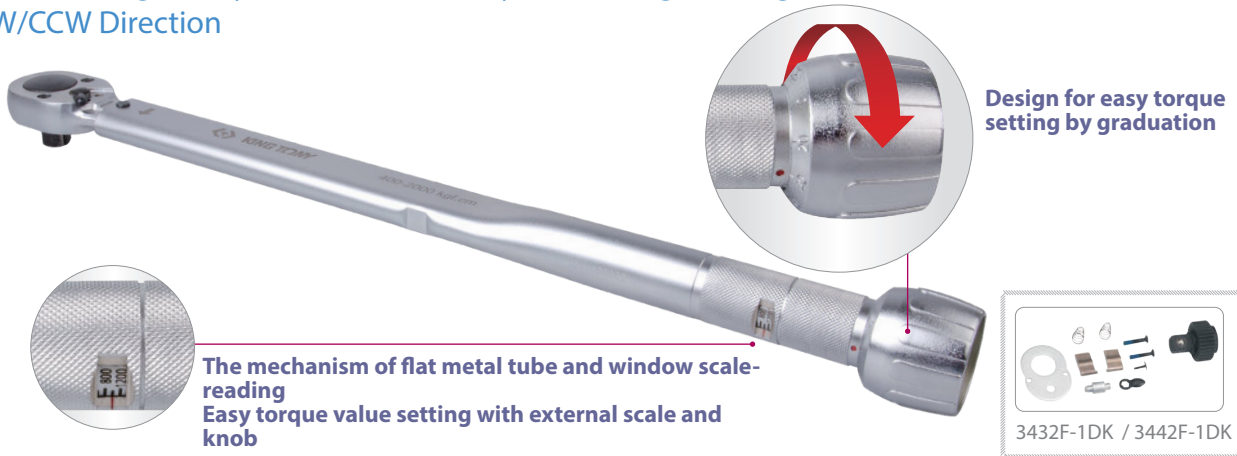


Dual Scale - Newton Meter & English & Kilogram-force meter (N·m / ft·lb / in·lb & kgf·m)

KT NO.	Square drive	Torque range								Overall length mm	g	kg
		N·m	Incr.	ft·lb	Incr.	in·lb	Incr.	kgf·m	Incr.			
● 3426E-1HG	1/4"	2.5~11 N·m	0.5	2~8 ft·lb	1	20~100 in·lb	10	0.3~1.2 kgf·m	0.1	352	630	1 / 12
● 3436E-1HG	3/8"	2.5~11 N·m	0.5	2~8 ft·lb	1	20~100 in·lb	10	0.3~1.2 kgf·m	0.1	352	740	1 / 12
● 3436E-2HG	3/8"	7~33 N·m	1	5~24 ft·lb	1	60~300 in·lb	10	0.7~3.4 kgf·m	0.1	450	870	1 / 12
● 3436E-3HG	3/8"	14~68 N·m	2	10~50 ft·lb	5	125~600 in·lb	25	1.4~7 kgf·m	0.2	505	1210	1 / 12
● 3446E-1HG	1/2"	25~135 N·m	5	20~100 ft·lb	2	200~1200 in·lb	50	3~14 kgf·m	1	555	1640	1 / 12
● 3446E-2HG	1/2"	50~225 N·m	5	40~160 ft·lb	5	400~2000 in·lb	50	5~23 kgf·m	1	590	1710	1 / 12
● 3446E-3HG	1/2"	70~330 N·m	10	50~250 ft·lb	5	600~3000 in·lb	100	7~35 kgf·m	1	803	3440	1 / 6
● 3466E-1HG	3/4"	140~560 N·m	10	100~410 ft·lb	10	1200~5000 in·lb	100	14~57 kgf·m	1	977	8480	1 / 2
● 3466E-2HG	3/4"	200~800 N·m	20	150~600 ft·lb	20	1800~7200 in·lb	200	22~82 kgf·m	2	1033	8860	1 / 2

# Click Type Adjustable Torque Wrench

Industrial application with durability  
 Loud click sound and strong impulse when required torque is reached  
 Tolerance of torque  $\pm 3\%$ (CW)  
 Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010  
 Ideal for using on oily, chemical and noisy assembling working field  
 CW/CCW Direction



Dual Scale - Kilogram-force Centimeter(kgf-cm)

KT NO.	Gear teeth	Square drive	Torque range kgf-cm	Incr.	Overall length mm		
3432F-1KF	24	3/8"	50-250 kgf-cm	2.5 kgf-cm	240	450	1 / 24
3432F-3KF	24	3/8"	200-1000 kgf-cm	10 kgf-cm	342	800	1 / 12
3442F-1KF	24	1/2"	200-1000 kgf-cm	10 kgf-cm	342	800	1 / 12
3442F-3KF	24	1/2"	400-2000 kgf-cm	20 kgf-cm	498	1500	1 / 12

# Adjustable Torque Wrench

Design for easy torque adjustment  
 Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010  
 Tolerance of torque  $\pm 4\%$ (CW)  
 CW/CCW Direction



- The production of injection molding helps it against come off
- One hand operation
- Quick torque set
- Automatic torque locking

Dual Scale - Newton Meter & English ( N-m / ft-lb )

KT NO.	Gear teeth	Square drive	Torque range N-m / ft-lb	Incr.	Overall length mm		
34464-1FG	24	1/2"	40-210 N-m ( 33.2-151.2 ft-lb )	1.0 N-m	470	1250	1 / 12
34464-2FG	24	1/2"	70-340 N-m ( 62.7-239.7 ft-lb )	3.0 N-m	590	1590	1 / 12

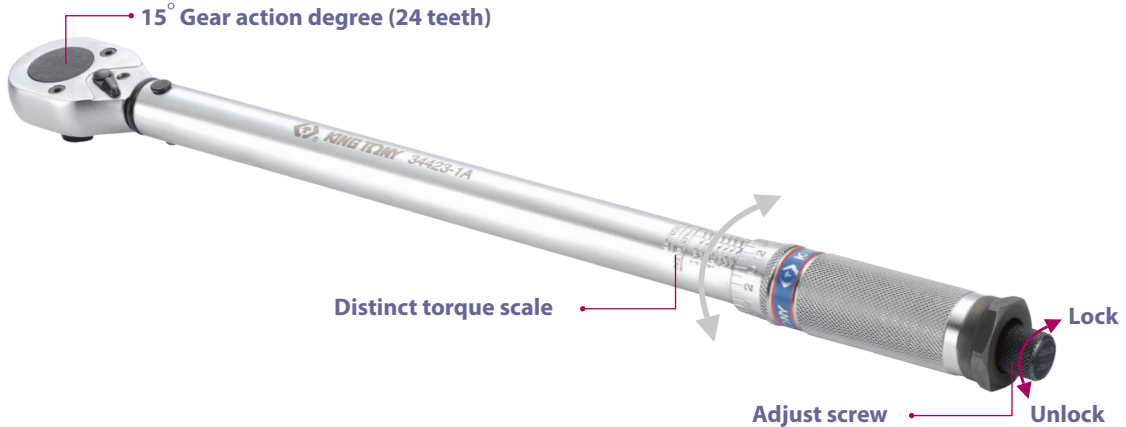


# Adjustable Torque Wrench

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010

Tolerance of torque  $\pm 4\%$ (CW)

CW/CCW Direction



Dual Scale - Newton Meter & Kilogram-force Centimeter / Kilogram-force meter (N-m & kgf-cm / kgf-m)

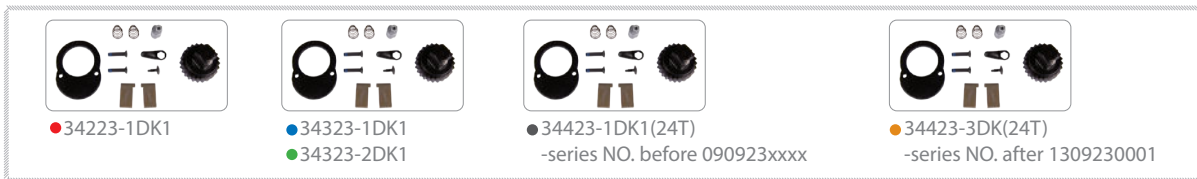
KT NO.	Square drive	Torque range N-m	Incr.	Torque range kgf-cm / kgf-m	Incr.	Overall length mm		
● 34223-1A	1/4"	5~25 N-m	0.1 N-m	51~255 kgf-cm	1 kgf-cm	280	595	1 / 12
● 34323-1A	3/8"	5~25 N-m	0.1 N-m	51~255 kgf-cm	1 kgf-cm	280	595	1 / 12
● 34323-2A	3/8"	20~110 N-m	1 N-m	2.04~11.22 kgf-m	0.1 kgf-m	370	820	1 / 12
● 34423-1A	1/2"	42~210 N-m	1 N-m	4.3~21.4 kgf-m	0.41 kgf-m	450	1340	1 / 12
● 34423-2A	1/2"	70~340 N-m	3 N-m	7.1~34.7 kgf-m	0.27 kgf-m	570	2400	1 / 12

Dual Scale - English & Kilogram-force Centimeter / Kilogram-force meter (in-lb / ft-lb & kgf-cm / kgf-m)

KT NO.	Square drive	Torque range in-lb / ft-lb	Incr.	Torque range kgf-cm / kgf-m	Incr.	Overall length mm		
● 34223-1B	1/4"	55~250 in-lb	1.5 in-lb	63~288 kgf-cm	1.13 kgf-cm	280	595	1 / 12
● 34323-1B	3/8"	55~250 in-lb	1.5 in-lb	63~288 kgf-cm	1.13 kgf-cm	280	595	1 / 12
● 34323-2B	3/8"	15~80 ft-lb	0.5 ft-lb	2.1~11.10 kgf-m	0.07 kgf-m	370	820	1 / 12
● 34423-1B	1/2"	30~150 ft-lb	1 ft-lb	4.2~20.8 kgf-m	0.14 kgf-m	450	1340	1 / 12
● 34423-2B	1/2"	50~250 ft-lb	2 ft-lb	6.9~34.6 kgf-m	0.27 kgf-m	570	2400	1 / 12

Dual Scale - Newton Meter & English (N-m & in-lb / ft-lb)

KT NO.	Square drive	Torque range in-lb / ft-lb	Incr.	Torque range N-m	Incr.	Overall length mm		
● 34223-1C	1/4"	55~250 in-lb	1 in-lb	6.2~28.2 N-m	0.17 N-m	280	595	1 / 12
● 34323-1C	3/8"	55~250 in-lb	1 in-lb	6.2~28.2 N-m	0.17 N-m	280	595	1 / 12
● 34323-2C	3/8"	15~80 ft-lb	0.5 ft-lb	20.3~108.5 N-m	0.68 N-m	370	820	1 / 12
● 34423-1C	1/2"	30~150 ft-lb	1 ft-lb	40.7~203.4 N-m	1.35 N-m	450	1658	1 / 12
● 34423-2C	1/2"	50~250 ft-lb	2 ft-lb	67.8~339 N-m	2.71 N-m	570	2400	1 / 12



## Adjustable Torque Wrench Set

344251A12MR

1/2"

Blow case size (mm) :  
500 x 125 x 70 (0.15cuft)

Contents

2.85 1 / 10

	34423-1A	42~210 N-m
	4335MR	13, 14, 15, 16, 17, 18, 19, 21, 22, 24
	4251-04R	



12  
PC.



# Heavy Duty Adjustable Aluminum Torque Wrench

Industrial application

Lightweight and robust housing made by aluminium alloy

Multi-lever mechanism brings length independence and accurate torque

Loud click sound and string impulse when torque value reached

Easy lock and adjustment design

Tolerance of torque  $\pm 3\%$ (CW)

Quality accords to DIN ISO 6789:2017 & ASME B107.300-2010



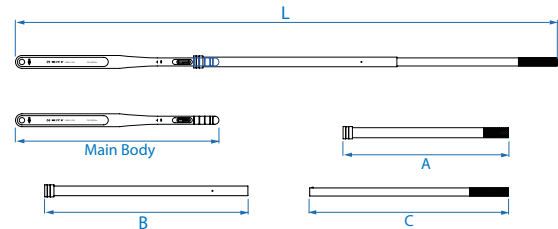
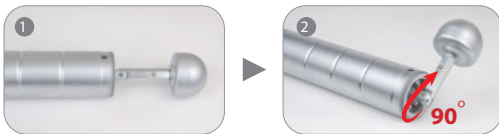
Clear dual scale

Pull out the Rocket-Arm, turn to 90° and stress clockwise for adjusting the requested torque value



Aluminium housing and ergonomically designed handgrip

Step:



Dual Scale - Newton Meter & English (N-m & ft-lb)

KT NO.	Square drive	Torque range			Main Body	A	B	C	Overall length mm	kg	/	/
		N-m	Incr.	ft-lb								
3445G-1FB	1/2"	40~200 N-m	5	30~150 ft-lb	5	-	-	-	563	1.50	1	12
3465G-1FB	3/4"	110~550 N-m	10	80~400 ft-lb	10	-	-	-	827	3.00	1	2
3465G-2FB	3/4"	140~760 N-m	10	100~560 ft-lb	10	-	-	-	827	3.00	1	2
3465G-3FB	3/4"	200~1000 N-m	10	140~740 ft-lb	10	762	-	-	1413	3.80	1	2
3485G-1DB	1"	600~1500 N-m	25	-	-	945	771	362	1615	10.90	1	1
3485G-2DB	1"	750~2000 N-m	50	-	-	947	945	924	2370	11.70	1	1

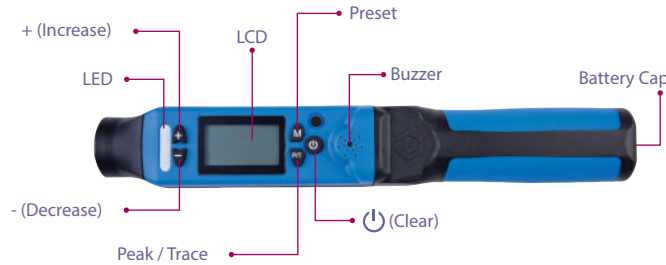
# Electronic Torque Wrench



- Electronic torque value readout
- Peak and trace mode selection
- Angle accuracy (34387/34487)
- Buzzer and LED indicator for presetting target torque
- Engineering units (N·m, ft·lb, in·lb, kgf·m) adjustment
- Switch off automatically after 60 seconds
- DIN ISO 6789:2017 & ASME B107.300-2010
- CW  $\pm 2\%$  and CCW  $\pm 2.5\%$  operation

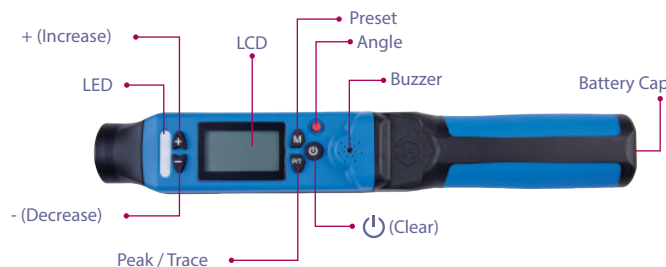


## • Electronic Torque Wrench (34367-2AG, 34467-1AG)



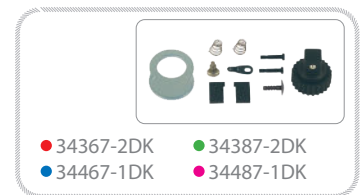
Torque Accuracy	CW $\pm 2\%$ / CCW $\pm 2.5\%$
Preset Function	10
Display Resolution	0.1 N·m/ ft·lb , 1.0 in·lb, 0.01 kgf·m
Operation Mode	Peak/Trace
Battery	AAAx3
Backlight	Yes (Negative)
Alert	LED & Buzzer
Operating Ambient Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Operation Relative Humidity	15 to 90% noncondensing

## • Electronic Torque Angle-controlled Wrench (34387-2AG, 34487-1AG)



### 34387-2AG / 34487-1AG :

Angle Accuracy	( $\pm 1\%$ of reading )+( $\pm 1\%$ angular velocity $> 10^\circ/\text{sec} < 180^\circ/\text{sec}$ )
Angle Range	0-360°
Angle Preset	1



### Dual Scale - Newton Meter & English & Kilogram-force meter ( N·m / in·lb / ft·lb & kgf·m)

KT NO.	Gear teeth	Square drive	Torque range				Overall length mm	g	/ /
			N·m	in·lb	ft·lb	kgf·m			
● 34367-2AG	72	3/8"	27-135 N·m	239~1195 in·lb	19.9-99.6 ft·lb	2.75~13.76 kgf·m	460	1400	3 / 6
● 34467-1AG	36	1/2"	40-200 N·m	354~1770 in·lb	29.5-147.5 ft·lb	4.08~20.38 kgf·m	530	1500	3 / 6
● 34387-2AG	72	3/8"	27-135 N·m	239~1195 in·lb	19.9-99.6 ft·lb	2.75~13.76 kgf·m	460	1400	3 / 6
● 34487-1AG	36	1/2"	40-200 N·m	354~1770 in·lb	29.5-147.5 ft·lb	4.08~20.38 kgf·m	530	1500	3 / 6



# Electronic Torque Adapter

34207-1A

34307-1A

34407-1A



Specifications:

Accuracy	± 2%
Memory	50
Display Resolution	0.1 N-m /ft-lb ,0.01 kgf-m
Operation Mode	Peak/Trace
Unit Selection	kgf-m , ft-lb , N-m
Battery	AAA x 2 PC.
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Switch Off Automatically	70 seconds (if do not use electronic torque adapter.)
LED Indicator	Green, Red
Overload Alarm	34207-1A: 37.5 N-m (27.6 ft-lb) 34307-1A: 168.8 N-m(124.5 ft-lb) 34407-1A: 250 N-m (184.4 ft-lb)



Dual Scale - Newton Meter & English & Kilogram-force meter ( N-m / ft-lb & kgf-m)

KT NO.	Square drive	Torque range			Size mm		
		N-m	ft-lb	kgf-m			
34207-1A	1/4"	6~30 N-m	4.4~22.1 ft-lb	0.61~3.06 kgf-m	L75 x W45 x H40	124	12 / 48
34307-1A	3/8"	27~135 N-m	19.9~99.6 ft-lb	2.75~13.76 kgf-m	L75 x W45 x H40	198	12 / 48
34407-1A	1/2"	40~200 N-m	29.5~147.5 ft-lb	4.08~20.38 kgf-m	L75 x W45 x H40	199	12 / 48

## 34407T-1A

Accuracy	± 2%
Memory	50
Display Resolution	0.1 N-m /ft-lb ,0.01 kgf-m 1Psi /0.001 Bar /0.001 kgf-cm <sup>2</sup> /0.01 Kpa
Operation Mode	Peak/Trace
Unit Selection	in-lb, ft-lb, Kgf-m, Kgf-cm, N-m Kpa, Bar, psi, kgf-cm <sup>2</sup>
Battery	AAA x 2 PC.
Battery Life	50hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Auto Shut Off	60 seconds



Dual Scale - Newton Meter & English & Kilogram-force meter ( N-m / lbf-ft & kgf-m)

KT NO.	Square drive	Torque range			Pressure range	Size mm		
		N-m	ft-lb	kgf-m				
34407T-1A	1/2"	40-200 N-m	29.5-147.5 ft-lb	4.08-20.38 kgf-m	1-100 psi ( 0.069~6.6bar )	L75 x W67 x H46 mm	343	1 / 24

# Electronic Torque Adapter

34607-1A



• Specifications:

Accuracy	± 2%
Memory	50
Display Resolution	0.1 N-m / ft-lb , 0.01 kgf-m
Operation Mode	Peak/Trace
Unit Selection	kgf-m , ft-lb , N-m
Battery	AA x 2 PC.
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	-10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating Relative Humidity	15 to 90% noncondensing
Switch Off Automatically	70 seconds (if do not use electronic torque adapter.)
LED Indicator	Green. Red
Overload Alarm	1250 N-m (922 ft-lb)



Dual Scale - Newton Meter & English & Kilogram-force meter ( N-m / ft-lb & kgf-m)

KT NO.	Square drive	Torque range			Size mm	g	Box
		N-m	ft-lb	kgf-m			
34607-1A	3/4"	200 - 1000 N-m	147.6 - 738 ft-lb	20.4 - 102 kgf-m	L110 x W56 x H60	585	6 / 24



# Torque Screwdriver

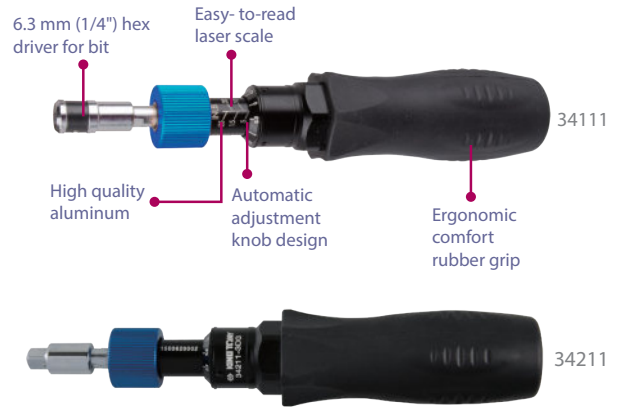
## 34111

- Suitable for 1/4" Hex insert bit; 1/4" socket
- Automatic adjustment knob design
- Easy-to-read laser scale
- Ergonomic comfort rubber grip
- Tolerance of torque  $\pm 5\%$ (CW)
- Quality meets DIN ISO 6789:2017 & ASME B107.300-2010



- Tolerance of torque within  $\pm 5\%$ (CW)

## 34211



KT NO.	1/4"DR.	Torque range cN-m / N-m / in-lb	Incr.	Overall length mm		
34111-1DG		30~120 cN-m	1 cN-m	180	207	1 / 24
34111-1EG		3~15 in-lb	0.1 in-lb	180	207	1 / 24
34111-2DG		1.5~6.5 N-m	0.1 N-m	196	475	1 / 24
34111-2EG		10~50 in-lb	0.5 in-lb	196	475	1 / 24
34211-3DG		4~9 N-m	0.1 N-m	196	475	1 / 24

# Torque Angle Gauge

## 34440

## 34440A

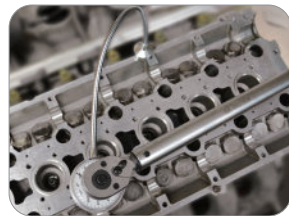
## 34660

## 34660A

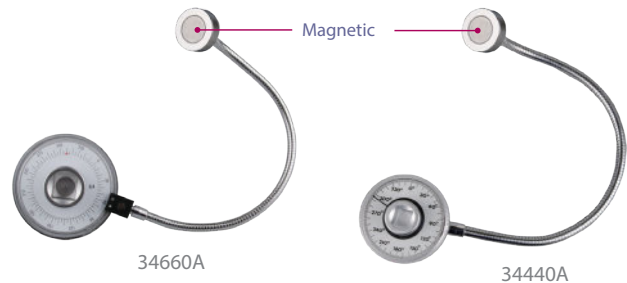
- Square Drive :  
34440 ( 1/2" x 1/2" )  
34660 ( 3/4" x 3/4" )
- 360° angle scale- clearly marked in 2° increments, and in intervals of 10° and 30°
- Indicator etched on clear plastic plate, protects angle scale from dirt and grease
- Adjustable arm keeps angle scale stationary
- Arm has two lengths for additional flexibility in placement against components
- Tough composite dial and rotating index allow operator to accurately tighten to meet standard



- Step 1 : Set up the torque value by torque wrench



- Step 2 : Adjust the angle by angle gauge



KT NO.	Spec.		
34440	1/2"F x 1/2"M	190	12 / 48
34440A	1/2"F x 1/2"M	375	6 / 24
34660	3/4"F x 3/4"M	666	6 / 12
34660A	3/4"F x 3/4"M	908	6 / 12



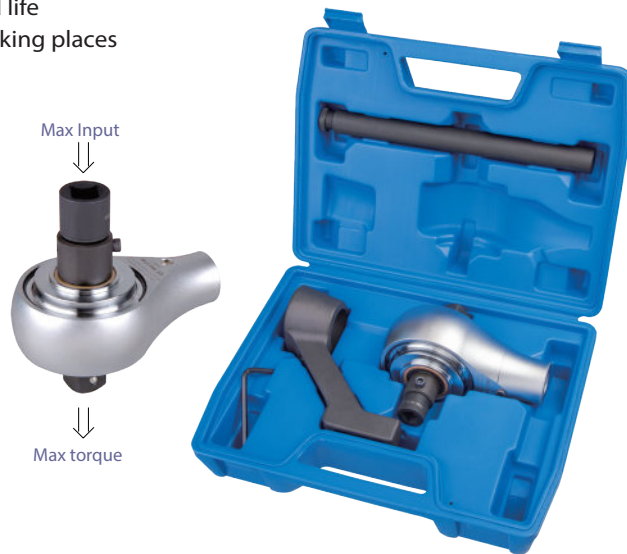
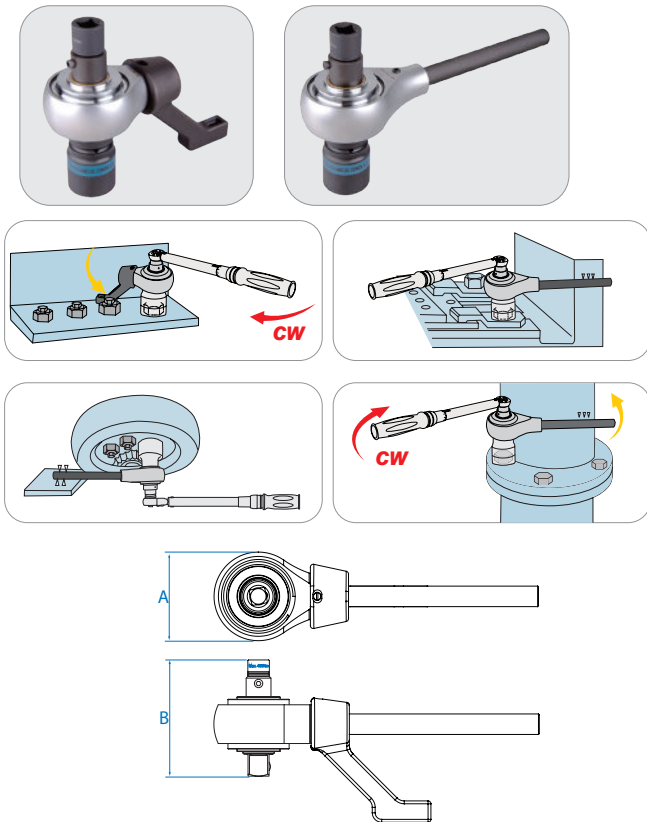
# Torque Multiplier

**34486**

**34488**

**34688**

- Torque multiplication with 5:1, accuracy guaranteed better than  $\pm 5\%$
- Reaction bar supplied in two styles for maximum versatility
- Ideal construction offers minimal maintenance and extended life
- Portable package brings convenience for use in different working places



**Contents**

	34486-05A 34488-05A 34688-05A	Multiplier head	1 PC.
	34688-P01	Reaction bar	1 PC.
	34688-P02	Reaction bar	1 PC.
	34486-P03 34488-P03 34688-P03	Torque-Limit Adapter	1 PC.

KT NO.	Ratio	Input square	Output square	Max input torque N-m / ft-lb	Max output torque N-m / ft-lb	A mm	B mm		
34486	5 : 1	1/2"	3/4"	300 / 220	1500 / 1100	108	136.3	7.1	1 / 2
34488	5 : 1	1/2"	1"	400 / 290	2000 / 1450	108	140.3	7.5	1 / 2
34688	5 : 1	3/4"	1"	540 / 400	2700 / 2000	108	161.0	7.7	1 / 2





# Torque Multiplier

34488-26

- Torque multiplication with 26:1, accuracy guaranteed better than  $\pm 5\%$
- Reaction bar supplied in two styles for maximum versatility
- High ratios offers an idea to replace long lever arm and heavy wrench
- Ideal construction offers minimal maintenance and extended life
- Portable package brings convenience for use in different working places
- Anti-backlash device



Contents

-  Multiplier head 1 PC.
-  Reaction bar 2 PC.



KT NO.	Ratio	Input square	Output square	Max input torque N-m / ft-lb	Max output torque N-m / ft-lb		
34488-26	26 : 1	1/2"	1"	175 / 130	4500 / 3300	15.7	1 / 1









# Universal Torque Converter Set

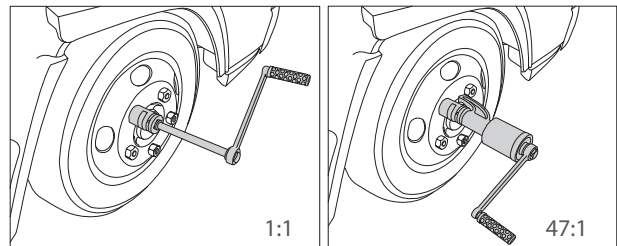
## 3488A03MP



- It is a newly designed wheel wrench for truck or car tires by using less labor to reach a sufficient output torque
- Suitable for trucks, buses, and other heavy duty vehicles



### Contents

	Power enhanced device 1 PC.
	Prolonged pole 1 PC.
	Handle 1 PC.
	8835M 32, 33



KT NO.	Ratio	Input square	Output square	Max output torque N·m / ft·lb		
3488A03MP	47 : 1	1"	1"	4700 / 3466	9.3	1 / 2






# Torque Tester

## ZV011

 7.7  /  1 / 1

Calibration Range	2~60 N·m
Accuracy	± 0.5%
Units of Measurement	in·lb, ft·lb, Kgf·m, Kgf·cm, N·m, N·cm
Input Hex A/F (mm)	10mm
Square Drive Adaptor (inch)	1/4", 3/8", 1/2"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V $\pm$ 1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm






ZV011A		Europe
ZV011B		America & Asia
ZV011D		Australia & New Zealand

## ZV012

 8.1  /  1 / 1

Calibration Range	8~400 N·m
Accuracy	± 0.5%
Units of Measurement	in·lb, ft·lb, Kgf·m, Kgf·cm, N·m, N·cm
Input Hex A/F (mm)	22mm
Square Drive Adaptor (inch)	3/8", 1/2", 3/4"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V $\pm$ 1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm






ZV012A		Europe
ZV012B		America & Asia
ZV012D		Australia & New Zealand

## ZV013

 8.9  /  1 / 1

Calibration Range	100~1500 N·m
Accuracy	± 0.5%
Units of Measurement	in·lb, ft·lb, Kgf·m, Kgf·cm, N·m
Input Hex A/F (mm)	36mm
Square Drive Adaptor (inch)	3/4"
Operating Temperature Range	+5°C~ +40°C
Storage Temperature Range	+0°C~ +70°C
Power Input	100-240V DC9.0V $\pm$ 1.66A, 15W MAX
Base Material / Finish	Aluminum Alloy / Painting
Dimension	210(L) x 150(W) x 140(H) mm



ZV013A		Europe
ZV013B		America & Asia
ZV013D		Australia & New Zealand



TORQUE CONTROL & MULTIPLIERS



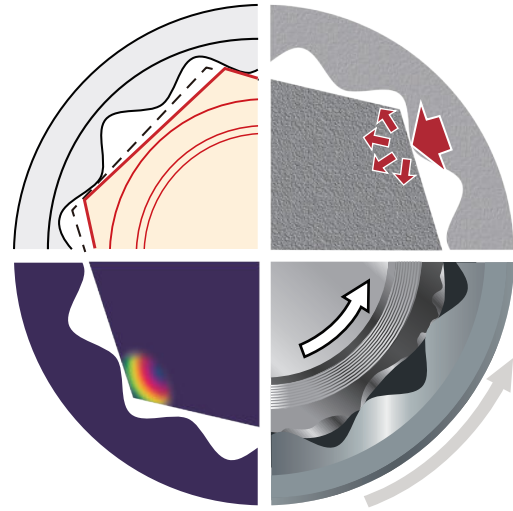


# WRENCHES ▶

Combinaison  
Mauschli  
de chaves  
de llaves

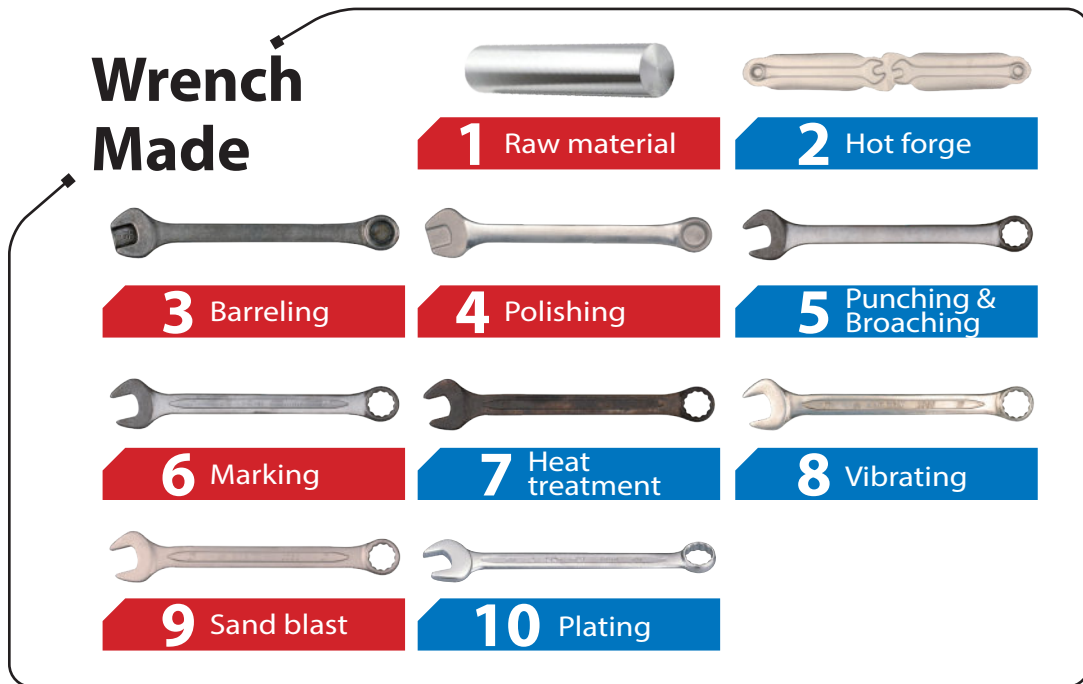
# KING TONY UNIT DRIVE Profile

1. A large contact surface provides a secure force closure even for bolts whose sizes are out of the tolerances.
2. Radiate distribution of the force on the bolt flanks, reducing notch effect, which prevents the bolt from being rounded.
3. Gentle torque transfer enables worn bolts to be loosened.
4. Optimally distributed force up to 20 % higher torques can be transferred.



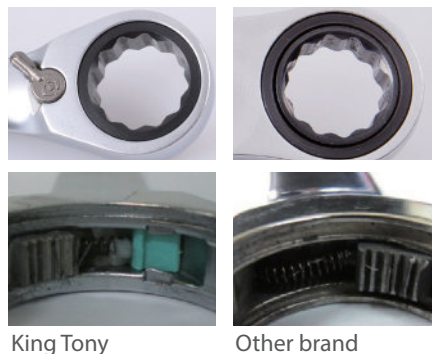
The KING TONY UNIT DRIVE prevents the bolts from being damaged by using of a wave form without any tipped or sharp edges. Enlarged, round contact surfaces ensure that torque is reliably transferred - acting radiately, as it does, on the bolt. Minimising notch effect prevents any damage to the bolt.

## Wrench Made



## Advanced structure saves time

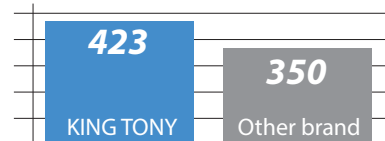
There are more and more improved tool structures come out every year. King Tony selects useful idea and engineering function on developing new product within quality and economic concern. Every piece of component is designed for the comfort to users.



King Tony

Other brand

Exceed other brands **20%**



KING TONY speed wrench is 20% stronger than others.

# Ultra-Light & Long Combination Wrench & Set

KT No. & D1

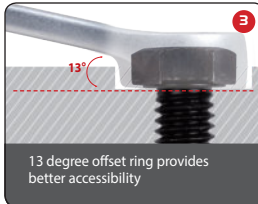


1061

**PAT.**

**TAIWAN**  
EXCELLENCE 2016

- New forge technologies I-Beam shank offers 20% lightweight and better strength
- 15° open slimline type
- 13° ring end offset from shaft
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113 from A / ISO 7738



KT NO.	Size mm	L mm		
1061-06	6	128	19	12 / 768
1061-07	7	148	31	12 / 576
1061-08	8	148	29	12 / 576
1061-09	9	167	46	12 / 384
1061-10	10	167	47	12 / 384
1061-11	11	186	58	12 / 240
1061-12	12	196	62	12 / 192
1061-13	13	205	85	12 / 192
1061-14	14	223	101	12 / 120
1061-15	15	233	121	12 / 144
1061-16	16	243	135	12 / 144
1061-17	17	262	168	12 / 96
1061-18	18	272	187	12 / 96

KT NO.	Size mm	L mm		
1061-19	19	281	203	12 / 96
1061-20	20	301	273	8 / 48
1061-21	21	301	269	8 / 48
1061-22	22	319	304	8 / 48
1061-23	23	319	301	8 / 48
1061-24	24	338	370	5 / 40
1061-25	25	358	450	5 / 40
1061-26	26	358	431	5 / 40
1061-27	27	383	510	5 / 40
1061-28	28	383	508	5 / 40
1061-29	29	408	617	5 / 20
1061-30	30	408	599	5 / 20
1061-32	32	433	789	5 / 20



► Pouch material : Tetoron

KT NO.	PC.	Contents		
12C7MRN	7	8, 10, 11, 13, 14, 17, 19	0.77	1 / 24
12C7MRN01	7	8, 10, 12, 13, 14, 17, 19	0.77	1 / 24
12C8MRN	8	6, 7, 8, 9, 10, 11, 12, 13	0.77	1 / 24
12A0MRN	10	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	1.35	1 / 12
12A1MRN	11	8, 10, 12, 13, 14, 16, 17, 18, 19, 22, 24	2.06	1 / 12
12A3MRN	13	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	2.16	1 / 12
12A4MRN	14	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	2.44	1 / 8
12B4MRN	24	6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	7	1 / 2

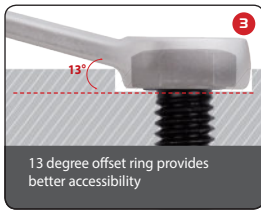


WRENCHES

# Combination Wrench



## 1062 PAT.



- 15° open end reinforcement design in slim profile
- 13° ring end high relief zone design with thin wall access ability
- Chrome vanadium alloy steel
- Metric - DIN 3113 from A, ISO 7738



KT NO.	Size mm	L mm		
1062-06	6	105	17	12 / 504
1062-07	7	115	19	12 / 504
1062-08	8	125	27	12 / 504
1062-09	9	135	28	12 / 504
1062-10	10	145	36	12 / 504
1062-11	11	155	45	12 / 504
1062-12	12	165	58	12 / 216
1062-13	13	175	73	12 / 216
1062-14	14	185	88	12 / 216
1062-15	15	195	94	12 / 192
1062-16	16	205	108	12 / 192
1062-17	17	215	129	12 / 192
1062-18	18	225	151	12 / 144

KT NO.	Size mm	L mm		
1062-19	19	235	159	12 / 144
1062-20	20	245	186	12 / 144
1062-21	21	255	203	12 / 96
1062-22	22	265	221	12 / 96
1062-23	23	275	262	12 / 96
1062-24	24	285	281	6 / 54
1062-25	25	295	309	6 / 54
1062-26	26	305	343	6 / 54
1062-27	27	315	393	6 / 54
1062-28	28	325	416	6 / 48
1062-29	29	335	456	6 / 48
1062-30	30	345	491	6 / 48
1062-32	32	365	573	6 / 48

## Combination Wrench Set



► MRN / SRN : Tetoron pouch bag

KT NO.	PC.	Contents	Package		
12D09MRN	9	8, 9, 10, 11, 12, 13, 14, 17, 19	Tetoron	0.80	1 / 24
12D10MRN	10	8, 10, 12, 13, 14, 17, 19, 21, 22, 24	Tetoron	1.44	1 / 16
12D13MRN	13	6, 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24	Tetoron	1.68	1 / 12
12D14MRN05	14	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	Tetoron	1.27	1 / 12
12D15MRN	15	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.32	1 / 8
12D15MRN01	14	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	Tetoron	1.96	1 / 12
12D18MRN	18	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	Tetoron	2.36	1 / 8
12D26MRN	26	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Tetoron	5.20	1 / 4



# Portable Wrench Set

## 12D06MRS

KT NO.	PC.	Contents	Package		
12D06MRS	6	 1062 10, 12, 13, 14, 17, 19	color box	1.0	1 / 24

6  
PC.



## 12D12MRS

- Wrench safely locked in support



- Easy to recognize



- One-handed carry



- Quick storage






- Elastic structure design



- Hanging hole design

12  
PC.



KT NO.	PC.	Contents	Package		
12D12MRS	12	 1062 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22	color box	1.4	1 / 12



WRENCHES

# Combination Wrench

KT No. & D1



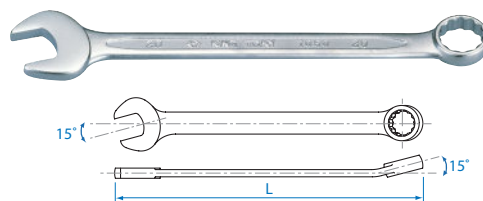
## 1060

- European slimline type
- 15° open end angle
- 15° ring end offset from shaft
- Chrome vanadium alloy steel

- Chrome plated
- Metric - DIN 3113 from A, ISO 7738
- Inch - ANSI / ASME B107.6

KT NO.	Size mm	L mm		
1060-55	5.5	105	17	12 / 504
1060-06	6	105	16	12 / 504
1060-07	7	115	22	12 / 504
1060-08	8	125	24	12 / 504
1060-09	9	135	32	12 / 504
1060-10	10	145	41	12 / 504
1060-11	11	155	46	12 / 504
1060-12	12	165	59	12 / 216
1060-13	13	175	70	12 / 216
1060-14	14	185	87	12 / 216
1060-15	15	195	96	12 / 192
1060-16	16	205	111	12 / 192
1060-17	17	215	131	12 / 192
1060-18	18	225	156	12 / 144
1060-19	19	235	163	12 / 144
1060-20	20	245	189	12 / 144
1060-21	21	255	206	12 / 96
1060-22	22	265	243	12 / 96
1060-23	23	275	258	12 / 96
1060-24	24	285	290	6 / 54
1060-25	25	295	312	6 / 54
1060-26	26	305	349	6 / 54
1060-27	27	315	367	6 / 54
1060-28	28	325	415	6 / 48
1060-29	29	335	463	6 / 48
1060-30	30	345	492	6 / 48
1060-32	32	365	566	6 / 48

## 5060



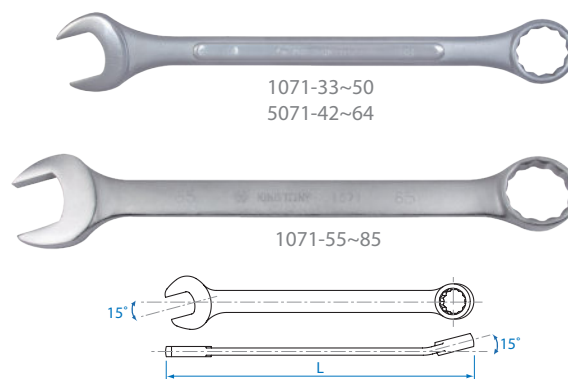
KT NO.	Size inch	L mm		
5060-08	1/4	105	17	12 / 504
5060-10	5/16	125	24	12 / 504
5060-12	3/8	145	40	12 / 504
5060-14	7/16	155	47	12 / 504
5060-16	1/2	175	70	12 / 216
5060-18	9/16	185	87	12 / 216
5060-20	5/8	205	113	12 / 192
5060-22	11/16	215	136	12 / 192
5060-24	3/4	235	175	12 / 144
5060-26	13/16	255	214	12 / 96
5060-28	7/8	265	234	12 / 96
5060-30	15/16	285	280	6 / 54
5060-32	1	295	309	6 / 54
5060-34	1-1/16	315	370	6 / 54
5060-36	1-1/8	335	462	6 / 48
5060-40	1-1/4	365	560	6 / 48

## 1071

- Jumbo type
- 15° open end angle
- 15° ring end offset from shaft
- Polished, chrome plated
- Metric - DIN 3113 from A, ISO 7738
- Inch - ANSI / ASME B107.6

KT NO.	Size mm	L mm		
1071-33	33	410	802	5 / 20
1071-34	34	410	792	5 / 20
1071-35	35	425	920	5 / 20
1071-36	36	425	927	5 / 20
1071-38	38	455	1111	5 / 20
1071-41	41	495	1463	5 / 15
1071-42	42	495	1453	5 / 15
1071-44	44	495	1655	5 / 15
1071-46	46	495	1581	5 / 15
1071-48	48	563	2372	5 / 10
1071-50	50	563	2343	5 / 10
KT NO.	Size mm	L mm		
1071-55	55	610	2520	5
1071-60	60	645	3000	5
1071-65	65	665	3300	5
1071-70	70	708	5760	2
1071-75	75	708	5770	2
1071-80	80	730	7700	2
1071-85	85	730	7700	2

## 5071



KT NO.	Size inch	L mm		
5071-42	1-5/16	410	816	5 / 20
5071-44	1-3/8	425	951	5 / 20
5071-46	1-7/16	425	920	5 / 20
5071-48	1-1/2	455	1085	5 / 20
5071-50	1-9/16	495	1532	5 / 15
5071-52	1-5/8	495	1520	5 / 15
5071-54	1-11/16	495	1598	5 / 15
5071-56	1-3/4	495	1609	5 / 15
5071-58	1-13/16	495	1554	5 / 15
5071-60	1-7/8	563	2317	5 / 10
5071-62	1-15/16	563	2245	5 / 10
5071-64	2	563	2248	5 / 10







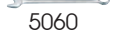
# Combination Wrench Set



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag

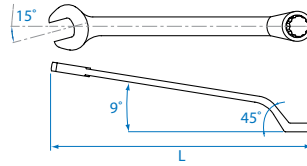
KT NO.	PC.	Contents	Package	 Kg	
1207MR	7	10, 11, 12, 13, 14, 17, 19	Nylon	0.71	1 / 30
1208MR	8	10, 11, 12, 13, 14, 17, 19, 22	Nylon	0.95	1 / 24
1210MR	10	8, 10, 12, 13, 14, 17, 19, 21, 22, 24	Nylon	1.38	1 / 16
1211MR	11	8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24	Nylon	1.33	1 / 16
1212MR	12	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	Nylon	1.28	1 / 16
1212MR01	12	6, 8, 10, 12, 13, 14, 17, 19, 24, 27, 30, 32	Nylon	3.23	1 / 8
1214MR	14	10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32	Nylon	3.18	1 / 8
1214MRN	14	10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.31	1 / 8
1214MR01	14	10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	Nylon	3.25	1 / 8
1215MR	14	 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24	Nylon	1.86	1 / 12
1215MR01	14	1060 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	Nylon	3.22	1 / 12
1215MR02	15	6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Nylon	2.92	1 / 8
1211MRN	11	8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24	Tetoron	1.33	1 / 16
1214MRN01	14	10, 11, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	Tetoron	3.35	1 / 8
1214MRN05	14	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	Tetoron	1.24	1 / 12
1215MRN01	14	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	Tetoron	1.92	1 / 12
1215MRN02	15	6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Tetoron	2.92	1 / 8
1218MR01	18	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	Nylon	2.5	1 / 9
1218MRN	18	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	Tetoron	1.34	1 / 9
1226MR	26	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23,	Nylon	5.67	1 / 4
1226MRN	26	24, 25, 26, 27, 28, 29, 30, 32	Tetoron	5.67	1 / 4
1207SR	7	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	Nylon	0.61	1 / 30
1211SR	11	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8, 15/16	Nylon	1.48	1 / 16
1211SR01	11	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1	Nylon	1.46	1 / 16
1211SR02	11	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	Nylon	1.63	1 / 12
1214SR	14	 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4	Nylon	3.02	1 / 8
1216SR	16	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Nylon	3.44	1 / 8
1216SRN	16	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Tetoron	3.63	1 / 6
1213SRN	13	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	Tetoron	1.96	1 / 10
1214SRN01	14	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Tetoron	3.54	1 / 8
1296MRN	6	 1071 34, 36, 38, 41, 46, 50	Tetoron	8.87	1 / 2
1224CRN	24	 1060 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	Tetoron	2.93	1 / 6
		 5060 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16			



# Offset Combination Wrench & Set

## 1063

- Chrome vanadium alloy steel
- Offset ring ideal for deep-seated nuts or bolts
- 15° open end angle
- Chrome plated
- Metric - DIN 3113 from B, ISO 7738, ISO 3318



KT NO.	Size mm	L mm		
1063-06	6	110	17	20 / 360
1063-08	8	130	32	20 / 320
1063-11	11	160	50	20 / 320
1063-14	14	190	93	15 / 240
1063-15	15	200	105	15 / 180
1063-16	16	210	118	15 / 180

## 5063



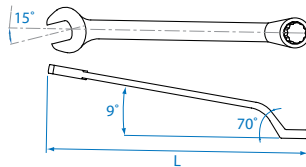
KT NO.	Size mm	L mm		
1063-18	18	230	165	12 / 96
1063-21	21	260	226	10 / 80
1063-22	22	270	252	10 / 80
1063-27	27	320	448	6 / 48
1063-30	30	350	535	6 / 48
1063-32	32	370	596	6 / 48

KT NO.	Size inch	L mm		
5063-14	7/16	160	59	20 / 320
5063-16	1/2	180	78	20 / 240
5063-18	9/16	190	103	15 / 240

## 1067

- Chrome vanadium alloy steel
- Offset ring ideal for deep-seated nuts or bolts
- 15° open end angle
- Chrome plated
- DIN 3113 from B, ISO 7738, ISO 3318



KT NO.	Size mm	L mm		
1067-06	6	105	18	10 / 640
1067-07	7	115	23	10 / 640
1067-08	8	125	32	10 / 640
1067-09	9	135	37	10 / 480
1067-10	10	145	45	6 / 288
1067-11	11	155	56	12 / 240
1067-12	12	165	61	10 / 200
1067-13	13	175	73	8 / 160
1067-14	14	185	96	10 / 160
1067-15	15	195	105	10 / 160
1067-16	16	205	122	10 / 160
1067-17	17	215	138	8 / 128
1067-18	18	225	161	12 / 144

KT NO.	Size mm	L mm		
1067-19	19	235	192	10 / 120
1067-20	20	235	256	10 / 80
1067-21	21	265	248	10 / 80
1067-22	22	265	252	10 / 80
1067-23	23	290	316	8 / 64
1067-24	24	290	307	8 / 64
1067-25	25	300	327	10 / 60
1067-26	26	320	423	10 / 40
1067-27	27	320	402	10 / 40
1067-28	28	330	494	10 / 40
1067-29	29	350	402	6 / 48
1067-30	30	350	522	6 / 48
1067-32	32	370	621	4 / 32



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.	Contents	Package		
1271MR	11	6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22	Nylon	1.23	1 / 15
1271MRN	11		Teton		
1272MR	12	6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22	Nylon	1.21	1 / 15
1275MR	15		Nylon		
1275MRN	15	6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32	Teton	3.3	1 / 8
1266MR	26	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Nylon	6.85	1 / 2

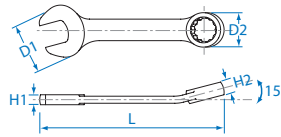
# Stubby Combination Wrench & Set

KT No. & D1



## 10D0

- Short pattern design enables greater access in confined spaces
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113 from A



KT NO.	Size mm	D1	D2	H1	H2	L mm		
10D0-08	8	18.1	13.8	4.6	6.0	85	20	20 / 360
10D0-09	9	19.3	14.5	4.8	6.4	90	23	20 / 360
10D0-10	10	20.5	15.1	4.8	6.4	95	28	20 / 360
10D0-11	11	22.7	16.7	5.9	7.9	100	45	20 / 360
10D0-12	12	24.7	18.0	6.2	8.3	105	46	20 / 360
10D0-13	13	27.2	19.1	6.5	8.7	110	56	20 / 360
10D0-14	14	28.8	21.4	7.0	9.2	115	69	15 / 270
10D0-15	15	31.0	22.4	7.4	9.7	120	76	15 / 270
10D0-16	16	33.0	23.8	7.8	10.3	125	93	15 / 270
10D0-17	17	35.0	26.2	8.1	10.7	130	106	15 / 180
10D0-18	18	37.0	27.3	8.6	11.3	135	126	15 / 180
10D0-19	19	39.0	28.6	9.0	11.8	140	143	12 / 144

## 1282MR

### Contents

	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		
10D0	1.03	1 / 24	



12 PC.

► Nylon pouch bag

# Single Open End Wrench

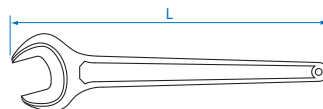


**CAUTION** Please wear proper safety gear while working.



## 10F0

- Features : The open end is thicker for very high tightening torques. Examples : public work, rail worksite, naval construction, agriculture, oil platforms, metallic construction
- Hanging hole at end of handle: wrenches stored on panel or hung to avoid loss or fall
- Chrome vanadium alloy steel
- Finished with phosphate sunk
- DIN 894



KT NO.	Size mm	L mm		
10F0-17P	17	178	107	10 / 120
10F0-19P	19	178	107	10 / 120
10F0-21P	21	203	161	10 / 100
10F0-22P	22	203	161	10 / 100
10F0-23P	23	220	203	8 / 80
10F0-24P	24	220	203	8 / 80
10F0-26P	26	240	290	6 / 60
10F0-27P	27	240	290	6 / 60
10F0-29P	29	267	341	6 / 48
10F0-30P	30	267	335	6 / 48
10F0-32P	32	285	410	5 / 30

KT NO.	Size mm	L mm		
10F0-36P	36	317	556	5 / 30
10F0-38P	38	320	740	5 / 30
10F0-41P	41	340	875	4 / 24
10F0-46P	46	395	1060	3 / 12
10F0-50P	50	425	1402	1 / 12
10F0-55P	55	425	1403	1 / 12
10F0-60P	60	470	2544	1 / 6
10F0-65P	65	470	2441	1 / 6
10F0-70P	70	500	3457	1 / 6
10F0-75P	75	500	3333	1 / 6

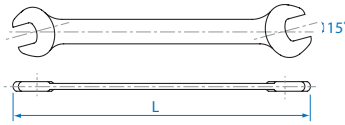


WRENCHES

# Open End Wrench & Set

## 1900

- European slimline type
- 15° open end angle
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 3110
- Inch - ANSI / ASME B107.6



## 5900



KT NO.	Size mm	L mm		
19005507	5.5 x 7	123	20	12 / 576
19000607	6 x 7	123	23	12 / 576
19000708	7 x 8	140	33	12 / 576
19000809	8 x 9	140	32	12 / 576
19000810	8 x 10	140	33	12 / 576
19000911	9 x 11	156	56	12 / 288
19001011	10 x 11	156	46	12 / 288
19001012	10 x 12	156	45	12 / 288
19001113	11 x 13	172	65	12 / 288
19001213	12 x 13	172	80	12 / 288
19001214	12 x 14	172	64	12 / 288
19001314	13 x 14	172	81	12 / 288
19001317	13 x 17	195	104	12 / 192
19001415	14 x 15	188.5	89	12 / 192
19001417	14 x 17	195	106	12 / 192
19001617	16 x 17	204	122	12 / 192
19001618	16 x 18	221	158	12 / 144
19001719	17 x 19	221	158	12 / 144
19001819	18 x 19	221	160	12 / 144
19001921	19 x 21	237	207	12 / 144
19001922	19 x 22	237	203	12 / 144
19002022	20 x 22	237	209	12 / 144
19002123	21 x 23	247	241	6 / 72
19002224	22 x 24	247	235	6 / 72
19002326	23 x 26	263	305	6 / 72
19002426	24 x 26	263	295	6 / 72
19002427	24 x 27	263	301	6 / 72

KT NO.	Size mm	L mm		
19002430	24 x 30	263	306	6 / 72
19002528	25 x 28	279	348	6 / 48
19002632	26 x 32	285	438	6 / 48
19002729	27 x 29	279	348	6 / 48
19002730	27 x 30	285	431	6 / 48
19002732	27 x 32	285	434	6 / 48
19003032	30 x 32	298	439	6 / 48
19003036	30 x 36	351	715	6 / 36
19003236	32 x 36	351	723	5 / 30
19003436	34 x 36	351	717	5 / 30
19003641	36 x 41	380	998	4 / 24
19004146	41 x 46	430	1337	4 / 16

KT NO.	Size inch	L mm		
59000810	1/4 x 5/16	123	23	12 / 576
59001012	5/16 x 3/8	140	32	12 / 576
59001214	3/8 x 7/16	156	45	12 / 288
59001416	7/16 x 1/2	172	69	12 / 288
59001618	1/2 x 9/16	172	70	12 / 288
59001820	9/16 x 5/8	188.5	88	12 / 192
59002022	5/8 x 11/16	204	120	12 / 192
59002224	11/16 x 3/4	221	163	12 / 144
59002628	13/16 x 7/8	237	202	12 / 144
59003032	15/16 x 1	247	311	6 / 72
59003034	15/16 x 1-1/16	263	304	6 / 72
59003236	1 x 1-1/8	279	341	6 / 48
59003640	1-1/8 x 1-1/4	298	431	6 / 48



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.	Contents	Package		
1106MR	6	8 x 9, 10 x 12, 12 x 14, 14 x 17, 17 x 19, 21 x 23	Nylon	0.83	1 / 24
1106MR01	6	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	Nylon	0.81	1 / 24
1108MR	8	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	Nylon	0.91	1 / 24
1110MR	10	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 24 x 27, 25 x 28	Nylon	1.67	1 / 16
1112MR	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32	Nylon	2.37	1 / 10
1112MRN	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32	Teton	2.45	1 / 10
1108SR	8	1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8	Nylon	0.91	1 / 24
1110SR	10	1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8, 15/16 x 1-1/16, 1 x 1-1/8	Nylon	1.67	1 / 16
1112SR	12	1/4 x 5/16, 5/16 x 3/8, 3/8 x 7/16, 7/16 x 1/2, 9/16 x 5/8, 5/8 x 11/16, 11/16 x 3/4, 13/16 x 7/8, 15/16 x 1, 15/16 x 1-1/16, 1 x 1-1/8, 1-1/8 x 1-1/4	Nylon	2.5	1 / 10

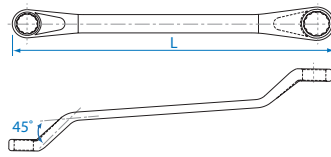
# 45° Offset Ring Wrench & Set

KT No. & D1



## 1960

- 45° offset ring
- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 838
- Inch - ANSI / ASME B107.6



KT NO.	Size mm	L mm		
19600607	6 x 7	165	47	12 / 360
19600809	8 x 9	175	55	12 / 360
19600810	8 x 10	185	70	12 / 360
19601011	10 x 11	195	90	12 / 360
19601012	10 x 12	185	90	12 / 360
19601113	11 x 13	205	105	12 / 240
19601213	12 x 13	205	103	12 / 240
19601214	12 x 14	220	126	12 / 240
19601415	14 x 15	235	138	12 / 144
19601417	14 x 17	235	156	12 / 144
19601617	16 x 17	240	180	12 / 144
19601719	17 x 19	250	204	6 / 72
19601819	18 x 19	250	210	6 / 72

## 5960



KT NO.	Size mm / inch	L mm		
19601921	19 x 21	270	253	6 / 72
19602022	20 x 22	270	242	6 / 72
19602123	21 x 23	320	460	6 / 48
19602224	22 x 24	320	372	6 / 48
19602326	23 x 26	360	451	6 / 48
19602426	24 x 26	360	460	6 / 48
19602427	24 x 27	360	437	6 / 48
19602732	27 x 32	385	658	6 / 36
19603032	30 x 32	392	697	6 / 36
59601214	3/8 x 7/16	185	79	12 / 360
59601618	1/2 x 9/16	220	122	12 / 240
59602022	5/8 x 11/16	240	167	12 / 144
59602428	3/4 x 7/8	270	243	6 / 72
59603032	15/16 x 1	360	420	6 / 48



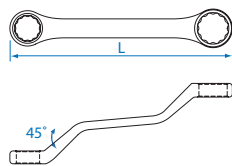
► Nylon pouch bag

KT NO.	PC.	Contents		
1606MR	6	10 x 12, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 23 x 26	1.6	1 / 16
1609MR	9	8 x 9, 10 x 12, 11 x 13, 12 x 14, 14 x 17, 17 x 19, 19 x 21, 22 x 24, 23 x 26	1.93	1 / 8
1611MR	11	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 30 x 32	3.0	1 / 16



## 1961

- Mini type
- 45° offset ring
- Thin wall rings
- Chrome vanadium steel
- Chrome plated
- Metric - DIN 838



KT NO.	Size mm	L mm		
19610809	8 x 9	112	26	12 / 336
19611011	10 x 11	115	42	12 / 336
19611415	14 x 15	140	87	12 / 240

KT NO.	Size mm	L mm		
19611617	16 x 17	150	96	10 / 200
19611819	18 x 19	157	115	6 / 120



WRENCHES

# 75° Offset Ring Wrench & Set

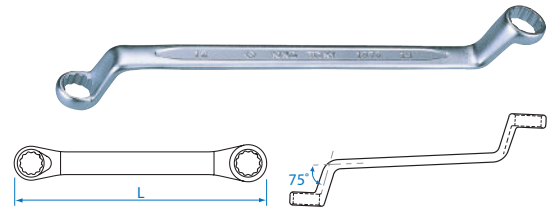
KT No. & D1



## 1970

- European slimline type
- 75° deep ring offset
- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 838
- Inch - ANSI / ASME B107.6

## 5970



KT NO.	Size mm	L mm		
19700607	6 x 7	168	46	12 / 360
19700809	8 x 9	183	69	12 / 360
19700810	8 x 10	183	68	12 / 360
19701011	10 x 11	198	95	12 / 240
19701012	10 x 12	198	87	12 / 240
19701113	11 x 13	217	129	12 / 144
19701213	12 x 13	217	125	12 / 144
19701214	12 x 14	217	125	12 / 144
19701314	13 x 14	217	124	12 / 144
19701415	14 x 15	239	175	12 / 144
19701417	14 x 17	260	191	6 / 96
19701617	16 x 17	260	225	6 / 96
19701719	17 x 19	292	297	6 / 72
19701819	18 x 19	292	289	6 / 72
19701921	19 x 21	318	340	6 / 60
19701922	19 x 22	318	318	6 / 60
19702022	20 x 22	318	319	6 / 60
19702123	21 x 23	326.5	379	6 / 60
19702224	22 x 24	326	370	6 / 60
19702326	23 x 26	344	451	6 / 48
19702426	24 x 26	329	477	6 / 48
19702427	24 x 27	329	469	6 / 48
19702528	25 x 28	347	503	6 / 48
19703032	30 x 32	362	638	6 / 36

KT NO.	Size inch	L mm		
59700810	1/4 x 5/16	168	49	12 / 360
59701012	5/16 x 3/8	183	63	12 / 360
59701214	3/8 x 7/16	198	93	12 / 240
59701416	7/16 x 1/2	217	123	12 / 144
59701618	1/2 x 9/16	217	126	12 / 144
59701820	9/16 x 5/8	260	158	12 / 96
59702022	5/8 x 11/16	260	223	6 / 96
59702224	11/16 x 3/4	292	277	6 / 96
59702428	3/4 x 7/8	318	319	6 / 60
59702628	13/16 x 7/8	326.5	377	6 / 60
59703032	15/16 x 1	329	460	6 / 48
59703436	1-1/16 x 1-1/8	347	515	6 / 48
59703640	1-1/8 x 1-1/4	365	703	6 / 48
59703842	1-3/16 x 1-5/16	375	750	5 / 30

WRENCHES



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.	Contents	Package		
1706MR	6	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17	Nylon	0.88	1 / 24
1708MR	8	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 21 x 23	Nylon	1.64	1 / 12
1708MR01	8	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	Nylon	1.52	1 / 12
1710MR	10	1970 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 21 x 23, 24 x 27, 30 x 32	Nylon	2.83	1 / 8
1712MR	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 30 x 32	Nylon	3.78	1 / 6
1712MRN	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32	Teton	3.78	1 / 6
1712MRN01	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32	Teton	3.78	1 / 6
1707SR	7	5970 1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 5/8 x 11/16, 3/4 x 7/8, 15/16 x 1, 1-1/16 x 1-1/8	Nylon	2.0	1 / 12





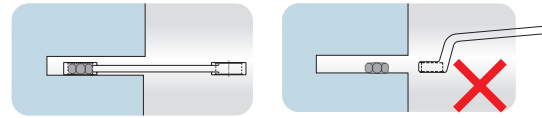
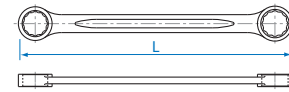
# Straight Ring Wrench & Set

KT No. & D1



## 19C0

- Thin wall rings
- Chrome vanadium alloy steel
- Chrome plated
- DIN 837

KT NO.	Size mm	L mm		
19C00607	6 x 7	121	20	20 / 480
19C00809	8 x 9	137	33	20 / 480
19C01011	10 x 11	154	52	20 / 320
19C01213	12 x 13	164	69	20 / 240
19C01415	14 x 15	182	85	20 / 240
19C01617	16 x 17	211	127	12 / 144
19C01819	18 x 19	226	160	12 / 144
19C02022	20 x 22	240	208	10 / 120
19C02123	21 x 23	255	238	10 / 120
19C02426	24 x 26	270	316	6 / 72
19C02528	25 x 28	285	368	6 / 72
19C03032	30 x 32	335	540	5 / 40



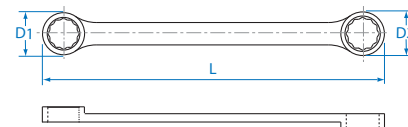
► Nylon pouch bag



KT NO.	PC.	Contents		
1C08MR	8	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22	0.79	1 / 24
1C12MR	12	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 30 x 32	2.23	1 / 12

# 0° Offset Ring Wrench

## 19B0

- Ideal for crowded or confined spaces
- Ultra-compact ring head
- Chrome molybdenum alloy steel
- Chrome plated
- DIN 3113





KT NO.	Size mm	D1 mm	D2 mm	L mm		
19B00810	8 x 10	12.5	15	235	72	12 / 240
19B01011	10 x 11	14.3	17	291	95	12 / 192
19B01012	10 x 12	14.3	17	291	95	12 / 192
19B01113	11 x 13	17.8	20.3	328	157	12 / 120
19B01214	12 x 14	17.8	20.3	328	157	12 / 120
19B01315	13 x 15	20.2	23.3	368	217	12 / 96
19B01417	14 x 17	20.2	23.3	368	217	12 / 96
19B01618	16 x 18	23.7	26.6	407	284	12 / 72
19B01719	17 x 19	23.7	26.6	407	284	12 / 72
19B01921	19 x 21	27.5	29.7	415	376	8 / 64
19B02224	22 x 24	31.3	34.0	430	482	6 / 48



# 0° Offset Ring Wrench Set

1F06MRN

Contents			
19B0	10 x 11, 12 x 14, 13 x 15, 16 x 18, 17 x 19, 22 x 24	1.81	1 / 8



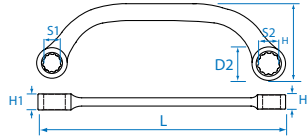
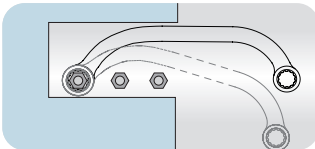
6 PC.



► Teton pouch bag

# Half Moon Ring Wrench & Set




1950

- Short pattern design enables greater access in confined spaces
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113



KT NO.	Size mm	D1 mm	D2 mm	L mm	H1 mm	H2 mm	H mm		
19500810	8 x 10	15.6	14.3	137	6.5	6.2	42	40	12 / 288
19501012	10 x 12	15.6	18.2	141	6.6	6.5	50	61	12 / 288
19501113	11 x 13	18.2	21.0	166	8.2	8.0	63	101	8 / 128
19501214	12 x 14	18.2	21.0	166	8.2	8.0	63	95	8 / 128
19501315	13 x 15	22.0	25.0	190	9.2	8.2	75	133	6 / 72
19501417	14 x 17	22.0	25.0	190	9.2	8.2	75	130	6 / 72
19501618	16 x 18	25.5	28.0	220	9.6	8.8	79	164	6 / 72
19501719	17 x 19	25.5	28.0	220	9.6	8.8	79	163	6 / 72
19501922	19 x 22	28.6	32.5	256	11.1	10.1	91	257	6 / 48



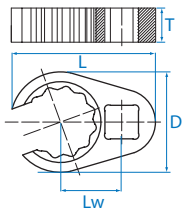
KT NO.	PC.	Contents		
9-1905MR	5	 10 x 12, 11 x 13, 14 x 17, 16 x 18, 19 x 22	0.82	1 / 10



## Crowfoot Wrench & Set

### 1031

- 12 points
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm	g	kg	pc
1031-10R	10	3/8"	27.0	9.2	36.5	17.1	40	12	192
1031-11R	11	3/8"	27.0	9.2	36.5	17.0	40	12	192
1031-12R	12	3/8"	27.5	9.2	36.5	16.8	40	12	192
1031-13R	13	3/8"	27.2	9.3	36.5	16.7	40	12	192
1031-14R	14	3/8"	29.8	9.6	42.0	20.0	42	12	192
1031-15R	15	3/8"	31.4	9.2	42.0	19.2	44	12	192
1031-16R	16	3/8"	30.2	10.1	42.0	19.5	48	12	192
1031-17R	17	3/8"	34.0	11.4	45.6	23.5	68	12	192
1031-18R	18	3/8"	33.6	10.0	45.6	22.5	63	12	192
1031-19R	19	3/8"	33.7	10.8	45.8	23.0	63	12	192
1031-22R	22	1/2"	38.5	13.0	55.0	23.0	82	15	180
1031-24R	24	1/2"	38.5	12.5	55.0	24.5	74	15	180
1031-26R	26	1/2"	42.5	13.5	60.0	24.0	105	15	180
1031-27R	27	1/2"	42.5	13.5	61.0	25.0	98	15	180
1031-30R	30	1/2"	49.0	14.0	68.5	30.0	136	12	144
1031-32R	32	1/2"	50.0	14.0	70.0	30.0	136	12	144

- Use to reach limit place with extension bar
- Use with torque wrench and 90° extension bar, will not effectively change the torque value

KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm	g	kg	pc
1031-33R	33	3/4"	55.6	22.5	84.5	38.0	355	12	60
1031-34R	34	3/4"	55.6	22.5	84.5	38.0	345	12	60
1031-35R	35	3/4"	55.6	22.5	84.5	39.0	334	12	60
1031-36R	36	3/4"	55.6	22.5	84.5	39.0	315	12	60
1031-38R	38	3/4"	61.7	23.0	90.5	43.0	346	12	60
1031-41R	41	3/4"	61.7	23.0	90.5	43.0	357	12	60
1031-46R	46	3/4"	70.0	25.0	101	47.0	517	12	24
1031-48R	48	3/4"	75.5	28.5	104	47.0	482	12	24
1031-50R	50	3/4"	75.5	28.5	104	48.0	587	12	24



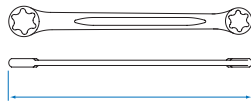
KT NO.	PC.	Contents	kg	pc
1E10MR	10	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	0.59	1 / 30
1E11MR	11	1031 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	0.68	1 / 30



# Star Box End Wrench & Set

## 1920

- Chrome vanadium alloy steel
- Chrome plated
- ANSI / ASME B107.6



KT NO.	Size	L mm		
19200608	E6 x E8	114.0	21	12 / 504
19200711	E7 x E11	126.5	31	12 / 504
19201012	E10 x E12	142.5	43	12 / 384
19201418	E14 x E18	183.0	90	12 / 240
19201622	E16 x E22	205.0	114	12 / 192
19202024	E20 x E24	225.0	159	12 / 144

## 1406PR

Metal case size (mm):  
280 x 130 x 41 (0.053 cuft)



6 PC.

Contents

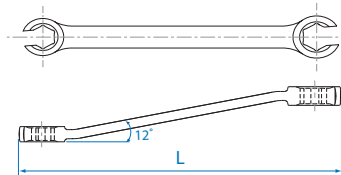
0.46 1 / 15

1920	E6 x E8, E7 x E11, E10 x E12, E14 x E18, E16 x E22, E20 x E24
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# Flare Nut Wrench

## 1930

- 6 points
- 12° ring offset
- Chrome vanadium alloy steel
- Chrome plated
- Metric - DIN 3118
- Inch - ANSI / ASME B107.6



KT NO.	Size mm	L mm		
19300810	8 x 10	130	56	12 / 216
19300911	9 x 11	150	74	12 / 216
19301011	10 x 11	150	76	12 / 192
19301012	10 x 12	150	73	12 / 192
19301113	11 x 13	170	96	12 / 144
19301213	12 x 13	170	102	12 / 144
19301214	12 x 14	170	100	12 / 144
19301315	13 x 15	178	122	12 / 144
19301417	14 x 17	190	138	12 / 144
19301719	17 x 19	210	170	8 / 128
19301922	19 x 22	230	245	9 / 108

## 5930



KT NO.	Size inch	L mm		
59301012	5/16 x 3/8	130	60	12 / 216
59301214	3/8 x 7/16	150	76	12 / 192
59301618	1/2 x 9/16	180	125	12 / 144
59301820	9/16 x 5/8	190	169	12 / 144
59302224	11/16 x 3/4	210	184	6 / 96
59302428	3/4 x 7/8	230	249	6 / 72



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag

KT NO.	PC.	Contents	Package		
1306MR	6	1930	Nylon	0.90	1 / 30
1306MRN	6	1930	Teton	0.90	1 / 30
1306SR	6	5930	Nylon	0.86	1 / 30

# Flare Nut Wrench & Set

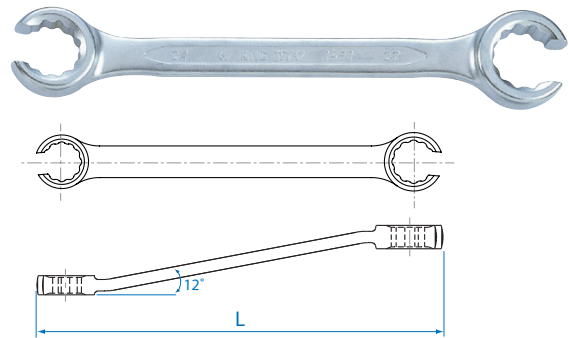
KT No. & D1



## 1931

- 12 points
- 12° ring offset
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3118

KT NO.	Size mm	L mm		
19312224	22 x 24	250	309	6 / 72
19312427	24 x 27	270	406	6 / 48
19313032	30 x 32	290	546	5 / 40



# Flexible Head Wrench & Set

## 1020

- Combination flexible head wrench with 12 points thin wall socket
- 180° swivel head for better accessibility
- Chrome vanadium alloy steel
- Chrome plated

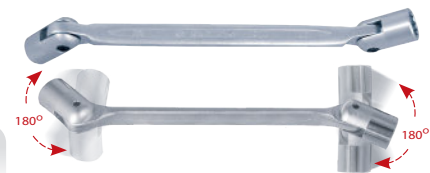
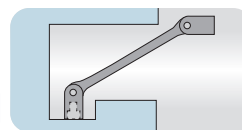
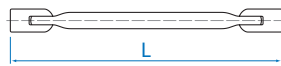


KT NO.	Size mm	L mm		
1020-08	8	170	64	10 / 180
1020-09	9	170	68	10 / 180
1020-10	10	180	81	10 / 160
1020-11	11	188	106	10 / 160
1020-12	12	190	107	10 / 120
1020-13	13	206	135	10 / 120

KT NO.	Size mm	L mm		
1020-14	14	225	167	10 / 120
1020-15	15	225	193	6 / 72
1020-16	16	234	224	6 / 72
1020-17	17	234	237	4 / 48
1020-18	18	252	295	4 / 48
1020-19	19	250	290	4 / 48

## 1910

- Double end flexible head wrench with 12 points thin wall socket
- 180° swivel head for better accessibility
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	L mm		
19100607	6 x 7	182	76	12 / 216
19100809	8 x 9	182	81	12 / 216
19100810	8 x 10	185	88	10 / 160
19101011	10 x 11	200	109	10 / 160
19101012	10 x 12	205	122	10 / 120
19101213	12 x 13	220	158	10 / 120
19101214	12 x 14	225	178	10 / 80
19101415	14 x 15	240	232	10 / 120
19101417	14 x 17	244	256	10 / 120
19101617	16 x 17	259	317	10 / 80

KT NO.	Size mm	L mm		
19101719	17 x 19	260	341	10 / 80
19101819	18 x 19	275	393	6 / 54
19101921	19 x 21	300	526	6 / 36
19102022	20 x 22	305	579	6 / 36
19102123	21 x 23	305	631	6 / 36
19102427	24 x 27	335	797	6 / 24

KT NO.	PC.	Contents		
1B06MR	6	1020 10, 12, 13, 14, 17, 19	1.06	1 / 24
1A06MR	6	1910 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	1.49	1 / 16



► Nylon pouch bag



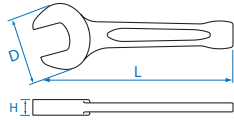
WRENCHES

# Slogging Wrench



## 10A0

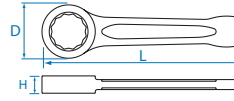
- Open end slogging
- Finished with phosphate sunk
- DIN 133



KT NO.	Size mm	L mm	D mm	H mm		
10A0-24	24	178	52	15	286	6 / 72
10A0-27	27	180	55	16	339	6 / 72
10A0-30	30	190	60	16	416	6 / 60
10A0-32	32	190	61	17	401	6 / 60
10A0-36	36	215	72	17	573	6 / 24
10A0-41	41	233	83	19	855	5 / 20
10A0-46	46	255	94	20	1102	4 / 16
10A0-50	50	275	105	22	1502	2 / 16
10A0-55	55	298	115	24	2161	2 / 12
10A0-60	60	320	127	24	2374	1 / 10
10A0-65	65	340	138	27	3204	1 / 8
10A0-70	70	370	156	32	3785	1 / 5
10A0-75	75	372	153	31	3715	1 / 5
10A0-80	80	395	175	33	6820	1 / 4
10A0-85	85	395	175	33	6300	1 / 4
10A0-90	90	440	197	38	9270	1 / 2
10A0-95	95	440	197	38	8700	1 / 2
10A0-A0	100	480	230	45	10500	1 / 2
10A0-A5	105	480	230	45	10300	1 / 2
10A0-B0	110	505	238	47	14420	1 / 1
10A0-B5	115	505	250	53	14420	1 / 1
10A0-C0	120	530	258	53	15450	1 / 1
10A0-C5	125	530	258	56	15015	1 / 1

## 10B0

- Ring slogging
- Finished with phosphate sunk
- DIN 7444



KT NO.	Size mm	L mm	D mm	H mm		
10B0-24	24	162	42	16	238	6 / 72
10B0-26	26	180	46	17	341	6 / 72
10B0-27	27	180	46	17	330	6 / 72
10B0-30	30	190	52	18	431	6 / 72
10B0-32	32	190	52	18	404	6 / 60
10B0-36	36	205	58	19	534	6 / 36
10B0-41	41	230	66	21	728	6 / 24
10B0-46	46	240	74	23	877	4 / 16
10B0-50	50	250	82	23	1085	4 / 16
10B0-55	55	265	88	24	1429	2 / 16
10B0-60	60	275	95	26	1644	2 / 12
10B0-65	65	295	104	28	1875	2 / 12
10B0-70	70	325	112	33	2965	1 / 8
10B0-75	75	325	115	33	2735	1 / 8
10B0-80	80	345	128	36	3675	1 / 6
10B0-85	85	345	130	36	3710	1 / 6
10B0-90	90	380	152	40	5850	1 / 4
10B0-95	95	380	152	40	5350	1 / 4
10B0-A0	100	410	161	43	6445	1 / 4
10B0-A5	105	415	172	45	6500	1 / 3
10B0-B0	110	440	172	47	8000	1 / 3
10B0-B5	115	440	172	47	7500	1 / 3
10B0-C0	120	470	194	53	9000	1 / 2

# Heavy Duty Offset Ring Wrench

## 10C0

- To be used with extension tubes item "11"
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	L mm	Applied tube		
10C0-24	24	178	111946	463	6 / 48
10C0-27	27	188	111946	523	6 / 48
10C0-30	30	198	111946	579	4 / 36
10C0-32	32	233	112261	841	4 / 24
10C0-36	36	241	112261	946	4 / 24
10C0-41	41	260	112261	1099	2 / 16
10C0-46	46	277	112576	1365	2 / 16
10C0-50	50	287	112576	1642	2 / 16
10C0-55	55	298	112576	1766	1 / 12
10C0-60	60	345	113086	2800	1 / 9
10C0-65	65	356	113086	3183	1 / 4

## 11

- Tube for item 10C0
- Chrome plated



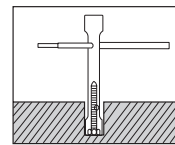
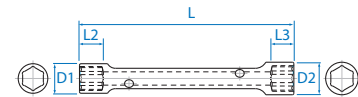
KT NO.	mm	L mm	Applied wrench size		
111946	19	460	24mm, 27mm, 30mm	1050	20
112261	22	610	32mm, 36mm, 41mm	1450	16
112576	24	760	46mm, 50mm, 55mm	2400	6
113086	30	860	60mm, 65mm	2610	4

# End Tubular Wrench

## 19A0

- Chrome vanadium alloy steel
- Chrome plated

KT NO.	∅∅ mm	D1 mm	D2 mm	L2 mm	L3 mm	L mm			
19A00607	6 x 7	10	11	5	6	105	41	30	/ 180
19A00809	8 x 9	13	14	6	7	110	55	30	/ 180
19A01011	10 x 11	15	16	7.5	8	120	84	24	/ 144
19A01213	12 x 13	18	19	9	9.5	140	141	18	/ 144
19A01415	14 x 15	20	22	10	11	145	137	12	/ 96
19A01617	16 x 17	23	24	11	12	155	186	10	/ 90
19A01819	18 x 19	25	26	13	15	165	240	8	/ 72
19A02022	20 x 22	28	30	15	16	170	291	8	/ 72
19A02123	21 x 23	29	31	15	17	185	346	6	/ 54
19A02426	24 x 26	33	35	19	21	190	425	4	/ 36
19A02528	25 x 28	34	37	19	21	205	497	4	/ 24
19A02729	27 x 29	37	39	21	22	210	590	2	/ 12
19A03032	30 x 32	40	42	22	26	210	680	2	/ 12

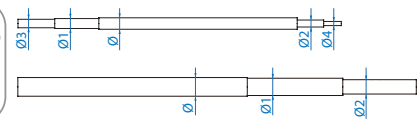


• Double end socket wrench for the hollow tube design, a long-type screw may be used.

## 19A0-09

KT NO.	L mm	∅ mm	∅1 mm	∅2 mm	∅3 mm	∅4 mm	Applied to socket wrench sizes
19A0-09	220	7.8	6.75	4.75	5.75	2.8	19A00607~19A02022
19A0-15	300	12.7	11.75	9.75	-	-	19A02123~19A03032

## 19A0-15



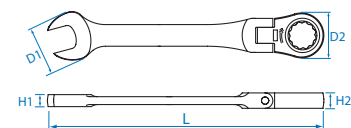
# Flexible Speed Wrench & Set

KT No. & D1

## 3730M

- Flexible head, open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated

KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm			
373008M	8	16.2	16.7	4.3	6.5	127.0	35	12	/ 432
373009M	9	18.2	18.6	4.6	6.9	131.5	42	12	/ 384
373010M	10	20.3	20.0	5.0	7.3	136.0	55	12	/ 384
373011M	11	22.5	21.8	5.4	7.7	141.0	65	10	/ 320
373012M	12	24.3	23.0	5.8	8.2	147.5	80	10	/ 240
373013M	13	26.8	25.2	6.1	8.6	154.0	93	10	/ 240
373014M	14	28.7	26.8	6.4	9.0	160.0	109	10	/ 200
373015M	15	30.5	28.3	6.9	9.4	169.0	129	10	/ 160
373016M	16	32.9	29.8	7.2	9.9	179.0	149	10	/ 160
373017M	17	34.5	31.8	7.6	10.3	190.0	178	10	/ 160
373018M	18	37.0	32.8	8.0	10.7	203.0	201	10	/ 160
373019M	19	39.2	33.9	8.6	11.2	215.0	231	10	/ 80
373021M	21	46.0	40.0	9.0	13.0	274.0	392	6	/ 54
373022M	22	46.0	40.0	9.0	13.0	274.0	392	6	/ 54
373024M	24	52.2	46.0	10.0	14.5	296.0	547	6	/ 54



► Tetoron pouch bag

KT NO.	PC.	Contents			
12007MRN	7	8, 10, 12, 13, 14, 17, 19 3730M	0.93	1	/ 10

# Flexible Speed Wrench & Set

## 13012MR

Blow case size (mm) :  
275 x 310 x 65 (1.68 Cuft)



12  
PC.

Contents

2.17 1 / 6



3730M

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

## 13013MR

Blow case size (mm) :  
303 x 228 x 50 (1.35 Cuft)



13  
PC.

Contents

1.66 1 / 8



3730M

8, 10, 12, 13, 14, 16, 17, 18, 19



373202H



373202R



373203R



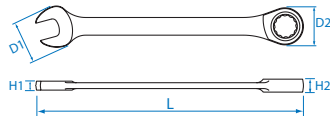
373204R

# Speed Wrench

KT No. & D1

## 3731M

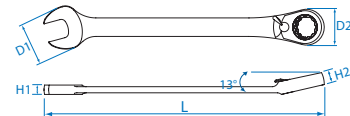
- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm			
373108M	8	16.7	17.0	4.0	6.5	140.0	30	12	384
373109M	9	18.7	18.6	4.4	6.9	149.0	39	12	384
373110M	10	20.8	20.2	4.8	7.3	158.0	49	12	240
373111M	11	23.0	22.0	5.2	7.7	165.0	60	12	240
373112M	12	24.6	23.4	5.5	8.2	171.0	74	12	240
373113M	13	26.8	25.5	5.8	8.6	178.0	83	10	160
373114M	14	29.0	26.9	6.2	9.0	190.0	98	10	160
373115M	15	31.0	28.3	6.5	9.4	199.0	123	10	160
373116M	16	33.0	29.8	6.8	9.9	208.0	134	10	160
373117M	17	35.5	31.8	7.2	10.3	225.0	164	6	60
373118M	18	37.5	32.7	7.7	10.7	236.0	193	6	60
373119M	19	39.4	34.0	8.2	11.2	247.0	215	6	60
373121M	21	45.8	40.1	9.0	13.0	287.8	322	6	54
373122M	22	45.8	40.1	9.0	13.0	287.8	315	6	54
373124M	24	51.8	46.5	10.0	14.5	321.0	476	6	54
373127M	27	56.4	52.4	10.5	15.5	356.6	637	6	36
373130M	30	62.7	58.1	11.4	17.0	400.7	856	4	24
373132M	32	66.4	61.9	12.5	17.5	423.5	1011	4	24

## 3732M

- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated
- Take-up : 13°
- Reversible



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm			
373207M	7	16.7	16.6	4.6	6.5	140	34	12	384
373208M	8	16.7	16.6	4.6	6.5	140	34	12	384
373209M	9	18.8	18.4	4.9	6.9	150	37	12	384
373210M	10	20.8	20.0	5.3	7.3	159	50	12	240
373211M	11	23.0	21.8	5.6	7.7	165	61	12	240
373212M	12	25.0	22.7	6.0	8.2	172	73	12	240
373213M	13	27.1	24.7	6.4	8.6	178	85	10	160
373214M	14	29.2	27.0	6.8	9.0	191	105	10	160
373215M	15	31.3	28.3	7.0	9.4	200	118	10	160
373216M	16	33.4	30.0	7.2	9.9	208	144	10	60
373217M	17	35.5	31.8	7.7	10.3	226	171	6	60
373218M	18	37.6	32.6	8.2	10.7	237	205	6	60
373219M	19	39.7	33.8	8.8	11.2	248	212	6	60
373221M	21	46.0	40.0	9.0	13.0	290	347	6	54
373222M	22	46.0	40.0	9.0	13.0	290	320	6	54
373224M	24	52.2	46.0	10.0	14.5	323	465	6	54

KT NO.	Size inch	D1 mm	D2 mm	H1 mm	H2 mm	L mm			
373210S	5/16	16.7	16.6	4.6	6.5	140	32	12	384
373212S	3/8	20.8	20.0	5.3	7.3	159	48	12	240
373214S	7/16	23.8	21.8	5.6	7.7	165	60	12	240
373216S	1/2	27.1	24.7	6.4	8.6	178	86	10	160
373218S	9/16	29.2	27.0	6.8	9.0	191	102	10	160
373220S	5/8	33.4	30.0	7.2	9.9	208	146	10	60
373222S	11/16	35.5	31.8	7.7	10.3	226	169	6	60
373224S	3/4	39.7	33.8	8.8	11.2	248	216	6	60
373228S	7/8	46.0	40.0	9.0	13.0	290	364	6	54
373230S	15/16	52.5	46.0	10.0	14.5	323	496	6	54



# Speed Wrench Set



► Teton pouch bag

KT NO.	PC.	Contents		
12107MRN	7	10, 11, 12, 14, 15, 17, 19	0.91	1 / 24
12107MRN01	7	8, 10, 11, 12, 13, 17, 19	0.84	1 / 24
12114MRN	14	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	2.50	1 / 12
12112MRN	12	8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	1.95	1 / 8
12207MRN01	7	8, 10, 11, 12, 13, 17, 19	0.91	1 / 24
12207MRN02	7	8, 10, 12, 13, 14, 17, 19	0.97	1 / 16
12214MRN	14	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24	2.50	1 / 12
12212MRN	12	8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 24	2.06	1 / 8
12207SRN	7	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	0.91	1 / 24

## 13113MR

Blow case size (mm) :  
303 x 228 x 50 (1.35 Cuft)

## 13213MR



13113MR



13213MR

13  
PC.

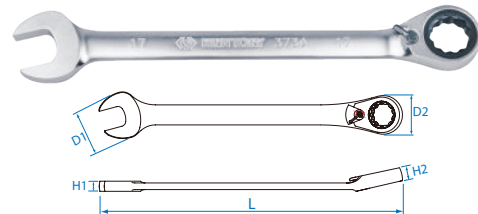
KT NO.	Contents		
13113MR	8, 10, 12, 13, 14, 16, 17, 18, 19	1.64	1 / 8
13213MR	373202H, 373202R, 373203R, 373204R		

# Ringstop Speed Wrench

KT No. & D1

## 373AM

- Ringstop function
- Open end and ratchet ring - wrench
- 5° gear action (72 teeth)
- Reversible
- Take - up : 13°
- Chrome vanadium alloy steel
- Chrome plated

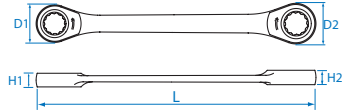


KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm		
373A08M	8	16.7	16.6	4.6	6.5	140	20	12 / 384
373A10M	10	20.8	20.0	5.3	7.3	159	40	12 / 240
373A11M	11	23.0	21.8	5.6	7.7	165	60	12 / 240
373A12M	12	25.0	22.7	6.0	8.2	172	75	12 / 240
373A13M	13	27.1	24.7	6.4	8.6	178	95	10 / 160
373A14M	14	29.2	27.0	6.8	9.0	191	110	10 / 160
373A17M	17	35.5	31.8	7.7	10.3	226	175	6 / 60
373A19M	19	39.7	33.8	8.8	11.2	248	220	6 / 60

# Double End Speed Wrench

## 3736M

- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated

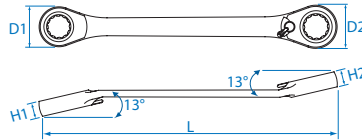


KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm		
37360809M	8 x 9	16.8	20.2	6.5	6.9	128	42	10 / 320
37361011M	10 x 11	20.2	21.8	7.3	7.7	150	61	10 / 200
37361013M	10 x 13	20.2	24.8	7.3	8.6	150	75	10 / 200
37361213M	12 x 13	23.0	24.8	8.2	8.6	170	88	10 / 200
37361415M	14 x 15	26.5	29.5	9.0	9.4	190	126	10 / 160
37361618M	16 x 18	29.5	33.5	9.9	10.7	210	182	10 / 120
37361719M	17 x 19	31.5	33.5	10.3	11.2	230	206	10 / 120

# Double End Speed Wrench & Set

## 3737M

- 5° gear action (72 teeth)
- Reversible
- Take-up :13°
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm		
37370607M	6 x 7	14.2	17.2	6.3	6.5	115	32	10 / 320
37370809M	8 x 9	16.8	20.2	6.5	6.9	128	42	10 / 320
37371011M	10 x 11	20.2	21.8	7.3	7.7	150	59	10 / 200
37371213M	12 x 13	23.0	24.8	8.2	8.6	170	87	10 / 200
37371415M	14 x 15	26.5	29.5	9.0	9.4	190	127	10 / 160
37371618M	16 x 18	29.5	33.5	9.9	10.7	210	178	10 / 120
37371719M	17 x 19	31.5	33.5	10.3	11.2	230	197	10 / 120
37372123M	21 x 23	40.0	46.0	13	14.5	260	413	8 / 64
37372224M	22 x 24	40.0	46.0	13	14.5	260	385	8 / 64



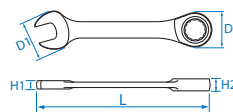
► Color box

KT NO.	PC.	Contents	Package		
12706MR	6	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19	Color box	0.72	1 / 16

# Stubby Speed Wrench & Set

## 3738M

- Open-ended and ratchet ring-wrench
- 5° gear action (72 teeth)
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm		
373810M	10	22.0	21.5	4.6	7.6	95	47	15 / 360
373811M	11	23.8	23.0	5.1	8.0	103	55	15 / 360
373812M	12	26.0	24.8	5.3	8.5	106	65	15 / 360
373813M	13	27.5	26.1	5.6	8.7	108	75	15 / 360
373814M	14	30.5	27.6	6.0	9.3	115	88	15 / 360
373815M	15	31.8	29.2	6.3	9.9	119	104	15 / 360
373816M	16	34.0	30.9	6.5	10.0	123	111	10 / 200
373819M	19	40.2	35.5	8.0	11.7	139	183	10 / 120

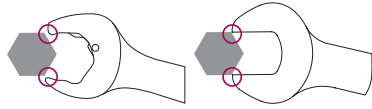
# Open-side Speed Wrench & Set

KT No. & D1

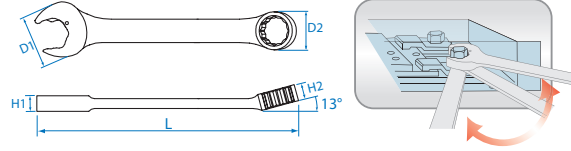


## 3721M

- Open-side speed wrench
- Torque rating exceeds ANSI specifications by 30% plus
- The special ratcheting open end design will not slip off the screw when torque is applied
- Chrome vanadium alloy steel
- Chrome plated



## 3721S



KT NO.	Size mm	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	kg	PC.
372108M	8	17.8	13.3	5.0	6.0	136	38	12	384
372111M	11	25.4	17.5	6.6	7.4	168	68	12	288
372112M	12	26.3	19.2	7.5	7.9	174	83	12	288
372113M	13	28.2	20.3	7.9	8.6	180	100	10	240
372114M	14	31.5	21.3	8.5	9.2	193	123	10	120
372115M	15	32.8	23.6	8.5	9.7	200	143	10	120
372116M	16	34.9	23.6	9.0	10.8	207	171	10	120
372117M	17	37.4	28.1	9.5	10.9	227	191	10	100
372118M	18	39.0	28.0	9.8	11.2	239	220	10	100
372119M	19	41.2	29.3	9.8	12.2	250	250	6	60

KT NO.	Size inch	D1 mm	D2 mm	H1 mm	H2 mm	L mm	g	kg	PC.
372110S	5/16	17.8	13.3	5.0	6.0	136	38	12	384
372112S	3/8	22.2	16.6	6.0	7.2	161	59	12	288
372114S	7/16	25.4	17.5	6.6	7.4	168	68	12	288
372116S	1/2	28.2	20.3	7.9	8.6	180	97	10	240
372118S	9/16	31.5	21.3	8.5	9.2	193	120	10	120
372120S	5/8	34.9	25.6	9.0	10.8	207	163	10	120
372122S	11/16	37.4	28.1	9.5	10.9	227	184	10	100
372124S	3/4	41.2	29.3	9.8	12.2	250	246	6	60



► Teton pouch bag

KT NO.	PC.	Contents	g	kg
14108SRN	8	3721S 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	1.11	1 / 16

# Speed Wrench Adapter

## 3732H / 3732R

KT NO.	Apply to speed wrench	Function
373202H		10 mm 1/4" Bit
373202R		10 mm 1/4" drive
373203R		13 mm 3/8" drive
373225H		13 mm 5/16" Bit
373204R		19 mm 1/2" drive

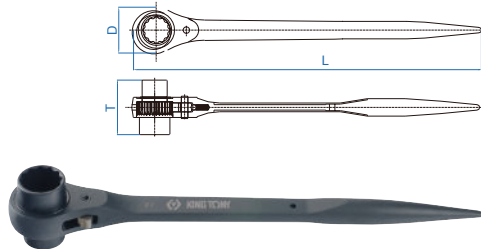


WRENCHES

# Podger Ratchet Wrench

1500

- Double sizes ratchet head
- Reversible switch for tightening and loosening the screw
- Taper end bar
- For scaffolding construction work
- 32 teeth



KT NO.	mm	T mm	D mm	L mm	g	kg	PC.
15001012P	10 x 12	38	31	241	209.4	2	120
15001113P	11 x 13	38	31	241	209.4	2	120
15001214P	12 x 14	38	31	241	220	2	120
15001317P	13 x 17	45	34	280	280	2	90
15001415P	14 x 15	45	34	280	280	2	90
15001417P	14 x 17	45	34	280	280	2	90
15001719P	17 x 19	50	42	320	506	2	40
15001721P	17 x 21	50	42	320	506	2	40
15001921P	19 x 21	50	42	320	506	2	40
15001922P	19 x 22	50	42	320	506	2	40
15001924P	19 x 24	56	51.5	365	820	2	24
15002123P	21 x 23	56	51.5	365	820	2	24
15002224P	22 x 24	56	51.5	365	830	2	24
15002326P	23 x 26	56	51.5	365	830	2	24
15002427P	24 x 27	56	51.5	365	830	2	24
15002430P	24 x 30	63	61.5	402	1150	2	16
15002632P	26 x 32	63	61.5	402	1150	2	16
15002730P	27 x 30	63	61.5	402	1150	2	16
15002732P	27 x 32	63	61.5	402	1150	2	16
15003032P	30 x 32	63	61.5	402	1150	2	16
15003236P	32 x 36	67	67	450	1525	2	8
15003638P	36 x 38	67	67	450	1525	2	8
15003641P	36 x 41	67	67	450	1525	2	8
15003841P	38 x 41	67	67	450	1470	2	8



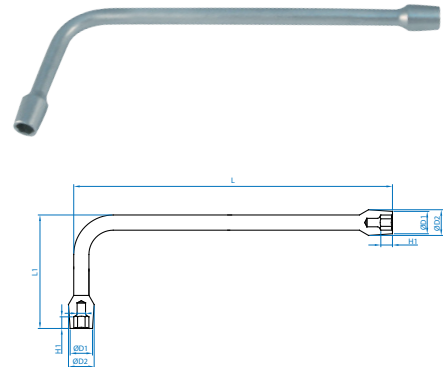
# Angled Socket Wrench & Set

1084

5084



- Conic profile and thin walled
- Convenient to facilitate the force-depth objects
- Chrome plated



KT NO.	mm	D1 mm	D2 mm	H1 mm	L1 mm	L mm	g	kg	PC.
1084-08	8	12.5	14.0	10	88	230	152	12	48
1084-09	9	14.0	15.5	10	88	230	153	12	48
1084-10	10	15.0	16.5	10	88	230	187	10	40
1084-11	11	16.0	17.5	11	88	230	192	10	40
1084-12	12	17.4	19.5	12	98	245	298	6	30
1084-13	13	18.9	21.0	12	98	245	313	6	30
1084-14	14	19.8	22.0	12	98	260	332	6	24
1084-15	15	21.7	24.0	13	98	260	344	6	24
1084-16	16	22.2	24.5	13	98	260	350	6	24
1084-17	17	24.5	27.0	14	98	260	475	6	24
1084-18	18	25.5	28.0	15	98	260	484	6	24
1084-19	19	27.1	30.0	15	98	260	588	6	24

KT NO.	inch	D1 mm	D2 mm	H1 mm	L1 mm	L mm	g	kg	PC.
5084-16	1/2	18.9	21.0	23	12	245	315	6	30
5084-18	9/16	19.8	22.0	23	12	260	338	6	24



► Nylon pouch bag

KT NO.	PC.	Contents	kg	PC.
1839MR	9	8, 10, 11, 12, 13, 14, 15, 17, 19	3.2	1 / 6
1842MR	12	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	4.2	1 / 6

# Angled Socket Wrench & Set

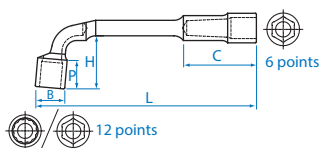
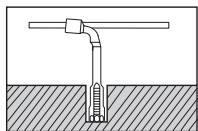
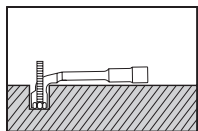
1080



1081



- Angle and through-hole design
- Deep concave at one side and open end socket at the other, easily fit over protruding studs
- Chrome plated
- ISO 2236



KT NO.	mm	B mm	P mm	H mm	C mm	L mm	g	kg
1080-06	6	11.0	7.0	18.5	29	110	43	12 / 240
1080-07	7	11.5	8.0	21.0	30.5	114	57	12 / 240
1080-08	8	13.0	10.0	21.5	30	120	68	12 / 216
1080-09	9	14.0	10.0	22.0	33	125	85	12 / 216
1080-10	10	15.0	11.0	25.5	35	131	102	6 / 60
1080-11	11	16.5	12.0	26.5	37	137	125	6 / 60
1080-12	12	17.5	12.0	27.0	40	144	143	6 / 60
1080-13	13	19.0	14.0	30.0	47	152.5	173	6 / 60
1080-14	14	20.0	14.0	33.0	48	160	191	6 / 60
1080-15	15	21.5	15.0	35.0	50	174	236	6 / 60
1080-16	16	22.5	17.0	39.5	54	185	281	6 / 60
1080-17	17	24.0	18.0	39.5	56	197	314	6 / 60
1080-18	18	25.0	19.5	42.0	58	211	336	4 / 40
1080-19	19	26.5	20.5	45.0	62	218	374	4 / 40
1080-20	20	27.5	21.5	45.0	63	222	445	2 / 20
1080-21	21	29.0	23.5	49.0	65	231	488	2 / 20
1080-22	22	30.0	23.5	49.0	67	247	537	2 / 16
1080-23	23	31.5	24.5	54.0	74	255	600	2 / 16
1080-24	24	32.5	25.5	56.0	77	266	657	2 / 16
1080-25	25	34.0	25.5	58.0	79	278	692	2 / 16
1080-26	26	35.0	25.5	59.0	80	289	863	2 / 16
1080-27	27	36.5	27.5	59.0	84	299	942	2 / 16
1080-28	28	37.5	27.5	60.0	86	310	1080	2 / 16
1080-29	29	39.0	28.5	62.0	90	319	1167	2 / 16
1080-30	30	40.0	28.5	65.0	93	332	1194	2 / 12
1080-32	32	42.5	28.5	69.0	95	353	1355	2 / 12

KT NO.	mm	B mm	P mm	H mm	C mm	L mm	g	kg
1081-06	6	11.0	7.0	18.5	29	110	44	12 / 240
1081-07	7	11.5	8.0	21.0	30.5	114	54	12 / 240
1081-08	8	13.0	10.0	21.5	30	120	69	12 / 216
1081-09	9	14.0	10.0	22.0	33	125	88	12 / 216
1081-10	10	15.0	11.0	25.5	35	131	105	6 / 60
1081-11	11	16.5	12.0	26.5	37	137	132	6 / 60
1081-12	12	17.5	12.0	27.0	40	144	148	6 / 60
1081-13	13	19.0	14.0	30.0	47	152.5	178	6 / 60
1081-14	14	20.0	14.0	33.0	48	160	185	6 / 60
1081-15	15	21.5	15.0	35.0	50	174	245	6 / 60
1081-16	16	22.5	17.0	39.5	54	185	285	6 / 60
1081-17	17	24.0	18.0	39.5	56	197	315	6 / 60
1081-18	18	25.0	19.5	42.0	58	211	355	4 / 40
1081-19	19	26.5	20.5	45.0	62	218	425	4 / 40
1081-20	20	27.5	21.5	45.0	63	222	441	2 / 20
1081-21	21	29.0	23.5	49.0	65	231	483	2 / 20
1081-22	22	30.0	23.5	49.0	67	247	589	2 / 16
1081-23	23	31.5	24.5	54.0	74	255	661	2 / 16
1081-24	24	32.5	25.5	56.0	77	266	658	2 / 16
1081-25	25	34.0	25.5	58.0	79	278	798	2 / 16
1081-26	26	35.0	25.5	59.0	80	289	825	2 / 16
1081-27	27	36.5	27.5	59.0	84	299	914	2 / 16
1081-28	28	37.5	27.5	60.0	86	310	1005	2 / 16
1081-29	29	39.0	28.5	62.0	90	319	1161	2 / 16
1081-30	30	40.0	28.5	65.0	93	332	1214	2 / 12
1081-32	32	42.5	28.5	69.0	95	353	1362	2 / 12



► MRN / SRN : Teton pouch bag



► MR / SR : Nylon pouch bag



► Color box



KT NO.	PC.	Contents	Package	kg	kg
1805MR	5	10, 11, 13, 14, 17	Color box	1.12	1 / 22
1808MR	8	8, 10, 11, 12, 13, 14, 17, 19	Nylon	1.73	1 / 18
1812MR	12	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	Nylon	3.38	1 / 4
1826MR	26	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Color box	14.0	1 / 2
1912MR	12	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	Nylon	3.38	1 / 4
1912MRN	12	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24	Teton	3.38	1 / 4
1926MR	26	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	Color box	15.0	1 / 2



WRENCHES

# Adjustable Wrench

## 3611

- Chrome vanadium alloy steel
- Polish, phosphate & chrome plated
- DIN 3117



3611R



3611HR



3611P



3611HP

KT NO.	mm	H1 mm	L mm	g	Box
3611-04R	14	4.3	109	91	12 / 108
3611-06R	20	7	150	136	12 / 108
3611-08R	25	8	200	245	12 / 48
3611-10R	30	11	250	415	10 / 60
3611-12R	35	13	300	713	5 / 40
3611-06P	20	7	150	127	12 / 108
3611-08P	25	8	200	246	12 / 48
3611-10P	30	11	250	415	10 / 60
3611-12P	35	13	300	691	5 / 40

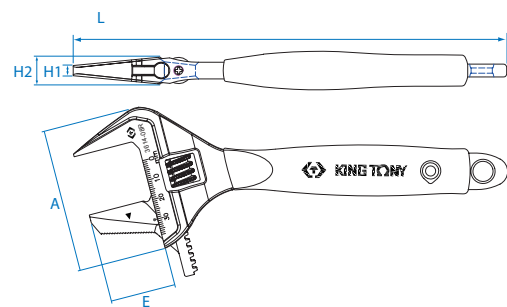


KT NO.	mm	H1 mm	L mm	g	Box
3611-15HR	43	13	365	1351	1 / 20
3611-18HR	52	18	450	1877	1 / 6
3611-24HR	62	23	600	3720	1 / 6
3611-15HP	43	13	365	1348	1 / 20
3611-18HP	52	18	450	1750	1 / 6
3611-24HP	62	23	600	3669	1 / 6

# Reversible Jaw Adjustable Wrench

## 3614-08R

- Chrome vanadium alloy steel
- Dual function wide jaws can be used as an adjustable wrench or pipe Wrench. On one side, the jaw is flat for traditional usage to avoid damaging the parts.
- On the other side, the jaw is finely serrated for powerful tightening on tubes and other parts requiring strong grip and high torque.
- Super wide jaw opening, 50% wider than regular adjustable wrenches
- Deep throat, 30% longer jaws than traditional adjustable wrenches
- Screw pin with front side metric or SAE scale
- 15°, perfectly matched knurl and teeth of jaw for smooth running
- TPR handle with end hole button



KT NO.	mm	A mm	E mm	H1 mm	H2 mm	L mm	g	Box
3614-08R	38	69	32.4	5.7	13.9	212	298.6	4 / 40

# Ratcheting Adjustable Wrench

## 3631-10R

- Chrome vanadium alloy steel
- Magic button to switch ratchet function on/ off
- Wider jaw opening, comfortable & durability
- Excellent in each movement of knurl, tension enhanced and precise
- Patented, more than 130% of ASME standard



KT NO.	mm	Overall length mm	g	Box
3631-10R	32	257	470	6 / 36

# Double Sides Self-Adjusting Wrench

3616-10

- Self-locking function grip, ideal for fastener 8~32mm
- Anti-slip teeth effective on worn screws
- Slim jaw allows for working in confined area
- Multi-purpose to all shape of fastener

- Spline 12 points
- Square
- Torx
- Hexagon
- 70% Rounded bolt



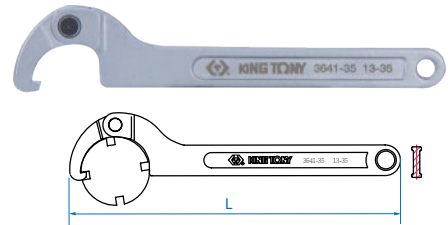
KT NO.	Capacity mm		
3616-10	8~17 14~32	466	6 / 36

# Adjustable Hook Spanner Wrench

3641

- The joint is equipped with a spring washer to ensure smooth and reliable operation
- Chrome vanadium alloy steel

KT NO.	Capacity mm	L		
3641-35	13-35	174	104	12 / 144
3641-50	35-50	212	170	12 / 108
3641-80	50-80	285	395	10 / 60
3641-C0	80-120	348	689	5 / 30
3641-I0	120-180	480	1554	4 / 16



# Chain Wrench

3204

- Chain wrench for oil filter



KT NO.	Overall length inch	mm	Capacity(M) mm		
3204	8-3/4	225	∅ 60~140	411	50

# Strap Wrench

3203

- Strap wrench for oil filter



KT NO.	Overall length inch	mm	Capacity(M) mm		
3203	8-3/4	223	∅ 60~140	276	50
320300		Strap		46	80
3203A0	8-3/4	223	∅ 60~260	300	45
320301		Strap		73	80

320670

- Aluminum alloy handle and strong nylon strap for tight grip
- Suitable for oil filter or any polished pipe



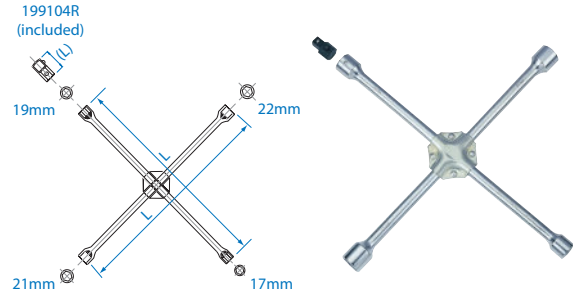
KT NO.	Overall Length inch	mm	Capacity mm		
320670	12	295	∅ 60~180	343.8	25 / 50
320600		Nylon strap		34.6	25 / 50

# Wheel Nut Wrench

## 1991

- For most car wheel nuts in metric
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3119, ISO 6788

KT NO.	inch	mm	L mm	g	mm	Box
19911722	1/2	17, 19, 21, 22	400	1700	6	
199104R	1/2	19	34	84	10 / 240	

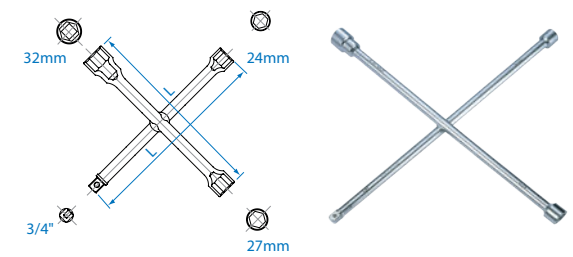


## 1993

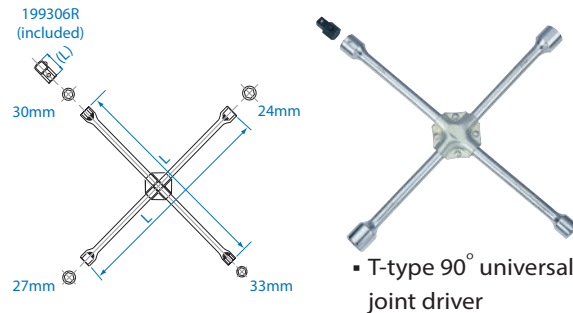
- Designed for removing wheel nuts on cars and heavy vehicles
- Replaceable bit on wrenches featuring a square drive
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	inch	mm	L mm	g	mm	Box
19932427	3/4	24, 27, 32	700	4333	4	



KT NO.	inch	mm	L mm	g	mm	Box
19932433	3/4	24, 27, 30, 33	700	5.02	2	
199306R	3/4	30	48	0.21	-	



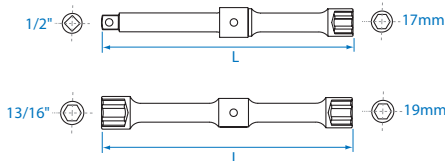
- T-type 90° universal joint driver

# Assembling Wheel Nut Wrench

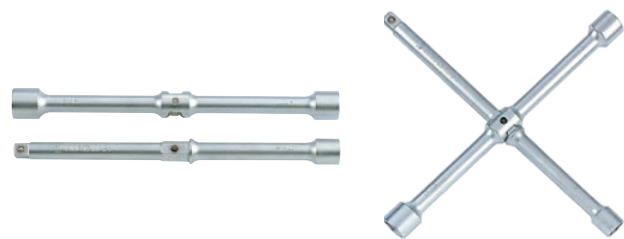
## 1996

PAT. 192461

- For most car wheel nuts in metric
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	inch	inch	mm	L mm	g	mm	Box
19961721	13/16	1/2	17, 19	300	1100	20	





# Double-End Truck Wrench & Set

1999

1999R

1999A

- Chrome vanadium alloy steel
- Chrome plated



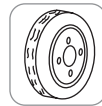
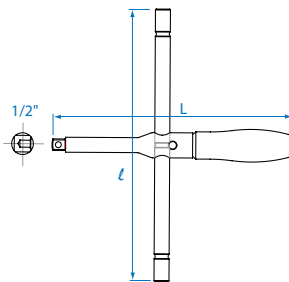
Wrench KT NO.	Size mm	∅ mm	Overall length mm	Tommy Bar KT NO.	Overall length mm	Set KT NO.		
19991921	19 x 21	∅16	300	19980016	300	19991921A	1183	1 / 20
19992224	22 x 24	∅19	400	199920R	400	19992224A	2330	1 / 8
19992427	24 x 27	∅19	400	199920R	400	19992427A	2673	1 / 8
19992432	24 x 32	∅19	400	199920R	400	19992432A	2360	1 / 8
19992730	27 x 30	∅19	400	199920R	400	19992730A	2740	1 / 8
19992732	27 x 32	∅19	400	199920R	400	19992732A	2762	1 / 8
19992733	27 x 33	∅19	400	199920R	400	19992733A	2796	1 / 8
19992833	28 x 33	∅19	400	199920R	400	19992833A	2440	1 / 8
19993032	30 x 32	∅19	400	199920R	400	19993032A	2853	1 / 8
19993233	32 x 33	∅19	400	199920R	400	19993233A	2875	1 / 8
19993238	32 x 38	∅19	400	199920R	400	19993238A	3055	1 / 4
19993821	○ 38 x □ 21 SQ.	∅25	400	199925R	595	19993821A	3794	3
19993822	○ 38 x □ 22 SQ.	∅25	400	199925R	595	19993822A	3794	3
19994121L	○ 41 x □ 21 SQ.	∅25	450	199925R	595	19994121LA	4074	3

# T-Spin Lug Wrench Set

4503MR

4506MR

- Fast spinning action extension wrench
- Reach deep area with soft grip handle
- Suitable for passenger vehicles



4 PC.



4503MR



6 PC.



4506MR



KT NO.	Size	l mm	L mm		
4503MR	■ 1/2"	300	265	1.36	10
	○  19, 21 mm 4335MR				
4506MR	■ 1/2"	300	265	1.56	10
	○  17, 19, 21, 23 mm 4335MR				

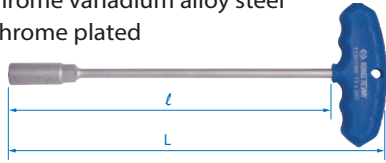


WRENCHES

# T-type Deep Socket Wrench

## 115HM

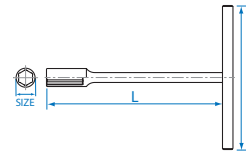
- Shank material - chrome vanadium alloy steel
- Shank finishing - chrome plated
- Grip material - PP



KT NO.	Size mm	ℓ mm	L mm	g	Box
115H05M-10	5	260	300	127	12 / 96
115H06M-10	6	260	300	147	12 / 96
115H07M-10	7	260	300	162	12 / 96
115H08M-10	8	260	300	158	12 / 96
115H09M-10	9	260	300	161	12 / 96
115H10M-10	10	260	300	170	12 / 96
115H11M-10	11	260	300	203	12 / 96
115H12M-10	12	260	300	205	12 / 96
115H13M-10	13	260	300	205	12 / 96
115H08M-14	8	350	394	212	10 / 60
115H10M-14	10	350	394	221	10 / 60
115H13M-14	13	350	394	233	8 / 32

## 1184M

- T-shaped deep socket wrench
- Chrome vanadium alloy steel
- DIN 475

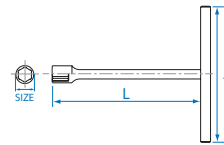


KT NO.	Size mm	ℓ mm	L mm	g	Box
118406M	6	120	190	59	10 / 40
118407M	7	120	190	77	10 / 40
118408M	8	200	300	306	10 / 60
118409M	9	200	300	306	10 / 60
118410M	10	200	300	317	10 / 60
118411M	11	200	300	323	10 / 60
118412M	12	200	300	326	10 / 60
118413M	13	200	300	333	10 / 60
118414M	14	200	300	344	10 / 60
118417M	17	250	300	599	6 / 36

# T-type Standard Socket Wrench

## 1185M

- T-shaped standard socket wrench
- Chrome vanadium alloy steel
- DIN 475



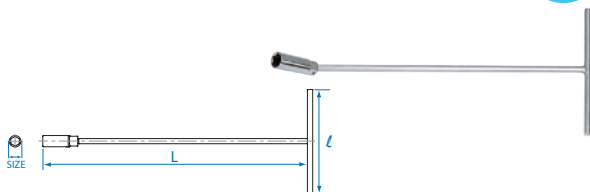
KT NO.	Size mm	ℓ mm	L mm	g	Box
118508M	8	200	250	186	10 / 100
118509M	9	200	250	230	10 / 100
118510M	10	200	250	230	10 / 100
118511M	11	200	250	234	10 / 100
118512M	12	250	250	390	10 / 60

KT NO.	Size mm	ℓ mm	L mm	g	Box
118513M	13	250	300	425	10 / 60
118514M	14	250	300	429	10 / 60
118517M	17	300	360	710	6 / 36
118519M	19	300	360	727	6 / 36

# T-type Spark Plug Socket

## 1563

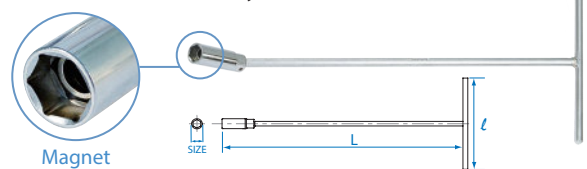
- T-type 25° universal spark plug socket (rubber)
- Chrome vanadium alloy steel



KT NO.	Size mm	ℓ mm	L mm	g	Box
15631612	16	200	300	363	10 / 40
15631615	16	200	385	400	10 / 40
15631618	16	200	460	450	10 / 40
15631818	18	200	460	450	10 / 40
15632112	21	200	300	388	10 / 40
15632115	21	200	385	438	10 / 40
15632118	21	200	460	488	10 / 40

## 1566

- T-type 25° universal spark plug socket with magnet
- Chrome vanadium alloy steel

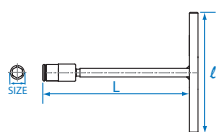


KT NO.	Size mm	ℓ mm	L mm	g	Box
15661615	16	200	385	420	10 / 40
15661618	16	200	460	460	10 / 40
15661818	18	200	460	450	10 / 40
15662112	21	200	300	420	10 / 40
15662115	21	200	385	460	10 / 40

# T-type Universal Standard Socket Wrench

## 5722M

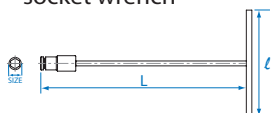
- T-type 25° universal standard socket wrench



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
572210M	10	150	170	400	10 / 60
572212M	12	150	170	400	10 / 60

## 5742M

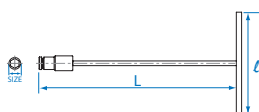
- T-type 25° universal standard socket wrench



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
574208M	8	200	320	328	10 / 40
574212M	12	200	320	332	10 / 40
574213M	13	200	320	333	10 / 40
574214M	14	200	320	335	10 / 40
574217M	17	200	320	340	10 / 40

## 5752M

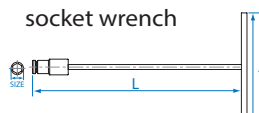
- T-type 25° universal standard socket wrench



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
575208M	8	200	450	427	10 / 40
575210M	10	200	450	430	10 / 40
575212M	12	200	450	432	10 / 40
575213M	13	200	450	433	10 / 40
575214M	14	200	450	435	10 / 40
575217M	17	200	450	440	10 / 40

## 5762M

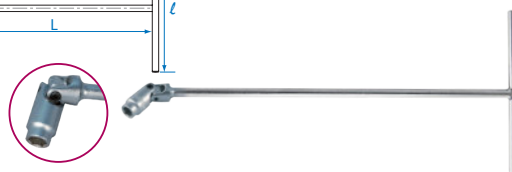
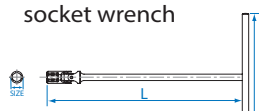
- T-type 25° universal standard socket wrench



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
576208M	8	200	600	519	10 / 40
576210M	10	200	600	520	10 / 40
576212M	12	200	600	522	10 / 40
576213M	13	200	600	523	10 / 40
576214M	14	200	600	525	10 / 40
576217M	17	200	600	540	10 / 40

## 5772M

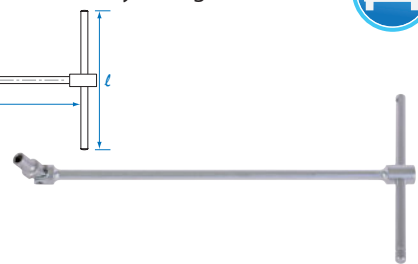
- T-type 90° universal standard socket wrench



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
577208M	8	200	400	425	10 / 40
577210M	10	200	400	425	10 / 40
577212M	12	200	400	425	10 / 40
577213M	13	200	450	425	10 / 40
577214M	14	200	450	425	10 / 40
577217M	17	200	450	425	10 / 40

## 5774M

- T-type 90° universal standard socket wrench
- 2 PC. sliding handle for easy storage



KT NO.	Size mm	l mm	L mm	Weight (g)	Packing
577406M	6	200	390	420	10 / 30
577407M	7	200	390	420	10 / 30
577408M	8	200	390	420	10 / 30
577409M	9	200	390	420	10 / 30
577410M	10	200	500	480	10 / 30
577411M	11	200	500	480	10 / 30
577412M	12	200	500	480	10 / 30
577413M	13	200	500	480	10 / 30
577414M	14	200	500	500	10 / 30
577415M	15	200	500	500	10 / 30
577416M	16	200	500	500	10 / 30
577417M	17	200	500	500	10 / 30
577418M	18	200	500	500	10 / 30
577419M	19	200	500	500	10 / 30



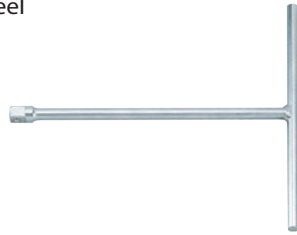
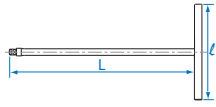
# T-shaped Driver

- Chrome vanadium alloy steel
- Chrome plated

## 3511

### 3/8"

- Chrome vanadium alloy steel



KT NO.	ℓ mm	L mm		
3511-06	170	268	324	5 / 30
3511-10	250	268	383	6 / 30

## 4795

### 1/2"

- T-type 90° universal joint driver
- Chrome vanadium alloy steel

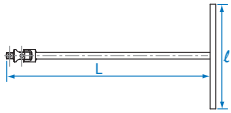


KT NO.	ℓ mm	L mm		
4795-18	200	460	567	10 / 30
4795-36	200	900	1000	10 / 20

## 3795

### 3/8"

- T-type 90° universal joint driver
- Chrome vanadium alloy steel

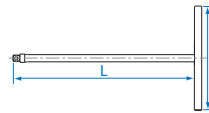


KT NO.	ℓ mm	L mm		
3795-15	200	375	375	10 / 40
3795-18	200	455	425	10 / 40
3795-24	200	600	500	10 / 40
3795-30	200	750	600	10 / 30

## 4511

### 1/2"

- Chrome vanadium alloy steel

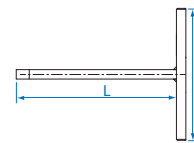


KT NO.	ℓ mm	L mm		
4511-06	170	268	396	5 / 30
4511-10	250	268	463	6 / 30

## 21A107

- Applied with power bit

KT NO.	Size inch	ℓ mm	L mm		
21A107	1/4	150	175	194	10 / 60





WRENCHES

# PLIERS ▶







# CUTTING EDGES TECHNICAL BASICS

## High performance for cutting

A greater hardness at the edge makes it very sharp and easy to cut. Wear-resistant design is for different purposes pliers and cutters. Our high leverage combination pliers quality is tested by cutting piano wire with sharp performance.

Over 2000 times cutting result for 1.6mm piano wire (2200N/mm<sup>2</sup>, HRC48)

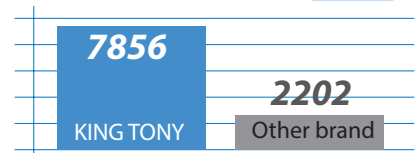


King Tony Brand:  
Wore down 0.19mm (good)



Other Brand:  
Wore down 0.33mm (not good)

Exceed other brands **356%**



KING TONY combination pliers are sharp and triple of its life for cutting than others.

### CUTTING EDGE SHAPES



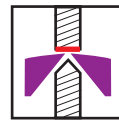
With bevel (outside bevel)



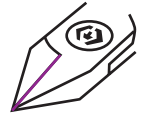
With very small bevel (outside bevel)



With small bevel (outside bevel)



Without bevel (outside bevel)



### WIRE CLASSES



Soft wire



Hard wire

Spring wire / Steel nail



Medium hard wire



Piano wire



### TECHNICAL BASICS



Thin serrated



Coarse serrated



With opening spring



### JAWS TYPES



Round jaws



Half-round jaws



Flat & point jaws



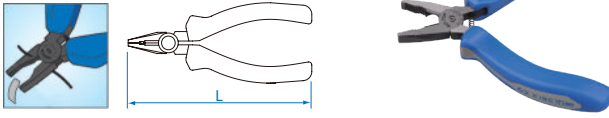


## Combination Pliers

• Grip material - PP + TPR / item no. with "C" is made of PVC

### 6114

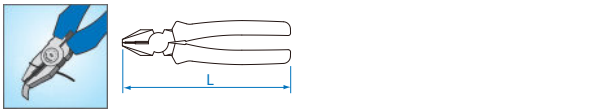
- Mini type
- DIN ISO 5746



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	3.0	2.0	87	8 / 160			
6114-05	5	122	3.0	2.0	87	8 / 160			

### 6111

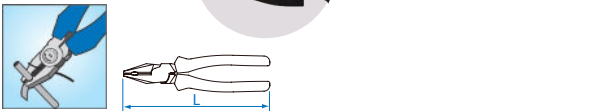
- European type
- Polished head
- DIN ISO 5746



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	4.0	3.0	2.0	1.6			
6111-06	6-1/2	163	4.0	3.0	2.0	1.6	220	8 / 96	
6111-07	7-1/2	188	4.0	3.0	2.0	1.6	294	8 / 48	
6111-08	8-1/4	213	4.0	3.0	2.0	1.6	396	8 / 48	

### 6112

- Hi-leverage type
- Polished head



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	4.0	3.0	2.2	2.0			
6112-09	9	232	4.0	3.0	2.2	2.0	395	6 / 60	

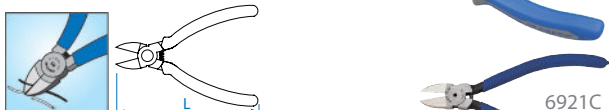
## Plastic Pliers



In order to get a normal product life of pliers, do not cut steel wire.

### 6921

- European type
- Polished head

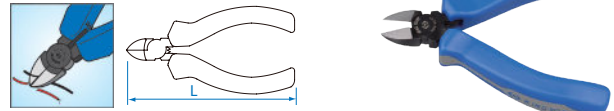


KT NO.	L		g	/	/
	inch	mm			
6921-05	5	132	106	6 / 120	
6921-06	6	155	171	6 / 72	
6921-07	7	178	268	6 / 60	
6921-05C	5	132	91	6 / 120	
6921-06C	6	155	140	8 / 96	
6921-07C	7	178	220	6 / 60	

## Diagonal Pliers

### 6214

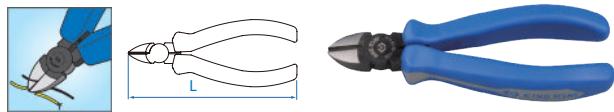
- Mini type



KT NO.	L		Max. mm ∅ mm	g	/	/
	inch	mm				
6214-45	4-1/2	115	0.6	83	8 / 160	
6214-05	5	127	1.25	94	8 / 160	

### 6211

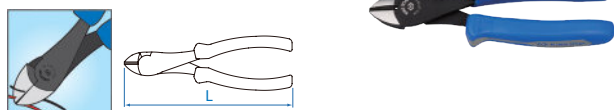
- European type
- DIN 5749



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	4.0	2.8	2.0	1.6			
6211-06	6-1/2	163	4.0	2.8	2.0	1.6	194	8 / 96	

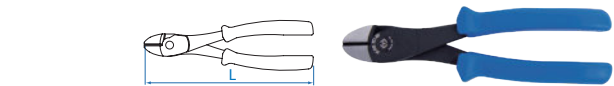
### 6231

- Heavy duty type
- DIN ISO 5749



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	4.0	3.0	2.2	2.0			
6231-07	7-1/2	188	4.0	3.0	2.2	2.0	243	8 / 80	

### 6232



KT NO.	L		Cutting capacities				g	/	/
	inch	mm	5.0	3.5	2.2	2.0			
6232-08	8	200	5.0	3.5	2.2	2.0	285	8 / 80	

### 6213

- Japanese type



KT NO.	L		Cutting capacities ∅ mm	Wire stripper mm	g	/	/
	inch	mm					
6213-06	6-1/2	163	1.25	1.4 / 1.6	175	8 / 96	



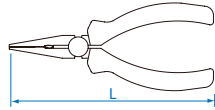
## Long Nose Pliers

• Grip material - PP + TPR / item no. with "C" is made of PVC

**6314**



- Mini type
- DIN ISO 5745

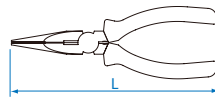


KT NO.	inch	L mm	Cutting capacities $\overline{\varnothing}$ mm				g	kg	/
			3.0	2.0	1.6	94			
6314-05	5-1/2	140	3.0	2.0	1.6	94	8	/ 160	

**6311**



- European type
- DIN ISO 5745

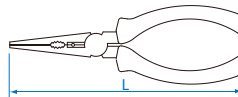


KT NO.	inch	L mm	Cutting capacities $\overline{\varnothing}$ mm				g	kg	/
			4.0	2.8	1.8	1.6			
6311-06	6-1/2	164	4.0	2.8	1.8	155	10	/ 120	
6311-08	8	200	4.0	3.0	2.0	220	8	/ 80	

**6313**



- Japanese type
- DIN ISO 5745



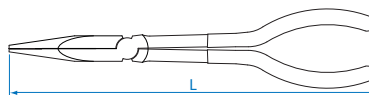
KT NO.	inch	L mm	Cutting capacities $\overline{\varnothing}$ mm				g	kg	/
			4.0	2.8	1.8	1.6			
6313-06	6-1/2	169	4.0	2.8	1.8	146	10	/ 120	

## Extra Long Nose Pliers

**6319**



- Slim jaws design for gripping components in recessed areas



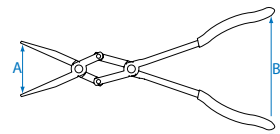
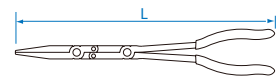
KT NO.	inch	L mm	g	kg	/
6319-11C	11	280	292	6	/ 48

## Double Joint Nose Pliers

**6329**



- Double joint and slim profile, for working a greater width in a narrow space, even single-handed
- Serrated nose for good grip

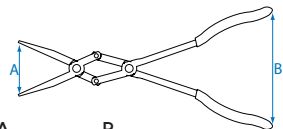
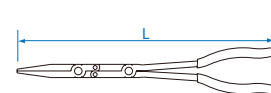


KT NO.	inch	L mm	A Up on jaw capacity (mm)	B Grip width (mm)	g	kg	/
6329-13C	13	340	50	110	355	5	/ 40

**6339**



- Double joint and slim profile, for working a greater width in a narrow space, even single-handed
- Serrated nose for good grip



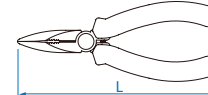
KT NO.	inch	L mm	A Up on jaw capacity (mm)	B Grip width (mm)	g	kg	/
6339-13C	13	335	50	110	369	5	/ 40

## Bent Nose Pliers

**6334**



- Mini type
- DIN ISO 5745



KT NO.	inch	L mm	Cutting capacities $\overline{\varnothing}$ mm			g	kg	/
				3.0	2.0	1.6	95	8 / 160
6334-05	5	127	3.0	2.0	1.6	95	8	/ 160

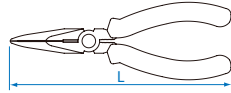
## Bent Nose Pliers

• Grip material - PP + TPR / item no. with "C" is made of PVC

6331



- European type
- DIN ISO 5745



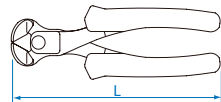
KT NO.	inch	L mm	Cutting capacities				g	kg
			∅ mm	∅ mm	∅ mm	∅ mm		
6331-06	6-1/2	163	4.0	2.8	1.8	1.6	142	10 / 120
6331-08	8	200	4.0	3.0	2.0	1.6	222	8 / 80

## End Cutting Pliers

6411



- European type
- DIN ISO 5748

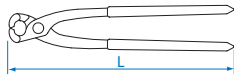


KT NO.	inch	L mm	Cutting capacities				g	kg
			∅ mm	∅ mm	∅ mm	∅ mm		
6411-06	6-1/2	163	4.0	3.0	1.6	1.6	273	8 / 96

6431



- European type
- DIN ISO 9242



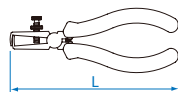
KT NO.	inch	L mm	Cutting capacities		g	kg
			∅ mm	∅ mm		
6431-10C	10	254	2.0	1.6	441	6 / 48
6431-11C	11	278	2.2	1.8	507	6 / 48

## Stripping Pliers

6711



- With spring and adjusting screw



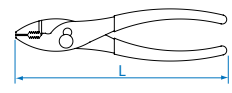
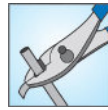
KT NO.	inch	L mm	∅ mm	Wire stripper mm <sup>2</sup>	g	kg

## Slip Joint Pliers

6463



- 2 positions adjustment
- Serrate jaws



KT NO.	inch	L mm	g	kg

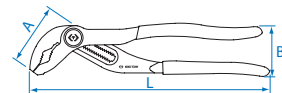
## Groove Joint Pliers

6517

QUICK LOCK



- Quick lock
- Grip material-PVC
- DIN ISO 8976



KT NO.	inch	L mm	mm	A mm	B mm	g	kg
6517-10C	10	250	60	68	56	361	6 / 48
6517-12C	12	310	70	89	73	570	5 / 40

6516



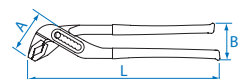
- German type
- 7 positions opening
- DIN ISO 8976



6516-10



6516C



KT NO.	inch	L mm	mm	A mm	B mm	g	kg
6516-10C	10	253	36	58	61	347	8 / 64



PLIERS

# Groove Joint Pliers

**6511**

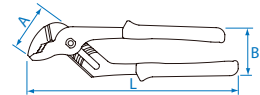
- 7 positions opening
- DIN ISO 8976



6511-10



6511C



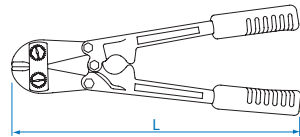
KT NO.	L		mm	mm	A	B	mm	kg	/
	inch	mm							
6511-10	10	253	50	33	50	435	6 / 48		
6511-10C	10	253	50	33	50	400	6 / 48		
6511-13C	13	325	65	43	50	808	2 / 16		
6511-17C	17	425	100	58	55	1150	2 / 12		

# Bolt Cutter

**6131**

GS / TUV

- Chrome vanadium alloy steel
- Center cut



**6131P01**

- Spare blade for 6131
- Center cut



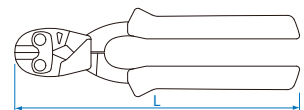
KT NO.	L		Cutting capacity 15°(ø mm) HRC	Cutting capacity 35°(ø mm) HRC	kg	/
	inch	mm				
6131-12	12	300	ø5	ø4	0.74	1 / 20
6131-14	14	350	ø7	ø5	1.04	1 / 20
6131-18	18	450	ø8	ø6	1.45	1 / 12
6131-24	24	600	ø10	ø8	2.32	1 / 10
6131-30	30	750	ø13	ø10	3.74	1 / 6
6131-36	36	900	ø16	ø11	5.50	1 / 5
6131-42	42	1050	ø18	ø13	8.56	1 / 3

KT NO.	Overall length mm	Cutting capacity 15°(ø mm) HRC	Cutting capacity 35°(ø mm) HRC	kg	/
6131-14P01	110 x 65	ø7	ø5	0.40	1 / 40
6131-18P01	125 x 72	ø8	ø6	0.85	1 / 20
6131-24P01	150 x 86	ø10	ø8	0.87	1 / 20
6131-30P01	170 x 97	ø13	ø10	1.25	1 / 10
6131-36P01	190 x 112	ø16	ø11	1.85	1 / 10
6131-42P01	205 x 122	ø18	ø13	3.10	1 / 5

# Compact Bolt Cutter

**6133**

- Heavy duty type
- DIN ISO 5749
- Center cut



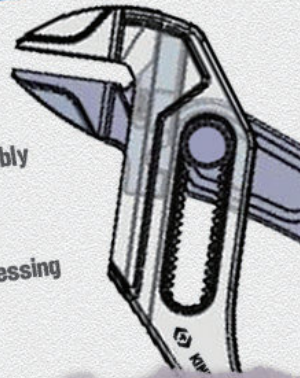
KT NO.	L		Cutting capacities				kg	/
	inch	mm	ø mm	ø mm	ø mm	ø mm		
6133-08	8	200	6.0	5.0	4.0	3.5	399.6	8 / 48

# 6518-10C Pliers Wrench

Suitable for gripping, holding, pressing and bending workpieces  
Strong gripping power, 8:1 great lever transmission

## 8:1 force provide



- Smooth jaws for the gentle assembly of plated fittings .
- Excellent for gripping, holding, pressing and bending work pieces .

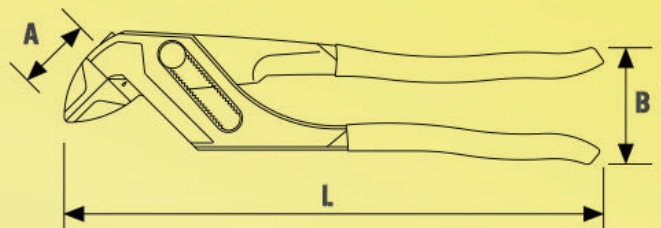


Parallel jaws provide a more solid grip .

17 positions quick lock design with 42mm Max. jaws capacity .

Ratchet function allows quick and easy tighten or release bolts .

KT NO.	inch	L mm	mm	A mm	B mm		
6518-10C	10	266	42	35.5	57	509	4 / 32



# Circlip Pliers

66HS

66HB

66SS

66SB



- Design of hidden spring
- Straight and angled pattern
- High strength of tip
- DIN 5254, DIN 5256



KT NO.	Tips	Overall length		Ø-tips	Capacity Ø mm		
		inch	mm				
66HS-07		7	188	1.8	19~60	176	8 / 48
66HB-07		7	175	1.8	19~60	176	8 / 48
66SS-07		7	188	1.8	19~60	195	8 / 48
66SB-07		7	175	1.8	19~60	195	8 / 48

67HS

67HB

67SS

67SB

68HS

68HB



68SS

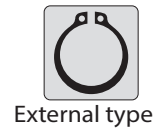
68SB



- For internal retaining rings
- Straight and angled pattern
- DIN 5254, DIN 5256



- For external retaining rings
- Straight and angled pattern
- DIN 5254, DIN 5256



Japanese type

European type

Japanese type

European type



KT NO.	Tips	Overall length		Ø tips	Capacity Ø mm		
		inch	mm				
67HS-07		7	180	1.8	19~60	129	12 / 144
67HB-07		7	180	1.8	19~60	131	12 / 144
68HS-05		5	125	1.3	12~28	83	10 / 80
68HS-07		7	180	1.8	19~60	134	12 / 144
68HS-10		10	250	2.3	40~100	322	8 / 64
68HB-05		5	125	1.3	12~28	94	10 / 80
68HB-07		6-3/4	170	1.8	19~60	131	12 / 144
68HB-10		9-1/2	241	2.3	40~100	317	6 / 48

KT NO.	Tips	Overall length		Ø tips	Capacity Ø mm		
		inch	mm				
67SS-07		7	180	1.8	19~60	151	12 / 144
67SB-07		7	180	1.8	19~60	150	12 / 144
68SS-05		5	125	1.3	12~28	97	10 / 80
68SS-07		7	180	1.8	19~60	154	12 / 144
68SS-10		10	250	2.3	40~100	323	8 / 64
68SB-05		5	125	1.3	12~28	96	10 / 80
68SB-07		6-3/4	170	1.8	19~60	152	12 / 144
68SB-10		9-1/2	241	2.3	40~100	316	6 / 48



PLIERS

# Circlip Pliers

## 65SS

- Design of hidden spring
- DIN 5254 & DIN 5256

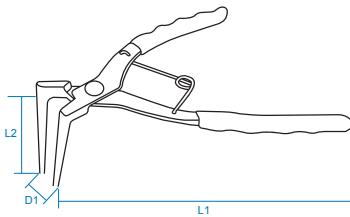


KT NO.	Overall length		Capacity Ø mm	g	kg
	inch	mm			
65SS-07	7	188	19~60	195	8 / 48

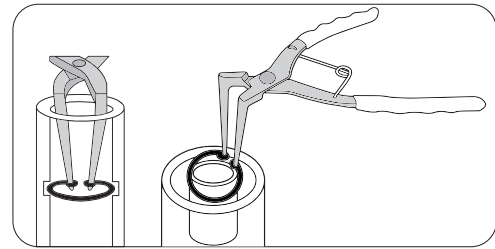


## 68HB-07L

- For removing or installing the intimal retaining rings
- 90 angel and extra long tip design for narrow space



KT NO.	inch	L1	L2	D1	Ø	Capacity Ømm	g	kg
		mm	(mm)	(mm)	tips			
68HB-07L	7	180	56	23	1.3	19~60	222	12 / 48



# Pliers Set



► Nylon pouch bag



► Color box

KT NO.	PC.	Contents				Package	kg	kg
42104GP	4					Nylon	1.17	1 / 18
42104GP01	4					Nylon	1.17	1 / 18
42124GP	4					Nylon	1.48	1 / 18
42124GP01	4					Nylon	1.48	1 / 18
42124GP04	4					Nylon	1.48	1 / 18
42213GP01	3					Color box	1.05	1 / 20

# Circlip Pliers Set

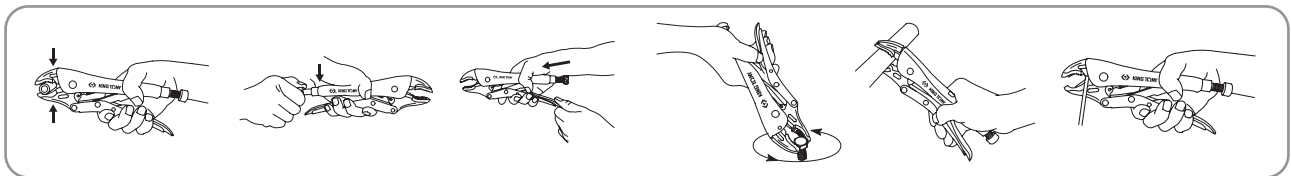
KT NO.	PC.	Contents							
42114GP	4	68HS-07	68SS-07	68HB-07	68SB-07	062	1 / 32		
42154GP	4	66HS-07	66SB-07	66HB-07	66SS-07	0.84	1 / 32		
42116GP	6	68HS-07	68HB-07	68HS-10	68SS-07	68SB-07	68SS-10	1.33	1 / 18



► Nylon pouch bag

• Finishing - option 1 : chrome plated (R) / option 2 : nickel plated (N)

## Locking Pliers



### 6011

- Curved jaw with wire cutter
- With adjusting screw and release lever
- ASME B107.500-2010



MATERIAL - Jaw : Spring alloy steel  
Handle : Chrome molybdenum alloy steel



6011R



6011N

KT NO.	Overall length inch	mm	Jaw capacity mm		
6011-05R	5-1/2	142	29	173	6 / 48
6011-07R	7	185	38	352	8 / 32
6011-07N	7	185	38	351	8 / 32
6011-10R	10	254	48	542	8 / 32
6011-10N	10	254	48	506	8 / 32

### 6012

- V jaw with wire cutter
- With adjusting screw and release lever
- ASME B107.500-2010



MATERIAL - Jaw : Chrome molybdenum alloy steel  
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	mm	Jaw capacity mm		
6012-07N	7	175	33	357	8 / 32
6012-10N	10	254	45	541	8 / 32

### 6013-10R

- Large curved jaw
- 3X more gripping power hold object tighter
- Turn hexagon screw adjust pressure
- Quick trigger release lever
- ASME B107.500-2010



MATERIAL - Jaw : Chrome molybdenum alloy steel  
Handle : Chrome molybdenum alloy steel



KT NO.	Overall length inch	mm	Jaw capacity mm		
6013-10R	10	254	50	550	8 / 32

### 6031

- Straight jaw
- With adjusting screw and release lever
- ASME B107.500-2010



MATERIAL - Jaw : Spring alloy steel  
Handle : Chrome molybdenum alloy steel



6031R



6031N

KT NO.	Overall length inch	mm	Jaw capacity mm		
6031-05R	5	143	22	166	6 / 48
6031-05N	5	143	22	166	6 / 48
6031-07R	7	185	33	372	8 / 32
6031-07N	7	185	33	371	8 / 32
6031-10R	10	254	45	538	8 / 32
6031-10N	10	254	45	535	8 / 32



# Long Nose Pliers

**6315**

- ASME B107.500-2010

MATERIAL - Jaw : Spring alloy steel

Handle : Chrome molybdenum alloy steel

KT NO.	Overall length		Jaw capacity mm	Kg	Crate/Box
	inch	mm			
6315-06	6	166	51	186	8 / 80
6315-09	9	221	70	393	6 / 36



# Locking Pliers Set

KT NO.	PC.	Contents		Kg	Crate/Box
		Item 1	Item 2		
42503PR	3	6011-10R	6031-07R	1.24	1 / 20
		6011-05R	6315-06		
42504PR	4	6013-10R		1.43	1 / 15



► Nylon pouch bag

# Lock Sheet Metal Clamp

**6605**

- With adjusting screw and release lever
- Makes bending, forming, and crimping sheet metal easier

MATERIAL - Chrome molybdenum alloy steel



KT NO.	Overall length		Jaw capacity mm	Kg	Crate/Box
	inch	mm			
6605-08	8	206	13	475	1 / 18

# Locking Welding Clamp

**6665**

- U-shaped jaws allow enhanced visibility and more working space
- Holds work in proper alignment
- For use in welding or holding awkward shapes in place

MATERIAL - Chrome molybdenum alloy steel



KT NO.	Overall length		Capacity mm	Kg	Crate/Box
	inch	mm			
6665-09	9	230	70	622	1 / 18

# Locking Chain Clamp

**6655**

- Chain can hold around any shape or size
- Convenient for awkward shaped pieces
- With adjusting screw and release lever

MATERIAL - Handle : Chrome molybdenum alloy steel

KT NO.	Overall length		Capacity mm	Kg	Crate/Box
	inch	mm			
6655-09	9	225	∅ 60~140	733	1 / 18



# C-clamp Grip Pliers

## 6615

MATERIAL -

Jaw : Chrome vanadium alloy steel

Handle : Chrome molybdenum alloy steel



KT NO.	Overall length		Capacity mm	Scales	Boxes
	inch	mm			
6615-06	6-3/4	170	50	247	6 / 72
6615-11	11	280	100	790	1 / 20
6615-18	18	456	200	1136	1 / 10

## 6625

▪ C-clamp grip pliers with moving jaw

MATERIAL -

Jaw : Chrome vanadium alloy steel

Handle : Chrome molybdenum alloy steel

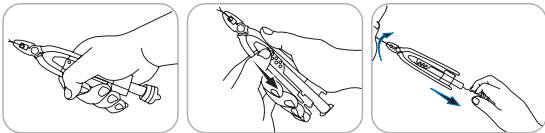


KT NO.	Overall length		Capacity mm	Scales	Boxes
	inch	mm			
6625-06	7	175	54	274	6 / 72
6625-11	11	280	96	840	1 / 20
6625-18	18-1/2	457	200	1220	1 / 10

# Wire Twisting Pliers

## 6121

- Simple pull action twisting wires into a tight uniform fastener
- Material : Chrome vanadium alloy steel
- Twist wire up to 0.04 inch



- Grip wire and pull down the bar
- Pull the lock
- Pull the knob

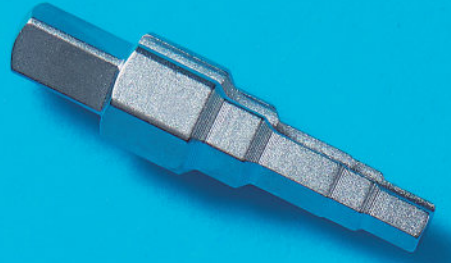


KT NO.	Type	L	Scales	Boxes
6121-06X	wire twisting pliers 6"	215	250	12 / 48
6121-09X	wire twisting pliers 9"	262	380	12 / 48



PLIERS

# PIPE TOOLS ▶





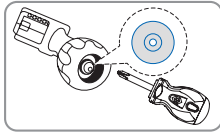
# Ratchet Tubing Cutter

7912-21

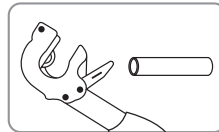
- Cuts without having to rotate tool completely around tubing
- Ratchet mechanism allows for tight area operation
- Cuts through some of the toughest surfaces: stainless steel, wall conduit, copper and aluminum
- Exclusive one hand operation, limited risks of hand-fatigue and injuries



- Comes with spare blade.
- Provided with foldable reamer.



- Use Phillips screwdriver to take out the back-up blade located in the handle base.



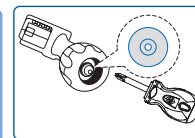
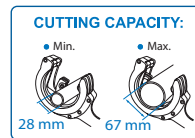
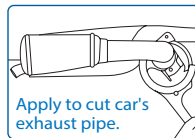
- Deploy foldable reamer provided to smoothen sharp edges. (only 7912-22)



KT NO.	Capacity ø mm	Max. cutting thickness (mm)		Remark	g	Box
		Stainless	Other			
7912-21	8-28	2	3.0	spare blade	389	1 / 40
7912-22	12-35	2	3.0	spare blade / reamer	452	1 / 40
7912-0111		Spare cutting blade			5	25 / 250

7912-23

- Apply to cut car's exhaust pipe.



- Use Phillips screwdriver to take out the back-up blade located in the handle base.

KT NO.	Capacity ø mm	Max. cutting thickness (mm)		g	Box
		Stainless	Other		
7912-23	28-67	2	3.0	1122.6	1 / 10
7912-2311		Spare cutting blade		5	25 / 250

# Mini Tube Cutter

- Full-stop feed system prevents wheels and rollers from coming into contact
- Ergonomic handle design for comfortable operation
- Quick adjustment and easy to change the cutting wheel
- For copper, brass, aluminum pipes
- Specifically design for using in restricted place
- With two guide rollers



7915A-19

7915A-28



KT NO.	inch		mm		Overall length mm	g	Box
	max. (mm)						
7915A-19	1/8~3/4		3~19	1.2	62	152	10 / 100
7915A-28	1/8~1-1/8		3~28	1.2	70	205	10 / 100
7914A-0111			Spare cutting blade			13	25 / 250

# Tube Cutter for Copper

## 7914A-35

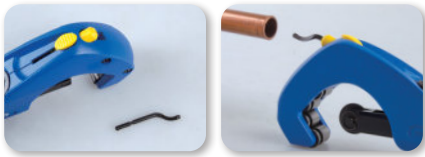
- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel



KT NO.	inches		mm		Overall length		Scales	Boxes
	inch	mm	max. (mm)	inch	mm			
7914A-35	1/8~1-3/8	3~35	1.2	5-1/2	140	370	10 / 60	
7914A-0111			Spare cutting blade			13	25 / 250	

## 7914B-45

- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel & retractable deburring tool
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel



KT NO.	inches		mm		Overall length		Scales	Boxes
	inch	mm	max. (mm)	inch	mm			
7914B-45	1/8~1-3/4	3~45	1.2	6-3/4	172	568	6 / 36	
7914A-0111			Spare cutting blade			13	25 / 250	
7914B-4521			Spare deburring tool			3	1 / 500	

## 7914C-70

- For copper, brass, aluminum pipes
- Ergonomic handle design for comfortable operation
- Includes one piece spare cutting wheel & retractable deburring tool
- With four guide rollers
- Full-stop feed system prevents wheels and rollers from coming into contact
- Quick adjustment and easy to change the cutting wheel



KT NO.	inches		mm		Overall length		Scales	Boxes
	inch	mm	max. (mm)	inch	mm			
7914C-70	1/4~2-3/4	6~70	1.2	8-3/4	222	802	4 / 24	
7914A-0111			Spare cutting blade			13	25 / 250	
7914C-7021			Spare deburring tool			17	1 / 300	

## Tube Cutter for Steel

### 7915-30

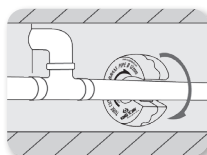


KT NO.	Pipe Size		max. (mm)	Overall length		Weight (g)	Pkg. Qty.
	inch	mm		inch	mm		
7915-30	1/8~1-1/8	3~30	1.2	5-1/2	140	231	1 / 20
7915-3011	Spare cutting blade					10	25 / 250



### 7916M

- For copper pipes
- Easy to use in restricted space
- Self-alignment for adjustment



- Ideal for hard to reach places



KT NO.	Pipe Size		max. (mm)	Overall length (mm)	Weight (g)	Pkg. Qty.
	mm	mm				
7916-12M	12		1.2	52	176	10 / 100
7916-15M	15		1.2	56	207	10 / 100
7916-21M	21		1.2	68	248	10 / 60
7916-22M	22		1.2	68	248	10 / 60
7916-0111	Spare cutting blade				11	25 / 250

### 7918-A0

- For steel pipes
- Strong cast housing
- Extra-long shank provides for quick & easy adjustment
- Possible for large pipe sizes
- Perfectly balanced



KT NO.	Pipe Size		max. (mm)	Overall length		Weight (g)	Pkg. Qty.
	inch	mm		inch	mm		
7918-A0	1-11/32~3-9/16	43~114	3	28-1/8	900	5020	1 / 4
7918-A011	Spare cutting blade					66	1 / 200

## Tube Cutter for Soft Plastic Pipe

### 7913B-35

- For PVC, PP, PE, PEX, PB
- For soft plastic pipe
- Aluminum body
- One-hand operation
- Burr-free cutting
- Reversible blade



KT NO.	Pipe Size		max. (mm)	Overall length (mm)	Weight (g)	Pkg. Qty.
	inch	mm				
7913B-35	1/8~1-3/8	3~35	8-1/4	211	215	20 / 60
7913B-3511	Spare cutting blade				36	1 / 100



# Ratchet Tubing Cutter

## 7913

- For PVC, PP, PE, PEX, PB pipes
- Ratchet design for quick cutting



KT NO.	inch		mm		Overall length		g	boxes
					inch	mm		
7913-42	1/2~1-5/8	6~42	8	201	360	10 / 50		
7913-4211	Spare cutting blade				60	10 / 200		



# 2-in-1 Ratchet Tubing Cutter

## 7913A-63

- Easy one-hand operation
- Cut into thick pipe and thin pipe
- Easily apply for max. 63 O.D.
- Comfortable TPR handle
- For unitary material tube: PE, PP, PVDF, PB, PVC or similar tube
- Advanced tool steel blade and aluminum body
- Ratchet design for quick cutting

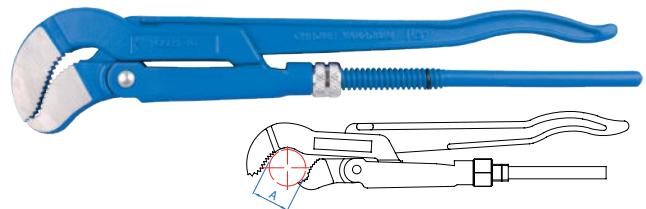


KT NO.	inch		mm		Overall length		g	boxes
					inch	mm		
7913A-63	1/4~2-1/2	6~63	11-1/2	293	802	6 / 24		
7913A-6311	Spare cutting blade				190	1 / 100		

# S Type Pipe Wrench

## 6521

- For nuts, bolts, flat material
- A non-detachable adjusting nut with round thread ensures a wide adjustment
- For working in confined space

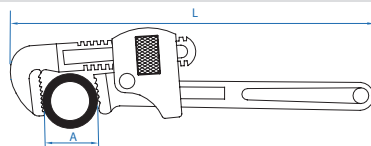


KT NO.	A mm	Size inch	Overall length		g	boxes
			inch	mm		
6521-09	13	1/2	9-1/4	235	415	1 / 20
6521-13	25	1	13	330	791	1 / 20
6521-16	38	1-1/2	16-1/2	420	1450	1 / 12
6521-21	51	2	21	535	2404	1 / 6
6521-26	76	3	25-5/8	652	5030	1 / 2

# Pipe Wrench

## 6531

- Professional stillson type
- High quality steel

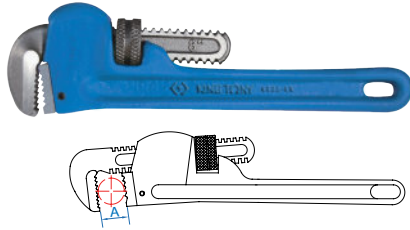


KT NO.	inch		mm		Overall length	g	boxes
6531-10	1-3/16	34	10	231	600	1 / 24	
6531-12	1-9/16	42	12	271	780	1 / 24	
6531-14	1-7/8	48	14	315	1050	1 / 12	
6531-18	2-3/8	60	18	407	1720	1 / 12	
6531-24	2-15/16	76	24	539	3150	1 / 6	
6531-36	4	102	36	825	6280	1 / 2	
6531-48	5-1/2	140	48	1034	9750	1 / 2	

## Pipe Wrench

6532

- Extra heavy straight type
- Forged parts tempered
- Teeth offset against direction of rotation and induction-hardened

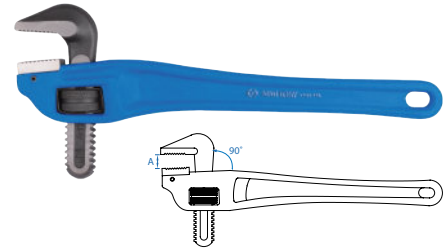


KT NO.	A mm	Overall length		g	/
		inch	mm		
6532-08	27	8	180	380	1 / 40
6532-10	30	10	245	700	1 / 20
6532-12	40	12	275	1050	1 / 20
6532-14	50	14	315	1340	1 / 12
6532-18	60	18	395	1960	1 / 12
6532-24	75	24	525	3640	1 / 6
6532-36	85	36	765	6300	1 / 2
6532-48	110	48	1025	9100	1 / 2

## Aluminum Offset Pipe Wrench 90°

6541L

- Suitable for walls and floors, ceilings and other places beside the pipe work

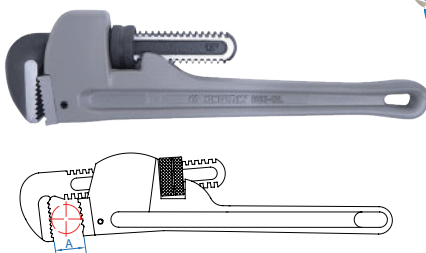


KT NO.	A mm	Overall length		g	/
		inch	mm		
6541-14L	60	14	356	856	1 / 20
6541-18L	76	18	457	1486	1 / 10

## Aluminum Pipe Wrench

6533L

- 25% lighter than heavy-duty models, easy to use
- Straight pipe wrench is suitable for all types of pipe work
- Drop-forged jaw is heat-treated to resist distortion
- Easy-spin adjusting nut, quick to adjust size



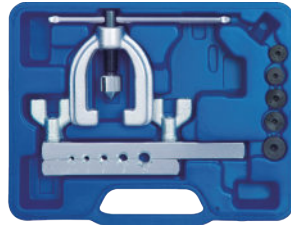
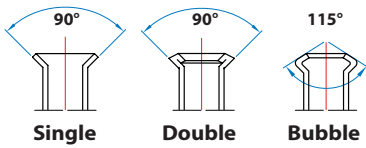
KT NO.	A mm	Overall length		g	/
		inch	mm		
6533-10L	30	10	254	530	6 / 24
6533-12L	40	12	300	790	6 / 18
6533-14L	50	14	356	940	6 / 12
6533-18L	60	18	455	1480	3 / 6
6533-24L	75	24	600	2470	2 / 4
6533-36L	85	36	910	4670	1 / 2
6533-48L	110	48	1200	7960	1 / 2



# Flaring Tool Set

## 7CA0107M

- For producing precision flares on copper, brass, aluminium pipes up to 1 mm wall thickness
- Suitable for pipes in refrigeration, air conditioning



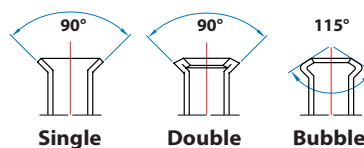
7 PC.

Contents 1.07 1 / 18

7CA22BP10M		4.75, 5, 6, 8, 10 mm
7CA22BP01		
Adapters for expander		4.75, 5, 6, 8, 10 mm

## 7CA0110S

- For producing precision flares on copper, brass, aluminium pipes up to 1 mm wall thickness
- Suitable for pipes in refrigeration, air conditioning

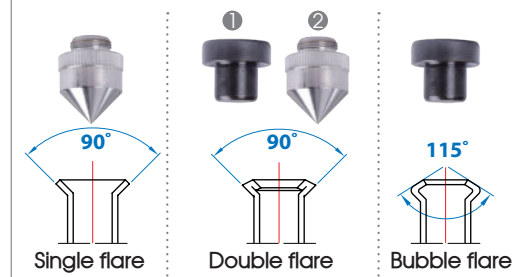


10 PC.

Contents 1.68 1 / 12

7915-30		3-30 mm 1/8~1-1/8"
7CA22P20S		3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"
7CA22P01		
Adapter for expander		3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"

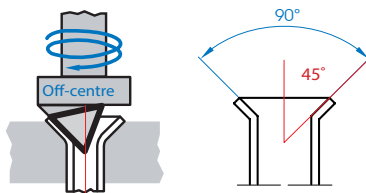
### Type of the flares



# Eccentric Flaring Tool

## 7CA21-24S

- Producing precision 45° single flares on R410A Refrigerant copper pipes
- Suitable for air conditioning, gas refrigeration & brake line
- 6 size flaring dies 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
- 45° angle eccentric cone type
- Forged aluminum alloy body
- Spring-loaded slide coupling prevents overload
- Reduces the amount of time to create a precise flare



KT NO.

7CA21-24S

Capacity  
inch

1/4, 5/16, 3/8, 1/2, 5/8, 3/4

max. (mm)

1.2

Kg

1.56

1 / 12

1 / 12

# Ratchet Pipe Threader Set

## 7CA0606S

- Use to thread pipe for attach fitting and connector
- Thread sizes:  
4pcs interchangeable dies 1/2", 3/4", 1" and 1-1/4"
- Ratchet threader assembly with extension handle



## 7CA0606S1



7  
PC.

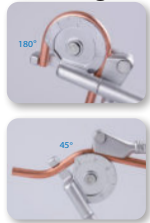
KT NO.	Thread Plug Gauge	Capacity	Contents		7.1 Kg  1/2	
7CA0606S	BSPT	1/2"	7CA61-A01	7CA61-A011		
		3/4"	7CA61-A02	7CA61-A021		
		1"	7CA61-A03	7CA61-A031		
		1-1/4"	7CA61-A04	7CA61-A041		
7CA0606S1	NPT	1/2"	7CA61-B01	7CA61-B011		
		3/4"	7CA61-B02	7CA61-B021		
		1"	7CA61-B03	7CA61-B031		
		1-1/4"	7CA61-B04	7CA61-B041		

# 180° Tube Bender

## 7CA11M

## 7CA11S

- Suitable for use in refrigeration and air-conditioning, oil supply, heating installations, floor heating
- Able to accurately bend soft copper pipes, brass pipes, aluminum pipes, and thin-walled iron pipes (walls less than 0.6 mm) up to 180°
- Bending with the bending radius display and measurement scale



7CA11-10M / 7CA11-12S  
7CA11-16S



7CA11-15M / 7CA11-16M  
7CA11-20S / 7CA11-24S

KT NO.	mm	max. (mm)	R(radius)		Overall length			
			inch	mm	inch	mm		
7CA11-10M	10	0.9	15/16	24	13	334	964	1 / 20
7CA11-15M	15	1.2	2-1/4	57	30	758	2832	1 / 8
7CA11-16M	16	1.2	2-1/4	57	30	758	2832	1 / 8

KT NO.	inch	max. (Inch)	R(radius)		Overall length			
			inch	mm	inch	mm		
7CA11-12S	3/8	0.035	15/16	24	13	334	964	1 / 20
7CA11-16S	1/2	0.049	1-1/2	38	20	493	1833	1 / 12
7CA11-20S	5/8	0.049	2-1/4	57	30	758	2832	1 / 6
7CA11-24S	3/4	0.049	3	76	30	758	3330	1 / 6

# 180° Tube Bender

## 7CA11-08

- Suitable for use in refrigeration and air-conditioning, oil supply, heating installations, floor heating
- Able to accurately bend soft copper pipes, brass pipes, aluminum pipes, and thin-walled iron pipes (walls less than 0.6 mm) up to 180°
- Bending with the bending radius display and measurement scale

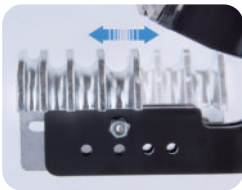


KT NO.	inch	mm	inch	max. mm	R(radius) mm	Overall length inch	mm	g	1 / 20
7CA11-08	5/16	8	0.035	0.9	18	9	236	712	1 / 20

# 90° Tube Bender

## 7CA15-10M

- 4 in 1 design, easy and quick to change the bend size
- Bend 5mm, 6mm, 8mm and 10mm outside diameter brass, copper or aluminum tubing
- Unique design allows bending in tight spaces
- Comfort grip handles reduce hand fatigue and slippage

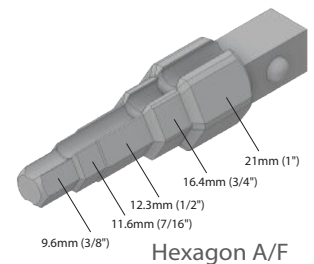
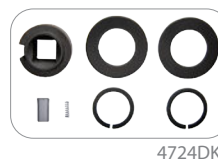
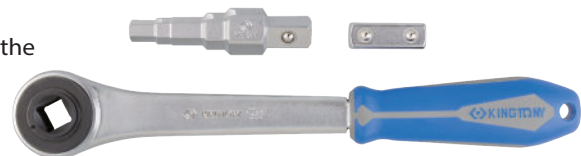


KT NO.	inch	max. (mm)	Overall length inch	mm	g	1 / 24
7CA15-10M	3/16, 1/4, 5/16, 3/8	0.9	10-7/8	275	882	2 / 24

# Stepped Ratchet Radiator Key Set

## 7HA03

- Suitable for installation and removal of most radiator valves and tank connectors
- Key has fittings from small to large, stepped along the length of the key, for different internal hexagon and internal lug valve sizes
- Stepped hexagon key with 3/8", 7/16", 1/2", 3/4", 1"
- 1/2"DR. ratchet makes installations quickly and easily
- 4724-11G can be used as general ratchet, DIN 3122, 11° gear action degree (32 teeth)



Contents

0.74 kg / 1 / 24

4724-11G

7HA11

4724-01



KING TONY TOOLS CO., LTD.

KING TONY

KING TONY

KING TONY

DATE	VERSION	MATERIAL	DESCR
2014			
1:15	DRAWER	DESIGN	RE CHECK
UNIT			APPROVED BY
mm			DRAWN

REVISED CONTENTS

KING TONY TOOLS CO., LTD.

04RAKT  
0506RAKT  
0650RAKT  
07087RAKT

Type A  
Type B  
Type C

DATE	VERSION	MATERIAL	DESCR
	DRAWER	DESIGN	RE CHECK
			APPROVED BY



# Screwdriver

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

## 1421



- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm		mm	g	mm	mm
		mm	inch				
14210023	PH0	60	2-3/8	3.2	35	12 / 144	
14210132	PH1	80	3-1/8	4.5	57	12 / 96	
14210104	PH1	100	4	4.5	59	12 / 96	
14210214	PH2	38	1-1/2	6.5	45	12 / 144	
14210204	PH2	100	4	6.0	84	12 / 96	
14210206	PH2	150	6	6.0	94	12 / 144	
14210306	PH3	150	6	8.0	142	12 / 144	



KT NO.	No.	mm		mm	g	mm	mm
		mm	inch				
14210112	PH1	300	12	4.5	85	12 / 96	
14210212	PH2	300	12	6.0	129	12 / 96	
14210116	PH1	400	16	4.5	97	12 / 96	
14210216	PH2	400	16	6.0	151	12 / 96	



1421xx12  
1421xx16

## 1422



- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm		mm	mm		mm	g	mm
	mm	inch		mm	inch			
14220303	3	1/8	0.5	75	3	3.2	38	12 / 144
14220404	4	5/32	0.8	100	4	4.0	56	12 / 96
14220503	5	3/16	0.8	75	3	5.0	59	12 / 96
14220504	5	3/16	0.8	100	4	5.0	63	12 / 96
14225503	5.5	7/32	1.0	75	3	5.0	71	12 / 96
14225504	5.5	7/32	1.0	100	4	5.0	75	12 / 96
14225505	5.5	7/32	1.0	125	5	5.0	79	12 / 144
14225506	5.5	7/32	1.0	150	6	5.0	83	12 / 144
14226514	6.5	1/4	1.2	38	1-1/2	6.5	46	12 / 144
14226504	6.5	1/4	1.2	100	4	6.0	83	12 / 96
14226506	6.5	1/4	1.2	150	6	6.0	95	12 / 144
14220806	8	5/16	1.2	150	6	8.0	141	12 / 144
14220807	8	5/16	1.2	175	7	8.0	153	12 / 144
14220808	8	5/16	1.2	200	8	8.0	163	12 / 144
14221008	10	3/8	1.6	200	8	10.0	214	12 / 72



KT NO.	mm		mm	mm		mm	g	mm
	mm	inch		mm	inch			
14220512	5	3/16	0.8	300	12	5.0	94	12 / 96
14220516	5	3/16	0.8	400	16	5.0	109	12 / 96
14226512	6.5	1/4	1.2	300	12	6.0	129	12 / 96
14226516	6.5	1/4	1.2	400	16	6.0	150	12 / 96



1422xx12  
1422xx16





# Screwdriver

KT No. & D1



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

## 1423



- For torx head screw, round shank

14232010, 14232510, 14233010 at the dashboard, car body, engine compartment as well as in industry.



KT NO.	Size	mm		mm	g	kg	mm
		mm	inch				
14230602	T6	48	2	3.2	35	12 / 144	
14230702	T7	48	2	3.2	35	12 / 144	
14230803	T8	75	3	3.2	37	12 / 144	
14230903	T9	75	3	3.2	37	12 / 144	
14231003	T10	75	3	3.2	37	12 / 144	
14231503	T15	75	3	4.0	54	12 / 144	
14231510	T15	250	10	5.0	86	12 / 96	
14232004	T20	100	4	5.0	63	12 / 144	
14232010	T20	250	10	5.0	87	12 / 96	
14232504	T25	100	4	6.0	84	12 / 144	
14232510	T25	250	10	6.0	118	12 / 96	
14232704	T27	100	4	6.0	84	12 / 144	
14233005	T30	125	5	6.0	91	12 / 144	
14233010	T30	250	10	6.0	119	12 / 96	
14234006	T40	150	6	8.0	143	12 / 144	

## 1427



- For torx head screw, round shank
- Tamper-resistant type



KT NO.	Size	mm		mm	g	kg	mm
		mm	inch				
14270803	T8H	75	3	3.2	36	12 / 144	
14270903	T9H	75	3	3.2	36	12 / 144	
14271003	T10H	75	3	3.2	36	12 / 144	
14271503	T15H	75	3	4.0	54	12 / 144	
14272004	T20H	100	4	5.0	63	12 / 144	
14272504	T25H	100	4	6.0	84	12 / 144	
14272704	T27H	100	4	6.0	84	12 / 144	
14273005	T30H	125	5	6.0	89	12 / 144	
14274006	T40H	150	6	8.0	142	12 / 144	

## 1424



- Square head



KT NO.	Size	mm		mm	g	kg	mm
		mm	inch				
14240105	RB1	125	5	5.0	67	20 / 240	
14240204	RB2	100	4	6.0	83	12 / 144	
14240206	RB2	150	6	6.0	94	12 / 144	

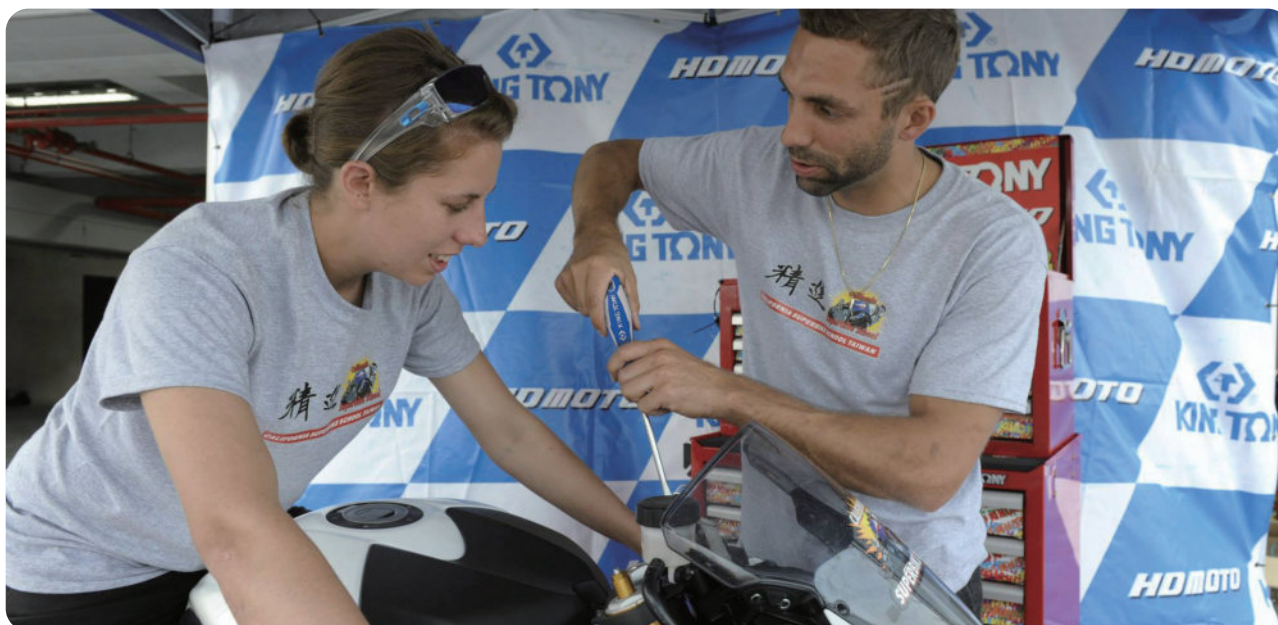
## 1428



- Pozidriv head, round shank
- DIN ISO 8764



KT NO.	No.	mm		mm	g	kg	mm
		mm	inch				
14280023	PZ0	60	2-3/8	3.2	37	12 / 96	
14280132	PZ1	80	3-1/8	4.5	57	12 / 96	
14280104	PZ1	100	4	4.5	59	12 / 96	
14280204	PZ2	100	4	6.0	83	12 / 96	
14280306	PZ3	150	6	8.0	142	12 / 144	



# Screwdriver Set

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip



KT NO.	PC.	Contents	 Kg	
31107MR	7	 1421 PH0 x 60, PH1 x 80, PH1 x 100, PH2 x 38, PH2 x 100, PH2 x 150, PH3 x 150	0.70	1 / 20
30118MR	8	 1422 3 x 75, 5 x 75, 5 x 100, 8 x 150, 8 x 200, 6.5 x 100, 6.5 x 150, 6.5 x 38	0.90	1 / 20
30115MR	5	 1421 PH1 x 80, PH2 x 100	0.54	1 / 20
		 1422 4 x 100, 5.5 x 125, 6.5 x 150		
31116MR	6	 1421 PH0 x 60, PH1 x 80, PH2 x 100	0.56	1 / 20
		 1422 3 x 75, 5.5 x 100, 6.5 x 150		
31216MR	6	 1421 PH1 x 80, PH2 x 100	0.65	1 / 20
		 1422 5 x 75, 5 x 100, 6.5 x 100, 6.5 x 150		
30117MR	7	 1421 PH1 x 80, PH2 x 100	0.77	1 / 20
		 1422 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175		
33108MR	8	 1421 PH0 x 60, PH1 x 100, PH2 x 100, PH2 x 38	1.30	1 / 10
		 1422 3 x 75, 5.5 x 100, 6.5 x 38, 6.5 x 100		
30127MR	7	 1428 PZ1 x 80, PZ2 x 100, PZ3 x 150	0.82	1 / 20
		 1422 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175		
30315PR	5	 1423 T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125	0.37	1 / 20
30316PR	6	 1423 T10 x 75, T15 x 75, T20 x 100, T25 x 100, T30 x 125, T40 x 150	0.48	1 / 20
30317PR	7	 1423 T10 x 75, T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125, T40 x 150	0.78	1 / 20
30319PR	9	 1423 T8 x 75, T9 x 75, T10 x 75, T15 x 75, T20 x 100, T25 x 100, T27 x 100, T30 x 125, T40 x 150	0.88	1 / 20
30307PR	7	 1427 T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	0.78	1 / 20
30309PR	9	 1427 T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	0.88	1 / 20

# Screwdriver & Set

KT No. & D1



- Shank material - S2 alloy steel
- Grip material - PP + TPR
- Finishing - Magnet chrome plated with black tip

## 14A1



- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	g	mm	kg
		mm	inch	mm	inch				
14A10132	PH1	80	3-1/8	5.0	60	12 / 96			
14A10214	PH2	38	1-1/2	6.0	45	12 / 144			
14A10204	PH2	100	4	6.0	88	12 / 96			
14A10306	PH3	150	6	8.0	144	12 / 144			



## 14A2



- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm		inch		mm	g	mm	kg
	mm	inch	mm	inch				
14A20303	3	1/8	0.6	75	3	3.0	37	12 / 144
14A20404	4	5/32	0.8	100	4	4.0	56	12 / 96
14A25504	5.5	5/32	1.0	100	4	5.5	82	12 / 96
14A25505	5.5	7/32	1.0	125	5	5.5	86	12 / 144
14A26514	6.5	1/4	1.2	38	1-1/2	6.5	47	12 / 144
14A26506	6.5	1/4	1.2	150	6	6.5	105	12 / 144
14A20808	8	5/16	1.6	200	8	8.0	166	12 / 144



## 14A8



- Pozidriv head, round shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	g	mm	kg
		mm	inch	mm	inch				
14A80132	PZ1	80	3-1/8	5.0	60	12 / 96			
14A80204	PZ2	100	4	6.0	89	12 / 96			



KT NO.	PC.	Contents		kg	kg
30106AMRB	6	14A1	PH1 x 80, PH2 x 100	0.56	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		
30116AMRB	6	14A8	PZ1 x 80, PZ2 x 100	0.56	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		
30107AMRB	7	14A1	PH1 x 80, PH2 x 100, PH3 x 150	0.82	1 / 12
		14A2	3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150		



# Screwdriver & Set

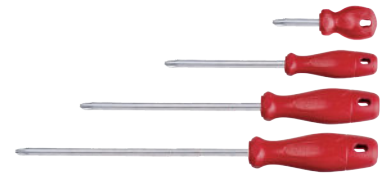
- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

## 1411



- Phillips head, round shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	g	kg	/
		mm	inch	mm	inch				
14110003	PH0	75	3	3.0	28	12 / 240			
14110104	PH1	100	4	5.0	41	12 / 240			
14110214	PH2	38	1-1/2	6.5	30	12 / 144			
14110204	PH2	100	4	6.0	68	12 / 96			
14110204-E*	PH2	100	4	6.0	86	12 / 96			
14110205-E*	PH2	125	5	6.0	92	12 / 144			
14110206	PH2	150	6	6.0	80	12 / 144			
14110206-E*	PH2	150	6	6.0	96	12 / 144			
14110208-E*	PH2	200	8	6.0	108	12 / 144			
14110306	PH3	150	6	8.0	123	12 / 144			
14110308	PH3	200	8	8.0	146	12 / 144			



\* Enlarged handle

## 1412



- Slotted head, round shank
- DIN ISO 2380

KT NO.	mm		inch		mm	g	kg	/
	mm	inch	mm	inch				
14120303	3.0	1/8	0.5	75	3	3.0	27	12 / 240
14120404	4.0	5/32	0.8	100	4	4.0	33	12 / 240
14125504	5.5	7/32	0.8	100	4	5.0	40	12 / 240
14126514	6.5	1/4	1.2	38	1-1/2	6.5	30	12 / 144
14126504	6.5	1/4	1.2	100	4	6.0	71	12 / 96
14126504-E*	6.5	1/4	1.2	100	4	6.0	86	12 / 96
14126506	6.5	1/4	1.2	150	6	6.0	79	12 / 144
14126506-E*	6.5	1/4	1.2	150	6	6.0	105	12 / 144
14120806	8.0	5/16	1.2	150	6	8.0	126	12 / 144
14120808	8.0	5/16	1.2	200	8	8.0	142	12 / 144



\* Enlarged handle

## 2411



- Two-way screwdriver hex shank

KT NO.	No.	mm		inch		g	kg	/
		mm	inch	mm	inch			
24110204	PH2	7	1.2	100	4	89	20 / 240	
24110214	PH2	7	1.2	38	1-1/2	42	20 / 240	

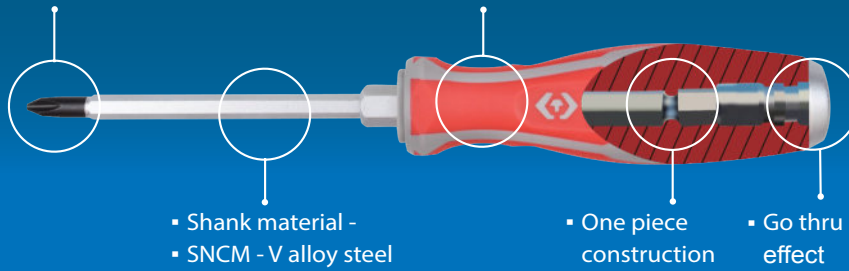


KT NO.	PC.	Contents		kg	/
35105MR	5	1411	PH1 x 100, PH2 x 100	0.54	1 / 20
		1412	4 x 100, 5.5 x 100, 6.5 x 150		
35116MR01	6	1411	PH1 x 100, PH2 x 100, PH3 x 150	0.65	1 / 20
		1412	4 x 100, 5.5 x 100, 6.5 x 150		
35107MR	7	1411	PH1 x 100, PH2 x 100, PH3 x 150	0.72	1 / 20
		1412	4 x 100, 5.5 x 100, 6.5 x 150, 8 x 150		



- Magnet
- Chrome plated with black tip

- Color rubber handle
- Grip material - PP + TPR



- Shank material -
- SNCM - V alloy steel

- One piece construction
- Go thru and cushioning effect

## Go Thru Screwdriver & Set

KT No. & D1

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tips

### 1461

- Phillips head, hex-shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	mm	g	kg	/
		mm	inch	mm	inch					
14610103	PH1	75	3	5.0	10	121	12 / 96			
14610204	PH2	100	4	6.0	10	135	12 / 96			
14610206	PH2	150	6	6.0	10	148	12 / 144			
14610306	PH3	150	6	8.0	13	219	12 / 96			



### 1462

- Slotted head, hex-shank
- DIN ISO 2380

KT NO.	mm		inch		mm	mm	g	kg	/
	mm	inch	mm	inch					
14625504	5.5	7/32	1.0	100	4	5.0	10	125	12 / 96
14626504	6.5	1/4	1.2	100	4	6.0	10	134	12 / 96
14626506	6.5	1/4	1.2	150	6	6.0	10	147	12 / 144
14620806	8.0	5/16	1.2	150	6	8.0	13	217	12 / 144
14620807	8.0	5/16	1.2	175	7	8.0	13	228	12 / 144
14621008	10.0	3/8	1.6	200	8	10.0	16	310	12 / 72
14621012	10.0	3/8	1.6	300	12	10.0	16	377	10 / 60
14621210	12.0	15/32	2.0	250	10	10.0	16	347	10 / 40



### 30206MR

Contents

1.20 kg 1 / 20

⊕ 1461 PH1 x 75, PH2 x 100, PH3 x 150

⊖ 1462 5.5 x 100, 6.5 x 150, 8.0 x 175



6 PC.

### 35208MR

Blow case size (mm) :  
430 x 300 x 50 (1.29 cuft)

Contents

2.16 kg 1 / 4

⊕ 1461 PH1 x 75, PH2 x 100, PH3 x 150

⊖ 1462 6.5 x 100, 8.0 x 175, 10 x 300

⊕ 1421 PH2 x 38

⊖ 1422 6.5 x 38



8 PC.



# Go Thru Screwdriver & Set

- Shank material - S2 alloy steel
- Grip material - PP + TPR
- Finishing - Magnet chrome plated with black tip

## 14B1



- Phillips head, hex-shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	g	No. / Box
		mm	inch	mm	inch			
14B10103	PH1	75	3	5.0	130	12 / 96		
14B10204	PH2	100	4	6.0	134	12 / 96		
14B10206	PH2	150	6	6.0	145	12 / 144		
14B10306	PH3	150	6	8.0	241	12 / 96		



## 14B2



- Slotted head, hex-shank
- DIN ISO 2380

KT NO.	mm		inch		mm	g	No. / Box	
	mm	inch	mm	inch				
14B25504	5.5	7/32	1.0	100	4	5.5	139	12 / 96
14B26506	6.5	1/4	1.2	150	6	6.5	164	12 / 144
14B20807	8.0	5/16	1.6	175	7	8.0	252	12 / 96



## 30206AMRB

Contents

1.20 1 / 12

14B1 PH1 x 75, PH2 x 100, PH3 x 150

14B2 5.5 x 100, 6.5 x 150, 8.0 x 175



6  
PC.

# Go Thru Screwdriver

- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

## 1481



- Phillips head, hex-shank
- DIN ISO 8764

KT NO.	No.	mm		inch		mm	g	No. / Box
		mm	inch	mm	inch			
14810103	PH1	75	3	5.0	55	12 / 240		
14810204	PH2	100	4	6.0	93	12 / 144		
14810204-E*	PH2	100	4	6.0	112	12 / 96		
14810205	PH2	125	5	6.0	99	12 / 144		
14810205-E*	PH2	125	5	6.0	118	12 / 144		
14810306	PH3	150	6	8.0	175	12 / 144		
14810412	PH4	300	12	10.0	328	10 / 40		



\* Enlarged handle

# Go Thru Screwdriver & Set

KT No. & D1



- Shank material - Chrome vanadium alloy steel
- Grip material - PP
- Finishing - chrome plated

## 1482



- Slotted head, hex-shank
- DIN ISO 2380

KT NO.	mm		inch		mm	mm	g	1/20
	mm	inch	mm	inch				
14825503	5.5	7/32	0.8	75	3	5.0	54	12 / 240
14826504	6.5	1/4	1.2	100	4	6.0	93	12 / 144
14826504-E*	5.5	1/4	1.2	100	4	6.0	112	12 / 96
14826505-E*	6.5	1/4	1.2	125	5	6.0	116	12 / 144
14826506	6.5	1/4	1.2	150	6	6.0	103	12 / 144
14820806	8.0	5/16	1.2	150	6	8.0	174	12 / 144
14821012	10.0	12/32	1.6	300	12	10.0	326	10 / 40

\* Enlarged handle



## 36206MR

Contents

0.97 1 / 20

⊕ 1481 PH1 x 75, PH2 x 100, PH3 x 150

⊖ 1482 5.5 x 75, 6.5 x 150, 8.0 x 150

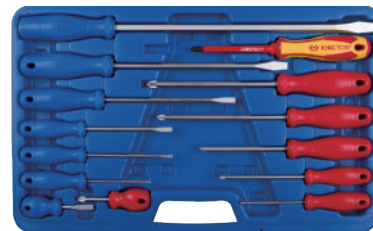


6 PC.

## 35114MR

- Standard & insulated & go thru screwdriver set

## 35114MR01



14 PC.



KT NO.	Contents		2.40 1 / 4
35114MR	⊖ 1472	6.5 x 150	⊕ 1411 PH0 x 75, PH1 x 100, PH2 x 100, PH2 x 150, PH2 x 38, PH3 x 150 ⊖ 1412 3 x 75, 4 x 100, 5.5 x 100, 6.5 x 150, 6.5 x 38, 8 x 200 ⊖ 1482 10 x 300
35114MR01	⊕ 1478	PZ2 x 100	



# Screwdriver Set

## 31416MR

- Standard screwdriver set

KT NO.	Contents	Each Q'ty
31416MR	 1421 PH0 x 60, PH1 x 80, PH1 x 100, PH2 x 38, PH2 x 100, PH2 x 150, PH3 x 150	6
	 1422 3.0 x 75, 4.0 x 100, 5.5 x 75, 5.5 x 100, 5.5 x 125, 6.5 x 38, 6.5 x 100, 6.5 x 150, 8.0 x 150	






96  
PC.

Screwdriver shelf size (mm) : 600 x 240 x 210

KT NO.	Kg	CUFT
87105	3.30	1.97
31416MR-D	6.20	0.71

## 31516MR

- Standard & go thru screwdriver set

KT NO.	Contents	Each Q'ty
31516MR	 1427 T8H x 75, T9H x 75, T10H x 75, T15H x 75, T20H x 100, T25H x 100, T27H x 100, T30H x 125, T40H x 150	6
	 1461 PH1 x 75, PH2 x 100, PH3 x 150	
	 1462 5.5 x 100, 6.5 x 100, 6.5 x 150, 8.0 x 175	





96  
PC.

Screwdriver shelf size (mm) : 600 x 240 x 210

KT NO.	Kg	CUFT
87105	3.30	1.97
31516MR-D	10.10	0.71

## 31519MR

- Standard Screwdriver set

KT NO.	Contents	Each Q'ty
31519MR	 1411 PH0 x 75, PH1 x 100, PH2 x 100, PH2 x 100E*, PH2 x 150, PH2 x 150E*, PH2 x 38, PH3 x 150, PH3 x 200	6
	 1412 3.0 x 75, 4.0 x 100, 5.5 x 100, 6.5 x 100, 6.5 x 150, 6.5 x 100E*, 6.5 x 38, 8 x 150, 8 x 200, 6.5 x 150E*	



114  
PC.

Screwdriver shelf size (mm) : 650 x 250 x 210




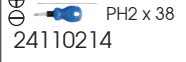


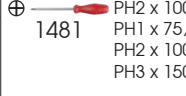
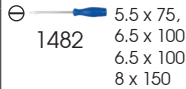
KT NO.	Kg	CUFT
87111	3.50	1.97
31519MR-D	10.34	0.71

\* Enlarged handle

## 31512MR

## 31512MR01

- Standard & go thru screwdriver set

KT NO.	Contents	Each Q'ty
31512MR	 1481 PH2 x 125  1482 6.5 x 150	6
	 24110204 PH2 x 100  24110214 PH2 x 38	
31512MR01	 1481 PH2 x 125E*  1482 6.5 x 125E*	6
	 1481 PH2 x 100, PH1 x 75, PH2 x 100E*, PH3 x 150  1482 5.5 x 75, 6.5 x 100, 6.5 x 100E*, 8 x 150	



72  
PC.

Screwdriver shelf size (mm) : 420 x 250 x 210

KT NO.	Kg	CUFT
87110	2.47	0.78
31512MR-D	8.23	0.71
87110	3.50	1.50
31512MR01-D	7.86	0.38




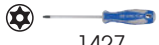




# Screwdriver Set

## 31427MR


- Standard screwdriver set

KT NO.	Contents
31427MR	 1421 PH0 x 60, PH1 x 80 x2, PH1 x 100 x2, PH2 x 38 x2, PH2 x 100 x2, PH2 x 150 x2, PH3 x 150 x2
	 1422 3.0 x 75 x3, 4.0 x 100 x2, 5.5 x 100 x2, 5.5 x 125 x2, 5.5 x 150 x2, 6.5 x 38 x2, 6.5 x 100 x2, 6.5 x 150 x2
	 1423 T10 x 75, T15 x 75, T20 x 100, T25 x 100, T30 x 125
	 1427 T10H x 75, T15H x 75, T20H x 100, T25H x 100, T30H x 125



40  
PC.

Screwdriver shelf size (mm) : 325 x 205 x 270

KT NO.		CUFT
87104	1.40	0.30
31427MR-D	2.66	0.27

# Screwdriver Display

## 87104

- Overall size -W 325 x D 205 x H 270 mm
- Weight - 1.4 Kg / Cuft - 0.3



# Magnetizer / Demagnetizer



## 79B1-01

- Quickly magnetize / demagnetize screwdriver tips or screw bits
- Magnetize your screwdrivers to allow them to grab small screws
- Demagnetize your screwdrivers to safely work on sensitive electronics



• Magnetizer

• Demagnetizer

KT NO.	Size (mm)		
79B1-01	52 x 50 x 30	88.6	20 / 80



# Interchangeable Handle

91232

KT NO.	mm	inch	g	12 / 144
91232	135	5-1/4	84	12 / 144

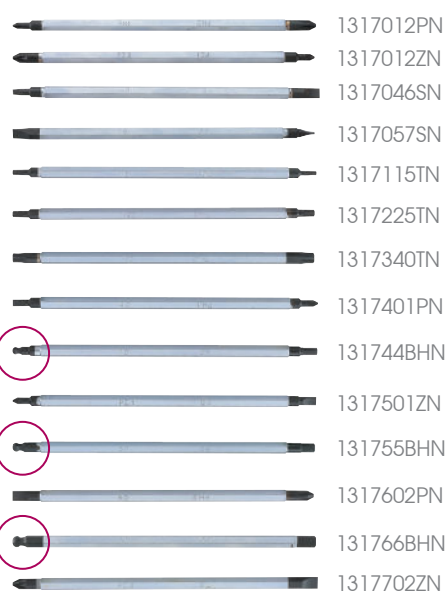


# Power Bit

1317

- Bits for screwdriver handle 91232
- Material - SNCM - V alloy steel

KT NO.	Size	mm	inch	g	12 / 144
1317012PN	⊕ PH1 ⊕ PH2	175	7	45	40 / 400
1317012ZN	⊕ PZ2 ⊕ PZ1	175	7	45	40 / 400
1317046SN	⊖ 4.0 ⊖ 6.0	175	7	43	40 / 400
1317057SN	⊖ 5.0 ⊖ 7.0	175	7	43	40 / 400
1317115TN	⊕ T10 ⊕ T15	175	7	42	40 / 400
1317225TN	⊕ T20 ⊕ T25	175	7	45	40 / 400
1317340TN	⊕ T30 ⊕ T40	175	7	45	40 / 400
1317401PN	⊖ 4.0 ⊕ PH1	175	7	43	40 / 400
131744BHN	● B4 ● H4	175	7	45	40 / 400
1317501ZN	⊖ 5.0 ⊕ PZ1	175	7	43	40 / 400
131755BHN	● B5 ● H5	175	7	45	40 / 400
1317602PN	⊖ 6.0 ⊕ PH2	175	7	43	40 / 400
131766BHN	● B6 ● H6	175	7	46	40 / 400
1317702ZN	⊖ 7.0 ⊕ PZ2	175	7	44	40 / 400



# Screwdriver Set

32518MR

- Two-way screwdriver set

- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Shank finishing - chrome plated

Contents	0.70	1 / 20
1317012PN ⊕ PH1		⊕ PH2
1317012ZN ⊕ PZ2		⊕ PZ1
1317046SN ⊖ 4.0		⊖ 6.0
1317057SN ⊖ 5.0		⊖ 7.0
1317115TN ⊕ T10		⊕ T15
1317225TN ⊕ T20		⊕ T25
1317340TN ⊕ T30		⊕ T40
131744BHN ● B4		● H4
131755BHN ● B5		● H5
131766BHN ● B6		● H6
91232		



11 PC.

Blow case size (mm) : 233 x 120 x 43 (0.04cuft)



# Screwdriver Set

## 32518MR01

- Two-way screwdriver set



11  
PC.

Blow case size (mm) : 233 x 120 x 43 (0.04cuft)

Contents 0.76 1 / 20

1317115TN		T10			T15
1317225TN		T20			T25
1317340TN		T30			T40
1317401PN		4.0			PH1
131744BHN		B4			H4
1317501ZN		5.0			PZ1
131755BHN		B5			H5
1317602PN		6.0			PH2
131766BHN		B6			H6
1317702ZN		7.0			PZ2
91232					

## 32518MR02

- Two-way screwdriver set



11  
PC.

Blow case size (mm) : 233 x 120 x 43 (0.04cuft)

Contents 0.70 1 / 20

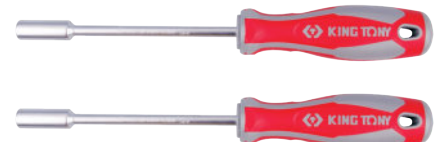
1317115TN		T10			T15
1317225TN		T20			T25
1317340TN		T30			T40
1317401PN		4.0			PH1
131744BHN		B4			H4
1317012PN		PH1			PH2
131755BHN		B5			H5
1317602PN		6.0			PH2
131766BHN		B6			H6
1317057SN		5.0			7.0
91232					

# Nut Spinner

## 1450



## 5450



- Shank material - chrome vanadium alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated

KT NO.	mm	mm	mm	mm	g	/
1450-04	4.0	4.5	125	225	74	12 / 144
1450-45	4.5	4.5	125	225	75	12 / 144
1450-05	5.0	5.0	125	225	75	12 / 144
1450-55	5.5	5.0	125	225	82	12 / 144
1450-06	6.0	6.0	125	225	81	12 / 144
1450-07	7.0	6.0	125	235	103	12 / 144
1450-08	8.0	7.0	125	235	108	12 / 144
1450-09	9.0	7.0	125	235	110	12 / 144
1450-10	10.0	8.0	125	235	114	12 / 144
1450-11	11.0	9.0	125	245	165	12 / 144
1450-12	12.0	10.0	125	245	169	12 / 144
1450-13	13.0	10.0	125	245	172	10 / 120

KT NO.	inch	mm	mm	mm	g	/
5450-08	1/4	12.0	125	223	81	12 / 144
5450-10	5/16	8.2	125	223	109	12 / 144

# Flexible Nut Spinner

## 1453

- For the hose clamps on radiator hoses

KT NO.	mm	mm	mm	mm	g	/
1453-05	5	14.3	190	300	132	12 / 144
1453-06	6	14.1	190	300	132	12 / 144
1453-07	7	14.5	190	300	137	12 / 144
1453-08	8	13.2	190	300	133	12 / 144
1453-10	10	12.7	190	300	135	12 / 144



# Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted
- Total length : 25 mm



Item No. xxxxxxx.B



order unit : one box

## 1025P

- DIN ISO 2351-2



KT NO.	⊕ No.	g	📦 / 📦
102500P (102500P.B)	PH0	5	20 / 300 (50 / 1000)
102501P (102501P.B)	PH1	5	
102502P (102502P.B)	PH2	6	
102503P (102503P.B)	PH3	6	
102504P (102504P.B)	PH4	6	

1/4" Hex size shank driver

## 1025T

- For torx head screw



KT NO.	Size	g	📦 / 📦
102506T (102506T.B)	T6	5	20 / 300 (50 / 1000)
102507T (102507T.B)	T7	5	
102508T (102508T.B)	T8	5	
102509T (102509T.B)	T9	5	
102510T (102510T.B)	T10	5	
102515T (102515T.B)	T15	5	
102520T (102520T.B)	T20	5	
102525T (102525T.B)	T25	5	
102527T (102527T.B)	T27	5	
102530T (102530T.B)	T30	5	
102535T (102535T.B)	T35	6	
102540T (102540T.B)	T40	6	
102545T (102545T.B)	T45	7	
102550T (102550T.B)	T50	8	

## 102512P

- Reduced for dry-wall
- DIN ISO 2351-2



KT NO.	⊕ No.	g	📦 / 📦
102512P (102512P.B)	PH2	6	20 / 300 (50 / 1000)

## 1025S

- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	g	📦 / 📦
102503S1 (102503S1.B)	3.0	0.5	5	20 / 300 (50 / 1000)
102535S1 (102535S1.B)	3.5	0.6	5	
102504S1 (102504S1.B)	4.0	0.5	5	
102504S2 (102504S2.B)	4.0	0.8	5	
102545S1 (102545S1.B)	4.5	0.6	5	
102505S1 (102505S1.B)	5.0	0.8	5	
102555S1 (102555S1.B)	5.5	0.8	5	
102555S2 (102555S2.B)	5.5	1.0	5	
102506S1 (102506S1.B)	6.0	1.0	5	
102565S1 (102565S1.B)	6.5	1.2	6	
102507S1 (102507S1.B)	7.0	1.2	6	
102508S1 (102508S1.B)	8.0	1.2	6	
102508S2 (102508S2.B)	8.0	1.6	6	

## 1025U

- For torx head screw
- Tamper-resistant type



KT NO.	Size	g	📦 / 📦
102507U (102507U.B)	T7H	4	20 / 300 (50 / 1000)
102508U (102508U.B)	T8H	5	
102509U (102509U.B)	T9H	5	
102510U (102510U.B)	T10H	5	
102515U (102515U.B)	T15H	5	
102520U (102520U.B)	T20H	5	
102525U (102525U.B)	T25H	5	
102527U (102527U.B)	T27H	5	
102530U (102530U.B)	T30H	6	
102540U (102540U.B)	T40H	6	

## 1025H

- DIN ISO 2351-3



KT NO.	mm	g	📦 / 📦
102515H (102515H.B)	H1.5	4	20 / 300 (50 / 1000)
102502H (102502H.B)	H2	5	
102525H (102525H.B)	H2.5	5	
102503H (102503H.B)	H3	5	
102504H (102504H.B)	H4	6	
102505H (102505H.B)	H5	6	
102506H (102506H.B)	H6	6	
102507H (102507H.B)	H7	8	
102508H (102508H.B)	H8	9	
102510H (102510H.B)	H10	12	

## 5025H

KT NO.	inch	g	📦 / 📦
502503H (502503H.B)	3/64	4	20 / 300 (50 / 1000)
502504H (502504H.B)	1/16	4	
502505H (502505H.B)	5/64	5	
502506H (502506H.B)	3/32	5	
502507H (502507H.B)	7/64	5	
502508H (502508H.B)	1/8	5	
502509H (502509H.B)	9/64	5	
502510H (502510H.B)	5/32	5	

## 1025M

- DIN 65254



KT NO.	size	g	📦 / 📦
102504M	M4	5	20 / 300
102505M	M5	5	
102506M	M6	6	
102508M	M8	7	
102510M	M10	10	

## 1025V

- For inside 5-star screw
- Tamper-resistant type



KT NO.	Size	g	📦 / 📦
102508V	IPR 8	5	20 / 300
102509V	IPR 9	5	
102510V	IPR 10	5	
102515V	IPR 15	5	
102520V	IPR 20	5	
102525V	IPR 25	5	
102527V	IPR 27	5	
102530V	IPR 30	5	
102540V	IPR 40	6	



# Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

## 1/4" Hex size shank driver



order unit : one blister card



Item No.xxxxxxx.B

## 5/16" Hex size shank driver



order unit : one box

### 1025Z



- Pozidriv type
- DIN ISO 2351-2



KT NO.	No.	g	kg	kg
102501Z (102501Z.B)	PZ1	5		
102502Z (102502Z.B)	PZ2	6	20 / 300	
102503Z (102503Z.B)	PZ3	6	(50 / 1000)	

### 1025R



KT NO.	Size	g	kg	kg
102500R (102500R.B)	RB0	5		
102501R (102501R.B)	RB1	5	20 / 300	
102502R (102502R.B)	RB2	6	(50 / 1000)	
102503R (102503R.B)	RB3	6		

### 1360Z



KT NO.	No.	Overall length (mm)	g	kg	kg
1360012Z	PZ1 / PZ2	60	13		
1360022Z	PZ2 / PZ2	60	14	10 / 150	
1360023Z	PZ2 / PZ3	60	14		

### 1360Z



KT NO.	No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	kg	kg
1360451Z	PZ1	4.5	0.6	60	13	10 / 150	
1360552Z	PZ2	5.5	1.0	60	14	10 / 150	

### 1360P



KT NO.	No.	Overall length (mm)	g	kg	kg
1360012P	PH1 / PH2	60	13		
1360022P	PH2 / PH2	60	14	10 / 150	
1360023P	PH2 / PH3	60	14		

### 1360P



KT NO.	No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	kg	kg
1360451P	PH1	4.5	0.6	60	13		
1360552P	PH2	5.5	0.8	60	14	10 / 150	
1360703P	PH3	7.0	1.2	60	14		

### 1800P



- 36 / 80 / 125mmL
- DIN ISO 2251-2



KT NO.	No.	Overall length (mm)	g	kg	kg
183601P	PH1	36	12	20 / 200	
183602P	PH2	36	12	20 / 200	
183603P	PH3	36	12	20 / 200	
183604P	PH4	36	12	20 / 200	
188002P	PH2	80	31	10 / 100	
188003P	PH3	80	31	10 / 100	
188004P	PH4	80	31	10 / 100	
181202P	PH2	125	50	10 / 100	
181203P	PH3	125	50	10 / 100	

### 1800S



- 36 / 80mmL
- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	kg	kg
183608S	8	1.2	36	12	20 / 300	
183609S	9	1.6	36	13	20 / 300	
183610S	10	1.6	36	15	20 / 240	
183611S	11	2.0	36	16	20 / 240	
183612S	12	2.0	36	18	12 / 120	
183614S	14	2.5	36	21	12 / 120	
188008S	8	1.2	80	32	10 / 150	
188010S	10	1.6	80	33	10 / 120	
188012S	12	2.0	80	34	6 / 60	

### 1800H



- 32 / 36 mmL



KT NO.	mm	Overall length (mm)	g	kg	kg
183203H	H3	32	9	20 / 300	
183204H	H4	32	10	20 / 300	
183205H	H5	32	10	20 / 300	
183206H	H6	32	11	20 / 300	
183207H	H7	32	12	20 / 300	
183208H	H8	32	13	20 / 300	
183210H	H10	32	17	20 / 240	
183212H	H12	32	22	12 / 120	
183604H	H4	36	11	20 / 300	
183605H	H5	36	12	20 / 300	
183606H	H6	36	13	20 / 300	
183607H	H7	36	14	20 / 300	
183608H	H8	36	15	20 / 300	
183610H	H10	36	19	20 / 240	
183612H	H12	36	25	12 / 120	
183614H	H14	36	31	12 / 120	



# Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

## 5/16" Hex size shank driver



order unit: one box

### 1800T



- For torx internal screws  
32 / 36 / 70 mmL



KT NO.	Size	Overall length (mm)	g	Box / Carton
183215T	T15	32	10	20 / 300
183220T	T20	32	10	20 / 300
183225T	T25	32	10	20 / 300
183227T	T27	32	11	20 / 300
183230T	T30	32	11	20 / 300
183240T	T40	32	11	20 / 300
183245T	T45	32	11	20 / 300
183250T	T50	32	11	20 / 300
183620T	T20	36	11	20 / 300
183625T	T25	36	11	20 / 300
183627T	T27	36	11	20 / 300
183630T	T30	36	12	20 / 300
183635T	T35	36	12	20 / 300
183640T	T40	36	13	20 / 300
183645T	T45	36	13	20 / 300
183650T	T50	36	14	20 / 300
183655T	T55	36	19	20 / 240
183660T	T60	36	22	20 / 120
187015T	T15	70	22	10 / 150
187020T	T20	70	22	10 / 150
187025T	T25	70	22	10 / 150
187027T	T27	70	22	10 / 150
187030T	T30	70	22	10 / 150
187040T	T40	70	22	10 / 150
187045T	T45	70	22	10 / 150
187050T	T50	70	22	10 / 150

### 1836Z



- 36 mmL



KT NO.	No.	Overall length (mm)	g	Box / Carton
183602Z	PZ2	36	12	20 / 300
183603Z	PZ3	36	12	20 / 300
183604Z	PZ4	36	13	20 / 300

## 10mm Hex size shank driver

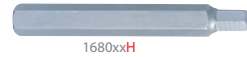


order unit: one blister card

### 1600H



- 36 / 80mmL



KT NO.	mm	Overall length (mm)	g	Box / Carton
163604H	H4	36	17	12 / 144
163605H	H5	36	19	12 / 144
163606H	H6	36	19	12 / 144
163607H	H7	36	20	12 / 144
163608H	H8	36	21	12 / 144
163609H	H9	36	23	12 / 144
163610H	H10	36	24	12 / 144
163612H	H12	36	31	12 / 120
168004H	H4	80	47	6 / 72
168005H	H5	80	48	6 / 72
168006H	H6	80	49	6 / 72
168007H	H7	80	50	6 / 72
168008H	H8	80	51	6 / 72
168009H	H9	80	52	6 / 72
168010H	H10	80	54	6 / 72
168012H	H12	80	73	6 / 60

### 1600T



- For torx head screw  
36 / 80mmL



KT NO.	Size	Overall length (mm)	g	Box / Carton
163610T	T10	36	17	12 / 144
163615T	T15	36	17	12 / 144
163620T	T20	36	18	12 / 144
163625T	T25	36	18	12 / 144
163627T	T27	36	18	12 / 144
163630T	T30	36	18	12 / 144
163640T	T40	36	20	12 / 144
163645T	T45	36	21	12 / 144
163650T	T50	36	23	12 / 144
163655T	T55	36	28	12 / 144
163660T	T60	36	33	12 / 120
168010T	T10	80	46	6 / 72
168015T	T15	80	47	6 / 72
168020T	T20	80	47	6 / 72
168025T	T25	80	47	6 / 72
168027T	T27	80	47	6 / 72
168030T	T30	80	47	6 / 72
168040T	T40	80	48	6 / 72
168045T	T45	80	49	6 / 72
168050T	T50	80	50	6 / 72
168055T	T55	80	52	6 / 72
168060T	T60	80	70	6 / 60



# Bit

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

10mm Hex size shank driver

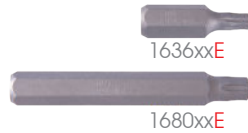


order unit : one blister card

## 1600E



- For torx Plus head screw
- 36 / 80mmL

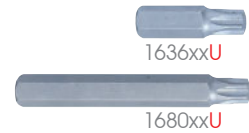


KT NO.	Size	Overall length (mm)	g	Box / Carton
163610E	IP10	36	15	12 / 144
163615E	IP15	36	16	12 / 144
163620E	IP20	36	16	12 / 144
163625E	IP25	36	16	12 / 144
163627E	IP27	36	17	12 / 144
163630E	IP30	36	17	12 / 144
163640E	IP40	36	18	12 / 144
163645E	IP45	36	20	12 / 144
163650E	IP50	36	21	12 / 144
163655E	IP55	36	25	12 / 144
163660E	IP60	36	31	12 / 120
168010E	IP10	80	45	6 / 72
168015E	IP15	80	45	6 / 72
168020E	IP20	80	45	6 / 72
168025E	IP25	80	46	6 / 72
168027E	IP27	80	46	6 / 72
168030E	IP30	80	47	6 / 72
168040E	IP40	80	48	6 / 72
168045E	IP45	80	49	6 / 72
168050E	IP50	80	50	6 / 72
168055E	IP55	80	60	6 / 72
168060E	IP60	80	79	6 / 60

## 1600U



- For torx head screw
- Tamper-resistant type
- 36 / 80mmL

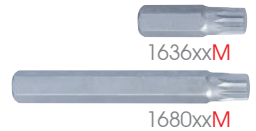


KT NO.	Size	Overall length (mm)	g	Box / Carton
163610U	T10H	36	17	12 / 144
163615U	T15H	36	17	12 / 144
163620U	T20H	36	18	12 / 144
163625U	T25H	36	18	12 / 144
163627U	T27H	36	18	12 / 144
163630U	T30H	36	18	12 / 144
163640U	T40H	36	20	12 / 144
163645U	T45H	36	21	12 / 144
163650U	T50H	36	23	12 / 144
163655U	T55H	36	28	12 / 144
163660U	T60H	36	33	12 / 120
168010U	T10H	80	46	6 / 72
168015U	T15H	80	47	6 / 72
168020U	T20H	80	47	6 / 72
168025U	T25H	80	47	6 / 72
168027U	T27H	80	47	6 / 72
168030U	T30H	80	47	6 / 72
168040U	T40H	80	48	6 / 72
168045U	T45H	80	49	6 / 72
168050U	T50H	80	50	6 / 72
168055U	T55H	80	52	6 / 72
168060U	T60H	80	70	6 / 60

## 1600M



- 36 / 80mmL

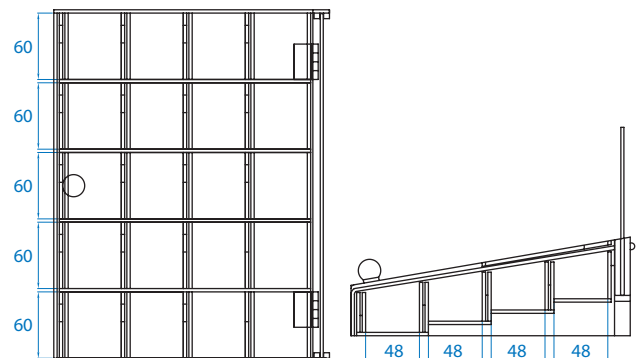


KT NO.	Size	Overall length (mm)	g	Box / Carton
163605M	M5	36	18	12 / 144
163606M	M6	36	19	12 / 144
163608M	M8	36	20	12 / 144
163609M	M9	36	21	12 / 144
163610M	M10	36	22	12 / 144
163612M	M12	36	28	12 / 120
163614M	M14	36	30	12 / 120
168005M	M5	80	47	6 / 72
168006M	M6	80	48	6 / 72
168008M	M8	80	49	6 / 72
168009M	M9	80	51	6 / 72
168010M	M10	80	52	6 / 72
168012M	M12	80	70	6 / 60
168014M	M14	80	71	6 / 60

## Bit Display Box

### 87352

- Overall size - W 318 x D 235 x H 183 mm
- Weight - 1.3 Kg / Cuft - 0.4



# Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

## 1011MQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



11  
PC.

Contents

0.82 1 / 20

	1636M	M5, M6, M8, M10, M12
	1680M	M5, M6, M8, M10, M12
	414810M	

## 1015MQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



15  
PC.

Contents

0.96 1 / 20

	1636H	H4, H5, H6, H7, H8, H10, H12
	1680H	H4, H5, H6, H7, H8, H10, H12
	414810M	

## 1015PQ

Metal case size (mm) : 198 x 105 x 37 (0.027 cuft)



15  
PC.

Contents

0.90 1 / 20

	1636T	T20, T25, T30, T40, T45, T50, T55
	1680T	T20, T25, T30, T40, T45, T50, T55
	414810M	

## 1023EQ

Metal case size (mm) : 244 x 118 x 37 (0.038 cuft)



23  
PC.

Contents

1.60 1 / 18

	1636E	10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP
	1680E	10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP
	414810M	

## 1040CQ

Metal case size (mm) : 320 x 153 x 31 (0.054 cuft)



40  
PC.

Contents

2.0 1 / 10

	1630M	M5, M6, M8, M10, M12
	1630H	H4, H5, H6, H7, H8, H10, H12
	1630T	T20, T25, T30, T40, T45, T50, T55
	1675M	M5, M6, M8, M10, M12
	1675H	H4, H5, H6, H7, H8, H10, H12
	1675T	T20, T25, T30, T40, T45, T50, T55
	314810M, 414810M	

## 1042CQ

Metal case size (mm) : 205 x 80 x 42 (0.024 cuft)



42  
PC.

Contents

0.52 1 / 20

	1025H	H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8, H10
	1025T	T6
	1025U	T7H, T8H, T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H
	1025S	3 x 0.5, 3.5 x 0.6, 4 x 0.5, 4.5 x 0.6, 5 x 0.8, 5.5 x 0.8, 6 x 1.0, 6.5 x 1.2, 7 x 1.2, 8 x 1.2
	1025P	PH0, PH1, PH2, PH3
	1025Z	PZ1, PZ2, PZ3
	1025R	RB0, RB1, RB2, RB3

## 1043CQ

Metal case size (mm) : 290 x 130 x 41 (0.056 cuft)



43  
PC.

Contents

2.50 1 / 10

	1636H	H4, H5, H6, H7, H8, H10, H12
	1636M	M5, M6, M8, M10, M12
	1636T	T20, T25, T27, T30, T40, T45, T50, T55, T60
	1680H	H4, H5, H6, H7, H8, H10, H12
	1680M	M5, M6, M8, M10, M12
	1680T	T20, T25, T27, T30, T40, T45, T50, T55, T60
	414710M	





# Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

## 1044CQ

Metal case size (mm) : 296 x 130 x 41 (0.056 cuft)



44 PC.

Contents 2.5 1 / 10

	1636H	H4, H5, H6, H7, H8, H10, H12
	1636M	M5, M6, M8, M10, M12
	1636T	T20, T25, T27, T30, T40, T45, T50, T55, T60
	1680H	H4, H5, H6, H7, H8, H10, H12
	1680M	M5, M6, M8, M10, M12
	1680T	T20, T25, T27, T30, T40, T45, T50, T55, T60
	314810M, 414810M	

## 5169PR

Metal case size (mm) : 445 x 187 x 50 (0.147 cuft)



69 PC.

Contents 4.15 1 / 4

	3375M	E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18
	1147R	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H
	1636H	H4, H5, H6, H7, H8, H10, H12
	1636M	M5, M6, M8, M10, M12
	1636T	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60
	1680H	H4, H5, H6, H7, H8, H10, H12
	1680M	M5, M6, M8, M10, M12
	1680T	T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60
	314810M	3792  3779-08G

# Ratchet Screwdriver & Set

## 2166DF

- Two position L-handle design for greater torque
- PC+TPR Handle



KT NO.	Gear	Overall Length (mm)		
2166DF	46 teeth	167	0.28	6 / 72

## 32809MR

- 9-in-1 ratchet screwdriver set
- Reversible ratchet with 1/4" bit holder



9 PC.

Contents 0.32 6 / 72

	1025S	4.0, 5.0
	1025P	PH1, PH2, PH3
	1025Z	PZ1, PZ2
	750-60	
	2166DF	

## 2555MR

1/4"

- Ratchet screwdriver set
- Blow case size (mm) : 260 x 160 x 64 (0.094 cuft)



55 PC.

Contents 1.00 1 / 10

	1025S	3.0, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 8.0
	1025P	PH0, PH1, PH2, PH3
	1025Z	PZ0, PZ1, PZ2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H2, H2.5, H3, H4, H5, H6, H8
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	1025R	RB1, RB2
	7702-25	
	750-60	
	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	2166DF	

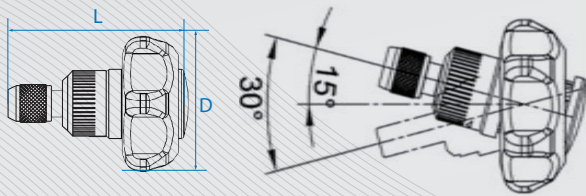


# Palm Ratchet Screwdriver & Set



## 2746 1/4"

- 48 teeth
- With an internal soft structure, it allows the operator to spin fasteners on and off in hard-to-reach areas
- Stubby grip fitting the palm, good to use in a confined space



KT NO.	D (mm)	L (mm)		
2746	60	72	95	1 / 48

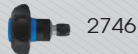


## 1048MR 1/4"

Contents

0.53 1 / 12

	1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0
	1025P	PH1 x 2, PH2 x 2 $\varnothing$ 6mm, PH3, PH2 $\varnothing$ 4.7mm
	1025T	T10, T15, T20 x 2, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H
	1025Z	P22 x 2
	7150T	T15, T20, T25,
	7150P	PH2 x 2
	7150Z	P22
	7150S	4.0 x 0.8, 6.0 x 1.0
	7150H	H3, H4, H5, H6, H7, H8
	750-75	1/4"
	753-63	1/4"



49 PC.



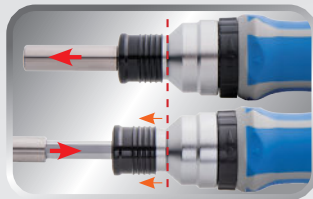
Plastic case size (mm) : 150 x 102 x 46 (0.025 cuft)

# Ratchet Screwdriver & Set

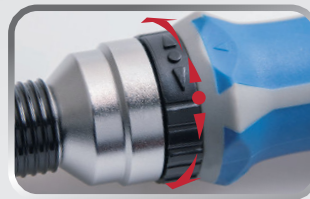


## 32808MR 1/4"

- 8-in-1 ratchet screwdriver set
- Reversible ratchet screwdriver with max torque 45 Nm
- 45 teeth
- Magnetic nut setter 1/4" and bit holder
- Extended blades max. 135mmL
- Extended drive gets into hard-to-reach space easily



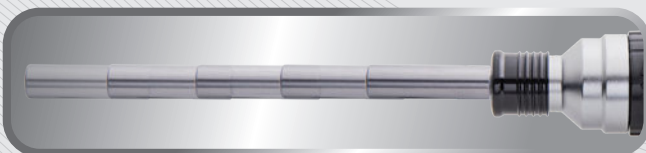
▪ Extended magnetic bit holder



▪ Forward, reverse and neutral



▪ 6 bit storage compartment cap



▪ Telescopic ratchet screwdriver

Contents

0.27 1 / 48

	1025P	PH1, PH2
	1025Z	PZ2
	1025S	4.0 x 0.5, 5.5 x 0.8, 6.5 x 1.2
	2155-06	
	2155DF	

## 32526MRN

Contents

0.7 1 / 30

	PH1		PH2	1317012PN
	4.0		6.0	1317046SN
	5.0		7.0	1317057SN
	T10		T15	1317115TN
	T20		T25	1317225TN
	B4		H4	131744BHN
	B5		H5	131755BHN
	B6		H6	131766BHN
	2155DF			



16 PC.

Contents

	1025S	4.0, 5.5, 6.5
	1025P	PH1, PH2
	1025Z	PZ2
	2155-06	



# Atom Series

Asymmetrical line design

**PAT.**

26  
PC.



SCREWDRIVERS & L-WRENCHES & BITS

## 1026CQ-AM

Plastic case size (mm) :  
140 x 65 x 36



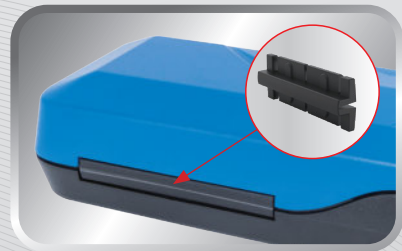
▪ Easy to pick up



▪ Automatic raising bit rack



▪ Suitable in pocket



▪ Built-in rotation axis design

Contents

0.39 kg 1 / 40

	1025P	PH1, PH2, PH3
	1025Z	PZ1, PZ2, PZ3
	1025U	T10H, T15H, T20H, T25H, T30H
	1025H	H3, H4, H5, H6, H8
	1025T	T10, T15, T20, T25, T27, T30, T40
	7702-25	
	753-63	
	Mini bit ratchet	



# Bit Set

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, sand-blasted

## 1032CQ

Plastic case size (mm) :  
120 x 70 x 42 (0.012 cuft)



32  
PC.

### Contents

0.30 1 / 20

	1025S	3.0, 4.0, 5.0, 6.0
	1025P	PH1, PH2 x 2, PH3
	1025Z	PZ1, PZ2 x 2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	7702-25	
	753-63	

## 1032CQ01

Plastic case size (mm) :  
120 x 70 x 42 (0.012 cuft)



33  
PC.

### Contents

0.30 1 / 20

	1025S	3.0, 4.0, 5.0, 6.0
	1025P	PH1, PH2 x 2, PH3
	1025Z	PZ1, PZ2 x 2, PZ3
	1025T	T10, T15, T20, T25, T27, T30, T40
	1025H	H3, H4, H5, H6
	1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H
	1025R	RB2
	7702-25	
	753-63	

# Bit Set

KT NO.	PC.	Contents		
102502P-S1	25	1025P PH2 x 25 PC.	161	12 / 72
102502Z-S1	25	1025Z PZ2 x 25 PC.	161	12 / 72
102510T-S1	25	1025T T10 x 25 PC.	136	12 / 72
102515T-S1	25	1025T T15 x 25 PC.	140	12 / 72
102520T-S1	25	1025T T20 x 25 PC.	142	12 / 72
102525T-S1	25	1025T T25 x 25 PC.	144	12 / 72
102530T-S1	25	1025T T30 x 25 PC.	146	12 / 72



# Power Driving

## 7100P



- Short neck (9.5 mm) type
- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	kg	10 / 150
715000P	PH0	50	8		
715001P	PH1	50	9		
715002P	PH2	50	11		
715003P	PH3	50	11		
715004P	PH4	50	14		10 / 150
716502P	PH2	65	15		
717001P	PH1	70	16		
717002P	PH2	70	17		
717003P	PH3	70	17		
719001P	PH1	90	18		
719002P	PH2	90	20		
719003P	PH3	90	20		
711002P	PH2	100	24		10 / 120
711501P	PH1	150	23		
711502P	PH2	150	33		
711503P	PH3	150	33		

## 7100H



- DIN ISO 2351-3



KT NO.	mm / inch	Overall length (mm)	g	kg	10 / 150
715002H	H2	50	6		
715025H	H2.5	50	6		
715003H	H3	50	6		
715004H	H4	50	9		
715005H	H5	50	10		
715006H	H6	50	11		
715007H	H7	50	13		
715008H	H8	50	17		
715012SH	3/16	50	20		10 / 150
715014SH	7/32	50	22		
<b>new</b> 717002H	H2	70	8		
<b>new</b> 717025H	H2.5	70	8		
<b>new</b> 717003H	H3	70	9		
<b>new</b> 717004H	H4	70	13		
717005H	H5	70	15		
717006H	H6	70	18		
717007H	H7	70	21		
717008H	H8	70	25		10 / 60
711102H	H2	110	11		
711125H	H2.5	110	11		
711103H	H3	110	14		
711104H	H4	110	18		10 / 120
711105H	H5	110	24		
711106H	H6	110	29		
711107H	H7	110	34		
711108H	H8	110	42		
711110H	H10	110	62		8 / 80
<b>new</b> 711502H	H2	150	16		
<b>new</b> 711503H	H3	150	18		
<b>new</b> 711504H	H4	150	25		
711505H	H5	150	34		10 / 120
<b>new</b> 711506H	H6	150	40		
711507H	H7	150	47		
<b>new</b> 711508H	H8	150	59		
711512SH	3/16	150	68		

## 7150S



- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	kg	10 / 150
715003S1	3.0	0.5	50	6		
715035S1	3.5	0.5	50	6		
715004S2	4.0	0.5	50	7		
715004S1	4.0	0.8	50	7		
715045S1	4.5	0.6	50	7		10 / 150
715005S1	5.0	0.8	50	8		
715055S1	5.5	0.8	50	8		
715055S2	5.5	1.0	50	8		
715006S1	6.0	1.0	50	8		
715065S1	6.5	1.2	50	9		

## 7100T



- For torx head screw



KT NO.	Size	Overall length (mm)	g	kg	10 / 150
715006T	T6	50	5		
715007T	T7	50	5		
715008T	T8	50	5		
715009T	T9	50	5		
715010T	T10	50	6		
715015T	T15	50	6		
715020T	T20	50	7		
715025T	T25	50	8		
715027T	T27	50	9		
715030T	T30	50	9		
715040T	T40	50	10		
715050T	T50	50	15		10 / 150
717006T	T6	70	7		
717007T	T7	70	7		
717008T	T8	70	7		
717009T	T9	70	7		
717010T	T10	70	8		
717015T	T15	70	8		
717020T	T20	70	10		
717025T	T25	70	11		
717027T	T27	70	14		
717030T	T30	70	14		
717040T	T40	70	15		
711110T	T10	110	14		
711115T	T15	110	14		
711120T	T20	110	18		
711125T	T25	110	19		
711127T	T27	110	24		
711130T	T30	110	24		
711140T	T40	110	28		
711506T	T6	150	16		
711507T	T7	150	16		10 / 120
711508T	T8	150	16		
711509T	T9	150	16		
711510T	T10	150	17		
711515T	T15	150	18		
711520T	T20	150	24		
711525T	T25	150	24		
711527T	T27	150	32		
711530T	T30	150	33		
711540T	T40	150	39		



# Power Driving

## 7100Z

- DIN ISO 2351-2

KT NO.	⊕ No.	Overall length (mm)	g	10 / 150
715001Z	PZ1	50	9	10 / 150
715002Z	PZ2	50	11	
715003Z	PZ3	50	12	
717001Z	PZ1	70	11	
717002Z	PZ2	70	15	10 / 120
717003Z	PZ3	70	15	
719001Z	PZ1	90	13	10 / 120
719002Z	PZ2	90	19	
719003Z	PZ3	90	19	

## 7100U

- For torx head screw
- Tamper-resistant type

KT NO.	⊕ Size	Overall length (mm)	g	10 / 150
715006U	T6H	50	7	10 / 150
715007U	T7H	50	5	
715008U	T8H	50	5	
715009U	T9H	50	5	
715010U	T10H	50	7	
715015U	T15H	50	7	
715020U	T20H	50	7	
715025U	T25H	50	8	
715027U	T27H	50	9	
715030U	T30H	50	9	
715040U	T40H	50	11	
717010U	T10H	70	8	
717015U	T15H	70	8	
717020U	T20H	70	10	
717025U	T25H	70	11	
717027U	T27H	70	13	
717030U	T30H	70	13	
717040U	T40H	70	15	
711110U	T10H	110	14	10 / 120
711115U	T15H	110	14	
711120U	T20H	110	18	
711125U	T25H	110	19	
711127U	T27H	110	24	
711130U	T30H	110	24	
711140U	T40H	110	28	

## 7100R

KT NO.	⊕ Size	Overall length (mm)	g	10 / 150
715000R	RB0	50	7	10 / 150
715001R	RB1	50	8	
715002R	RB2	50	8	
715003R	RB3	50	8	
717000R	RB0	70	9	
717001R	RB1	70	11	
717002R	RB2	70	13	
717003R	RB3	70	13	

## 2128PR

- torx head tamper-resistant & L-type holder set

Contents	g	10 / 60
7170U T10H, T15H, T20H, T25H, T27H, T30H, T40H	0.17	10 / 60
158902ERA		

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic **1/4"** Hex size shank driver



order unit: one blister card

## 2138PR

- Hexagon head power bits & L-type holder set

Contents	g	10 / 60
7150H H2, H3, H4, H5, H6, H7, H8	0.24	10 / 60
158902ERA		

## 7400P

- Short head type

KT NO.	⊕ No.	Overall length (mm)	g	10 / 150
745002P	PH2	50	11	10 / 150
747501P	PH1	75	16	10 / 150
747502P	PH2	75	15	10 / 150
747503P	PH3	75	16	10 / 150
741002P	PH2	100	23	10 / 120
741502P	PH2	150	37	10 / 100
742002P	PH2	200	50	10 / 100
743002P	PH2	300	70	10 / 40
743003P	PH3	300	77	10 / 40

## 7300P

- Long head type

KT NO.	⊕ No.	Overall length (mm)	g	10 / 150
734501P	PH1	45	9	10 / 150
734502P	PH2	45	9	
734503P	PH3	45	10	
736501P	PH1	65	14	
736502P	PH2	65	14	10 / 120
736503P	PH3	65	14	
731101P	PH1	110	26	
731102P	PH2	110	26	10 / 120
731103P	PH3	110	26	
731502P	PH2	150	32	
731503P	PH3	150	33	



**5mm** Hex size shank driver order unit: one box

Inset Size: The suggested size is according to the depth of bit holder which a bit is inserted.

## 7200P

- Long head typed

KT NO.	⊕ No.	Overall length (mm)	g	10 / 100
726502P	PH2	65	8	10 / 100
727502P	PH2	75	10	
721102P	PH2	110	14	



# Power Driving

## 7100P-S1



- Short neck (9.5 mm) type
- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	set / box
715000P-S1	PH0	50	16	1 / 20
715001P-S1	PH1	50	18	
715002P-S1	PH2	50	22	
715003P-S1	PH3	50	22	
715004P-S1	PH4	50	28	
716502P-S1	PH2	65	30	
717001P-S1	PH1	70	32	
717002P-S1	PH2	70	34	
717003P-S1	PH3	70	34	
719001P-S1	PH1	90	36	
719002P-S1	PH2	90	40	
719003P-S1	PH3	90	40	
711002P-S1	PH2	100	48	
711501P-S1	PH1	150	46	
711502P-S1	PH2	150	66	
711503P-S1	PH3	150	66	

## 7100H-S1



- DIN ISO 2351-3



KT NO.	mm / inch	Overall length (mm)	g	set / box
715002H-S1	H2	50	12	1 / 20
715025H-S1	H2.5	50	12	
715003H-S1	H3	50	12	
715004H-S1	H4	50	18	
715005H-S1	H5	50	20	
715006H-S1	H6	50	22	
715007H-S1	H7	50	26	
715008H-S1	H8	50	34	
715012SH-S1	3/16	50	20	
715014SH-S1	7/32	50	22	
717005H-S1	H5	70	30	
717006H-S1	H6	70	36	
717007H-S1	H7	70	42	
711102H-S1	H2	110	22	
711125H-S1	H2.5	110	22	
711103H-S1	H3	110	28	
711104H-S1	H4	110	36	
711105H-S1	H5	110	48	
711106H-S1	H6	110	58	
711107H-S1	H7	110	68	
711505H-S1	H5	150	68	
711507H-S1	H7	150	94	
711512SH-S1	3/16	150	68	

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic
- 2 PC. bits set **1/4" Hex size shank driver** order unit : one blister card



## 7150S-S1



- DIN ISO 2351-1



KT NO.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	set / box
715003S1-S1	3.0	0.5	50	12	1 / 20
715035S1-S1	3.5	0.5	50	12	
715004S2-S1	4.0	0.5	50	14	
715004S1-S1	4.0	0.8	50	14	
715045S1-S1	4.5	0.6	50	14	
715005S1-S1	5.0	0.8	50	16	
715055S1-S1	5.5	0.8	50	16	
715055S2-S1	5.5	1.0	50	16	
715006S1-S1	6.0	1.0	50	16	
715065S1-S1	6.5	1.2	50	18	

## 7100T-S1



- For torx head screw



KT NO.	Size	Overall length (mm)	g	set / box
715006T-S1	T6	50	10	1 / 20
715007T-S1	T7	50	10	
715008T-S1	T8	50	10	
715009T-S1	T9	50	10	
715010T-S1	T10	50	12	
715015T-S1	T15	50	12	
715020T-S1	T20	50	14	
715025T-S1	T25	50	16	
715027T-S1	T27	50	18	
715030T-S1	T30	50	18	
715040T-S1	T40	50	20	
715050T-S1	T50	50	30	
717006T-S1	T6	70	14	
717007T-S1	T7	70	14	
717008T-S1	T8	70	14	
717009T-S1	T9	70	14	
717010T-S1	T10	70	14	
717015T-S1	T15	70	16	
717020T-S1	T20	70	16	
717025T-S1	T25	70	20	
717027T-S1	T27	70	22	
717030T-S1	T30	70	28	
717040T-S1	T40	70	28	
711110T-S1	T10	110	30	
711115T-S1	T15	110	28	
711120T-S1	T20	110	28	
711125T-S1	T25	110	36	
711127T-S1	T27	110	38	
711130T-S1	T30	110	48	
711140T-S1	T40	110	48	
711506T-S1	T6	150	56	
711507T-S1	T7	150	32	
711508T-S1	T8	150	32	
711509T-S1	T9	150	32	
711510T-S1	T10	150	34	
711515T-S1	T15	150	36	
711520T-S1	T20	150	48	
711525T-S1	T25	150	48	
711527T-S1	T27	150	64	
711530T-S1	T30	150	66	
711540T-S1	T40	150	78	



# Power Driving

## 7100Z-S1

- DIN ISO 2351-2



KT NO.	No.	Overall length (mm)	g	set / box
715001Z-S1	PZ1	50	18	1 / 20
715002Z-S1	PZ2	50	22	
715003Z-S1	PZ3	50	24	
717001Z-S1	PZ1	70	22	
717002Z-S1	PZ2	70	30	
717003Z-S1	PZ3	70	30	
719001Z-S1	PZ1	90	26	
719002Z-S1	PZ2	90	38	
719003Z-S1	PZ3	90	38	

## 7100U-S1

- For torx head screw
- Tamper-resistant type



KT NO.	Size	Overall length (mm)	g	set / box
715006U-S1	T6H	50	14	1 / 20
715007U-S1	T7H	50	10	
715008U-S1	T8H	50	10	
715009U-S1	T9H	50	10	
715010U-S1	T10H	50	14	
715015U-S1	T15H	50	14	
715020U-S1	T20H	50	14	
715025U-S1	T25H	50	16	
715027U-S1	T27H	50	18	
715030U-S1	T30H	50	18	
715040U-S1	T40H	50	22	
717010U-S1	T10H	70	16	
717015U-S1	T15H	70	16	
717020U-S1	T20H	70	20	
717025U-S1	T25H	70	22	
717027U-S1	T27H	70	26	
717030U-S1	T30H	70	26	
717040U-S1	T40H	70	30	
711110U-S1	T10H	110	28	
711115U-S1	T15H	110	28	
711120U-S1	T20H	110	36	
711125U-S1	T25H	110	38	
711127U-S1	T27H	110	48	
711130U-S1	T30H	110	48	
711140U-S1	T40H	110	56	

## 7100R-S1



KT NO.	Size	Overall length (mm)	g	set / box
715000R-S1	RB0	50	14	1 / 20
715001R-S1	RB1	50	16	
715002R-S1	RB2	50	16	
715003R-S1	RB3	50	16	
717000R-S1	RB0	70	18	
717001R-S1	RB1	70	22	
717002R-S1	RB2	70	26	
717003R-S1	RB3	70	26	

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic
- 2 PC. bits set

1/4" Hex size shank driver

order unit : one blister card



## 7400P-S1

- Short head type



KT NO.	No.	Overall length (mm)	g	set / box
745002P-S1	PH2	50	22	1 / 20
747501P-S1	PH1	75	32	
747502P-S1	PH2	75	30	
747503P-S1	PH3	75	32	
741002P-S1	PH2	100	46	
741502P-S1	PH2	150	74	

## 7300P-S1

- Long head type



KT NO.	No.	Overall length (mm)	g	set / box
734501P-S1	PH1	45	18	1 / 20
734502P-S1	PH2	45	18	
734503P-S1	PH3	45	20	
736501P-S1	PH1	65	28	
736502P-S1	PH2	65	28	
736503P-S1	PH3	65	28	
731101P-S1	PH1	110	52	
731102P-S1	PH2	110	52	
731103P-S1	PH3	110	52	
731502P-S1	PH2	150	64	
731503P-S1	PH3	150	66	

Insert Size: The suggested size is according to the depth of bit holder which a bit is inserted.

5mm Hex size shank driver

order unit : one box



## 7200P-S1

- Long head typed



KT NO.	No.	Overall length (mm)	g	set / box
726502P-S1	PH2	65	16	1 / 20
727502P-S1	PH2	75	20	
721102P-S1	PH2	110	28	



# Power Driving

- Silicon chrome vanadium alloy steel (S2)
- Nickel plated
- Magnetic

1/4" Hex size shank driver



## 1300P



- Long head type



KT NO.	⊕ No.	Overall length (mm)	g	⊕ / ⊖
134501P	PH1	45	8	10 / 300
134502P	PH2	45	9	10 / 300
134503P	PH3	45	9	10 / 300
136501P	PH1	65	14	10 / 200
136502P	PH2	65	14	10 / 200
136503P	PH3	65	14	10 / 200
131101P	PH1	110	26	10 / 150
131102P	PH2	110	26	10 / 150
131103P	PH3	110	26	10 / 150
131501P	PH1	150	36	10 / 100
131502P	PH2	150	36	10 / 100
131503P	PH3	150	37	10 / 100

## 1500P



- Short head type



KT NO.	⊕ No.	Overall length (mm)	g	⊕ / ⊖
155001P	PH1	50	10	10 / 300
155002P	PH2	50	10	10 / 300
155003P	PH3	50	10	10 / 300
157501P	PH1	75	16	10 / 200
157502P	PH2	75	16	10 / 200
157503P	PH3	75	17	10 / 200
151001P	PH1	100	23	10 / 150
151002P	PH2	100	23	10 / 150
151003P	PH3	100	23	10 / 150
151501P	PH1	150	36	10 / 100
151502P	PH2	150	37	10 / 100
151503P	PH3	150	37	10 / 100

## 7300P



- Long head type



KT NO.	⊕ No.	Tip width (mm)	Tip thickness (mm)	Overall length (mm)	g	⊕ / ⊖
734551P	PH1	5.0	0.8	45	8	10 / 300
734552P	PH2	5.0	0.8	45	8	10 / 300
736552P	PH2	5.0	0.8	65	13	10 / 200
731152P	PH2	5.0	0.8	110	25	10 / 150
731552P	PH2	5.0	0.8	150	36	10 / 100

- Silicon chrome vanadium alloy steel (S2)
- Anti-rust oiled, phosphate sunk
- Magnetic

1/4" Hex size shank driver



## 13A6502P



- Long head type
- For ironwork screws



KT NO.	⊕ No.	Overall length (mm)	g	⊕ / ⊖
13A6502P	PH2	65	8	10 / 100

## 13B6502P



- Long head type
- For woodwork screws



KT NO.	⊕ No.	Overall length (mm)	g	⊕ / ⊖
13B6502P	PH2	65	8	10 / 100

- Chrome vanadium & stainless alloy steel
- Anti-rust oiled, sand-blasted
- Magnetic

1/4" Hex size shank driver



## 750

## 750-50A



- Magnetic bit holder
- 2 PC. type
- 750-50A : with spring clip
- DIN 7427



KT NO.	inch	Overall length (mm)	g	⊕ / ⊖
750-60	1/4	60	20	6 / 84
750-50A	1/4	50	22	6 / 84

KT NO.	inch	Overall length (mm)	g	⊕ / ⊖
750-75	1/4	75	30	1 / 20
750-100	1/4	100	37	1 / 20
750-150	1/4	150	50	1 / 20

## 751



- Magnetic bit holder
- 1 PC. type
- With spring clip
- DIN 7427



KT NO.	inch	Overall length (mm)	g	⊕ / ⊖
751-60	1/4	60	24	6 / 84
751-75	1/4	75	36	6 / 84



# Power Driving

- Chrome vanadium & stainless alloy steel
- Anti-rust oiled , sand-blasted
- Magnetic

## 752

- Magnetic bit holder
- 2 PC. type
- With quick-release sleeve
- DIN 7427



KT NO.	inch	Overall length (mm)		
752-60	1/4	63	33	6 / 72
KT NO.	inch	Overall length (mm)		
752-75	1/4	75	32	1 / 20
752-100	1/4	100	38	1 / 20
752-150	1/4	150	52	1 / 20
752-300	1/4	300	92	1 / 20

## 753

- 753-63
- Magnetic bit holder
- 2 PC. type
- With quick-release sleeve
- For 1025 bit
- DIN 7427



KT NO.	inch	Overall length (mm)		
753-63	1/4	63	33	6 / 72

## 753A

- 753A-370
- Quick release bit holder
- Extra-long extended driver for limited space
- Magnetic bit holder
- For power bits



KT NO.	inch	Overall length (mm)		
753A-370	1/4	370	170	1 / 4

1/4" Hex size shank driver

## 754

- Universal joint bit holder
- 20 degree pivot mode allows for limited space accessibility
- Can be used in straight or pivot mode



KT NO.	inch	Overall Length (mm)		
754-90	1/4	90	52	1 / 20

## 755

- Quick release flexible bit holder
- Flexible shaft driver
- The flex shaft accepts any standard hex fitting
- Quick release fits double end power bits and 50mm power bits



KT NO.	inch	Overall length (mm)		
755-300	1/4	300	293	1 / 6
755-400	1/4	400	385	1 / 12

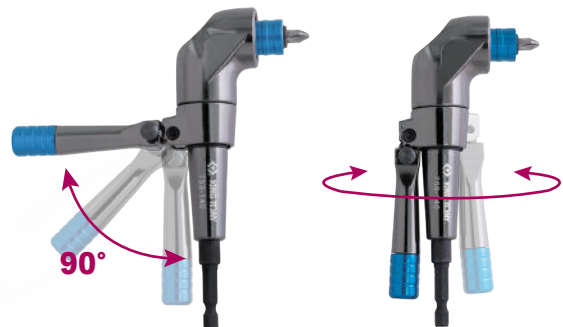
# Angle Driver

- The body is zin alloy steel
- The arm is chrome vanadium alloy steel
- The chuck is aluminum alloy steel
- Magnetic

1/4" Hex size shank driver

## 759

- Heavy duty right angle bit holder
- This heavy duty 90 degree offset driver with 24 position gripped stabilizer arm is designed for use with power drivers 18-24 Volts
- Its head is shorter than 2.5" which is suitable to use in limited space
- Locking magnetic chuck accepts any 1/4" hex drive accessory such as twist drills, spade drills, step drills, grinding stones, buffer pads, nut drivers and screwdriver bits
- Durable all metal housing and steel gears with ball bearing construction
- Gripped stabilizer arm with 1 screwdriver bit storage
- It's amazing capacity for up to 500 inch lbs with 2000 RPM



KT NO.	inch	Overall length (mm)		
759-140	1/4	140	305	12 / 48



# Power Driving

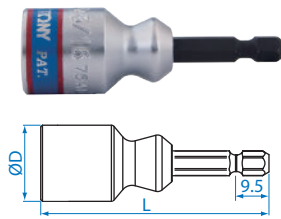
- Chrome vanadium alloy steel
- Anti-rust oiled, sand-blasted

1/4" Hex size shank driver



## 75A1

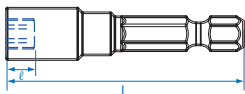
- Threaded rod socket
- Fastest tool available to tighten or loosen threaded rods
- Automatic locking cams
- Will not damage the threads when used properly



KT NO.	Size mm	Inch	D mm	L mm	Capacity Ø mm	g	kg
75A105M	5	3/16	22	66	4.6~5.0	60	10 / 72
75A106M	6	1/4	24	66	5.6~6.35	75	10 / 80
75A108M	8	5/16	24	66	7.6~8.0	74	10 / 80
75A110M	10	3/8	28	66	9.0~10.0	99	10 / 107
75A112M	12	1/2	28	66	11.4~12.7	98	10 / 103
75A114M	14	9/16	32	66	13.2~14.3	126	10 / 127
75A116M	16	5/8	32	66	15.2~16.0	125	10 / 125

## 760M

- Nut setter
- Non magnetic type
- DIN 3126



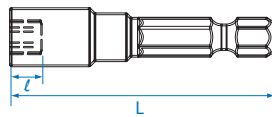
KT NO.	mm	ℓ mm	Overall length (mm)	g	kg
7605512M	12	7.0	55	55	6 / 72
7606512M	12	6.8	65	50	6 / 72
7607510M	10	6.0	75	38	6 / 72

KT NO.	mm	ℓ mm	Overall length (mm)	g	kg
7601012M	12	7.5	100	61	1 / 25
7601013M	13	7.0	100	70	1 / 25

KT NO.	Inch	ℓ mm	Overall length (mm)	g	kg
7606508S	1/4	4.8	65	20	6 / 84
7606510S	5/16	6.6	65	30	6 / 84
7606512S	3/8	6.8	65	36	6 / 72

## 761M

- Nut setter
- Magnetic type
- DIN 3126



KT NO.	mm	ℓ mm	Overall length (mm)	g	kg
7616505M	5	2.3	65	27	6 / 84
7616506M	6	2.6	65	26	6 / 84
7616507M	7	2.9	65	25	6 / 84
7616508M	8	3.5	65	30	6 / 84
7616510M	10	4.5	65	37	6 / 72
7616512M	12	5.6	65	52	6 / 72
7616513M	13	6.0	65	54	6 / 72
7616514M	14	6.5	65	52	6 / 20

KT NO.	mm	ℓ mm	Overall length (mm)	g	kg
7611006M	6	2.6	100	38	1 / 25
7611008M	8	3.5	100	48	1 / 25
7611010M	10	4.5	100	54	1 / 25
7611012M	12	5.6	100	68	1 / 25
7611013M	13	6.0	100	71	1 / 25
7611014M	14	6.5	100	77	1 / 25
7611506M	6	2.6	150	58	1 / 25
7611507M	7	2.9	150	65	1 / 25
7611508M	8	3.5	150	67	1 / 25
7611510M	10	4.5	150	68	1 / 25
7611512M	12	5.6	150	103	1 / 25
7611513M	13	6.0	150	110	1 / 25
7611514M	14	6.5	150	115	1 / 25
7612006M	6	2.6	200	78	1 / 20
7612008M	8	3.5	200	93	1 / 20
7612010M	10	4.5	200	89	1 / 20
7612012M	12	5.6	200	128	1 / 20
7612014M	14	6.5	200	128	1 / 20

KT NO.	Inch	ℓ mm	Overall length (mm)	g	kg
7614208S	1/4	2.7	42	15	6 / 84
7614210S	5/16	3.7	42	17	6 / 84
7614512S	3/8	4.7	45	22	6 / 84
7616508S	1/4	4.8	65	30	6 / 84
7616510S	5/16	6.6	65	31	6 / 84
7616512S	3/8	6.8	65	37	6 / 72
7616514S	7/16	6.8	65	39	6 / 72



# Power Driving

- Chrome vanadium alloy steel
- Anti-rust oiled, sand-blasted

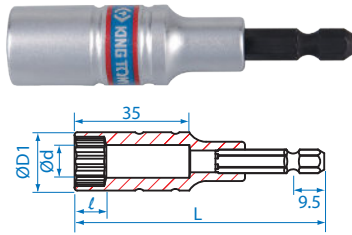
1/4" & 3/8" & 1/2"  
Hex size shank driver



## 76B



- Deep well nut setter
- Deep hole for bolt & nut
- Press-fitted high-durability shank
- Use for tightening step clamp in construction

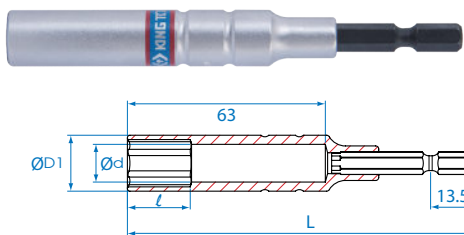


KT NO.	mm	D1 mm	ℓ mm	d mm	L mm	g	kg
76B808M	8	13	6	6	80	41	15 / 300
76B809M	9	13	6	7	80	40	15 / 300
76B810M	10	15	7	7	80	47	12 / 240
76B811M	11	16	7	9	80	52	12 / 240
76B812M	12	17	8	9	80	57	12 / 240
76B813M	13	18	9	10	80	62	12 / 240
76B814M	14	20	9	12	80	70	12 / 240
76B815M	15	21	10	12	80	77	12 / 240
76B816M	16	22	10	14	80	76	12 / 240
76B817M	17	24	11	14	80	95	12 / 144
76B819M	19	26	13	15	80	112	10 / 120
76B821M	21	28	13	19	80	113	10 / 120
76B822M	22	30	13	19	80	137	10 / 120
76B824M	24	32	13	21	80	146	6 / 96

## 76C



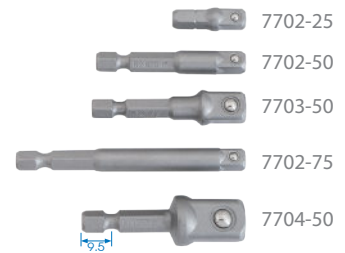
- 110mm length easy to reach at confined spaces
- Extra depth dimension 63mm perfectly go through various bolts
- Press-fit structure with durability socket suitable for 18V power tools
- Ideal for construction assembling, scaffolding and roof work



KT NO.	mm	D1 mm	ℓ mm	d mm	L mm	g	kg
76C1108M	8	14.0	12	7	110	71	12 / 216
76C1109M	9	14.0	14	8	110	64	12 / 216
76C1110M	10	15.0	15	9	110	67	12 / 216
76C1111M	11	17.0	17	10	110	84	10 / 180
76C1112M	12	17.0	18	11	110	74	10 / 180
76C1113M	13	18.0	20	12	110	79	10 / 180
76C1114M	14	20.0	21	13	110	99	10 / 180
76C1117M	17	24.0	26	16	110	139	10 / 180
76C1119M	19	26.0	29	18	110	158	10 / 180
76C1121M	21	28.0	30	20	110	161	8 / 144
new 76C1123M	23	29.8	30	22	110	200	8 / 96
76C1124M	24	32.0	30	23	110	216	8 / 96

## 770

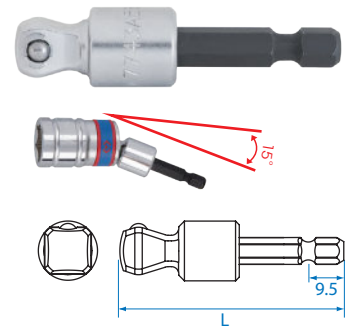
- Socket adapter
- Ball retainer type
- DIN 7428



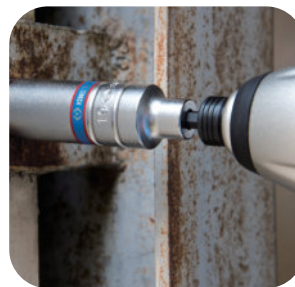
KT NO.	Size	Overall length (mm)	g	kg
7702-25	1/4"	25	6	20 / 200
7702-50	1/4"	50	13	10 / 100
7702-75	1/4"	75	23	10 / 100
7703-50	3/8"	50	23	6 / 84
7704-50	1/2"	50	24	6 / 72

## 774

- Bit adapter
- Wobble function provides up to 15° accessibility



KT NO.	Size	L mm	g	kg
7743-56	3/8"	56	30	6 / 72
7744-60	1/2"	60	42	6 / 72



# Power Bit Pocket Case

- Shockproof high quality materials
- Flexible for different length of power bit
- Functional design free slide open pocket storage case.

**PAT.**

# Spot Weld Drill Bit

## 7E511

- Material : HSS M35
- Special drill bit for removal of spot welds effectively
- Two cutting edge

KT NO.	Diameter mm	Length mm		
7E51180-60	8	60	32	100 / 600
7E51180-80	8	80	35	100 / 600



# Titanium Coated HSS Drill Bit Set

## 11101SQ

1/4"

- Titanium coated HSS drill set with standard 1/4" hex shank that will fit cordless screwdrivers, hand drills and impact drivers etc. or use in standard drill chuck
- Suitable for use with steel, wood, plastic etc
- Titanium nitride drill bits run cooler, drill smoother and last longer than standard bits
- High speed steel
- 120 deg. tips
- 1/4" hex shank for fast changes

Ø mm	Overall length mm
1.5	62
2	69
2.5	77
3	82
3.2	85
3.5	90
4	95
4.5	100
4.8	105
5	106



10 PC.

# Power Driving Set

## 1035MR

1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents		Kg 0.62	1 / 32
⊖	1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0	
⊕	1025P	PH1 x 2, PH2 x 2 $\varnothing$ 6mm, PH2 $\varnothing$ 4.7mm, PH3	
⊛	1025T	T15, T20 x 2, T25 x 2, T30 x 2, T40	
⊙	1025H	H3, H4, H5, H6	
⊛	1025Z	PZ2 x 2	
○	7E111	2.5, 3.0, 3.5, 4.0, 5.0	
○	754-90	1/4"	
○	7400P	PH2	
○	761M x 65L	8, 10, 13	
○	752-60	1/4"	



35 PC.

## 1036MR

1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents		Kg 0.59	1 / 32
⊖	1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0	
⊕	1025P	PH1 x 2, PH2 x 2 $\varnothing$ 6mm, PH2 $\varnothing$ 4.7mm, PH3	
⊛	1025T	T15, T20 x 2, T25 x 2, T30 x 2, T40	
⊙	1025H	H3, H4, H5, H6	
⊛	1025Z	PZ2 x 2	
⊛	7150T	T20, T25, T30	
⊛	7150Z	PZ2 x 2	
⊖	7150S	5.5 x 0.8	
⊕	7450P	PH2 x 2	
○	761M x 65L	8, 10, 13	
○	753-63	1/4"	



36 PC.

## 1044MR

1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents		Kg 0.63	1 / 32
⊖	1025S	3.0 x 0.5, 4.0 x 0.5, 5.0 x 0.8, 6.0 x 1.0	
⊕	1025P	PH1 x 2, PH2 x 2 $\varnothing$ 6mm, PH2 $\varnothing$ 4.7mm, PH3	
⊛	1025T	T10, T15, T20 x 2, T25, T27, T30, T40	
⊙	1025H	H3, H4, H5, H6	
⊛	1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H	
⊛	1025Z	PZ2 x 2	
⊛	7170T	T15, T20, T25,	
⊕	7170P	PH2 x 2	
⊛	7170Z	PZ2	
⊖	7150S	4.0 x 0.8, 6.0 x 1.0	
○	761M x 65L	6, 8, 10	
○	753-63	1/4"	



44 PC.



















# Power Driving Set

1045MR

1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents	 0.64	 /  1 / 32
 1025S	4.0 x 0.5, 5.5 x 0.8, 6.5 x 1.2	
 1025P	PH2 x 2 ø4.7mm	
 1025T	T10, T15, T20, T25, T27, T30, T35, T40	
 1025H	H2, H3, H4, H5, H6	
 1025U	T10H, T15H, T20H x 2, T25H, T27H, T30H, T40H	
 1025Z	PZ1, PZ2, PZ3	
 1025R	RB1, RB2, RB3	
 1550P	PH1, PH2 x 2, PH3	
 7150P	PH2	
 7E111	3, 4, 5	
 761M x 65L	8, 10, 13	
 750-50A	1/4"	
 7702-50	1/4" DR.	
















45  
PC.

1049CQ

1/4"

Plastic case size (mm) : 150 x 103 x 46 (0.025 cuft)

Contents	 0.51	 /  1 / 32
 1025P	PH1 x 2, PH2 x 2 ø6mm, PH2 x 2 ø4.7mm, PH3 x 2	
 1025S	4.0 x 0.5 x 2, 5.5 x 0.8 x 2, 6.5 x 1.2 x 2	
 1025H	H2, H2.5, H3, H4, H5, H6, H7, H8	
 1025Z	PZ1 x 2, PZ2 x 2, PZ3 x 2	
 1025U	T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H	
 1025T	T9, T10, T15, T20, T25, T27, T30, T40	
 1025R	RB1, RB2,	
 2141	1/4" DR. x 1/4"H	
 750-50A	1/4"	
 7702-25	1/4" DR.	



49  
PC.





# Hex Key & Set

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated

## 1145MR

- Standard arm type
- Allen head
- DIN ISO 2936



KT NO.	mm	mm	mm	g	Box / Case
114515MR	H1.5	16	47	1	20 / 400
114502MR	H2	18	52	1	20 / 400
114525MR	H2.5	21	59	3	20 / 400
114503MR	H3	24	66	5	20 / 400
114504MR	H4	30	74	10	20 / 400
114505MR	H5	33	85	18	20 / 400
114555MR	H5.5	36	91	23	10 / 200
114506MR	H6	38	97	29	10 / 200
114507MR	H7	41	102	43	10 / 200
114508MR	H8	44	108	58	10 / 200
114510MR	H10	50	122	101	10 / 200

## 1145SR



KT NO.	inch	mm	mm	g	Box / Case
114502SR	1/16	18	49	1	20 / 400
114525SR	5/64	20	52	1.5	20 / 400
114503SR	3/32	21	56	3	20 / 400
114504SR	1/8	25	63	5	20 / 400
114505SR	5/32	28	70	9	20 / 400
114506SR	3/16	31	77	15	20 / 400
114508SR	1/4	37	91	31	10 / 200
114510SR	5/16	42	106	55	10 / 200
114512SR	3/8	47	120	93	10 / 120
114516SR	1/2	54	146	195	10 / 120
114518SR	9/16	59	160	267	6 / 72
114520SR	5/8	64	175	362	6 / 72
114524SR	3/4	73	203	599	6 / 24

## 1125MR

- Extra long arm type
- Allen head
- DIN ISO 2936

KT NO.	mm	mm	mm	g	Box / Case
112515MR	H1.5	16	92	1	20 / 400
112502MR	H2	18	102	3	20 / 400
112525MR	H2.5	21	115	5	20 / 400
112503MR	H3	23	129	9	20 / 480
112504MR	H4	29	144	17	20 / 300
112505MR	H5	33	165	31	20 / 300
112506MR	H6	38	186	51	20 / 400
112507MR	H7	41	197	74	20 / 240
112508MR	H8	44	208	100	10 / 100
112510MR	H10	50	234	176	10 / 100
112512MR	H12	57	262	286	8 / 48
112514MR	H14	70	294	445	8 / 48
112517MR	H17	80	337	770	4 / 32
112519MR	H19	89	380	863	4 / 16
112522MR	H22	102	422	1590	2 / 16

## 1125SR



KT NO.	inch	mm	mm	g	Box / Case
112502SR	1/16	16	92	2	20 / 400
112525SR	5/64	18	102	3	20 / 400
112503SR	3/32	21	115	5	20 / 400
112504SR	1/8	23	129	9	20 / 400
112505SR	5/32	29	144	17	20 / 300
112506SR	3/16	33	165	28	20 / 300
112508SR	1/4	38	186	57	10 / 100
112510SR	5/16	44	208	100	10 / 100
112512SR	3/8	50	234	160	10 / 100
112516SR	1/2	57	262	319	8 / 48
112518SR	9/16	70	294	459	8 / 48



KT NO.	PC.	Spec.	Contents	g	Box / Case
20218MR	8	Knife type	H2, H2.5, H3, H4, H5, H6, H8, H10	0.29	12 / 72
20219MR	9	Standard arm	1145MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.33	6 / 48
20219SR	9		1145SR 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.33	6 / 48
20208MR	8	Extra long arm	1125MR H2, H2.5, H3, H4, H5, H6, H8, H10	0.43	8 / 48
20209MR	9		1125MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.49	8 / 48
20209SR02	9		1125SR 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.47	8 / 48

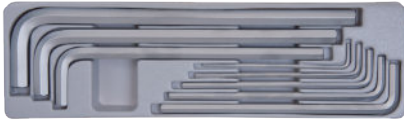


# Hex Key Set

20208MR01

20208SR01

20210MR



8  
PC.



10  
PC.

Metal case size (mm) :  
372 x 153 x 40 (0.08 cuft)

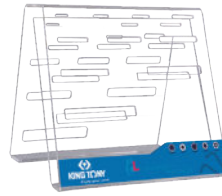
KT NO.	Spec.	Contents	kg	1.25	1 / 20
20208MR01	Extra long arm	● 1125MR H3, H4, H5, H6, H8, H10, H12, H14			
20208SR01	arm	● 1125SR 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16			

Spec.	Contents	kg	3.03	1 / 6
Extra long arm	● 1125MR H3, H4, H5, H6, H7, H8, H10, H12, H14, H17			

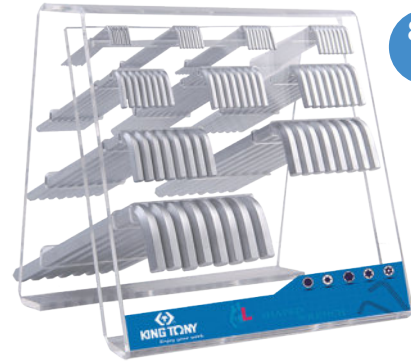
# L- wrench Set With Display Stnad

2020H0MR

- 5mm durable acrylic sheets to increase structural strength
- Transparent design for demonstrating product feature
- Great capacity, suitable for multi-size
- Size : 220 x 260 x 270mm



KT NO. 87125



80  
PC.

Spec.	Contents	kg	7.68	1 / 4	Each Q'ty
Extra long arm	● 1125MR H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12				8

# Spline L- wrench & Set

1146MR

- Standard arm type
- For spline head screw



KT NO.	Size	mm	mm	kg	15	20 / 320
114605MR	M5	29	83			
114606MR	M6	33	90			
114608MR	M8	39	98			
114610MR	M10	44	111			
114612MR	M12	53	126			

1126MR

- Extra long arm type



KT NO.	Size	mm	mm	kg	29	20 / 300
112605MR	M5	33	165			
112606MR	M6	38	186			
112608MR	M8	44	208			
112610MR	M10	50	234			
112612MR	M12	53	264			

20505PR01

20515PR01



5  
PC.

KT NO.	Spec.	Contents	kg	0.33	6 / 54
20505PR01	Standard arm type	● 1146MR M5, M6, M8, M10, M12			
20515PR01	Extra long arm type	● 1126MR M5, M6, M8, M10, M12			








# Ball Hex Key & Set

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated






## 1130MR

- Long arm with ball point type
- DIN ISO 2936

KT NO.	 mm	 mm	 mm		
113015MR	H1.5	16	64	1	20 / 400
113002MR	H2	18	77	2	20 / 400
113025MR	H2.5	21	88	4	20 / 400
113003MR	H3	23	93	7	20 / 400
113004MR	H4	29	104	14	20 / 400
113005MR	H5	33	120	25	20 / 300
113006MR	H6	38	141	41	10 / 160
113008MR	H8	44	158	84	10 / 150
113010MR	H10	50	180	145	10 / 150

## 1130SR








KT NO.	 inch	 mm	 mm		
113002SR	1/16	18	80.0	2	20 / 400
113025SR	5/64	19	85.0	2	20 / 400
113003SR	3/32	21	90.0	4	20 / 400
113004SR	1/8	24	101.0	8	20 / 400
113005SR	5/32	27	111.0	14	20 / 400
113006SR	3/16	30	121.0	24	20 / 300
113007SR	7/32	34	131.0	31	10 / 150
113008SR	1/4	36	142.0	44	10 / 150
113010SR	5/16	42	162.5	78	10 / 150
113012SR	3/8	46	183.0	138	10 / 150

## 1120MR

- Extra long arm with ball point type
- DIN ISO 2936











KT NO.	 mm	 mm	 mm		
112015MR	H1.5	16	92	1	20 / 400
112002MR	H2	18	102	3	20 / 400
112025MR	H2.5	21	115	5	20 / 400
112003MR	H3	23	129	9	20 / 480
112004MR	H4	29	144	17	20 / 300
112005MR	H5	33	165	31	20 / 300
112006MR	H6	38	186	51	20 / 400
112007MR	H7	41	197	73	20 / 400
112008MR	H8	44	208	99	10 / 100
112010MR	H10	50	234	174	10 / 100



20107MR01

20109MR

20119MR01

KT NO.	PC.	Spec.	Contents		
20107MR01	7	Long arm / ball	 1130MR H2.5, H3, H4, H5, H6, H8, H10	0.37	10 / 60
20107SR	7		 1130SR 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.36	10 / 60
20108MR	8	Extra long arm / ball	 1120MR H2, H2.5, H3, H4, H5, H6, H8, H10	0.43	8 / 48
20109MR	9		 1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.49	8 / 48
20119MR01	9	Long arm / ball	 1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H7, H8	0.36	6 / 48
20110MR	9		 1130MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.39	6 / 60
20129SR	9		 1130SR 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	0.39	6 / 60



# Star L- wrench

KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated

## 1143R



- Standard arm type
- For torx head screw



KT NO.	Size	mm	mm		
114310R	T10	19	49	3	20 / 400
114315R	T15	20	57	5	20 / 400
114320R	T20	23	62	7	20 / 400
114325R	T25	25	70	10	20 / 400
114327R	T27	29	77	14	20 / 400
114330R	T30	35	86	23	10 / 200
114340R	T40	42	97	37	10 / 200
114345R	T45	47	110	54	10 / 200
114350R	T50	50	124	76	10 / 200

## 1147R



- Standard arm type
- Tamper-resistant type
- For torx head screw



KT NO.	Size	mm	mm		
114710R	T10H	18	50	3	20 / 400
114715R	T15H	20	56	5	20 / 400
114720R	T20H	24	62	7	20 / 400
114725R	T25H	26	68	10	20 / 400
114727R	T27H	30	76	14	20 / 400
114730R	T30H	36	86	23	10 / 200
114740R	T40H	41	97	36	10 / 200
114745R	T45H	46	107	54	10 / 200
114750R	T50H	52	122	75	10 / 200

## 1123R



- Extra long arm type
- For torx head screw



KT NO.	Size	mm	mm		
112310R	T10	18	92	6	20 / 400
112315R	T15	20	103	9	20 / 400
112320R	T20	22	115	12	20 / 400
112325R	T25	25	130	18	20 / 300
112327R	T27	29	146	25	20 / 300
112330R	T30	35	165	40	20 / 300
112340R	T40	40	182	61	10 / 100
112345R	T45	45	202	89	10 / 100
112350R	T50	49	225	126	10 / 100

## 1127R



- Extra long arm type
- Tamper-resistant type
- For torx head screw



KT NO.	Size	mm	mm		
112710R	T10H	18	92	5	20 / 400
112715R	T15H	20	103	8	20 / 400
112720R	T20H	22	115	12	20 / 400
112725R	T25H	25	130	17	20 / 300
112727R	T27H	29	146	25	20 / 300
112730R	T30H	35	165	40	20 / 300
112740R	T40H	40	182	60	10 / 100
112745R	T45H	45	202	89	10 / 100
112750R	T50H	49	225	126	10 / 100



• 1123R



• 1147R



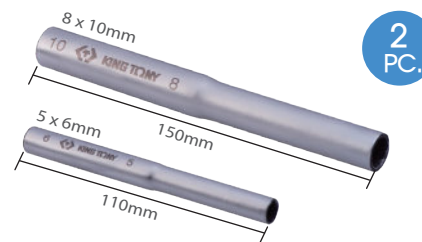
# Extension Pipe

- Material - SNCM - V alloy steel
- Finishing - chrome plated

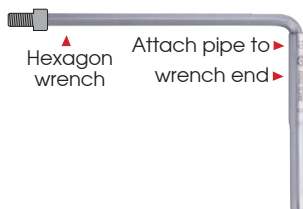
## 20002UB

128 6/36

Contents	Overall length (mm)	AØ mm	BØ mm
S : 5 x 6mm	110	11	10
L : 8 x 10mm	150	16	14



# L- wrench & Extension Pipe Set



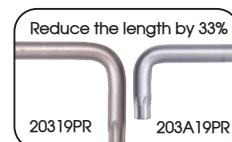
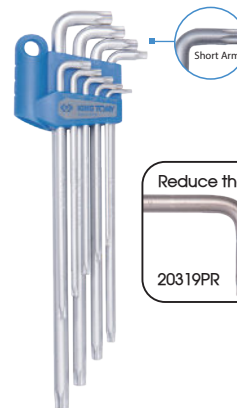
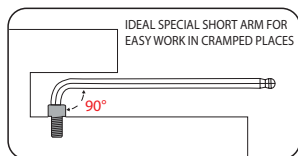
**Caution :**  
Please be careful not to overtighten.  
Do not use any other L-wrench that is incompatible with the pipe size.



KT NO.	PC.	Spec.	Contents	Kg	11 / 66	
20109MRU	11	Extra long arm / ball	1120MR	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.62	11 / 66
			20002UB	5 x 6, 8 x 10		
20319PRU	11	Extra long arm	1123R	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.67	11 / 66
			20002UB	5(T40) x 6(T45), 8(T50) x 10		

# Stubby L- wrench Set

- The "SPECIAL SHORT ARM" L1 length is designed to be 1/3 as short as other wrenches to allow easy work in cramped places
- The "SPECIAL SHORT ARM" is made with a 90 degree bend for high workability in small spaces without risk of pinched fingers



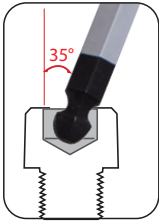
KT NO.	PC.	Spec.	Contents	Kg	10 / 60
201A09MR	9	Extra long arm / ball	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.45	10 / 60
203A19PR	9	Extra long arm	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.45	10 / 60



# Ball Hex Key & Set

## 201B09MR

- Set of ball head offset key wrench, extra long arm

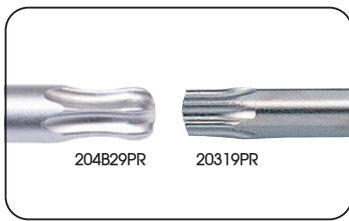
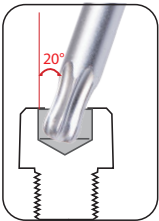


KT NO.	PC.	Spec.	Contents		
201B09MR	9	Extra long arm / ball	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	0.45	8 / 48

# Ball End Star L-wrench Set

## 204B29PR

- Set of ball head offset key wrench, long modle, for torx internal screw



KT NO.	PC.	Spec.	Contents		
204B29PR	9	Standard arm / ball	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.37	6 / 48



# Star L-wrench Set











knife type



Standard arm









Extra long arm

KT NO.	PC.	Spec	Contents		
20307PR	7	Standard arm 	T10, T15, T20, T25, T27, T30, T40	0.13	15 / 120
20407PR	7	Standard arm / Tamper-resistant 	T10H, T15H, T20H, T25H, T27H, T30H, T40H	0.13	15 / 120
20308PR	8	Knife type	T9, T10, T15, T20, T25, T27, T30, T40	0.20	12 / 72
20318PR	8		T9H, T10H, T15H, T20H, T25H, T27H, T30H, T40H	0.20	12 / 72
20309PR	9	Standard arm 	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.30	6 / 48
20319PR	9	Extra long arm 	T10, T15, T20, T25, T27, T30, T40, T45, T50	0.45	8 / 48
20409PR	9	Standard arm / Tamper-resistant 	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H	0.34	6 / 48
20419PR	9	Extra long arm / Tamper-resistant 	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H	0.47	8 / 48

# Bicycle Repair Tool

## 20A16MR








- 16-in-1 bicycle repair tool set

Contents		
 H2, H2.5, H3, H4, H5, H6	300	10 / 60
 8, 9, 10 mm		
 PH2		
 5.0		
Spoke Wrench: 14GE	Extension bar 1/4" DR.	
Wrench: 8 / 10 / 15 mm		



## 20A17MR

- 20-in-1 bicycle repair tool set




Contents		
 H2, H2.5, H3, H4, H5, H6	305	10 / 60
 9, 10, 12, 13, 15		
 PH2		
 5.0		
 Socket : 8mm		
Spoke Wrench: 14GE / 15GE / 0.136"		
Chain Wrench x 1	Tire Lever x 2	



# Aluminum Folding Hex Key Wrench Set

## 20317MR

- 7-in-1 aluminum folding hex key wrench set

Spec	Contents		
knife type	 H1.5, H2, H2.5, H3, H4, H5, H6	90	10 / 200



# L- type Wrench

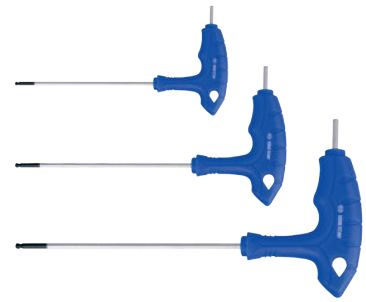
KT No. & D1

- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

## 1160MR

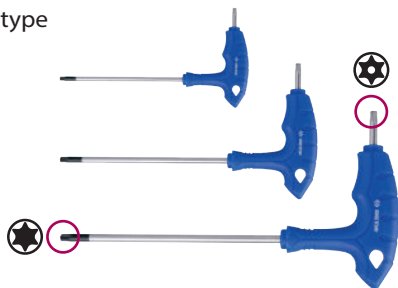
- Hexagon with ball point head

KT NO.	mm	mm	mm	g	Box / Pack
116002MR	H2	95	145	14	10 / 200
116025MR	H2.5	95	145	17	10 / 200
116003MR	H3	95	145	20	10 / 200
116004MR	H4	95	145	29	10 / 200
116005MR	H5	150	215	66	10 / 200
116006MR	H6	150	215	84	10 / 200
116007MR	H7	150	215	105	10 / 200
116008MR	H8	200	280	188	10 / 80
116010MR	H10	200	280	265	10 / 80



## 1163R

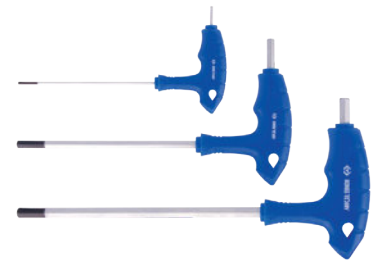
- For torx internal screw
- Tamper-resistant type



KT NO.	Size	mm	mm	g	Box / Pack
116310R	T10H	95	145	22	10 / 200
116320R	T20H	95	145	31	10 / 200
116325R	T25H	95	145	31	10 / 200
116327R	T27H	150	215	78	10 / 200
116340R	T40H	150	215	97	10 / 200
116345R	T45H	200	280	176	10 / 80
116350R	T50H	200	280	209	10 / 80

## 1165MR

- For hexagon head screw

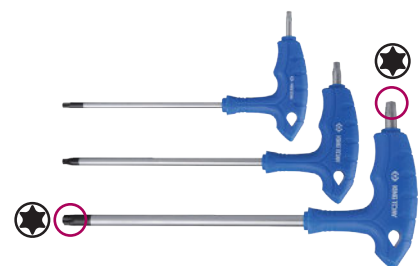


KT NO.	mm	mm	mm	g	Box / Pack
116502MR	H2	95	145	14	10 / 200
116525MR	H2.5	95	145	17	10 / 200
116503MR	H3	95	145	20	10 / 200
116504MR	H4	95	145	29	10 / 200
116505MR	H5	150	215	66	10 / 200
116506MR	H6	150	215	84	10 / 200
116507MR	H7	150	215	107	10 / 200
116508MR	H8	200	280	190	10 / 80
116510MR	H10	200	280	289	10 / 80

## 1163TR new

- For torx internal screw
- Tamper-resistant type

KT NO.	Size	mm	mm	g	Box / Pack
116310TR	T10	95	145	22	10 / 200
116315TR	T15	95	145	23	10 / 200
116320TR	T20	95	145	31	10 / 200
116325TR	T25	95	145	31	10 / 200
116327TR	T27	150	215	78	10 / 200
116330TR	T30	150	215	78	10 / 200
116340TR	T40	150	215	97	10 / 200
116345TR	T45	200	280	176	10 / 80
116350TR	T50	200	280	209	10 / 80





# L- type Wrench Set



► Tray



► Shelf

KT NO.	PC.	Spec	Contents	Package		
22106MR	6	Ball & hex two way type	1160MR H3, H4, H5, H6, H7, H8	Tray	0.68	1 / 20
22108MR	8		1160MR H2, H2.5, H3, H4, H5, H6, H8, H10	Tray	0.97	1 / 10
22208MR	8	Hex head	1165MR H2, H2.5, H3, H4, H5, H6, H8, H10	Tray	0.97	1 / 10
<b>new</b> 22306TR	6	torx head	1163TR T10, T15, T20, T25, T30, T40	Tray	0.46	1 / 20
<b>new</b> 22309TR	9		1163TR T10, T15, T20, T25, T27, T30, T40, T45, T50	Tray	1.00	1 / 10
22118MR	8	Ball & hex two way type	1160MR H2, H2.5, H3, H4, H5, H6, H8, H10	Shelf	1.10	1 / 12
22218MR	8	Hex head	1165MR H2, H2.5, H3, H4, H5, H6, H8, H10	Shelf	1.10	1 / 12
<b>new</b> 22319TR	9	torx head	1163TR T10, T15, T20, T25, T27, T30, T40, T45, T50	Shelf	1.12	1 / 12

# T - type Wrench

- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

**1150MR**



- Hexagon with ball point head



**1155MR**

- Hexagon head

**1155SR**



KT NO.							
115002MR	H2	100	137	90	28	10 / 200	
115025MR	H2.5	100	137	90	30	10 / 200	
115003MR	H3	100	137	90	32	10 / 200	
115004MR	H4	100	137	90	38	10 / 200	
115005MR	H5	150	188	100	65	10 / 200	
115006MR	H6	150	188	100	79	10 / 200	
115008MR	H8	200	240	120	159	10 / 120	
115010MR	H10	200	240	120	217	10 / 120	

KT NO.							
115502MR	H2	100	137	90	28	10 / 200	
115525MR	H2.5	100	137	90	30	10 / 200	
115503MR	H3	100	137	90	32	10 / 200	
115504MR	H4	100	137	90	38	10 / 200	
115505MR	H5	150	188	100	65	10 / 200	
115506MR	H6	150	188	100	79	10 / 200	
115508MR	H8	200	240	120	159	10 / 120	
115510MR	H10	200	240	120	217	10 / 120	
115525SR	5/64	100	137	90	19	10 / 200	
115503SR	3/32	100	137	90	21	10 / 200	
115504SR	1/8	100	137	90	25	10 / 200	
115505SR	5/32	100	137	90	30	10 / 200	
115506SR	3/16	150	188	100	56	10 / 200	
115508SR	1/4	150	188	100	78	10 / 200	
115510SR	5/16	200	240	120	158	10 / 120	
115512SR	3/8	200	240	120	202	10 / 120	



# T - type Wrench & Set

KT No. & D1



- Material - SNCM - V alloy steel
- Finishing - chrome plated with black tip

## 1153R



- For torx head screw



## 11A3R



- For torx head screw



KT NO.	Size	mm	mm	mm	g	kg
115310R	T10	100	137	90	40	10 / 200
115315R	T15	100	137	90	40	10 / 200
115320R	T20	100	137	90	40	10 / 200
115325R	T25	100	137	90	40	10 / 200
115327R	T27	150	188	100	73	10 / 200
115330R	T30	150	188	100	74	10 / 200
115340R	T40	150	188	100	88	10 / 200
115345R	T45	200	240	120	173	10 / 120
115350R	T50	200	240	120	173	10 / 120

KT NO.	Size	mm	mm	mm	g	kg
11A310R	T10	200	237	90	53	12 / 192
11A315R	T15	200	237	90	53	12 / 192
11A320R	T20	200	237	90	53	12 / 192
11A325R	T25	200	237	90	53	12 / 192
11A327R	T27	200	238	100	86	10 / 160
11A330R	T30	200	238	100	86	10 / 160
11A340R	T40	200	238	100	105	10 / 160



KT NO.	PC.	Spec	Contents	kg	kg
21108MR	8	Ball hex type	1150MR H2, H2.5, H3, H4, H5, H6, H8, H10	1.10	1 / 12
21208MR	8	Hexagon type	1155MR H2, H2.5, H3, H4, H5, H6, H8, H10	1.10	1 / 12
21208SR	8		1155SR 5/64, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8	1.10	1 / 12
21309PR	9	torx head type	1153R T10, T15, T20, T25, T27, T30, T40, T45, T50	1.20	1 / 12

## 23208MR



- Perfect for when you need more leverage than a standard hex, or space is limited and you can't get a good swing on a standard wrench
- Spring and ball detent to secure the Sliding T
- It turns fasteners quickly and continuously with free spinning collar

8 PC.



- Speed & Efficiency
- Locking Stopper
- Extension



KT NO.	PC.	Spec	Contents	kg	kg
23208MR	8	Hexagon type  1195AM	H2, H2.5, H3, H4, H5, H6, H8, H10	1.64	1 / 6



# T - handle Wrench

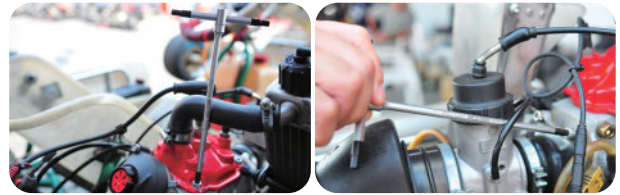
- Material - Chrome vanadium steel
- Finishing - chrome plated

## 1195M



- 6 Points
- For hexagon head screw
- The handle pin can be removed for another wrench

KT NO.	mm	mm	mm	g	mm
119502M	H2	64	127	22	10 / 200
119525M	H2.5	64	127	22	10 / 200
119503M	H3	64	127	22	10 / 200
119504M	H4	90	181	64	10 / 200
119505M	H5	90	182	65	10 / 200
119506M	H6	105	210	135	6 / 48
119508M	H8	124	250	224	4 / 32
119510M	H10	145	300	386	5 / 50



# Wing Handle torx Screwdriver & Set

## 1153A



KT NO.	Size	mm	mm	mm	g	mm
1153A05R	T5	45	84	35	7	20 / 200
1153A06R	T6	45	84	35	7	20 / 200
1153A07R	T7	45	84	35	7	20 / 200
1153A08R	T8	45	84	35	7	20 / 200
1153A09R	T9	45	84	35	10	20 / 200
1153A10R	T10	45	84	35	10	20 / 200
1153A15R	T15	45	84	35	10	20 / 200
1153A20R	T20	45	84	35	10	20 / 200

## 23308PR



8 PC.

Contents

0.26 g / 1 / 20



1153A

T5, T6, T7, T8, T9, T10, T15, T20

# Flag Handle torx Screwdriver & Set

## 1163A



KT NO.	Size	mm	mm	mm	g	mm
1163A05R	T5	45	84	31	6	20 / 200
1163A06R	T6	45	84	31	6	20 / 200
1163A07R	T7	45	84	31	6	20 / 200
1163A08R	T8	45	84	31	6	20 / 200
1163A09R	T9	45	84	31	9	20 / 200
1163A10R	T10	45	84	31	9	20 / 200
1163A15R	T15	45	84	31	9	20 / 200
1163A20R	T20	45	84	31	9	20 / 200

## 24308PR



8 PC.

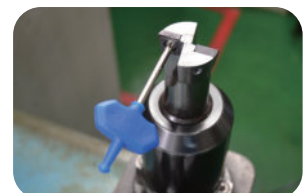
Contents

0.27 g / 1 / 20



1163A

T5, T6, T7, T8, T9, T10, T15, T20





# VDE INSULATED TOOLS ▶



## Standard Socket

2335VE

1/4"

IEC 60900:2012



KT NO.	mm	L mm	g	PC.
2335VE05M	5	41	14	5 / 45
2335VE06M	6	41	15	5 / 45
2335VE07M	7	41	15	5 / 45
2335VE08M	8	41	15	5 / 45
2335VE09M	9	41	16	5 / 45
2335VE10M	10	41	18	5 / 45
2335VE11M	11	41	21	5 / 45
2335VE12M	12	41	23	5 / 45
2335VE13M	13	41	23	5 / 45
2335VE14M	14	41	26	5 / 45

## Bit Socket

2035VE

1/4"

IEC 60900:2012



KT NO.	mm	L mm	g	PC.
2035VE03	H3	54	18	5 / 45
2035VE04	H4	54	18	5 / 45
2035VE05	H5	54	19	5 / 45
2035VE06	H6	54	20	5 / 45

## Ratchet

2771VE

1/4"

IEC 60900:2012



KT NO.	Overall length mm	g	PC.
2771VE-55	150	140	2 / 32

## Accessory

2221VE

1/4"

IEC 60900:2012



KT NO.	Overall length mm	g	PC.
2221VE-04	100	47	4 / 36
2221VE-06	150	68	4 / 48

2178VE

1/4"

IEC 60900:2012



KT NO.	mm	g	PC.
2178VE-05	125	82	4 / 40

## Insulated Tool Set

25VE01MRV

1/4"

IEC 60900:2012  
Handy case size (mm) :  
294 x 231 x 66 (1.835cuft)

Contents

1.30g 1 / 10

	2335VE	5, 6, 7, 8, 9, 10, 11, 12, 13, 14,
	2035VE	H3, H4, H5, H6
	2221VE	4, 6
	2771VE-55	2178VE-05



18 PC.

## Standard Socket

3335VE

3/8"

IEC 60900:2012



KT NO.	mm	L mm	g	Box
3335VE06M	6	44.5	25	5 / 45
3335VE07M	7	44.5	26	5 / 45
3335VE08M	8	44.5	27	5 / 45
3335VE09M	9	44.5	27	5 / 45
3335VE10M	10	44.5	28	5 / 45
3335VE11M	11	44.5	29	5 / 45
3335VE12M	12	44.5	29	5 / 45
3335VE13M	13	44.5	32	5 / 45
3335VE14M	14	44.5	35	5 / 45
3335VE15M	15	46	40	5 / 45
3335VE16M	16	46	42	5 / 45
3335VE17M	17	46	47	5 / 45
3335VE18M	18	46	48	5 / 60
3335VE19M	19	46	51	5 / 60
3335VE20M	20	46	55	5 / 60
3335VE21M	21	46	59	5 / 60
3335VE22M	22	46	63	5 / 60
3335VE24M	24	46	66	5 / 60

## Deep Socket

3235VE

3/8"

IEC 60900:2012



KT NO.	mm	L mm	g	Box
3235VE08M	8	79	52	5 / 50
3235VE10M	10	79	60	5 / 50
3235VE12M	12	79	68	5 / 50
3235VE14M	14	79	76	5 / 50

## Insulated Tool Set

35VE01MRV

3/8"

IEC 60900:2012

Handy case size (mm) :  
389 x 229 x 66 (1.49cuft)

Contents

2.16 1 / 6

	3335VE	10, 11, 12, 13, 14, 17, 19
	3025VE	5, 6, 8,
	3221VE	6, 10,
	3771VE-08	3178VE-08

## Bit Socket



3025VE

3/8"

IEC 60900:2012



KT NO.	mm	Overall length mm	g	Box
3025VE04	H4	65	37	5 / 50
3025VE05	H5	65	38	5 / 50
3025VE06	H6	65	39	5 / 50
3025VE08	H8	65	42	5 / 50
3025VE10	H10	65	51	5 / 50

## Ratchet

3771VE

3/8"

IEC 60900:2012



KT NO.	Overall length mm	g	Box
3771VE-08	200	300	2 / 20

## Accessory

3221VE

3/8"

IEC 60900:2012



KT NO.	Overall length mm	g	Box
3221VE-06	150	150	4 / 48
3221VE-10	250	250	4 / 24

3178VE

3/8"

IEC 60900:2012



KT NO.	mm	g	Box
3178VE-08	200	240	2 / 12



14 PC.



# Standard Socket

4335VE

1/2"

IEC 60900:2012



KT NO.	mm	L mm	g	kg
4335VE08M	8	55	54	5 / 40
4335VE10M	10	55	55	5 / 40
4335VE11M	11	55	57	5 / 40
4335VE12M	12	55	58	5 / 40
4335VE13M	13	55	59	5 / 40
4335VE14M	14	55	62	5 / 40
4335VE15M	15	55	60	5 / 40
4335VE16M	16	55	60	5 / 40
4335VE17M	17	55	70	5 / 50
4335VE18M	18	55	77	5 / 50
4335VE19M	19	55	72	5 / 50
4335VE20M	20	55	80	5 / 50
4335VE21M	21	55	73	5 / 50
4335VE22M	22	55	87	5 / 50
4335VE24M	24	55	96	5 / 50
4335VE27M	27	59	125	5 / 50
4335VE30M	30	59	146	5 / 50
4335VE32M	32	59	170	5 / 50

# Bit Socket

4025VE

1/2"

IEC 60900:2012



KT NO.	mm	Overall length mm	g	kg
4025VE04	H4	75	78	5 / 50
4025VE05	H5	75	78	5 / 50
4025VE06	H6	75	79	5 / 50
4025VE08	H8	75	80	5 / 50
4025VE10	H10	75	89	5 / 50

4035VE

1/2"

IEC 60900:2012



KT NO.	mm	Overall length mm	g	kg
4035VE04	H4	120	99	5 / 50
4035VE05	H5	120	99	5 / 50
4035VE06	H6	120	100	5 / 50
4035VE08	H8	120	102	5 / 50
4035VE10	H10	120	121	5 / 50

# Ratchet

4771VE

1/2"

IEC 60900:2012



KT NO.	Overall length mm	g	kg
4771VE-10	250	570	2 / 20

# Accessory

4251VE

1/2"

IEC 60900:2012



KT NO.	Overall length mm	g	kg
4251VE-05	125	210	4 / 40
4251VE-10	250	410	4 / 40

4178VE

1/2"

IEC 60900:2012



KT NO.	mm	g	kg
4178VE-08	200	330	2 / 12

# Insulated Tool Set

45VE01MRV

1/2"

IEC 60900:2012  
Handy case size (mm) :  
389 x 229 x 66 (1.49cuft)

Contents

3.22 kg 1 / 6

	4335VE	8, 10, 12, 13, 14, 17, 19, 21, 22, 24
	4025VE	H8, H10
	4251VE	5, 10
	4771VE-10	4178VE-08



16 PC.





# Open End Wrench & Set



## 10FOVE

IEC 60900:2012

KT NO.	Size mm	L mm		
10FOVE-07	7	88	20	5 / 50
10FOVE-08	8	104	26	5 / 50
10FOVE-09	9	104	26	5 / 50
10FOVE-10	10	114	40	5 / 50
10FOVE-11	11	124	60	5 / 50
10FOVE-12	12	124	60	5 / 50
10FOVE-13	13	154	90	5 / 50
10FOVE-14	14	154	90	5 / 50
10FOVE-16	16	170	125	5 / 50
10FOVE-17	17	170	125	5 / 50



KT NO.	Size mm	L mm		
10FOVE-18	18	180	150	5 / 50
10FOVE-19	19	180	150	5 / 50
10FOVE-21	21	202	215	5 / 50
10FOVE-22	22	202	215	5 / 50
10FOVE-24	24	237	270	5 / 40



►MRN : Teton pouch bag



KT NO.	PC.	Contents	Package		
12FVE08MRN	8	10, 11, 12, 13, 14, 17, 18, 19	Teton	0.91	1 / 10
12FVE10MRN	10	10FOVE 10, 11, 12, 13, 14, 16, 17, 18, 19, 22	Teton	1.28	1 / 10

# 75° Offset Ring Wrench

## 10G0VE

IEC 60900:2012

KT NO.	Size mm	L mm		
10G0VE-07	7	149	62	5 / 50
10G0VE-08	8	164	70	5 / 50
10G0VE-09	9	164	70	5 / 50
10G0VE-10	10	174	80	5 / 50
10G0VE-11	11	184	90	5 / 50
10G0VE-12	12	184	90	5 / 50
10G0VE-13	13	205	140	5 / 40
10G0VE-14	14	205	140	5 / 40
10G0VE-16	16	221	185	5 / 40



KT NO.	Size mm	L mm		
10G0VE-17	17	221	185	5 / 40
10G0VE-18	18	237	235	5 / 50
10G0VE-19	19	237	235	5 / 50
10G0VE-21	21	257	295	5 / 40
10G0VE-22	22	257	295	5 / 40
10G0VE-24	24	287	390	5 / 40

# Adjustable Wrench

## 3611VE

IEC 60900:2012

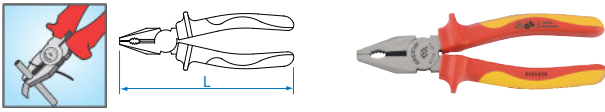
KT NO.	mm	L mm		
3611VE-06	24	164	167	4 / 32
3611VE-08	28	212	273	4 / 32
3611VE-10	32	260	497	4 / 32
3611VE-12	38	310	679	4 / 24



- Grip material-TPR • Chrome vanadium steel
- Polished head • IEC DIN EN 60900

## Combination Pliers

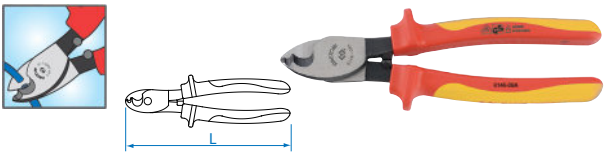
6116



KT NO.	inch	L mm	Cutting capacities $\varnothing$ mm				g	kg
			4.0	3.0	2.0	1.6		
6116-07A	7-1/2	185	4.0	3.0	2.0	1.6	290	10 / 60
6116-08A	8	200	4.0	3.0	2.0	1.6	386	10 / 60

## Cable Cutting Pliers

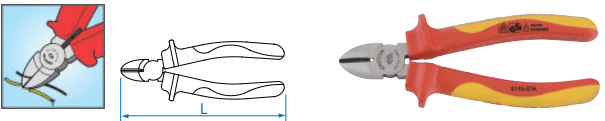
6146



KT NO.	inch	L mm	$\varnothing$ mm	g	kg
6146-08A	8-1/4	214	14	360	10 / 60

## Diagonal Cutting Pliers

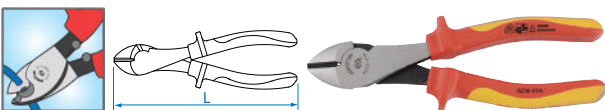
6216



KT NO.	inch	L mm	Cutting capacities $\varnothing$ mm				g	kg
			4.0	2.8	2.0	1.6		
6216-06A	6-1/2	167	4.0	2.8	2.0	1.6	230	10 / 60

## Heavy Duty Diagonal Cutting Pliers

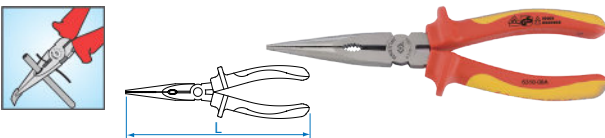
6236



KT NO.	inch	L mm	Cutting capacities $\varnothing$ mm				g	kg
			5.0	3.5	2.4	2.0		
6236-07A	7-1/2	190	5.0	3.5	2.4	2.0	280	10 / 60

## Long Nose Pliers

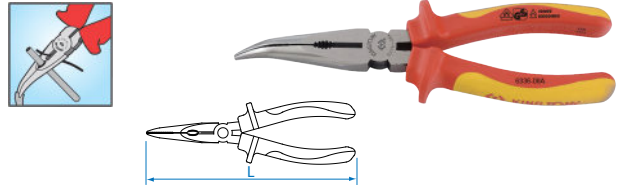
6318



KT NO.	inch	L mm	Cutting capacities $\varnothing$ mm				g	kg
			4.0	2.8	2.0	1.6		
6318-08A	8-1/4	210	4.0	2.8	2.0	1.6	230	10 / 60

## Bent Nose Pliers

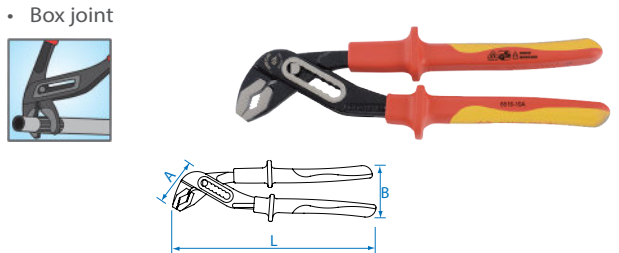
6336



KT NO.	inch	L mm	Cutting capacities $\varnothing$ mm				g	kg
			4.0	3.0	2.0	1.6		
6336-08A	8	200	4.0	3.0	2.0	1.6	250	10 / 60

## Groove Joint Pliers

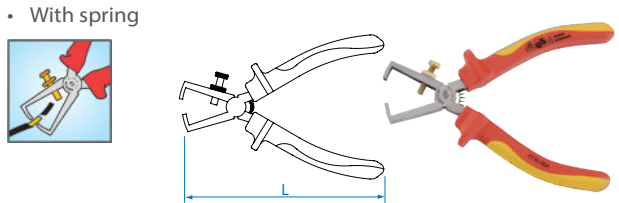
6516



KT NO.	A mm	B mm	inch	L mm	mm	g	kg

## Stripping Pliers

6716



KT NO.	inch	L mm	$\varnothing$ mm	Wire stripper mm <sup>2</sup>	g	kg

## Insulated Pliers Set

40603GP



3 PC.

Contents

0.89 kg / 1 / 20



6116-07A



6318-08A



6216-06A

# Insulated Screwdriver

KT No. & D1



- Shank material - SNM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip

## 1471



- Phillips head, round shank
- IEC 60900:2012

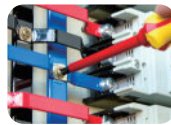
KT NO.	⊕ No.	mm		mm	g	boxes
		mm	inch			
14710003	PH0	75	3	3.0	37	12 / 144
14710104	PH1	100	4	4.5	54	12 / 216
14710204	PH2	100	4	6.0	77	12 / 144
14710306	PH3	150	6	8.0	135	12 / 144



## 147E



- Terminal Block Screwdriver
- Phillips / Slotted hand, round shake
- IEC 60900:2012



KT NO.	⊕ No.	mm		mm	g	boxes
		mm	inch			
147E0104	SL/PH1	100	4	4.5	61	12 / 216
147E0204	SL/PH2	100	4	6.0	85	12 / 144



## 1472



- Slotted head, round shank
- IEC 60900:2012

KT NO.	mm		mm		mm	g	boxes
	mm	inch	mm	inch			
<b>new</b> 14722503	2.5	-	0.4	75	3	2.5	35 / 12 / 144
14720303	3	1/8	0.5	75	3	3.0	38 / 12 / 144
14720404	4	3/16	0.8	100	4	4.0	44 / 12 / 96
14723504	3.5	1/8	0.6	100	4	3.5	54 / 12 / 144
14725505	5.5	7/32	1	125	5	5.5	72 / 12 / 144
14726506	6.5	1/4	1.2	150	6	6.5	87 / 12 / 144
14720807	8	5/16	1.2	175	7	8.0	143 / 12 / 144



## 1474



- Square head, round shank
- IEC 60900:2012

KT NO.	□ Size	mm		mm	g	boxes
		mm	inch			
14740105	RB1	125	5	5.5	72	12 / 144
14740206	RB2	150	6	6.5	87	12 / 144



## 1478



- Pozidriv head, round shank
- IEC 60900:2012

KT NO.	⊗ Size	mm		mm	g	boxes
		mm	inch			
14780003	PZ0	75	3	3.0	37	12 / 144
14780104	PZ1	100	4	4.5	54	12 / 96
14780204	PZ2	100	4	6.0	77	12 / 144
14780306	PZ3	150	6	8.0	135	12 / 144



# Insulated Screwdriver Set



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip



0.86 kg 1 / 20

KT NO.	PC.	Contents
30606MR	6	1471 PH0 x 75, PH2 x 100, PH3 x 150
		1472 3 x 75, 4 x 100, 6,5 x 150
30607MR	7	1472 4 x 100, 5,5 x 125, 6,5 x 150, 8,0 x 175
		1478 PZ1 x 100, PZ2 x 100, PZ3 x 150
30607MR02	7	1471 PH1 x 100, PH2 x 100
		1472 4 x 100, 5,5 x 125, 6,5 x 150
		1474 1 x 125, 2 x 150
30617MR	7	1471 PH1 x 100, PH2 x 100, PH3 x 150
		1472 4 x 100, 5,5 x 125, 6,5 x 150, 8,0 x 175



0.50 kg 1 / 30

KT NO.	PC.	Contents
30605MR	5	1472 4 x 100, 5,5 x 125, 6,5 x 150
		1478 PZ1 x 100, PZ2 x 100
30615MR	5	1471 PH1 x 100, PH2 x 100
		1472 4 x 100, 5,5 x 125, 6,5 x 150



# VDE Insulated Tools



VDE INSULATED TOOL





**IC SPECIALIZED  
TOOLS**

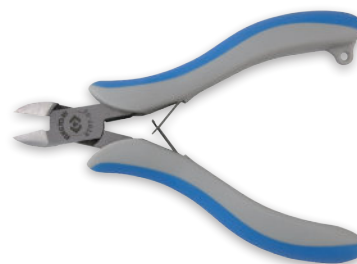
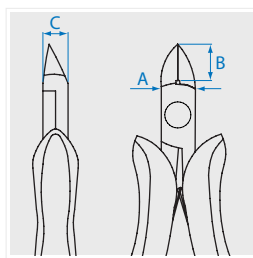
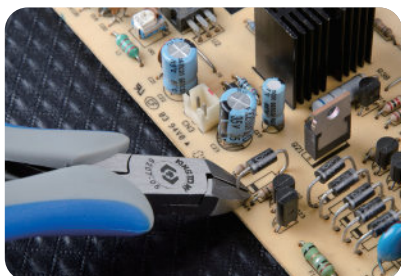
**MEASURING  
TOOLS**






# Precision Pliers

6207-05

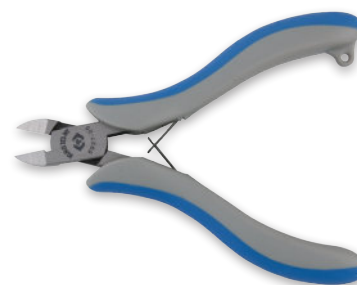
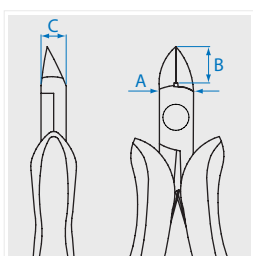
 Diagonal cutting nippers



KT NO.	Overall length		Cutting capacities		A mm	B mm	C mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm					
6207-05	4-3/4	118	2.0	1.6	10.8	11.5	7.1	88	6 / 120

6927-05

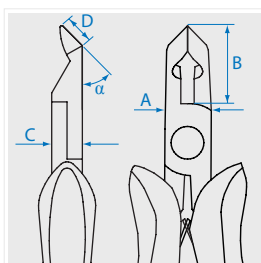
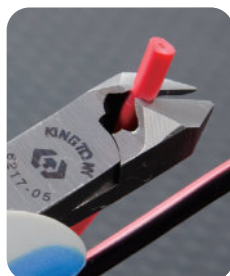
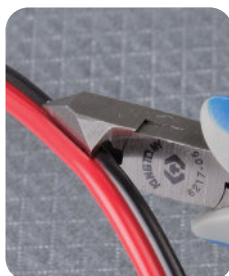
 For plastic







KT NO.	Overall length		A mm	B mm	C mm		
	inch	mm					
6927-05	4-3/4	118	10.3	11.5	7.1	71	6 / 120

6217-05

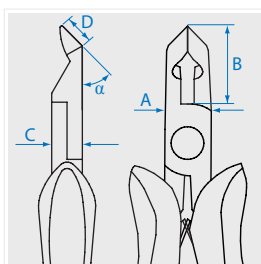
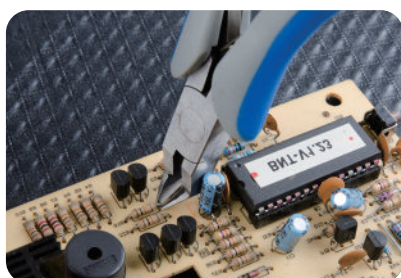
 Diagonal cutting nippers







KT NO.	Overall length		Cutting capacities		$\alpha$	A mm	B mm	C mm	D mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm							
6217-05	4-3/4	118	2.0	1.0	35°	11.8	17	12.7	17.7	76	6 / 120

6247-05

 Diagonal cutting nippers




KT NO.	Overall length		Cutting capacities		$\alpha$	A mm	B mm	C mm	D mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm							
6247-05	5	125	1.0	0.5	45°	11.4	19.4	7.5	55	73	6 / 120



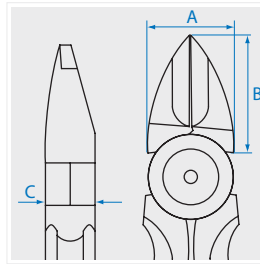
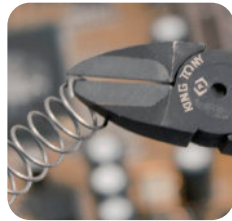


# Precision Pliers



6271C

 Diagonal cutting nippers

- The cutting edge hardness at least 73° HRC up

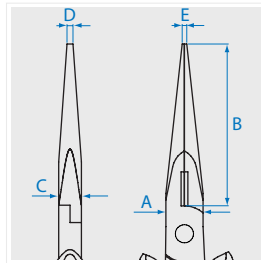
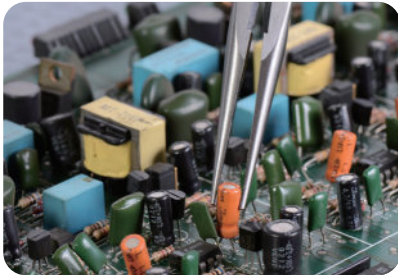






- The cutting edge is made from tungsten steel for an extremely long service life.

KT NO.	Overall length		●	A mm	B mm	C mm		
	inch	mm						
6271-05C	5	125	0.6	13.2	15	7.1	77	6 / 120
6271-65C	6-1/2	160	0.6	19.2	26	10.7	151	6 / 120

6317-06

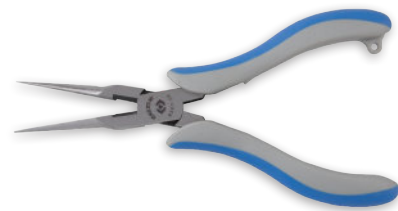
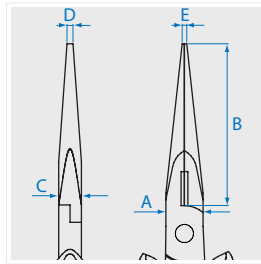
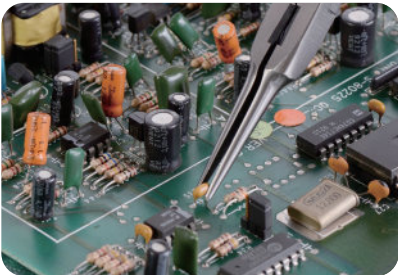
 Long nose pliers







KT NO.	Overall length		Cutting capacities		A mm	B mm	C mm	D mm	E mm		
	inch	mm	 ∅ mm	 ∅ mm							
6317-06	6	157	2.0	1.6	11.6	50	7.5	2	2	84	6 / 120

6367-06

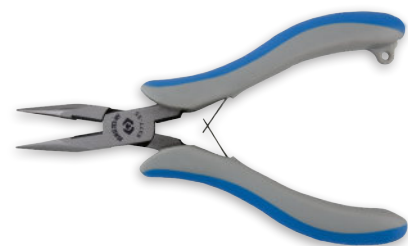
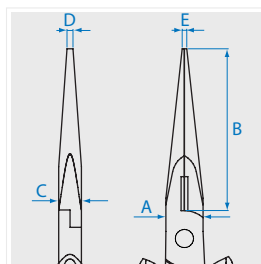
 Half-round nose pliers







KT NO.	Overall length		Cutting capacities		A mm	B mm	C mm	D mm	E mm		
	inch	mm	 ∅ mm	 ∅ mm							
6367-06	6	154	2.0	1.6	11.7	46	7.5	1.5	1.7	78	6 / 120

6377-55

 Half-round nose pliers

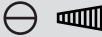


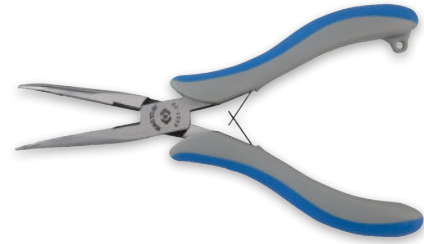
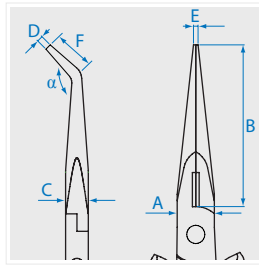
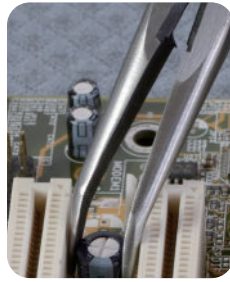
KT NO.	Overall length		Cutting capacities		A mm	B mm	C mm	D mm	E mm		
	inch	mm	 ∅ mm	 ∅ mm							
6377-55	5-1/2	138	2.0	1.6	11.3	30	7.5	1.5	1.5	97	6 / 120







# Precision Pliers


6337-06

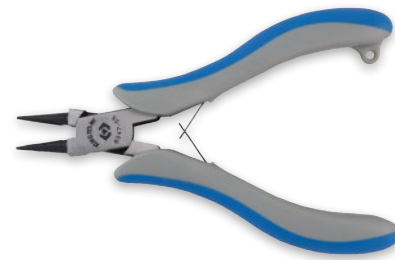
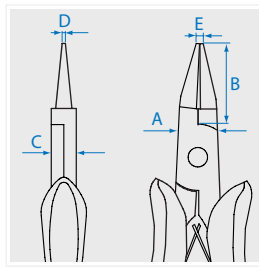
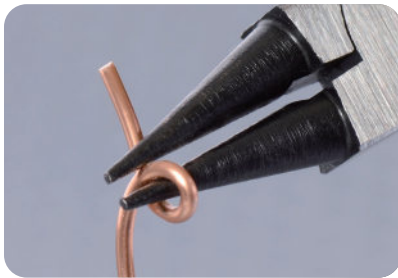
 Bent nose pliers





KT NO.	Overall length		Cutting capacities		$\alpha$	A mm	B mm	C mm	D mm	E mm	F mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm									
6337-06	6	154	2.0	1.6	40°	11.3	50	7.5	2	2.5	14	84	6 / 120


6347-05

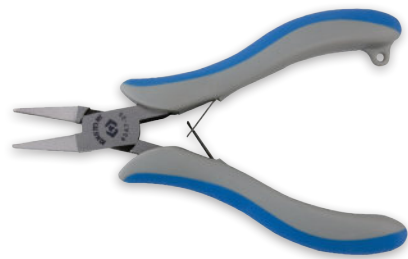
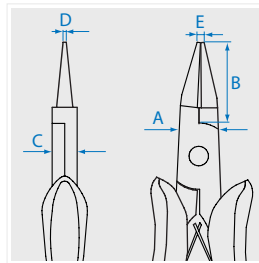
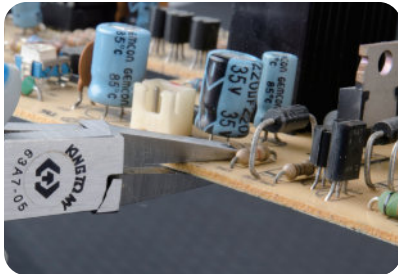
 Round-nose pliers





KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
6347-05	5	128	11.4	24.9	7.5	1	2.14	74	6 / 120


63A7-05

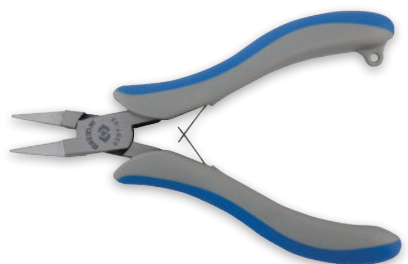
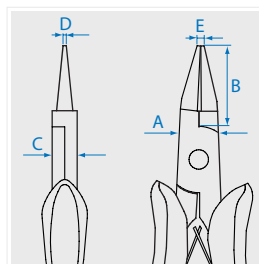
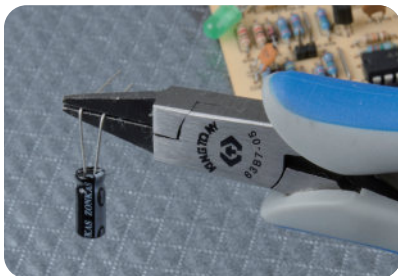
 Round-nose pliers





KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
63A7-05	5	128	11.5	24.7	7.5	3.3	1.8	75	6 / 120

63B7-05

 Round-nose pliers



KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
63B7-05	5	128	11.5	24.7	7.5	1.3	1.8	74	6 / 120



# Precision Screwdriver

- Shank material - SNCM - V alloy steel
- Grip material - PP
- Finishing - chrome plated with black tip

## 1431



- Phillips head, round shank
- DIN ISO 8764

KT NO.	⊕ No.	∅ mm	 mm		
14313015	PH000	1.5	40	7	10 / 320
14312015	PH00	2.0	40	7	10 / 320
14311015	PH0	3.0	40	13	10 / 100
14311115	PH1	4.0	40	16	10 / 100
14313003	PH000	1.5	75	8	10 / 320
14312003	PH00	2.0	75	8	10 / 320
14311003	PH0	3.0	75	14	10 / 100
14311103	PH1	4.0	75	18	10 / 100

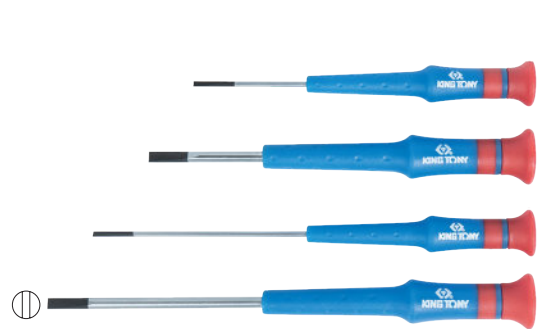


## 1432



- Slotted head, round shank
- Metric size
- DIN 5263

KT NO.	 mm	 mm	 mm	∅ mm		
14320615	0.6	0.15	40	3.0	9	10 / 320
14320815	0.8	0.19	40	3.0	9	10 / 320
14321015	1.0	0.20	40	3.0	9	10 / 320
14321515	1.5	0.23	40	3.0	10	10 / 320
14321815	1.8	0.30	40	3.0	10	10 / 320
14322015	2.0	0.40	40	2.0	11	10 / 100
14322515	2.5	0.40	40	2.5	12	10 / 100
14323015	3.0	0.50	40	3.0	13	10 / 100
14323515	3.5	0.60	40	3.5	14	10 / 100
14324015	4.0	0.80	40	4.0	16	10 / 100
14321003	1.0	0.20	75	3.0	11	10 / 320
14321503	1.5	0.23	75	3.0	11	10 / 320
14321803	1.8	0.30	75	3.0	11	10 / 320
14322003	2.0	0.40	75	2.0	11	10 / 100
14322503	2.5	0.40	75	2.5	13	10 / 100
14323003	3.0	0.50	75	3.0	15	10 / 100
14323503	3.5	0.60	75	3.5	16	10 / 100
14324003	4.0	0.80	75	4.0	18	10 / 100



## 1433



- For torx head, round shank

KT NO.	⊛ Size	∅ mm	 mm		
14330415	T4	3	40	10	10 / 320
14330515	T5	3	40	10	10 / 320
14330615	T6	3	40	10	10 / 100
14330715	T7	3	40	10	10 / 100
14330815	T8	3	40	10	10 / 320
14330902	T9	4	50	16	10 / 100
14331002	T10	4	50	16	10 / 100
14331502	T15	4	50	16	10 / 100
14332002	T20	4	50	16	10 / 100
14330403	T4	3	75	11	10 / 320
14330503	T5	3	75	11	10 / 320
14330603	T6	3	75	11	10 / 320
14330703	T7	3	75	11	10 / 320
14330803	T8	3	75	11	10 / 320
14330903	T9	4	75	18	10 / 100
14331003	T10	4	75	18	10 / 100
14331503	T15	4	75	18	10 / 100
14332003	T20	4	75	18	10 / 100



# Precision Screwdriver & Set

**91230**



- Screwdriver handle for interchangeable blades 2431, 2433
- Handle material - polypropylene (PP)



KT NO.	mm		
91230	100	12	10 / 100

**2433**



- Combination type
- Torx head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



KT NO.	Size	mm	mm		
24330610	T6 x T10	4	120	11	20 / 200
24330715	T7 x T15	4	120	11	20 / 200
24330820	T8 x T20	4	120	11	20 / 200
24330915	T9 x T15	4	120	11	20 / 200

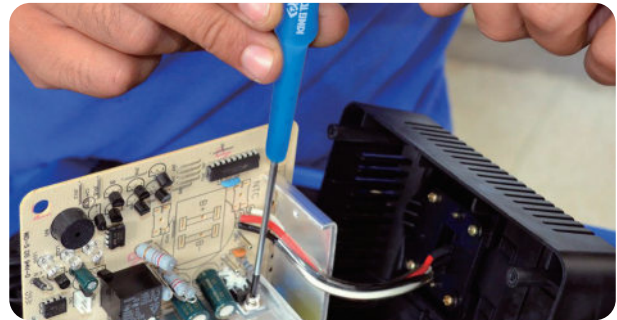
**2431**



- Combination type
- Phillips / Slotted head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



KT NO.	No.	mm	mm	mm	mm		
24312020	PH00	2.0	0.30	4	120	11	20 / 200
24311030	PH0	3.0	0.50	4	120	11	20 / 200
24311140	PH1	4.0	0.60	4	120	11	20 / 200






KT NO.	PC.	Contents		
32218MR	8	1.0 x 75, 1.5 x 75, 1.8 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75, 3.5 x 75, 4.0 x 75 1432	0.32	1 / 30
32209MR	9	0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40 1432	0.26	1 / 30
32108MR	8	1431 PH000 x 40, PH00 x 40, PH0 x 40, PH1 x 40	0.29	1 / 30
		1432 1.5 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40		
32118MR	8	1431 PH000 x 75, PH00 x 75, PH0 x 75, PH1 x 75	0.36	1 / 30
		1432 1.5 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75		
32308PR	8	1433 T5 x 40, T6 x 40, T7 x 40, T8 x 40, T9 x 50, T10 x 50, T15 x 50, T20 x 50	0.32	1 / 30
32309PR	9	1433 T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40, T9 x 50, T10 x 50, T15 x 50, T20 x 50	0.26	1 / 30
32607MR	8	91230	0.22	1 / 30
		2431 PH00 x 2.0, PH0 x 3.0, PH1 x 4.0		
		2433 T6 x T10, T7 x T15, T8 x T20, T9 x T15		



# Precision Screwdriver Set

## 31419MR

- Precision screwdriver set

KT NO.	Contents	Each Q'ty
31419MR	 1431 PH000 x 40, PH00 x 40, PH0 x 40, PH1 x 40	6
	 1432 0.6 x 40, 0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40	
	 1433 T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40	



114 PC.

Screwdriver shelf size (mm) : 383 x 136 x 130

Packing NO.	Spec.	Kg	CUFT
31419MR-A	87107	0.86	0.47
31419MR-D	114 PC. content	1.17	0.14

# Soldering Iron

**6BC23** 30W

**6BC26** 60W

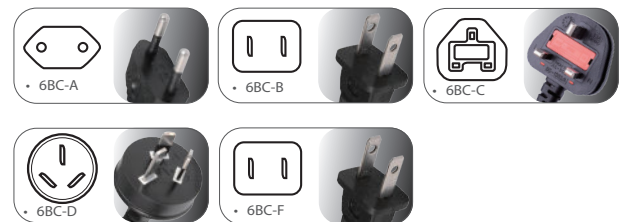
- 110V~240V, 30W, 40W, 60W, 100W
- For electrical and stained glass work

KT NO.	Voltage V	Rating W	Kg	Cube
6BC23A	220-240	30	160	54
6BC23B	220-240	30	125	54
6BC23C	220-240	30	196	32
6BC23D	220-240	30	160	32
6BC23F	110-120	30	125	54
6BC24A	220-240	40	125	54
6BC24B	220-240	40	125	54
6BC24C	220-240	40	196	32
6BC24F	110-120	40	125	54
6BC26A	220-240	60	166	54
6BC26B	220-240	60	166	54
6BC26C	220-240	60	216	32
6BC26F	110-120	60	166	54
6BC210A	220-240	100	210	20
6BC210B	220-240	100	210	20
6BC210C	220-240	100	330	20
6BC210D	220-240	100	288	20
6BC210F	110-120	100	210	20

**6BC24** 40W

**6BC210** 100W

- Lightweight handle
- Replaceable tip
- No CE certification



# Soldering Iron Tip (Conical Type)

**6BC23-1**

**6BC26-1**

**6BC26-3**

- Copper-based iron tips are manufactured using patented process which produces a uniform iron and chrome plating thickness

- All tips are pre-tinned

KT NO.	Rating W	Ø mm	Kg	Cube
6BC23-1	30 / 40	4	13	100 / 4200
6BC26-1	60	6	16	100 / 1600
6BC26-3	60	6	16	100 / 1600



## Gas Soldering Iron Set

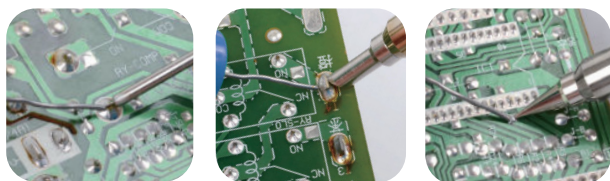
### 6BC3007

- Gas soldering iron set with four tips, reflector and desolder wire
- Power range: 30W-150W
- Soldering temperature: 400°C~450°C (750°F~840°F)
- Torch temperature: 1300°C (2400°F)
- Fuel capacity: 20ml
- Tank fuel for 90 minutes operation
- Ready to use 45 seconds after ignition



8 PC.

KT NO.	Contents	⚖️ 0.45	📦 / 📦 20
6BC372	Gas soldering iron 257mm		
6BC372-1	Conical		
6BC372-2	2.5mm round		
6BC372-3	3.5mm chisel		
6BC372-4	4.5mm angle		
6BC372-5	Reflector		
6BF21-17	Desolder wire / Sn 99.3%, Cu 0.7%		
	Foam		



## Desolder Wire

### 6BF11-17

- 40% lead and 60% tin



KT NO.	Size mm	⚖️	📦 / 📦
6BF11-17	1.0	17	20 / 480

## Desoldering Pump

### 6BD11

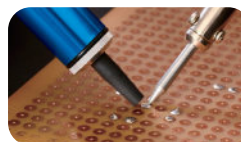
- One-hand operation
- ABS Body, teflon nozzle



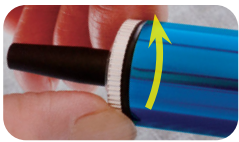
KT NO.	Overall length mm	⚖️	📦 / 📦
6BD11	195	42	8 / 32

### 6BD22

- Anti-static solder desoldering pump
- Teflon suction head
- Aluminum body



- Turn down the body



- Clean

- Turn up the body



KT NO.	Overall length mm	⚖️	📦 / 📦
6BD22	197	85	50 / 100

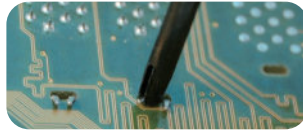
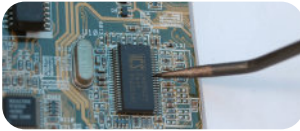


# Soldering Aid

## 6BE11-07

- Brush / Scraper :  
For removing flux residue and surplus solder

KT NO.	Overall length mm		
6BE11-07	175	15	1 / 200
6BE12-07	175	15	1 / 200
6BE16-07	180	15	1 / 200

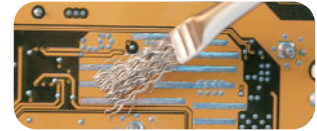
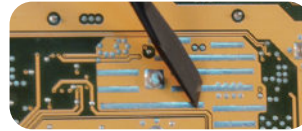
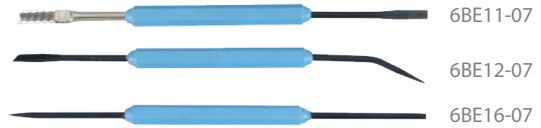


## 6BE12-07

- Scraper / Curved Probe :  
For component and lead extraction

## 6BE16-07

- Pointed / Slotted Probe :  
Fits wire up to 22AWG  
For wrapping and unwrapping etc



# Straight Fine Point Tweezers

## 6AF11-125

- Stainless steel with straight fine point
- Used for soldering integrated circuit chip, installing or replacing components
- It's suitable for doing precise repairing work



KT NO.	Overall length mm		
6AF11-125	124	16	50 / 800

# Reverse Action Tweezers

## 6AF21-165

- Stainless steel with tapered tips and flat points
- For holding small parts when soldering or spraying



KT NO.	Overall length mm		
6AF21-165	172	29	30 / 480

# Mini Soldering Iron Stand

## 6BC100

- Lightweight and high temperature bakelite resistance
- Mini size, easy to take
- Used for holding solder iron

 12  12 / 240



# Soldering Iron Stand with Sponge

## 6BC200

- Suitable for most pencil type soldering irons
- Convenient for easy storage
- Sponge for tip cleaning
- Double spiral spring construction prevents the hot soldering iron from accidentally burning the surface of other objects when it is inserted into the stand

 187  4 / 24

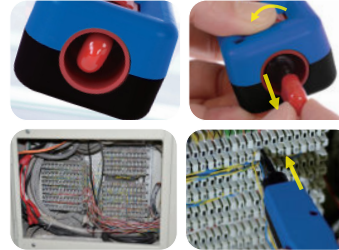
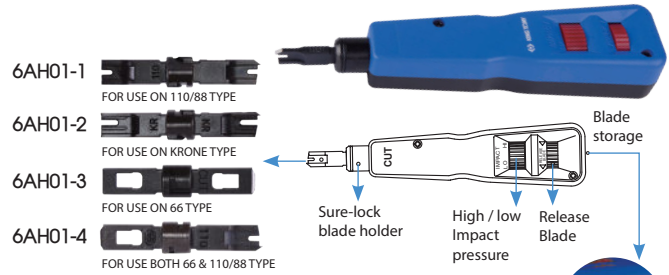


# Punch Down Tool

## 6AH

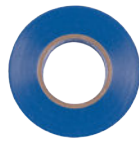
- For setting wire into terminal blocks or cut off wire end after terminated
- Blade : 66 & 110/88 & Krone type

KT NO.	Type	Overall length				
		inch	mm			
6AH11	110/88	6-3/4	170	140	20	80
6AH12	KRONE	6-3/4	170	140	20	80
6AH13	66	6-3/4	170	140	20	80
6AH14	66 & 110/88	6-3/4	170	140	20	80



# PVC Electrical Insulation Tape

## 6AG11-20



KT NO.	Width mm			
6AG11-20	18	52	1	250

# Electronic Tool Set

- To repair electronic equipment...etc.

## 90217PQ



6BC23B Soldering iron 220V/30W

## 90217PQ01



6BC23A Soldering iron 220V/30W

## 90217PQ02



6BC23D Soldering iron 220V/30W

## 90217PQ03



6BC23F Soldering iron 110V/30W



17 PC.

Contents				
	1412	1.26	1	8
3 x 75, 5.5 x 100, 6.5 x 100				
	1411	PH0 x 75, PH1 x 100, PH2 x 100		
	6207-05		6377-55	
	6741-06		3611-06R	
	6BC23		6BC100	
	6BF11-17		6BD11	
	6AF11-125		6CB02	
	7976-65			

# Electrician Tool Box Set

## 97121PQ

- For electrician equipment

21 PC.



87407  
Overall size :  
445 x 240 x 206 mm














Contents				
	1471	4.9	1	0.79
VDE PH0 x 75, PH1 x 100, PH2 x 100, PH3 x 150				
	1472	VDE 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175		
	6116-07A	VDE 7-1/2"		
	6146-08A	VDE 8-1/4"		
	6216-06A	VDE 6-1/2"		
	6318-08A	VDE 8-1/4"		
	6516-10A	VDE 10"		
	6716-06A	VDE 6-1/4"		
	6214-45	4-1/2"		
	6334-05	5"		
	6721-10			
	6751-44			
	6AB12-55			
	7932-04			



# Electrician Tool Bag Set

## 91333MQ

- For electrician equipment

Contents		6.02	1
⊕	 1421	PH1 x 80, PH2 x 100	
⊖	 1422	5 x 75, 5 x 100, 6.5 x 100, 6.5 x 150	
⊕	 1471	VDE PH2 x 100	
⊖	 1472	VDE 6.5 x 150	
	 6116-07A	VDE 7-1/2"	
	 6216-06A	VDE 6-1/2"	
	 6318-08A	VDE 8-1/4"	
	 6716-06A	VDE 6-1/4"	
	 20109MR	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	
	 20129SR	1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 5/64	
	 3611-08R	200mm	
	 79093-05C	5M/16FT 19mm	
	 7971-07	165mm	


















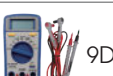





33  
PC.

87711C  
Overall size :  
550 x 285 x 370 mm / 39 inner pockets

## 91038MY01

- For electronic & electrician equipment...etc

Contents		3.13	1
⊕	 1421	PH0 x 60, PH1 x 80, PH2 x 100	
⊖	 1422	3 x 75, 5 x 75, 6.5 x 100	
	 6207-05	 6377-55	 6AB12-55
	 6BF11-17	 6BD11	 6313-06
	 7976-65	 6AF11-125	 6732-09
	 6BC24A 220V / 40W	 87137	 6BC200
	 6BE11-07	 6BE12-07	 6BE16-07
	 9DM1361	 1036ZQ	 ST20219MY1
	 87721B		



38  
PC.

87721B  
Overall size : 360 x 200 x 250 mm





Lit when in DC mode measurement



Lit when in diode check



Unit for voltage measurement



Lit when in AC mode measurement



Data hold indication



Numeral date display



Negative polarity indicator-lit when the polarity is negative



Lit when the battery is low



Lit when in transistor hFE check



Auto range indicator



Unit for resistance measurement

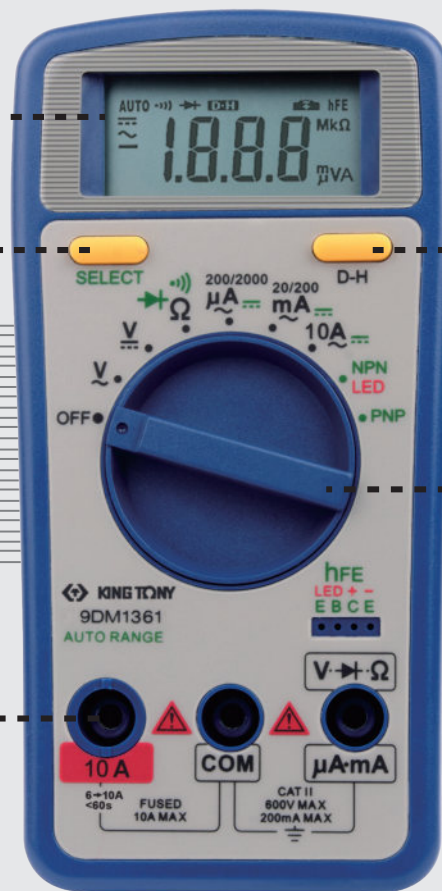


Unit for current measurement



Lit when in continuity check

### LCD DISPLAY



SELECT KEY

DATA HOLD KEY

### INPUT TERMINAL 10A USAGE ONLY

- The Max. protective fuse for  $\mu\text{A}$ ,  $\mu\text{A}$ ,  $\text{mA}$ ,  $\text{mA}$  is 0.5A/250V
- The Max. protective fuse for  $10\text{A}$ ,  $10\text{A}$  is 15A/250V

### POWER & FUNCTION SWITCH



AC voltage measurement



AC/DC current measurement in 10 amperes



Turn off the power



DC voltage measurement



Transistor in NPN hFE measurement



Transistor in PNP hFE measurement



AC/DC current measurement in micro-amperes



LED test



Resistance measurement / Diode test / Continuity check



AC/DC current measurement in milli-amperes



AC or DC measurement

# Digital Multimeter

## 9DM1361

- Date hold, auto range, auto power off selection, auto power off cancellation
- Unit & function indication, Maximum reading value 1999 digits. Negative polarity indicator (no indication is given for positive polarity)
- Low power consumption
- Fuse with : 500mA / 600V & 10A / 600V
- AAA battery x 2 PC. included
- CE approval IEC61010-1 (2010), CAT.II 600V, CAT.III 300V



Specification	
DC Voltages (0.1mV ~ 1V)	200mV / 2V / 20V / 200V / 600V
AC Voltages (0.001V ~ 1V)	2V / 20V / 200V / 600V
DC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
AC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
Resistance (0.1Ω ~ 0.01MΩ)	200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ
Continuity check	Yes
Diode test	Yes
hFE(NPN, PNP)	Yes
LED check	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 2000 counts
Sampling rate	3 times / sec

KT NO.	Size (mm)	⚖️	📦
	L x W x H		
9DM1361	138 x 70 x 32	85	10 / 60



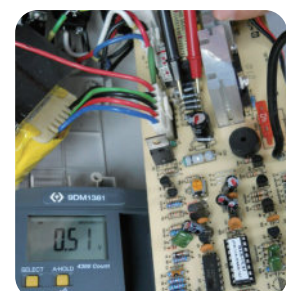
# Digital Multimeter

## 9DM1381

- Pocket size with flip cover design
- Approx. 4300 counts LCD display
- Auto range, auto power off selection
- Low power consumption
- LR44 battery x 2 PC. included
- CE approval EN61010-1, CAT.II 600V, CAT.III 300V
- Attachable test leads, easy operation

Specification	
DC Voltages (0.1mV ~ 1V)	400mV / 4V / 40V / 400V / 600V
AC Voltages (0.001V ~ 1V)	4V / 40V / 400V / 600V
Resistance (0.1Ω ~ 0.01MΩ)	400Ω / 4kΩ / 40kΩ / 400kΩ / 4MΩ / 40MΩ
Continuity check	Yes
Diode test	Yes
Overload indicator	OL
Low battery indicator	Yes
Sampling rate	Approx. 2 times / sec

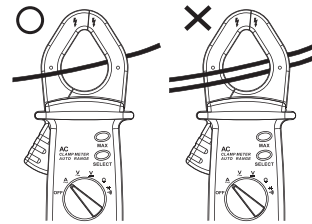
KT NO.	Size (mm)	⚖️	📦
	L x W x H		
9DM1381	117 x 76 x 18	121	20 / 80



# Digital Clamp Meter

## 9DM2351

- Max clamp size : Ø 30mm
- Unit & function indication, maximum reading value 1999 digits
- Negative polarity indicator (no indication is given for positive polarity)
- Auto power off selection approx. 15 minutes
- Low power consumption
- AAA battery x 2 PC. included
- CE approval IEC 61010-1, IEC 61010-2-032  
CAT.III 600V Pollution Degree 2
- Attachable test leads, easy operation



Specification	
AC Ampere (0.1A - 1A)	200A / 600A
AC Voltages (0.001V - 1V)	2V / 20V / 200V / 600V
DC Voltages (0.1mV - 1V)	200mV / 2V / 20V / 200V / 600V
Resistance (0.1Ω - 0.01MΩ)	200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ
Continuity check	Yes
Diode test	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 1999 counts
Sampling rate	3 times / Sec.
Overload indicator	OL

KT NO.	Size (mm) L x W x H		
9DM2351	189 x 71 x 37	354	5 / 40

# AC Non-contact Voltage Tester

## 6CB31

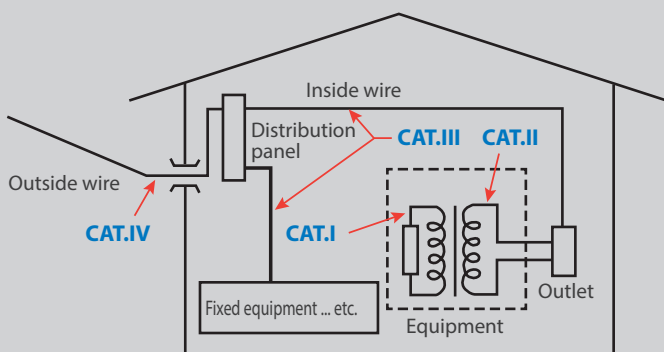
- Voltage ranges : 80 to 1000V AC.(50~60Hz)
- Application :  
AC voltage in outlets, lighting, circuit breakers, wires and cables etc..
- Adjustable sensitivity voltage detection
- Visible LED light voltage indicator in tip  
(Green light is high gear, red light is low gear)
- AAA battery x 2 PC. included
- Standard category :  
EN 61000-6-3 / EN 61000-6-1 CAT III



KT NO.	Overall size (mm) L x W x H		
6CB31	160 x 20 x 24	72	10 / 100

## Measurement level

The input voltage should not exceed the maximum value.



Measurement level	Description	Example
CAT.I	Measurement directly connected to the power supply circuit board	The secondary of the transformer measured
CAT.II	Measurement board directly connected to the low voltage devices	Equipment, portable devices
CAT.III	Equipment within the building	Distribution panels, circuit breakers
CAT.IV	Sources of all low voltage installations	Overhead lines, cable facilities



# 9 in 1 Multifunctional Wire Stripper

## 6CB41

- Non-contact voltage detection 80 - 1000V, 3 minutes auto power off
- Application: AC voltage in outlets, lighting, circuit breakers, wires and cables etc
- Illumination: COB LED
- Magnetic pads which can be useful for holding small components like nuts and bolts
- Screwdriver No. PH2 x1
- Battery: 3V (AAA 1.5V x2) Included
- Standard category: CAT IV 1000,  
EN 61010-1 : 2010/A1 : 2019, EN 62471 : 2008,  
EN 61326-1 : 2013, EN 61326-2-2 : 2013



- Magnetic
- Lock
- Cut



- Stripper(romex cable type NM-B)
- Stripper
- Stripper



- Volt tester
- Measurement
- Screwdriver (Use 65mm-70mm)



- Light switch
- Test switch

KT NO.	Wire stripper mm <sup>2</sup> AWG	Stripping romex cable	Stripping round cable Ø mm	Wire cutter Ø mm		
6CB41	0.5~8 20~8	12~2	8~10	7	220	1 / 50



# Infrared Thermometer

## 9DN12

- Not necessary to contact with the object
- IR point can be displayed clearly
- °C and °F interchangeable functions
- Selection of different materials
- Dark screen backlight test board functions
- 15 seconds automatically turn off the screen
- 9V battery x 1 PC. (included)

### Technical data

Temperature range	-30~550°C (-22~1022°F)
Operating temperature	0~50°C
Resolution	0.1°C / 0.1°F
Accuracy	±2.5% OR 3°C
Emissivity	Selectable (0.85 / 0.90 / 0.95)
Distance to spot ratio	12 : 1
Auto power off	15 seconds
Laser pointer	Class 2 Laser < 1 mW

KT NO.	Overall Size (mm) L x W x H		
9DN12	193 x 47 x 126	313	5 / 20



# Testing Screwdriver

## 6CB02

- Testing range : 100~250V
- CE approval
- Don't use the testing screwdriver as screwdriver
- Neon indicator



KT NO.					Testing range		
6CB02	3 mm	0.6 mm	65.5 mm	140 mm	100~250V	15	12 / 288

# Digital Voltage Tester

## 6CB21

- Self-Diagnostic test
- Built-in LED flashlight
- LCD Display
- Protection IP64
- AAA 1.5V x 2 PC.
- Standard category :  
EN 61243-3 / IEC 61243-3  
EN 61010-1 / IEC 61010-1  
CAT.III 690V / CAT.IV 600V

KT NO.	Overall Size (mm) L x W x H		
6CB21	255 x 66 x 30	250	5 / 20

### Specification

DC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Polarity indication	Yes
AC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Phase rotation test	Yes
High voltage indication	≥ 50V
Frequency range	0-70Hz
Continuity test	0~550KΩ
Operation condition	-10~55°C



# WIRE & CABLE TOOLS



ELECTRONIC & ELECTRICAL



# Electrician Scissors

## 6AB13-06

- High cutting performance by low cutting force



• 38mm<sup>2</sup> wire



Ergonomic design, handles made of high compressive strength and non-slip nylon fiber + TPV  
Special handle design, also suitable for the left-hander

Blades made of AUS-8, serrated on the edge can prevent objects from slip away, soft cable, up to dia 38mm<sup>2</sup>, insulation materials, electrical tape cable tie

KT NO.	Overall length		Cutting length mm	Cutting capacity AWG	Cutting capacity mm <sup>2</sup>	Scales	Boxes
	inch	mm					
6AB13-06	6	150	26	2	38	114	12 / 72

## 6AB21-65

- Curved mouth cable cutter
- Safety blade locking system



KT NO.	Overall length		Cutting length mm	Cutting capacity Ø mm	Scales	Boxes
	inch	mm				
6AB21-65	6-1/2	158	22	10	156	12 / 72

# Multi-purpose Scissors

## 6AB12-55

- Stainless steel with serrated edges
- Grip material - PP + TPR



KT NO.	Overall length mm	Cutting length (mm)	Cutting capacities (mm)							Scales	Boxes
			Electric cable	Cardboard	Rubber	Leather	Rolled steel	Copper (soft)	Aluminum		
6AB12-55	145	55	10	10	10	10	0.5	0.5	0.5	94	12 / 72

## 6AB31

- Even mouth cable cutter
- Safety blade locking system



6AB31-75



6AB31-85

KT NO.	Overall length		Cutting capacity mm	AWG	mm <sup>2</sup>	Cutting capacity			Scales	Boxes
	inch	mm				Leather	Copper(soft)	Aluminum		
6AB31-75	7-1/2	185	52	16-12	1.5-4.0	2.0	0.5	0.5	160	12 / 72
6AB31-85	8-1/2	214	78	16-12	1.5-4.0	2.0	0.5	0.5	196	12 / 72

- Cut cable, cardboard, rubber, leather, rolled steel, copper (soft), aluminum, carpet, branch and so on.

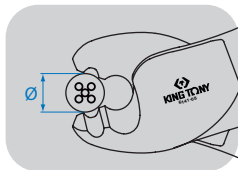




## Cable Cutting Pliers

### 6141C

- Polished head
- For cutting copper and aluminum cables, single and multiple wire



KT NO.	Overall length		Cutting capacity		Kg	Box / Carton
	Inch	mm	DIN(mm <sup>2</sup> )	AWG		
6141-06C	6	160	33	2	169	6 / 120
6141-08C	8-3/8	212	67	2 / 0	282	6 / 60

## Cable Cutter

### 6AD

- Cable cutter for cutting copper and aluminum cable



• Can be use with : 67B3-55 439 / 6AC51 444

KT NO.	Overall length mm	Cutting capacity		Kg	Box / Carton
		DIN(mm <sup>2</sup> )	AWG(MCM)		
6AD17-150	435	150	300	1.34	1 / 20
6AD23-400	595	400	800	1.84	1 / 10

## Ratcheting Cable Cutter

### 6AD10-325

- Cut soft copper, aluminum and multiple conductor cable to 325mm<sup>2</sup> (600MCM)
- Cuts hard drawn copper to 200mm<sup>2</sup> (400MCM)



KT NO.	Overall length mm	Cutting capacity		Kg	Box / Carton
		mm <sup>2</sup>	AWG(MCM)		
6AD10-325	255	325	600	613.2	10 / 30
6AD10-3P01	Spare cutting blade			58	1 / 100

### 6AD16-500

- Cut soft copper, aluminum and multiple conductor cable to 500mm<sup>2</sup> (1000MCM)



KT NO.	Overall length mm	Cutting capacity		Kg	Box / Carton
		mm <sup>2</sup>	AWG(MCM)		
6AD16-500	400	500	1000	1.60	1 / 10



# Electrician Knife

## 7932-04

- Electrician knife with wire stripper
- 1 blade with half-moon notch for stripping and vee for cutting



KT NO.	Blade length mm	Closed length mm	Overall length mm		
7932-04	85	110	196	75	10 / 180



## 7933-45

- Straight blade electrician knife



KT NO.	Blade length mm	Closed length mm	Overall length mm		
7933-45	85	120	205	111	10 / 180

## 7934-45

- Billhook blade electrician knife



KT NO.	Blade length mm	Closed length mm	Overall length mm		
7934-45	75	120	191	125	10 / 180

# Utility Cutter

## 7971-07

- Automatically reloading snap-off blades
- Ergonomic soft ABS TPR handle
- Stainless steel blade guide
- Blade lock knob
- 4-blade cartridge(18mm)

KT NO.	L mm		
7971-07	165	180	6 / 72



- 3 blades in storage

## 7978-07

- 3-blade cartridge with automatically reloading function
- Material : SK4 (HRC  $\geq$  62)
- 0.5mm thickness and 18mm width

KT NO.	L mm		
7978-07	175	131	12 / 144



- Quickly remove blade & automatically reload function

- 3 blades in storage

## 7978-07-S

Paper display stand size(mm) :  
172 x 1360 x 222mm ( 1.83CUFT)

KT NO.	Contents		
7978-07-S	x 12 PC.	1.58	1 / 12



12  
PC.



# Utility Cutter

## 7977-07

- Heavy duty 18mm wide cutting knife with snap off blades
- Exceptional cutting performance with SK4 blade (HRC  $\geq$  65)
- Provides sharper and more stable cutting with a high hardness cutting edge




7977-07P02  
(18mm, 10 PC.)

KT NO.	L mm	N.W	G.W	CUFT	⚖️	📦
7977-07	180	20	22	2.13	117	12 / 144
7977-07P02	-	10	12	1.06	9	200 / 2400



## 7977-07-S

Paper display stand size(mm) :  
265 x 162 x 245 (0.37CUFT)

KT NO.	Contents	⚖️	📦
7977-07-S	 x 12 PC. 7977-07	2.23	4



12  
PC.

# Folding Clasp Knife

## 7941-08

- Suitable for mechanics, outdoor and camping etc
- Blade fixator folded out
- Light and handy to use
- Stainless Blade with blacking coating
- With belt clip

KT NO.	L mm	⚖️	📦
7941-08	210	166	8 / 48



# 2-in-1 Folding Twin Blade Knife & Set

## 7945-07

- 2-in-1 twin blade design allows the user to alternate between 2 blades without carrying more than 1 knife
- Interlocking blade sliders so that only 1 blade is extended at a time
- Folding lockback design fits easily in pocket
- Push button blade release for quick blade change in seconds



KT NO.	L mm		
7945-07	171	157	1 / 80

## 7945-07-S

Paper display stand size(mm) :  
265 x 162 x 245 (0.37CUFT)

KT NO.	Contents		
7945-07-S	x 12 PC.	2.23	4



12 PC.

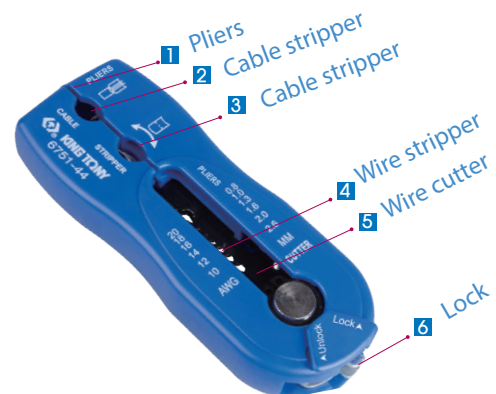
# Multi-purpose Wire Stripper

## 6751-44

- Wire stripper
- Wire cutter
- Cable stripper



Preparation blade



KT NO.	Wire stripper Ø mm AWG	Cable stripper Ø mm	Wire cutter Ø mm		
6751-44	0.8-2.6 20-10	6-10	6	116	10 / 120



# Wire Stripper

6762-08



- Insulated terminal crimping
- Wire stripper
- Wire cutter

KT NO.	Wire stripper mm <sup>2</sup>	Wire stripper AWG	Wire cutter Ø mm	Insulated terminal crimping mm <sup>2</sup>	Insulated terminal crimping AWG	⚖️	📦
6762-08	0.2-6	24-10	6	0.5-6	22-10	271	15 / 60

67A1-07



KT NO.	Wire stripper mm <sup>2</sup>	Wire stripper AWG	Wire cutter Ø mm	⚖️	📦
67A1-07	0.05-3.5	30-12	5	209	12 / 60

# Wire Stripper Pliers

6761-07

- Aluminum body design for light weight
- Special design of strip length setting function for quickly operate
- SK5 knife

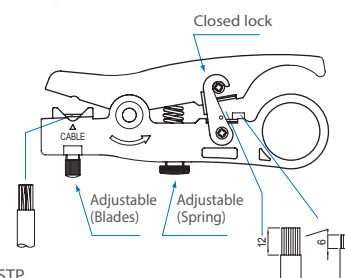


KT NO.	Wire stripper mm <sup>2</sup>	Overall length mm	⚖️	📦
6761-07	0.9, 1.25, 2, 3.5, 5.5	178	271	10 / 60

# Cable Stripper

6755-05

- UTP/STP, flat cable stripper & cutter
- Material : ABS



UTP/STP cable stripper	(Ø 2.6 ~ Ø 8.0)
Flat cable stripper / cutter	RJ-45 (12 mm), RJ-11/12 (6 mm)

KT NO.	Overall length inch	Overall length mm	⚖️	📦
6755-05	5	127	72	20 / 120

UTP/STP  
Cable stripper  
(Ø 2.6 ~ Ø 8.0)

Flat cable  
stripper / cutter  
RJ-45 (12 mm)  
RJ-11/12 (6 mm)



# Coax. Cable Stripper

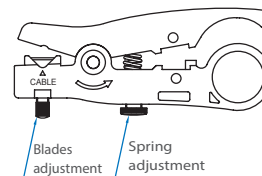
## 6756-05

- 2-Blades model
- Material : ABS



Stripper dimension "d"	6.4 mm	
Stripper distance 2-Blades model	RG-174/58/59/62/6 3C/4C/5C (Ø 2.6 ~ Ø 8.0)	

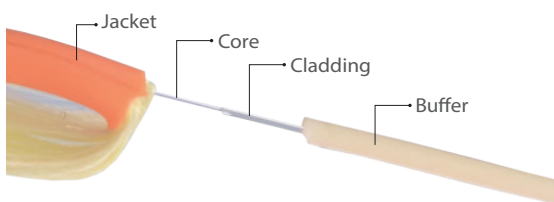
KT NO.	Overall length				
	inch	mm			
6756-05	5	127	68	20 / 120	



# Fiber Optic Stripper

## 67B1-06

- Three in one model performs all common fiber stripping functions
- Safety locking system for easy and steady stripping
- Ergonomic handle for comfort grip



Safety locking system



• To strip the 2.0-3.0 mm fiber jacketing

• 600-900 micron buffer layer stripping

• Strips the 250 micron cable down to the glass fiber without scratching or nicking glass fiber

KT NO.	Overall length		Stripping range					
	inch	mm	mm	µm	µm			
67B1-06	6	150	2.0-3.0	600-900	250	130	10 / 100	

# Multi-stripper

## 67B2-05

KT NO.	Overall length				
	inch	mm			
67B2-05	4-3/4	120	69	15 / 90	

### Stripping capacity

- Round cables between : 8-13mm
- Wire cable : 0.5 1.0 1.5 2.5 4.0 6.0mm<sup>2</sup>
- AWG : 20 18 16 14 12 10
- Coax.cable : RG-6 / RG-59

Sliding lock



# Cable Stripper

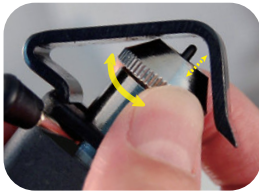
## 67B3-55

- Fast and safe stripping of round cable sheaths made of PVC or rubber from 6-45mm dia
- Adjustable knurled nut for max 6mm sheath

KT NO.	Cable stripper Ø mm	Overall length		Scales	Boxes
		inch	mm		
67B3-55	6-45	5-1/2	140	170	10 / 100



• Can be use with : 6AC51 444 / 6AD 433



- Adjustable cutting depth



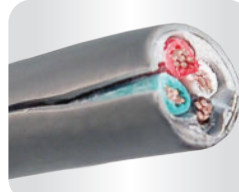
- Push cover



- Simple rotating the tool body



Stop



- Remove the cable sheaths without damage of the inner conductors

# Cable Tie Fasten Tool

## 67E2-08

- Fasten nylon ties, up to 9mm in width
- Long stroke for fast action
- Tails cut separately to desired length

KT NO.	L mm	Max. cutting width (mm)	Scales	Boxes





■ Crimp die profiles

Symbol		
		Phone plugs 6 pin
		Modular plugs 8 pin
		Insulated terminal connectors
		Non-Insulated terminal connectors
		Pin terminal, Insulated & Non-Insulated ferrules
		Non-Insulated terminal, Lug connectors

Symbol		
		CATV "F", BNC, COAX, and fiber optics connectors





# Modular Crimping Tool

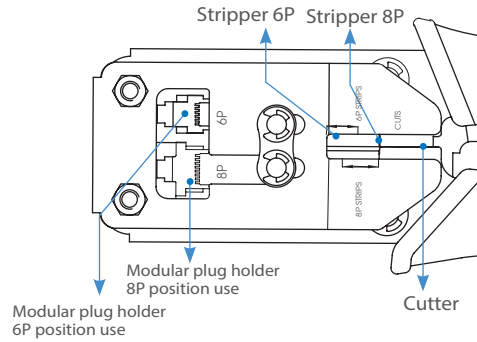
## 67F1-08

- For cutting / stripping / crimping
- 2 types of plugs in 1 tool
- Grip material - PP+TPR



• 6P                      • 8P

KIT NO.	Overall length			
	inch	mm		
67F1-08	8	203	370	10 / 40



# Interchangeable Ratchet Crimping Tool Set

## 42107GX

- Quick interchangeable ratchet function & easy to use
- Crimping jaws with heat treatment
- Blow case size (mm) : 282 x 176 x 52 (0.09 cuft)

1.16    1 / 10



7 PC.

# Ratchet Crimping Tool Set

## 67G0005

- Blow case size (mm) : 240 x 70 x 50 (0.07 cuft)

1    1 / 16



5 PC.



Item No.	Replacement die set	Terminal size	Description	
6781POA		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>	Insulated Terminal	
6781POB		AWG 1.5 / 2.5 / 8 / 10 mm <sup>2</sup>	Non-Insulated Terminal	
6781POC		AWG 0.5-1 / 1.5 / 2.5 / 4-6 mm <sup>2</sup>	Open Barrel Terminal	
6781POD		AWG 0.5 / 0.75 / 1 / 1.5 / 2.5 / 4 mm <sup>2</sup>	Insulated Core-end Terminal	
6781POF		AWG 6 / 8 / 10 / 16 mm <sup>2</sup>	Insulated Huge Core-end Terminal	
6781POH		AWG 0.5 / 2.5 / 8-6 / 8-10 / 14 / 22 mm <sup>2</sup>	Open Barrel & D-Sub, V.35 Connectors	
6781-85			Ratchet	

Item No.	Replacement die set	Terminal size	Description	
67GN-09		AWG 12 / 14 / 16 / 18 / 20 / 22 / 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm <sup>2</sup>	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJP01		AWG 6 / 8 / 10 / 6 / 10 / 16 mm <sup>2</sup>	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GKP01		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>	INTER-LOCKING & NON-INSULATED	
67GLP01		AWG 12-10 / 8 / 16-14 / 20-18 / 1.5 / 2.5 / 6 / 10 mm <sup>2</sup>	NON-INSULATED TERMINAL	
67GHP01		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>	FOR INSULATED TERMINAL	



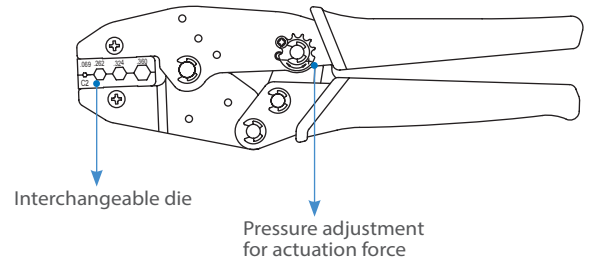
# Ratchet Crimping Tool

## 67G

- For crimping RG type cable
- CATV "F" connectors
- Interchangeable die



KT NO.	Overall length			
	inch	mm		
67G	8.7	222	480	1 / 30



Item No.	Replacement die set	Terminal size	Description	
67G1-09	 67G1P01	.068" .262" .324" .360" (1.72 6.65 8.23 9.14 mm)	CATV "F" Connectors RG59, 6	
67GB-09	 67GBP01	.075" .100" .128" .429" (1.9 2.54 3.25 10.9 mm)	RG8, 9, 11, 174, 316 BELDEN 9913	
67GN-09	 67GNP01	AWG 12 / 14 / 16 / 18 / 20 / 22 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm <sup>2</sup>	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJ-09	 67GJP01	AWG 6 / 8 / 10, 6 / 10 / 16 mm <sup>2</sup>	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GK-09	 67GKP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>	INTER-LOCKING & NON-INSULATED	
67GL-09	 67GLP01	AWG 12-10 / 8 / 16-14 / 20-18 1.5 / 2.5 / 6 / 10 mm <sup>2</sup>	NON-INSULATED TERMINAL	
67GH-09	 67GHP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>	FOR INSULATED TERMINAL	
67GG-09	Unchangeable AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm <sup>2</sup>		FOR INSULATED TERMINAL	



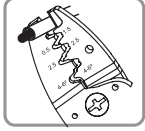
# Crimping Tools

## 6721-10

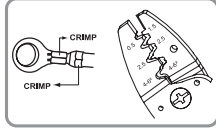
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Open barrel)
- Wire stripper



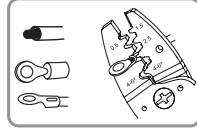
### FUNCTION:



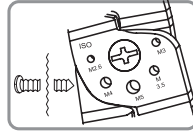
• Wire cutter



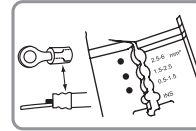
• Open barrel terminal crimping



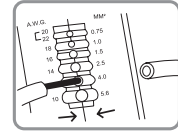
• Non-Insulated terminal Crimping



• Bolt-cutter



• Insulated terminal Crimping

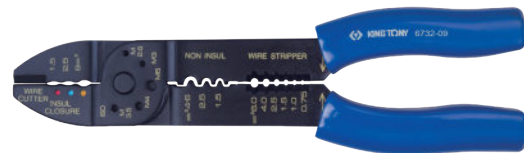


• Wire stripper

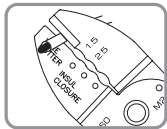
KT NO.	Wire cutter Ø mm <sup>2</sup>	Insulated terminal crimping	Bolt-cutter	Non insulated terminal crimp	Open barrel terminal crimping	Wire stripper mm <sup>2</sup>		
6721-10	6	0.5~6	M2.6~5	0.5~6	1.5~6	0.75~6.0	248	10 / 50

## 6732-09

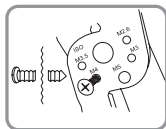
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Ring)
- Wire stripper



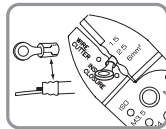
### FUNCTION:



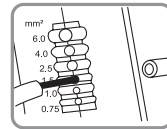
• Wire cutter



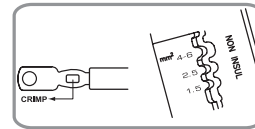
• Bolt-cutter



• Insulated terminal Crimping



• Wire stripper



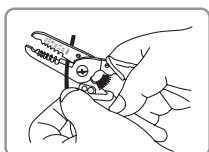
• Non-insulated ring terminal crimping

KT NO.	Wire cutter Ø mm <sup>2</sup>	Insulated terminal crimping	Bolt-cutter	Non-insulated ring terminal crimping	Wire stripper mm <sup>2</sup>		
6732-09	6	1.5~6	M2.6~5	1.5~6	0.75~6.0	261	24 / 72

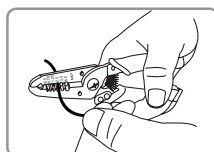
## 6741-06

- Wire cutter
- Wire stripper

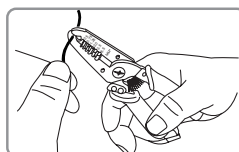
### FUNCTION:



• Wire cutter



• Wire stripper



• Peel the electric wire's shell



KT NO.	Wire cutter Ø mm <sup>2</sup>	Wire stripper mm <sup>2</sup>		
6741-06	6	0.5~5.5	103	10 / 100






# Heavy Duty Crimping Tool

## 6AC51-26

- For cable lugs from 10mm<sup>2</sup>-150mm<sup>2</sup> with non-ratchet screw adjustment

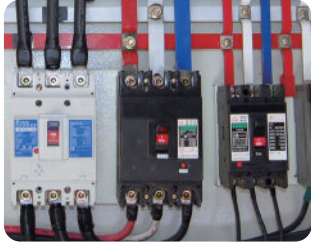



### Crimping capacity

KT NO.	Overall length mm	 kg	 / 	Crimping capacity										
				AWG	8	6	4	2	1/0	2/0	3/0	4/0	300MCM	
6AC51-26	665	3.9	1 / 5	JIS(mm <sup>2</sup> )	8	14	22	38	60	70	80	100	150	
				DIN(mm <sup>2</sup> )	10	16	25	35	50	70	95	120	150	

## 6AC52-12

- Ratchet designed. For non-insulated terminals



KT NO.	Overall length		 kg	 / 
	inch	mm		
6AC52-12	12	300	520	6 / 24

Item No.	AWG	16	14	10	8	6
	JIS mm <sup>2</sup>	1.25	2	5.5	8	14
	DIN mm <sup>2</sup>	1.5	2.5	6	10	16

6AC52-12	•	•	•	•	•
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# HAMMERS & STRIKING TOOLS ▶





KING TONY  
7821-50

KING TONY  
7883-10

KING TONY  
7881-16

7821-09 CR-V  
KING TONY 7821-09 CR-V

7813-06 CR-V  
KING TONY 7813-06 CR-V

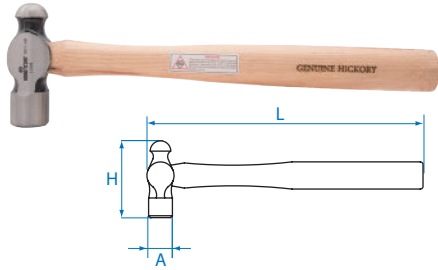
7815-18MM  
KING TONY 7815-18MM

# Hammer

Convert:  
1g = 0.035 oz / 1g = 0.0022 lb

## 7811

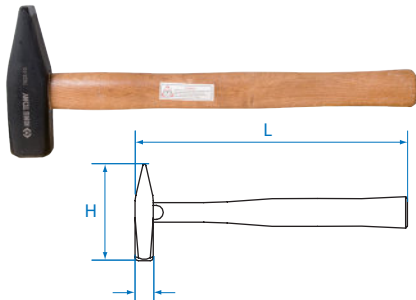
- American style
- Forged and hardened steel
- Wood and metal wedge
- GGG-H86C



KT NO.	H.W g	A mm	H mm	L mm		
7811-08	245	25	80	300	391	6 / 60
7811-12	370	29	93	300	480	6 / 48
7811-16	485	32.5	103	353	651	6 / 36
7811-24	765	35.5	122	405	983	6 / 24
7811-32	925	40.5	125	405	1170	6 / 24
7811-40	1125	42.2	133	405	1344	6 / 12

## 7821

- 7821:
- German style
  - Forged and hardened steel
  - Wood and metal wedge
  - DIN 1041



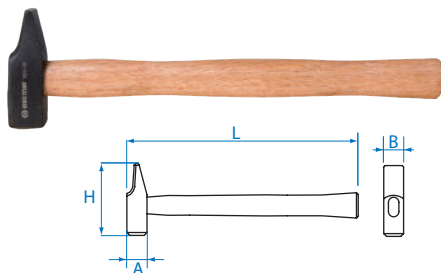
KT NO.	H.W g	A mm	H mm	L mm		
7821-30	395	23	103	300	371	12 / 48
7821-50	615	27	120.5	320	664	6 / 36
7821-80	990	33	130	350	976	6 / 24

## 7823

- 7823:
- Engineer's hammer
  - DIN1041

## 7822

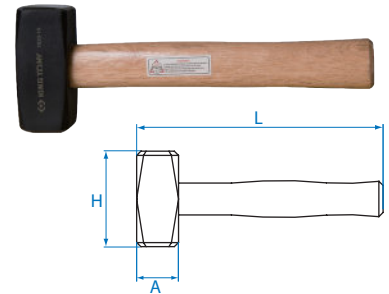
- Riveting hammer
- NF E71-016



KT NO.	H.W g	A mm	B mm	H mm	L mm		
7822-25	315	25	22	85	280	328	10 / 40
7822-30	400	30	26	95	300	463	10 / 40
7822-35	630	35	31	105	300	715	9 / 36
7822-40	800	40	35	115	320	977	8 / 16
7822-45	1250	45	40	124	355	1267	8 / 16
7822-50	1600	50	44	135	382	1856	6 / 12

## 7833

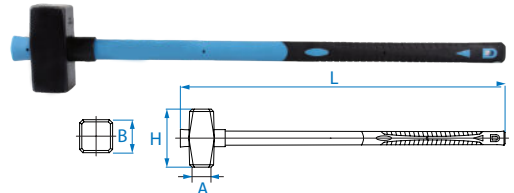
- Lump hammer
- DIN 6475



KT NO.	H.W g	A mm	H mm	L mm		
7833-10	1000	40	95	260	1066	7 / 14
7833-12	1250	43	100	260	1425	6 / 12
7833-15	1500	45	110	280	1642	6 / 12
7833-20	2000	50	120	300	2142	4 / 8

## 7834

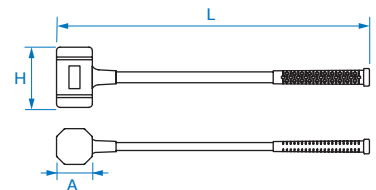
- Sledge hammer
- Fiberglass handle



KT NO.	H.W g	A mm	B mm	H mm	L mm		
7834-50	5000	66	66	160	895	5930	1 / 2

## 7852

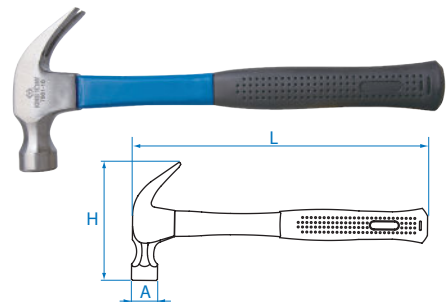
- Rubber hammer
- Fiberglass handle



KT NO.	H.W g	A mm	H mm	L mm		
7852-23	1650	69.5	142	500	2000	4 / 12
7852-55	4500	104	198	910	5500	2 / 4

## 7861

- Fiberglass claw hammer



KT NO.	H.W g	A mm	H mm	L mm		
7861-08	225	24.8	106	275	374	10 / 40
7861-16	450	30	133	335	740	4 / 24
7861-20	565	31	144	340	830	4 / 24
7861-24	680	32	147	380	920	10 / 20





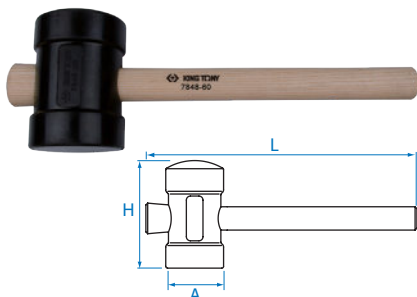
# Hammer



**CAUTION** Please wear proper safety gear while working.

## 7848

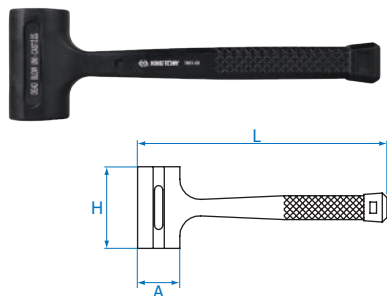
- Rubber hammer
- Feature : used to lay basalt floors, tires and other materials which are vulnerable



KT NO.	H.W g	A mm	H mm	L mm		
7848-60	523	64	119	330	628	6 / 12
7848-80	821	79	119	350	979	5 / 10

## 7851

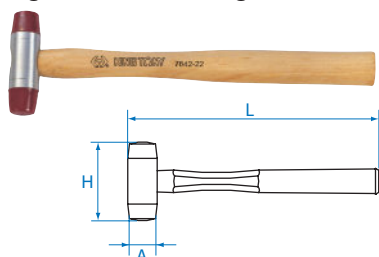
- Dead blow hammer



KT NO.	H.W g	A mm	H mm	L mm		
7851-08	227	43	81	272	572	6 / 24
7851-16	454	46	100	304	804	6 / 24
7851-24	680	49	100	322	942	6 / 24
7851-32	907	55	100	342	1059	6 / 24
7851-40	1134	58	110	342	1168	6 / 24
7851-48	1361	61	123	355	1321	6 / 12
7851-64	1814	67	136	368	1976	6 / 12

## 7842

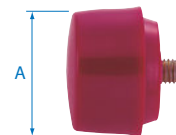
- Soft face hammer
- Replaceable polyurethane face
- Helps minimize marring and surface damage



KT NO.	A mm	H mm	L mm		
7842-22	22	75	255	110	10 / 40
7842-28	28	85	295	165	10 / 40
7842-35	38	100	325	305	8 / 32
7842-45	45	112	335	420	8 / 32
7842-60	60	135	380	895	6 / 12

## 915

- Spare faces for item 7842



KT NO.	A mm		
91522H/S	22	11	10 / 160
91528H/S	28	22	10 / 100
91535H/S	38	38	6 / 120
91545H/S	45	70	6 / 36
91560H/S	60	137	6 / 24

# Hammer Hook

## 91431

- Overall Size - W40 x D210 x H240 mm
- Weight - 411.6 g / Cuft - 0.072



# Chisel & Punch

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk

## 761

### Center punch



KT NO.	Ø mm	L mm		
76103-04	3	100	33	12 / 336
76104-05	4	120	58	12 / 336
76105-06	5	150	129	12 / 144

## 763

### Starter punch



KT NO.	Ø mm	L mm		
76301-05	1	120	57	12 / 336
76302-05	2	120	55	12 / 336
76303-05	3	120	57	12 / 336
76304-05	4	120	58	12 / 336
76305-05	5	120	59	12 / 336
76306-05	6	120	61	12 / 336
76307-05	7	120	101	12 / 240
76308-05	8	120	110	12 / 240
76309-06	9	150	141	12 / 144
76310-06	10	150	144	12 / 144



# Chisel & Punch Set



- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk

## 765 Cape chisel



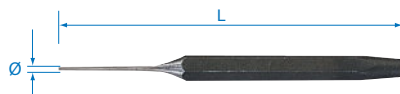
KT NO.	A mm	L mm	g	Box
76505-05	5	130	66	12 / 240

## 762 Flat chisel



KT NO.	A mm	L mm	g	Box
<b>new</b> 76210-10	10	250	135	12 / 144
76213-04	13	100	52	12 / 336
76215-05	15	125	67	12 / 336
76217-06	17	150	140	12 / 144
76220-07	20	175	169	12 / 144
76223-08	23	200	295	12 / 72
76224-10	24	250	376	4 / 40
76226-12	26	300	649	4 / 32

## 764 Pin punch



KT NO.	Ø mm	L mm	g	Box
76402-45	2	115	31	10 / 640
76403-05	3	125	33	10 / 640
76403-06	3	150	39	10 / 250
76404-06	4	150	60	10 / 250
76405-65	5	165	68	10 / 280
76406-07	6	180	125	10 / 150
76408-08	8	200	162	10 / 120
76410-85	10	215	222	12 / 120
76412-09	12	230	349	10 / 80
76414-10	14	250	502	6 / 48

## 1005APR

5 PC.



Contents		g	Box
	76104-05	Ø 4 x 120	8 / 48
	76215-05	15 x 125	
	76303-05	Ø 3 x 120	
	76404-06	Ø 4 x 150	
	76505-05	5 x 130	

## 1006APR

6 PC.



Contents		g	Box
	764	Ø 2 x 115, Ø 3 x 125, Ø 4 x 150, Ø 5 x 165, Ø 6 x 180, Ø 8 x 200	5 / 30

# Flat Chisel & Punch Set

## 1090PR1

- Flat chisel & punch set

KT NO.	Contents	Each Qty	g	Cuff
1090PR1	761	6	13.50	0.34'
	762			
	763			
	764			
	764			
	767			
8711B	600 x 240 x 60 mm	1	6.20	0.9'
8711B-1	600 x 232 x 230 mm	1	2.00	1.7'



90 PC.

Shelf size (mm) : 600 x 240 x 290



# Punch Set

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk



► Pouch material : Tetonon



► Pouch material : Nylon



► Pouch material : Tetonon

KT NO.	PC.	Contents		Package		
1006PR	6		Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50	Nylon	0.57	1 / 20
1006PRN	6	764		Tetonon		
			Ø4 x 120, Ø5 x 150			
1016PR	6	762	20 x 175, 23 x 200	Nylon	0.84	1 / 20
		764	Ø3 x 125, Ø5 x 165			
1009PR	9		Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50,	Nylon	1.70	1 / 12
1009PRN	9	764	Ø10 x 65, Ø12 x 70, Ø14 x 75	Tetonon		
			Ø 3 x 100, Ø 4 x 120, Ø 5 x 150			
1010PR	10	763	Ø 3 x 120, Ø 6 x 120, Ø 8 x 120	Nylon	0.88	1 / 24
		764	Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50			
1025PRN	5	762	13 x 100, 15 x 125, 17 x 150, 20 x 175, 23 x 200	Tetonon	0.79	1 / 20

# Sheathed Chisel & Pin Punch

- Material - chrome molybdenum alloy steel
- Finishing - phosphate sunk
- Safe and comfortable grip

## 761-G Sheathed center punch



KT NO.	Ø mm	L mm		
76125-74G	2.5	185	111	12 / 144
76104-74G	4	185	113	12 / 144
76106-74G	6	185	175	12 / 144
76108-74G	8	185	168	12 / 120
76110-74G	10	185	117	12 / 120

## 763-G Sheathed starter punch



KT NO.	Ø mm	L mm		
76302-74G	2	185	111	12 / 144
76303-74G	3	185	111	12 / 144
76304-74G	4	185	112	12 / 144
76305-74G	5	185	115	12 / 144
76306-74G	6	185	118	12 / 144
76308-74G	8	185	166	12 / 120

## 762-G Sheathed flat chisel



KT NO.	A mm	L mm		
76218-75G	18	190	181	10 / 100
76219-75G	19	190	180	10 / 100
76220-84G	20	210	268	8 / 80
76222-84G	22	210	269	8 / 80

## 764-G Sheathed pin punch



KT NO.	Ø mm	L mm		
76402-55G	2	140	50	12 / 384
76403-06G	3	150	53	12 / 384
76404-07G	4	180	96	12 / 144
76405-08G	5	200	110	12 / 144
76406-84G	6	210	163	12 / 120
76407-84G	7	220	163	12 / 120
76408-88G	8	220	174	12 / 96
76409-88G	9	230	183	12 / 96
76410-09G	10	250	246	10 / 80
76412-10G	12	290	347	8 / 64
76414-11G	14	350	443	6 / 48
76416-12G	16	310	594	6 / 36
76410-14G	10	350	358	10 / 60
76412-14G	12	350	476	6 / 36
76414-14G	14	350	521	6 / 36
76416-14G	16	350	670	5 / 30



# Sheathed Pin Punch Set



► Pouch material : Tetonon

KT NO.	PC.	Contents		
1014GPN	4	∅ 10 x 350, ∅ 12 x 350, ∅ 14 x 350, ∅ 16 x 350	2.13	1 / 8
1006GPN	6	∅ 2 x 140, ∅ 3 x 150, ∅ 4 x 180, ∅ 5 x 200, ∅ 6 x 210, ∅ 8 x 220	0.80	1 / 8
1009GPN	9	∅ 2 x 140, ∅ 3 x 150, ∅ 4 x 180, ∅ 5 x 200, ∅ 6 x 210, ∅ 8 x 220, ∅ 10 x 230, ∅ 12 x 250, ∅ 14 x 290	1.82	1 / 12

# Automatic Center Punch

768

- Material : handle - brass, tip - S2
- Spring-loaded trigger design for using without a hammer

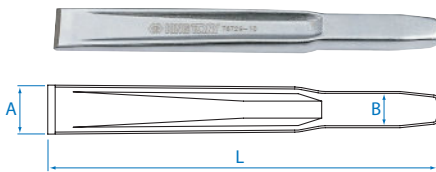
KT NO.	∅ mm	L mm		
76804-05	1.3	130	75.0	30 / 120
76807-06	1.7	155	142	30 / 120



# Flat Chisel & Set

767

- Ribbed type



KT NO.	A mm	B mm	L mm		
76717-05	17	12.6	125	88	12 / 240
76721-06	20	16.0	150	147	12 / 144
76724-08	25	19.0	200	264	12 / 72
76729-10	29	22.3	250	454	8 / 48

11104PR



4 PC.

Contents 1.37 1 / 10

	76717-05	17 x 125
	76721-06	20 x 150
	76724-08	25 x 200
	76729-10	29 x 250
	87108	

11104PR10



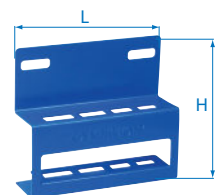
4 PC.

Contents 1.0 1 / 20

	76717-05	17 x 125
	76721-06	20 x 150
	76724-08	25 x 200
	76729-10	29 x 250

87108

- Acrylic display stand



KT NO.	H mm	L mm		
87108	140	160	410	12



# Marking Punch



## 11409SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Invert number 6 to be number 9 (For 11409SQ)
- The letter A~Z with extra "&" (ampersand) included (For 11427SQ)

## 11427SQ



KT NO.	Font size mm	Font size inch	Contents	Square mm	Shank mm <sup>2</sup>	L mm	kg	Box / Carton
11409SQ02	2.0	5/64"	9 PCS 0~9	6.35 x 6.35	6.35	61	0.18	1 / 120
11409SQ03	3.0	1/8"		6.35 x 6.35	6.35	61	0.18	1 / 120
11409SQ04	4.0	5/32"		6.35 x 6.35	6.35	59	0.18	1 / 120
11409SQ05	5.0	3/16"		8 x 8	8	61	0.28	1 / 80
11409SQ06	6.0	1/4"		9.53 x 9.53	9.53	61	0.43	1 / 60
11409SQ08	8.0	5/16"		12.7 x 12.7	12.7	71	0.78	1 / 30
11427SQ02	2.0	5/64"	27 PCS A~Z, &	6.35 x 6.35	6.35	61	0.52	1 / 50
11427SQ03	3.0	1/8"		6.35 x 6.35	6.35	61	0.52	1 / 50
11427SQ04	4.0	5/32"		6.35 x 6.35	6.35	59	0.52	1 / 50
11427SQ05	5.0	3/16"		8 x 8	8	61	0.82	1 / 30
11427SQ06	6.0	1/4"		9.53 x 9.53	9.53	61	1.25	1 / 20
11427SQ08	8.0	5/16"		12.7 x 12.7	12.7	71	2.33	1 / 10

# Heavy Duty Marking Punch

## 11509SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Hardness reduced at striking end HRC40 to have long life time
- Invert number 6 to be number 9 (For 11509SQ)
- The letter A~Z with extra "&" (ampersand) included (For 11527SQ)

## 11527SQ



KT NO.	Font size mm	Font size inch	Contents	Square mm	Shank mm <sup>2</sup>	L mm	kg	Box / Carton
11509SQ05	5.0	3/16"	9 PCS 0~9	11 x 11	11	61	0.56	1 / 30
11527SQ05	5.0	3/16"	27 PCS A~Z, &	11 x 11	11	61	1.70	1 / 10



# WORKSHOP TOOLS



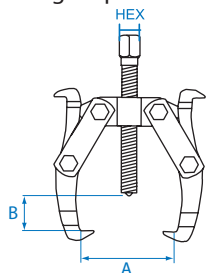


# Gear Puller & Set

- Material - chrome vanadium alloy steel
- Finishing - chrome plated & phosphate sunk

## 7962

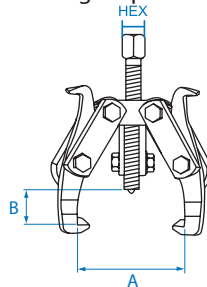
- Two-Jaw gear puller



KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	Kg	Box
7962-03	2	14	2	40~75	60	0.44	1 / 40
7962-04	4	17	2	50~100	95	0.78	1 / 20
7962-06	6	19	2	70~150	150	1.65	1 / 10
7962-08	10	23	2	95~200	235	3.50	1 / 5
7962-12	15	32	2	140~300	280	7.00	1 / 2

## 7963

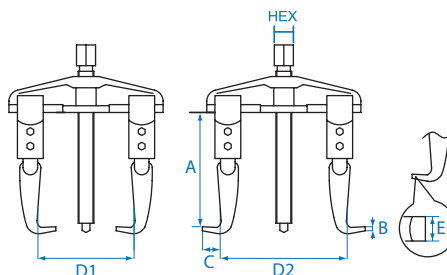
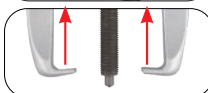
- Three-Jaw gear puller



KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	Kg	Box
7963-03	3	14	3	40~75	60	0.55	1 / 40
7963-04	6	17	3	50~100	95	1.06	1 / 20
7963-06	9	19	3	70~150	150	2.25	1 / 10
7963-08	15	23	3	95~200	235	4.50	1 / 5
7963-12	22	32	3	140~300	280	11.00	1 / 2

## 7962B

- Two-Jaw gear puller
- Adjustable sliding arm for efficiency and safety
- Reversible jaws for internal & external options gear, axle, bearing, etc...



KT NO.	Capacity (tons)	Hex (mm)	Jaw (leg)	Reach A(mm)	B (mm)	C (mm)	Spread D1 (mm)	Spread D2(mm)	E (mm)	Kg	Box
7962B-35	3.0	17	2	100	3.8	14.5	90	60~125	21	1.05	1/12
7962B-05	5.0	17	2	100	3.8	14.5	130	60~160	21	1.15	1/12
7962B-06	5.0	22	2	150	4.6	23.0	150	85~200	30	2.98	1/6
7962B-08	7.5	22	2	150	4.6	23.0	190	105~230	30	3.41	1/6
7962B-10	7.5	27	2	210	7.0	30.0	240	130~300	35	7.11	1/3

## 7962B1PR

- Two-Jaw gear puller
- Adjustable sliding arm for efficiency and safety
- Reversible jaws for internal & external options gear, axle, bearing, etc...

Contents

18.20 1



7962B 3.5", 5", 6", 8", 10"

87155

5 PC.





# Two Sets Pressure Screw Bearing Separator Puller Set

## 9BA21

- 2 Sets bearing separator & bolts
- Contents:

**(1) Bearing Separator**

**9BA21P02**

Capacity 30mm ~ 50mm  
Bolt 3/8" x 24UNF x L125mm

**(2) Bearing Separator**

**9BA21P01**

Capacity 50mm ~ 75mm  
Bolt 1/2" x 20UNF x L 135mm

**(3) 4 PC. Main rod**

**9BA21P04**

Hex bar 14mm 3/8" x L 102mm x 2 pcs

**9BA21P06**

Hex bar 17mm 1/2" x L 127mm x 2 pcs

**(4) 4 PC. Extension rod**

**9BA21P05**

Hex bar 14mm 3/8" x L 102mm x 2 pcs

**9BA21P07**

Hex bar 17mm 1/2" x L 127mm x 2 pcs

**(5) 1 PC. Beam**

**9BA21P03**

**Central Bolt**

**9BA21P011**

**(6) 9BA21P011**

Hex 18mm x 9/16" x L175mm

5.25 1 / 2



12 PC.

# Pressure Screw Bearing Separator Puller Set

## 9BA22

- Includes bearing separator & bolts
- Contents:

**(1) Bearing Separator**

**9BA22P01**

Capacity 75mm ~ 105mm  
Bolt 5/8" x 18UNF x L 165mm

**(2) 2 PC. Main rod**

**9BA22P02**

Hex bar 19mm x M12 & 1/2" x L 255mm

**(3) 2 PC. Extension rod**

**9BA22P04**

Hex bar 19mm x M12 x L 255mm

**(4) 1 PC. Beam**

**(5) 1 PC. Central bolt**

**9BA22P011**

Hex 21mm x M18 x L292 mm

**(6) 1 PC. Nut**

8.95 1 / 2



8 PC.

# Hydraulic Puller Set

## 9BA01

- Includes forged steel bearing separator and gear puller
- Operate up to 10 tons hydraulic pulling power
- Special separator design of the strong back puller allows the puller to be used even in the tightest spaces
- Suitable for industry, automotive and a gricultural machine

1 Set Separator Capacity 75mm ~ 105mm

1 PC. Beam

1 PC. 10T Hydraulic Ram

1 PC. Tripe Head

1 PC. Twin Head

1 PC. Ram Part

1 PC. Centre Adapter

1 PC. 1"x 2" Extension Rod

1 PC. 1"x 4" Extension Rod

2 PC. Main Rod Hex bar 19mm x M12 & 1/2" x L255mm

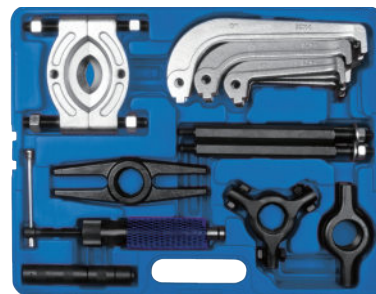
2 PC. Extension Rod Hex bar 19mm x M12 x L255mm

3 PC. 4" Leg

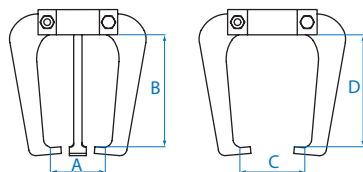
3 PC. 6" Leg

3 PC. 8" Leg

17.00 1 / 1



22 PC.



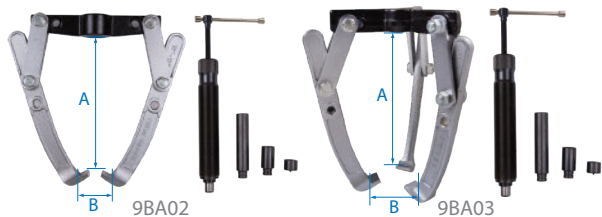
Size	Spread A (mm)	Reach B (mm)	Spread C (mm)	Reach D (mm)
4"	240	120	250	120
6"	190	170	310	170
8"	180	220	200	220



# Hydraulic Mechanical Pullers

## 9BA

- Quick and safe removal particularly large and tight gears, bearings, etc...
- Two and three jaws type, use for different space



KT NO.	Capacity (Tons)	Jaws (leg)	Spread A(mm)	Reach B(mm)	kg	1/1
9BA02	15T	2	320	500	11.30	1 / 1
9BA03	15T	3	320	500	16.50	1 / 1

# Universal Bearing Puller Set



## 9BA31

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 105mm
- Ball ended threaded adapter
- 2 PC. 5.5mm / 2 PC. 6.0mm / 2 PC. 8.0mm

kg 1.33 1 / 12



## 9BA32

1/2"

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 100mm
- Ball ended threaded adapter
- 2 PC. 11.0mm / 2 PC. 12.5mm / 2 PC. 15.0mm

kg 2.00 1 / 12



## 9BA33

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

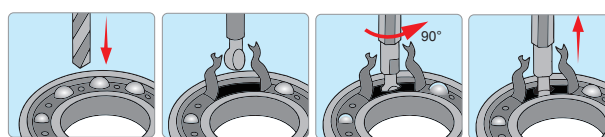
CONTENTS :

- 1 PC. Puller yoke and center screw
- 1 PC. Top Nut
- 2 PC. Extension rod x L 170mm
- Ball ended threaded adapter :
- 2 PC. 15.0mm / 2 PC. 17.4mm
- 2 PC. 20.0mm / 2 PC. 25.2mm
- 2 PC. 30.0mm / 2 PC. 36.4mm

kg 8.00 1 / 3



16 PC.



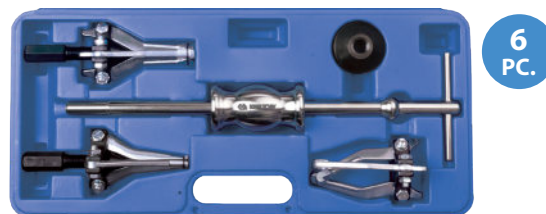
# Slide Hammer Gear Puller Set

## 796401MR

### Slide Hammer Puller Set

- For jobs involving pull and grip gears, bearings, outer races, grease retainers, oil seals, etc.
- 2.6 lbs(1.2 kgs) slide hammer
- 400 mm length T-handle puller
- 3-in-1 hammer puller, to handle inside pull such as bearing cups and outer races, as well as regular outside pull jobs

kg 4.50 1 / 4

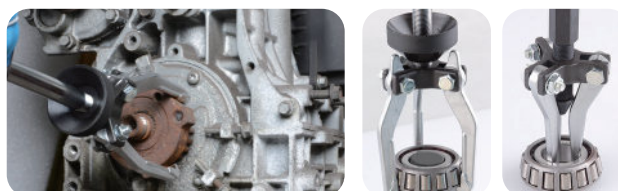


6 PC.

CONTENTS:

- 1 PC. 400 mm T handle shaft
- 1 PC. 2.6 lbs / 1.2 kgs hammer
- 1 PC. Adjustable nut
- 1SET Internal gear puller for Ø15-30mm(A)
- 1SET Internal gear puller for Ø30-80mm(B)
- 1SET External gear puller for Ø15-80mm(C)

Items	D (mm)	Capacity
Internal gear puller	6	Ø 15-30mm
Internal gear puller	10.5	Ø 30-80mm
External gear puller	10.5	Ø 15-80mm



## Riveter & Set

21-20-101

- Stainless steel riveter nozzles
- Drop-forged aluminum body



KT NO.	L		Capacity		kg	Crate
	inch	mm	inch	mm		
21-20-101	10-1/4	260	3 / 32	Ø 2.4	588	12 / 24
			1 / 8	Ø 3.2		
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		

21-20-07MR

Blow case size (mm) :  
276 x 160 x 46(0.122 cuft)



121 PC.

Contents	kg	Crate	Each Qty
4 x 8 mm	1.06	1 / 16	20
4 x 10 mm			
4 x 8 mm			
4 x 10 mm			
4.8 x 8 mm	1	1	1
4.8 x 10 mm			
21-20-101			

21-20-102

- 4 changeable sizes
- Stainless steel riveter
- The driver can be used in 90° and 180°



KT NO.	L		Capacity		kg	Crate
	inch	mm	inch	mm		
21-20-102	11	278	3 / 32	Ø 2.4	778	6 / 24
			1 / 8	Ø 3.2		
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		

## Riveter

79711

- Stainless steel riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivets



KT NO.	L		Capacity		kg	Crate
	inch	mm	inch	mm		
79711	18	460	1 / 8	Ø 3.2	1480	1 / 12
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		
			1 / 4	Ø 6.4		

## Expander Riveter

79721

- Expander framework design to press riveter
- 4 PC. Interchangeable nozzles
- Heavy duty riveter for stainless or aluminum rivets



KT NO.	L		Capacity		kg	Crate
	mm(min)	mm(max)	inch	mm		
79721	315	870	1 / 8	Ø 3.2	2.00	1 / 10
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		
			1 / 4	Ø 6.4		

## Blind Nut Riveter

21-30-09MR

- Designed for fastening object to thin metal
- 4 PC. interchangeable mandrels (M4, M5, M6, M8)
- 80 PC. iron nut rivet



85 PC.

KT NO.	L		Capacity	kg	Crate
	inch	mm			
21-30-09MR	10-1/2	265	M4 x 0.7	1.32	1 / 12
			M5 x 0.8		
			M6 x 1.0		
			M8 x 1.25		



# Nut Riveter

79731

- Stainless steel nut riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivet nuts

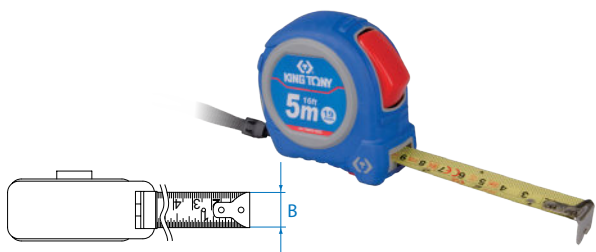
KT NO.	inch	L mm	Capacity	kg	Crate / Box
			M5		
79731	18	472	M5	1.86	1 / 12
			M6		
			M8		
			M10		



# Measuring Tape

- Auto-Lock measuring tape
- Two retrieval buttons
- Nylon coating 3-rivet blade
- Ergonomic & shockproof ABS+TPE case
- Specially red marked each 10cm scale
- EU Class II accuracy standard approval

79093

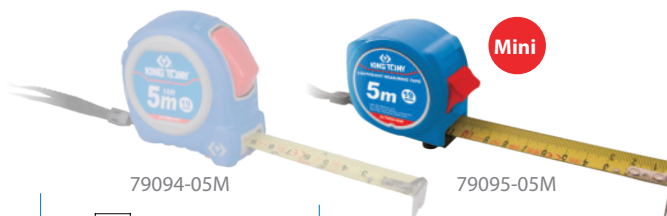


KT NO.	L M / FT	B mm	g	Crate / Box
79093-02M	2M	16	110	16 / 64
79093-03M	3M	16	137	16 / 64
79093-05M	5M	19	210	14 / 56
79093-05M1	5M	25	260	12 / 48
79093-08M	8M	25	420	12 / 48
79093-03C	3M/10FT	16	137	16 / 64
79093-05C	5M/16FT	19	210	14 / 56
79093-08C	8M/26FT	25	420	12 / 48

79095-05M

79094-05M  
16%

- Magnetic hook



KT NO.	L M / FT	B mm	g	Crate / Box
79095-05M	5M	19	180	12 / 120

79095-05M-S

12 PC.



Contents

	kg	Crate / Box
79095-05M x 12 PC.	1.90	1 / 10

79094

- Magnetic hook



KT NO.	L M / FT	B mm	g	Crate / Box
79094-02M	2M	16	110	16 / 64
79094-03M	3M	16	137	16 / 64
79094-05M	5M	19	210	14 / 56
79094-08M	8M	25	420	12 / 48
79094-03C	3M/10FT	16	137	16 / 64
79094-05C	5M/16FT	19	210	15 / 60
79094-05C1	5M/16FT	25	260	12 / 48
79094-08C	8M/26FT	25	420	12 / 48

# Paper Display Stand

87118

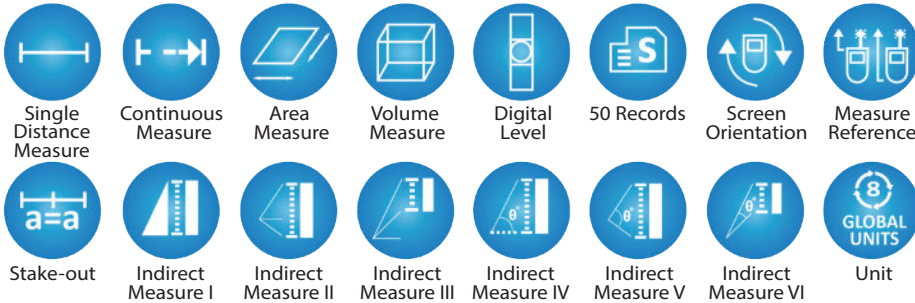
- Capacity : 12 PC.
- For all measuring tape (79093 / 79094 <02M,03M,05M>series)
- Paper display stand size(mm) : 309 x 237 x 189 (0.489 CUFT)



# Full Color Laser Distance 60M

## 7DM1160

- Colorful LCD display for easily reading
- Functions : Single measure, continuous measure, area, volume, height, stake-out
- Six flexible ways for height measurement
- Universal 8 length units with auto-converting
- 360° inclination sensor for determining the horizontal and vertical distance
- 2 selectable measurement reference points : Front and rear
- Automatic orientation display
- CE Approval IEC 60825-1: 2014, EN 61326-1: 2013



Technical data	
Display	Color LCD
Measuring Range	0.05 m ~ 60 m
Resolution	0.001 m
Accuracy	±1.5 mm
Laser Type	650 nm, Class II, < 1 mw
Unit(Selectable)	m, ft, in, 0'0" 1/32, 1/32in, 1/16in, 1/8in, 10/33
Battery Life	Up to 6,000 measures
Operation Temperature	-5° C ~ 40° C
Storage Temperature	-20° C ~ 60° C
Memory	50 set
IP code	54
Automatic Power-Off	Laser-120 seconds Device-180 seconds
Battery	AAA x 2 PC. Included



• Color LCD

Overview for device :

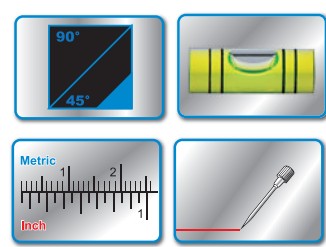
- A - LCD
- B - Single Measure
- C - Addition
- D - Subtraction
- E - Clear / Power
- F - Functions Included Single Measure, Continuous Measure, Area, Volume, Six Indirectly Height Measurements, Stake-out, Level, Unit and Setting
- G - Reference
- H - Receiving Lens
- I - Laser Emitted Window

KT NO.	Size (mm) L x W x H		
7DM1160	105 x 48 x 21	200	1 / 40

# Measuring

## 79062

- Adjustable square measuring with angle spirit level 305mm
- Sliding combination of square, spirit level, height gauge and steel rule
- 90° and 45° level allow try-square and metre-square work
- Metal scriber pin in the end
- Metric and imperial marking at both sides
- Precision cast zinc alloy and stainless blade
- For woodwork



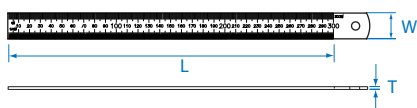
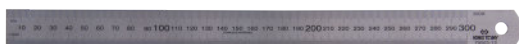
KT NO.	mm	Inch		
79062-12	305	12	312	12 / 72



## Stainless Ruler

**79063**

- Stainless steel deeply etched for easy reading
- Dual scale : metric & imperial marking (mm/inch)

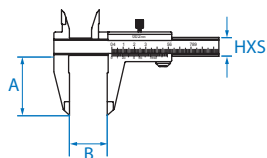


KT NO.	L		W mm	T mm	Scales	Pkg
	mm	Inch				
79063-06	150	6	13	0.6	12	100 / 1500
79063-12	300	12	30	0.8	65	20 / 400
79063-20	500	20	30	0.8	105	10 / 160
79063-40	1000	40	30	0.8	360	10 / 80

## Calipers

**77131**

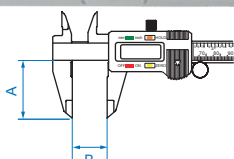
- Vernier calipers parallax free
- Parallax free bevel scales for easy and accurate measurement
- 4 way measurement capability for outside, inside, depth and step measurement
- The caliperis made of hardened stainless steel



KT NO.	A mm	B max mm	Vernier mm	H x S mm	Scales	Pkg
77131-08	50	200	0.02	20 x 4	450	1 / 50

**77141**

- Digital calipers
- Digital display slide calipers with thumb roller
- Large clear LCD on/off, metric/imperial, zero switches
- Hold function allows quick and efficient inspection record
- Made of hardened stainless steel



KT NO.	A mm	B max		Resolution		Scales	Pkg
		mm	Inch	mm	Inch		
77141-06	40	150	6	0.01	0.001	320	1 / 20
77141-08	50	200	8	0.01	0.001	485	1 / 50

## Metric Feeler Gauge

- Material: blade made of spring steel

**77340-20**

- 20 blades metric feeler gauge

CONTENTS :

- 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	Scales	Pkg
77340-20	20	10 x 100	105	50 / 200

**77335-25**

- 25 blades metric feeler gauge

CONTENTS :

- 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	Scales	Pkg
77335-25	25	13 x 85	105	50 / 200

**77328-26**

- 26 blades inch feeler gauge

CONTENTS :

- 0.0015", 0.002", 0.0025", 0.003",
- 0.004", 0.005", 0.006", 0.007",
- 0.008", 0.009", 0.010", 0.011",
- 0.012", 0.013", 0.014", 0.015", 0.016", 0.017", 0.018", 0.019", 0.020", 0.021", 0.022", 0.023", 0.024", 0.025"
- 0.038, 0.051, 0.063, 0.076, 0.102, 0.127, 0.152, 0.178, 0.203, 0.229, 0.254, 0.279, 0.305, 0.330, 0.356, 0.381, 0.406, 0.432, 0.457, 0.483, 0.508, 0.533, 0.559, 0.584, 0.610, 0.635 mm

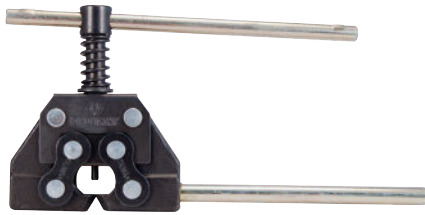


KT NO.	Number of blades	Width x Length of blades (mm)	Scales	Pkg
77328-26	26	12.7 x 76	91	14 / 168



## Roller Chain Detacher

3214



KT NO.	For chain size ANSI NO.		
3214-35	35~50	310	1 / 60
3214-60	60~100	691	1 / 20

## Revolving Punch Pliers

74A00

- To punch holes into leather, textiles and soft material
- Revolving steel head has unique waste collection facility



KT NO.	Punch size Ø mm	Overall length mm		
74A00	2, 2.5, 3, 3.5, 4, 4.5	230	366	10 / 60

## Retractable Tool Lanyard

79A21-30

79A22-30

- Retractable tool lanyard
- 3 kgs maximum tool weight
- Nylon tether with steel spring inside to absorb the shock of a dropped tool
- Increases safety and productivity
- Ergonomically designed length



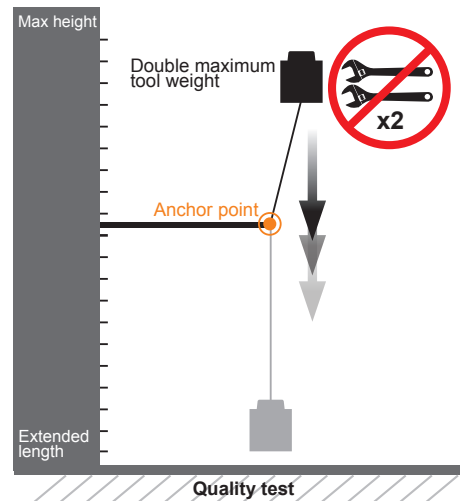
79A21-30



79A22-30



KT NO.	Capacity mm	Hook		
79A21-30	800~1300	2 lock snaps	106	12 / 144
79A22-30	800~1300	fixed loop	89	12 / 144



- The retractable tool lanyards are developed according to KING TONY standard. The steel lanyards are tested by double maximum weight and dropped from height. Product quality is approved.



## Round Magnetic Tool Holder



### 9TE11

- Stainless steel tray resists corrosion
- Can be used horizontally, vertically, and upside down
- Convenient for collecting small parts and tools



KT NO.	Size mm		
9TE11	Ø 150	433	1 / 30

## PU Working Gloves



### 9TH31-XL

### 9TH31-2L

- Strap design for easy adjustments
- Comfortable and breathable fabric material



KT NO.	Size	Width mm	Overall Length mm		
9TH31-XL	XL	107	235	70	100
9TH31-2L	2L	112	240	70	100

## Anti-vibration Protective Gloves

### 9TH21XL

- Protection from repetitive impact and vibration of pneumatic tools
- Magnet in back of glove for storing metal parts and fasteners

110 100

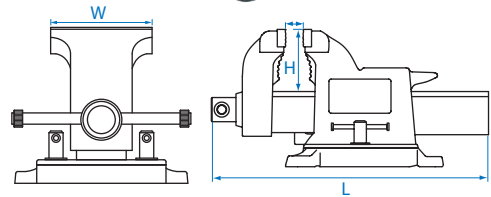


KT NO.	Size	Width mm	Overall Length mm		
9TH21XL	XL	112	235	110	100

## 360° Cast Steel Bench Vise & Display Rack

### 9TZ11

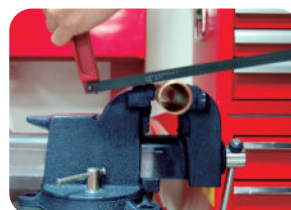
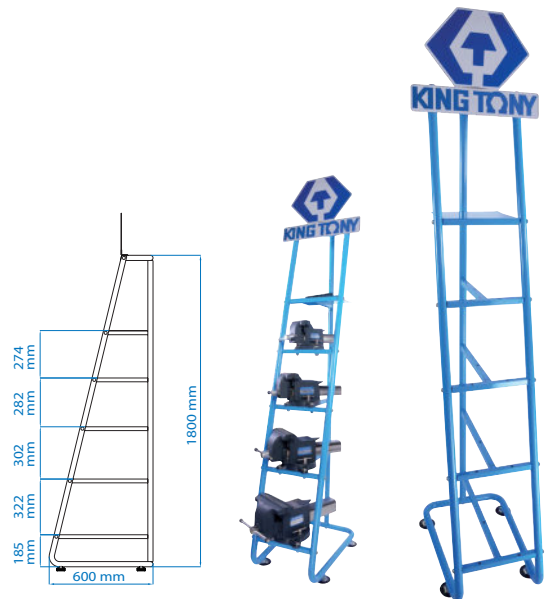
- Cast steel body and slide ideal for heavy duty applications
- Ductile cast iron screw pitched acme thread ensures long life and positives action
- Serrated jaws design provides good grip
- 360° swivel base allows operator to approach any direction



KT NO.		W mm	H mm	L mm			
9TZ11-04	146	4"	104	57	310	7.50	1
9TZ11-05	166	5"	130	67	365	11.00	1
9TZ11-06	200	6"	155	76	422	14.50	1
9TZ11-08	225	8"	200	89	492	18.00	1
9TZ11-10	250	10"	250	102	572	25.60	1
9TZ11-12	300	12"	305	127	655	33.00	1

### 87160

- Overall Size - W 400 x D 600 x H 2070 mm



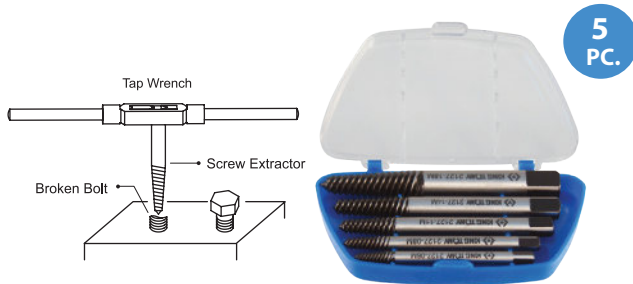


# Screw Extractor Set

## 11205SQ

- A quick and easy way to remove broken screw, pipe, bolt and stud

100  25 / 100



5 PC.

KT NO.	Capacity		L mm
	mm	inch	
2127-06M	M3~M6	1/8~1/4	51.5
2127-08M	M6~M8	1/4~5/16	58.0
2127-11M	M8~M11	5/16~7/16	66.0
2127-14M	M11~M14	7/16~9/16	73.5
2127-18M	M14~M18	9/16~3/4	81.0

## 11208SQ

- Quick and easy to remove broken screw, pipe, bolt and stud

829  6 / 24



8 PC.

KT NO.	Capacity		L mm
	mm	inch	
2127A-06M	M3~M6	1/8~1/4	51.5
2127A-08M	M6~M8	1/4~5/16	58.0
2127A-11M	M8~M11	5/16~7/16	66.0
2127A-14M	M11~M14	7/16~9/16	73.5
2127A-18M	M14~M18	9/16~3/4	81.0
2127A-24M	M18~M24	3/4~1	91.0
2127A-33M	M24~M33	1~1-3/8	106.0
2127A-50M	M33~M50	1-3/8~2	112.0

# Screw Extractor and Drill-Bit Set




## 11310SQ

- Material : Drill-Bit(HSS), screw extractor(GCr15)

10 PC.

Contents

0.4  1 / 40

	ø2.5, ø3, ø4.5, ø6, ø8	
	#1	M3 - M6 1/8" - 1/4"
	#2	M6 - M8 1/4" - 5/16"
	#3	M8 - M11 5/16" - 7/16"
	#4	M11 - M14 7/16" - 9/16"
	#5	M14 - M18 9/16" - 3/4"

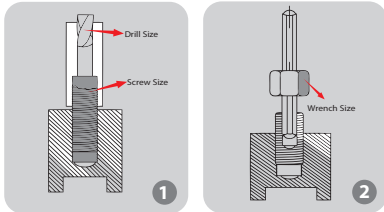


# Screw Extractor & Drill Set

## 11225SQ

- Easy to remove 5~14 mm broken screws
- 15 PC. HSS drill bit & center guide
- 10 PC. extractor pin & nut

0.79 1 / 20



25  
PC.

Blow case size (mm) :  
260 x 175 x 60 (0.096CUFT)



- Use the guide to drill a pilot hole in the center of broken screw



- Put on extractor nut turning out broken screw with wrench

# Nut Splitter Set

## 9TD062

- For removing stubborn nuts or over tightened bolts without damaging the bolt thread
- Suitable for nuts to a tensile class 6
- Do not overtighten to prevent damage to the threads under the nut

0.61 12 / 36

KT NO.	Capacity		Hex (mm)
	inch	mm	
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19



2  
PC.

## 9TD064

Blow case size (mm) :  
260 x 175 x 60 (0.096CUFT)

1.89 1 / 12

KT NO.	Capacity		Hex (mm)
	inch	mm	
9TD601	5/16"~1/2"	9~12	12
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19
9TD604	7/8"~1-1/8"	22~27	21



4  
PC.

# 1/2" DR. Damaged Nuts Remover Socket & Set

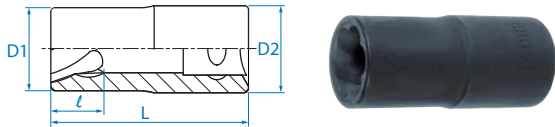


Can't be used with pneumatic wrench

## 9TD403

1/2"

- Made of top quality SNCM alloy steel, provide good wear resistance and durability
- Ideal for the removal of rounded, damaged or corroded nuts, bolts, oil drain plugs, marine nuts and bolts, exhaust manifold nuts, pipe nozzle, and studs
- No need for pounding, chisels or torches



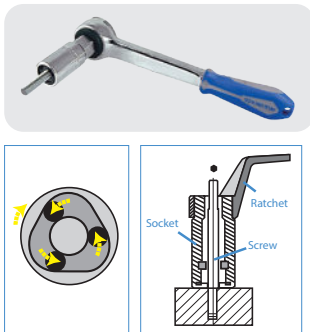
KT NO.	D1 mm	D2 mm	ℓ mm	L mm		
9TD403-10M	16.0	22	8	50	76	10 / 180
9TD403-12M	18.0	22	11	50	78	10 / 180
9TD403-13M	20.0	22	11	50	85	10 / 180
9TD403-14M	21.0	22	11	50	88	10 / 180
9TD403-17M	24.5	25	15	50	113	10 / 180
9TD403-19M	27.0	27	15	50	124	8 / 80
9TD403-21M	29.4	27	16	50	139	8 / 80
9TD403-22M	30.5	27	17	50	140	8 / 80
9TD403-23M	31.8	27	17	50	119	8 / 80
9TD403-24M	33.0	27	17	50	143	8 / 80
9TD403-27M	36.0	27	18	50	145	8 / 80

# Roller Stud Extractor Socket & Set

## 9TD401

1/2"

- For tightening or loosening studs



KT NO.	mm	D1 mm	D2 mm	L mm		
9TD401-06M	6	24.5	21	60	131	10 / 180
9TD401-08M	8	24.5	21	60	128	10 / 180
9TD401-10M	10	27.5	21	69.5	180	12 / 120
9TD401-12M	12	27.5	21	69.5	179	12 / 120

## 9TD014MR

1/2"

- 4 stud drivers for sizes M6, M8, M10 and M12

1.10 1 / 25

Blow case size (mm) :  
210 x 111 x 49 (0.04CUFT)



4 PC.

## 9TD

1/2"



KT NO.	Contents		
9TD034MR	21, 22, 23, 27	0.58	4/36
9TD035MR	9TD403 12, 13, 14, 17, 19	0.52	
9TD036MR	10, 12, 13, 14, 17, 19	0.60	

# Stud Remover Tool

## 9TD404-0619M

- Stud range: 6-19mm (1/4" - 3/4")
- Allows for easy removal of studs. Turn extractor with a ratchet, wrench or socket to engage the cam and stud, then pull out stud

0.64 1 / 24



# Aviation Tin Snips

## 74010~74060

- Special drop forged CRMO with induction hardened edges 62HRC
  - Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
  - Cut 1.2mm cold-rolled steel (18GA) low carbon steel
  - Non-slip color code grips for superior control
  - 74040 Notching bulldog style with higher cutting ability
  - 74060 Extra-long compound action style compare to tin snips
- Special laborsaving design
  - High tensile strength
  - High torsional strength spring
  - Solid and comfortable handle with non-slip design
  - Hang-up hole for convenient storage
  - Safety auto latch (D.PAT.)



74010



74020



74030



74040



74060

KT NO.	Overall length mm	Cutting length mm	Color of handle	Copper (soft)	Cutting capacities (mm)			Stainless steel304	g	/	/
					Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)					
74010	248	35	Red	1.50	1.20	0.80	0.70	375	6	48	
74020	248	35	Green	1.50	1.20	0.80	0.70	375	6	48	
74030	250	38	Yellow	1.50	1.20	0.80	0.70	380	6	48	
74040	230	25	Yellow	2.00	1.60	1.20	1.20	370	6	36	
74060	290	75	Orange	1.10	0.94	0.70	0.53	450	6	36	

# Figure Tin Snips

## 74250~74270

- Special drop forged CRMO with induction hardened edges 63HRC
  - Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
  - Cut 1.5mm cold-rolled steel (16GA) low carbon steel
  - Non-slip color code grips for superior control
- Special laborsaving design
  - High tensile strength provided
  - High torsional strength spring designed
  - Solid and comfortable handle with non-slip design
  - Hang-up hole for convenient storage
  - Safety auto latch (D.PAT.)



74250



74260



74270

KT NO.	Overall length mm	Cutting length mm	Color of handle	Copper (soft)	Cutting capacities (mm)			Stainless steel304	g	/	/
					Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)					
74250	260	35	Orange	1.80	1.50	1.00	0.90	480	6	36	
74260	260	35	Blue	1.80	1.50	1.00	0.90	480	6	36	
74270	260	35	Yellow	1.80	1.50	1.00	0.90	480	6	36	



# Straight Pattern Snips

## 74410~74416

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts straight flat face guides tool along straight line
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



74410 ~ 74416

KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)			Stainless steel304	Scales	Box / Carton
				Cold-rolled Steel (soft)	Hard steel HRC 30 (Hard)				
74410	254	51	0.94	0.78	0.60	0.45	480	6 / 36	
74412	305	70	1.15	0.91	0.70	0.63	650	6 / 24	
74414	356	76	1.41	1.20	1.00	0.70	780	6 / 24	
74416	415	63	2.00	1.60	1.20	1.00	1700	3 / 12	

# Curved Tin Snips

## 74512

- Drop forged of finest quality steel induction hardened edges 60HRC
- Double curved, hollow ground blades reduce friction for easier cutting
- British Gilbow type
- Cushion handle for comfort and better grip

## 74514



74512 / 74514

KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)			Stainless steel304	Scales	Box / Carton
				Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)				
74512	305	60	1.15	0.91	0.70	0.63	670	6 / 24	
74514	356	65	1.40	1.20	1.00	0.70	920	6 / 24	

# Duckbill Pattern Snips

## 74613

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts moderately tight curves left, right or straight in light stock
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)			Stainless steel304	Scales	Box / Carton
				Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)				
74613	330	72	1.20	0.84	0.61	0.61	720	6 / 24	

# Saw

## 7911-12

- Sliding metal bow
- Lightweight, resistant to oxidization and oil
- Two blade positions 45° and 90° including flush cut
- Ergonomic handle with hand stop
- Handle material : Zinc frame, soft grip TPR handle



KT NO.	Adjustable blade length (mm)	Overall length mm	Scales	Box / Carton
7911-12P01	Blade		17	100 / 1200



# Saw

## 7921-12

- Sliding metal bow
- Handle material : ABS+TPR
- Lightweight & anti-slippery
- Four blade positions 45°, 90°, 135°, 180° including flush cut
- Spare blades can be stored



KT NO.	Adjustable blade length (mm)	Overall length mm		
7921-12	300	510	555	12 / 24

# File

## 7510G

- Flat file



KT NO.	Size mm		L mm			
75101-08G	8	Bastard cut	200	4.8	20.0	188 2 / 40
75101-10G	10	Bastard cut	250	5.7	23.6	292 2 / 40
75102-08G	8	Second cut	200	4.8	20.0	190 2 / 40
75102-10G	10	Second cut	250	5.7	23.6	293 2 / 40

## 7520G

- Half round file



KT NO.	Size mm		L mm			
75201-08G	8	Bastard cut	200	6.7	19.9	190 2 / 40
75201-10G	10	Bastard cut	250	7.0	23.5	292 2 / 40
75202-08G	8	Second cut	200	6.7	19.9	184 2 / 40
75202-10G	10	Second cut	250	7.0	23.5	291 2 / 40

## 7530G

- Round file



KT NO.	Size mm		L mm			
75302-08G	8	Second cut	200	7.2	127	2 / 40
75302-10G	10	Second cut	250	9.2	172	2 / 40

## 7540G

- Triangle file



KT NO.	Size mm		L mm			
75402-08G	8	Second cut	200	13.0	175	2 / 40
75402-10G	10	Second cut	250	14.9	284	2 / 40

## 7550G

- Square file



KT NO.	Size mm		L mm			
75501-08G	8	Bastard cut	200	7.5	130	2 / 40
75501-10G	10	Bastard cut	250	9.5	210	2 / 40
75502-08G	8	Second cut	200	7.5	128	2 / 40
75502-10G	10	Second cut	250	9.5	205	2 / 40

# File Set

## 1005GQ

- Bastard cut
- Designed for steel, cast iron, brass, and hard plastics
- Pouch material : Nylon

## 1015GQ



5 PC.

KT NO.	Contents	L inch		
1005GQ (for 8")	75102-08G	8"	0.9	1 / 20
	75202-08G			
	75302-08G			
1015GQ (for 10")	75402-10G	10"	1.4	1 / 8
	75202-10G			
	75302-10G			

# Needle File Set

• Pouch material : PVC

## 1036ZQ

- Perfect for filing off sharp edges, reshaping cuts or reaming drilled holes
- #60 grit diamond coating surface



6 PC.

Contents

L mm

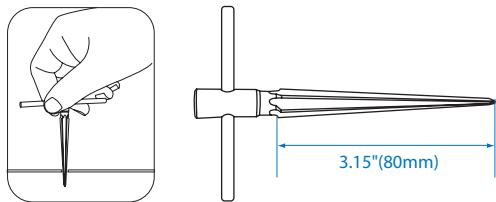
75135-06	75435-06	160	95	10 / 120
75235-06	75535-06			
75335-06	75035-06			

# Tapered Reamer

## 7E61001

- For deburring and sizing the diameter of holes 1/8" to 3/8"
- Suitable for metal, wood or plastic

70 24 / 96



# Tap Wrench

## 39110312M



KT NO. **Size** **L**

39110312M	1/8-1/2	M3-M12	196	128	1 / 100
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# Threaded Coil-Insert Repair Set

## 11311MQ

- Thread tap for most common metric size : M5, M6, M8 and M10
- Used for repairing and restoring damaged threads
- Suitable for machine, engine and other automotive repair applications



119 PC.

Metal case size (mm) : 350 x 216 x 40

Contents

2.78 1 / 5

	Screw-Coil:	
	M5x0.8x1.5D(L:7.5mm)	25 PC.
	M6x1.0x1.5D(L:9mm)	25 PC.
	M8x1.25x1.5D(L:12mm)	25 PC.
	M10x1.5x1.5D(L:15mm)	25 PC.

	Tap:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.

	Tang Puncher:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.

	Drill:	
	5.2mm	1 PC.
	6.3mm	1 PC.
	8.3mm	1 PC.
	10.4mm	1 PC.

	Main Tool:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.

3571-08	3/8" drive sliding T-handle
3764-55G	3/8" drive mini reversible ratchet
39123012M	3/8" tap holder



# Tap Holder

## 3912M

- Used with reversible ratchet and T-handle
- Chuck mechanism hold compatible tap drills
- Used for metal working screw thread




KT NO.	Drive	D mm	S(mm)		Kg	Box / Cube
			min.	max.		
39123010M	3/8	34.5	2.0	6.0	221	4 / 64
39123012M	3/8	34.5	4.0	9.0	223	4 / 64
39124012M	1/2	38.5	6.0	12.0	265	4 / 64

# Drill-Bit Set

## 11325SQ

- Material : HSS

25  
PC.

Contents		Kg	Box / Cube
Drill - Bit		1.23	1 / 20
		1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	





# Tap and Drill-Bit Set

## 11328SQ

- Material : Drill-Bit(HSS), Tap(GCr15)

28  
PC.

Contents		Kg	Box / Cube
Drill - Bit		1.05	1 / 20
Tap			
		2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2	
		M3x3, M4x3, M5x3, M6x3, M8x3, M10x3, M12x3	









# Tap & Die Set

## 12916MQ1

- Material : SK5 alloy steel
- 1 PC. Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. Die stock 25mm(1")
- Tap : M3~M12
- Die : M3~M12



16  
PC.

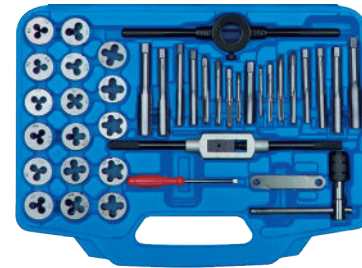
Contents		Kg 0.78	1 / 20
 12939MQ-A	M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75	 25mm (1")	12939MQ-A01
 12939MQ-A		 M3~M12 (1/8"~1/2")	12939MQ-A02

## 12939MQ1







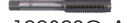


- Material : SK5 alloy steel
- 1 PC. Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. "T" Type tap wrench( M3-M6, 1/8"~1/4")
- 1 PC. Die stock 25mm(1")
- 1 PC. Screw driver
- 12939MQ1-  
1 PC. Screw pitch gauge (0.5-28)  
Tap : M3~M12 / Die : M3~M12
- 12939SQ1-  
1 PC. Screw pitch gauge(12-40)  
Tap : 1/8"~1/2" / Die : 1/8"~1/2"



## 12939SQ1



39  
PC.

KT NO.	Contents	Kg 1.4	1 / 10
12939MQ1	 12939MQ-A 12939MQ-A06 / M3x0.5, 12939MQ-A07 / M3x0.6, 12939MQ-A08 / M4x0.7, 12939MQ-A09 / M4x0.75, 12939MQ-A10 / M5x0.8, 12939MQ-A11 / M5x0.9, 12939MQ-A12 / M6x0.75, 12939MQ-A13 / M6x1.0, 12939MQ-A14 / M7x0.75, 12939MQ-A15 / M7x1.0, 12939MQ-A16 / M8x1.0, 12939MQ-A17 / M8x1.25, 12939MQ-A18 / M10x1.25, 12939MQ-A19 / M10x1.5, 12939MQ-A20 / M12x1.5, 12939MQ-A21 / M12x1.75, 12939MQ-A22 / 1/8NPT27	 25mm (1") 12939MQ-A01	
	 12939MQ-A 12939MQ-A23 / M3x0.5, 12939MQ-A24 / M3x0.6, 12939MQ-A25 / M4x0.7, 12939MQ-A26 / M4x0.75, 12939MQ-A27 / M5x0.8, 12939MQ-A28 / M5x0.9, 12939MQ-A29 / M6x0.75, 12939MQ-A30 / M6x1.0, 12939MQ-A31 / M7x0.75, 12939MQ-A32 / M7x1.0, 12939MQ-A33 / M8x1.0, 12939MQ-A34 / M8x1.25, 12939MQ-A35 / M10x1.25, 12939MQ-A36 / M10x1.5, 12939MQ-A37 / M12x1.5, 12939MQ-A38 / M12x1.75, 12939MQ-A39 / 1/8NPT27	 M3~M12 (1/8"~1/2") 12939MQ-A02	
	 12939MQ-A03 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 27, 28	 M3~M6 (1/8"~1/4") 12939MQ-A04	
12939SQ1	 12939SQ-A 4NS36, 6NC32, 8NC32, 10NC24, 10NF32, 12NC24, 1/4NC20, 1/4NF28, 5/16NC18, 5/16NF24, 3/8NC16, 3/8NF24, 7/16NC14, 7/16NF20, 1/2NC13, 1/2NF20, 1/8NPT27	 12939MQ-A05	
	 12939SQ-A03 12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40		



# PROFESSIONAL MULTI-USE WIPES



One sheet  
is for all!



Lemon oil formula- Fresh & moisturizing

Effectively cleans and protects hands from all types of dirt without using toxic solvents

Get rid of grease, oil, tar, paint, dirt, silicon, adhesives and more  
Effectively reduce 99.99% of bacteria



- ✓ Non REACH SVHC candidate list, Non CA Prop 65 list of chemicals
- ✓ Verified by SGS - the world's leading inspection, verification, testing and certification company





Water saving



Eco-friendly



Time saving



Super absorbent



Soft



30 sheets

[ZD101-S30]



100 sheets



[ZD101-100C]



336 sheets

[ZD101-336C]

Take care of the environment  
Does not contain toxic solvents

KT NO.	Size (mm)	Sheets		
ZD101-S30	241 x 203	30	0.44	1 / 24
ZD101-100C	203 x 203	100	1.08	1 / 8
ZD101-336C	241 x 203	336	4.08	1 / 4



# LIGHTING ▶

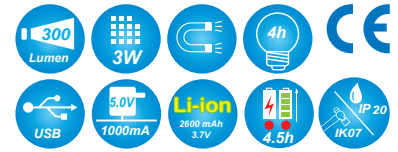




# 3W COB + 5 LED Lamp

## 9TA27

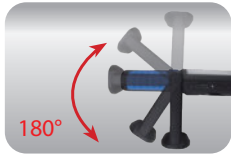
- 3W COB + 5 LEDs (top)
- Brightness : 300 Lumen (lm), white light color, kelvin : 7200K
- Materials : ABS + PS
- IP20 waterproof and dustproof, IK07 vandalproof
- 180° magnetic swivel base + 360° functional hook
- Rechargeable battery : 3.7V - 2600mAh Li-ion
- Accessory : Micro USB charging cable
- 4 hours continuous light, charging time : 4.5 hours



Battery status indicator light



USB charger port



180° swivel base



Top light with 5 LED



KT NO.	Applicable area	L mm	⚖️	📦
9TA27A	Europe	220 236	1 / 24	
9TA27B	America & Asia	220 236	1 / 24	
9TA27D	Australia & New Zealand	220 236	1 / 24	

### Contents

3W COB + 5 LED rechargeable work lamp		x 1 PC.
USB charger		x 1 PC.
Micro USB cable		x 1 PC.

# 7W SMD + LED Lamp

## 9TA241

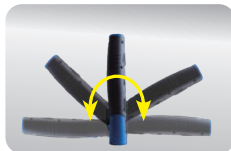
- 7W SMD + 3W LED(top)
- Brightness : 400 Lumen(lm), kelvin : 6500K, white light color
- Switch Mode : Top light - Main light - OFF
- Material : ABS + PC
- IP54 waterproof and dustproof, IK07 vandalproof
- 180° magnetic swivel base + two 360° functional hooks, two magnets in the back
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : 5V 1.0A USB charger + Micro USB charging cable
- 3 hours continuous light
- Charging time : 3.5 hours



RoHS



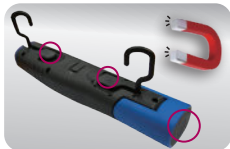
• 3W LED - Top



• 180° swivel lighting



• USB charger port



• Hooks & magnets

KT NO.	Applicable area	L mm	⚖️	📦
9TA241A	Europe	255 310	1 / 12	
9TA241B	America & Asia	255 310	1 / 12	
9TA241D	Australia & New Zealand	255 310	1 / 12	

### Contents

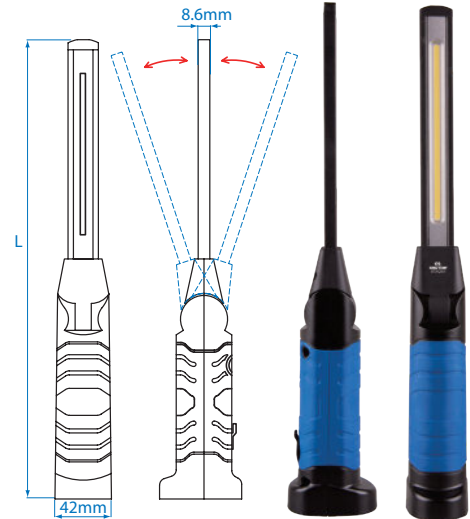
7W SMD LED lamp		x 1 PC.
USB charger		x 1 PC.
Micro USB cable		x 1 PC.



# 6W COB +1W SMD Slim Inspection Lamp

## 9TA261

- Brightness - Worklight : 600/250 Lumen (lm), Top light : 120 lumen (lm), white light color, kelvin : 6500K
- IP54 waterproof and dustproof, IK07 vandalproof
- Materials : ABS plastic + rubber housing + PC lens + aluminium slim housing
- 120° Angle rotation & magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion
- Switch modes : Top light – Worklight low-Worklight high-Off
- Accessory : Micro USB cable and charger
- 3 hours continuous for high worklight and 6 hours for low worklight
- Charging time : 4 hours



KT NO.	Applicable area	L mm	g	Box
9TA261A	Europe	340	300	1 / 12
9TA261B	America & Asia	340	300	1 / 12
9TA261D	Australia & New Zealand	340	300	1 / 12

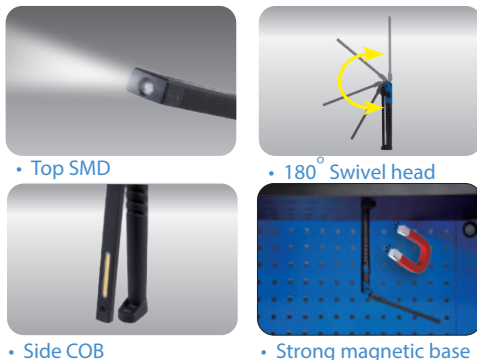
### Contents

COB LED lamp		x 1 PC.
USB charger		x 1 PC.
Micro USB cable		x 1 PC.

# Foldable Pocket Slim Lamp

## 9TA263

- 2W COB + 1.5W COB + 1W SMD (Top)
- White light color, kelvin : 6000K~7000K
- IP54 waterproof and dustproof, IK07 vandalproof
- Switch Mode :
  - Top light - 80 Lumen(lm) / 3 hours
  - Main light low/ high - 100 / 200 Lumen(lm) - 4 / 2 hours
  - Side light -180 Lumen(lm) / 2.2 hours
- Material : PA + Aluminium
- Strong magnetic base + 180° swivel head
- Rechargeable battery : 3.7V - 700mAh Li-ion battery
- Accessory :1m Micro USB charging cable
- One led indicator - Red : Charging, Green : Full Charged
- Charging time : 2.5 hours



KT NO.	L mm	g	Box
9TA263	164	80.8	1 / 48

### Contents

Foldable pocket slim lamp		x 1 PC.
Micro USB cable		x 1 PC.

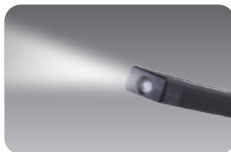
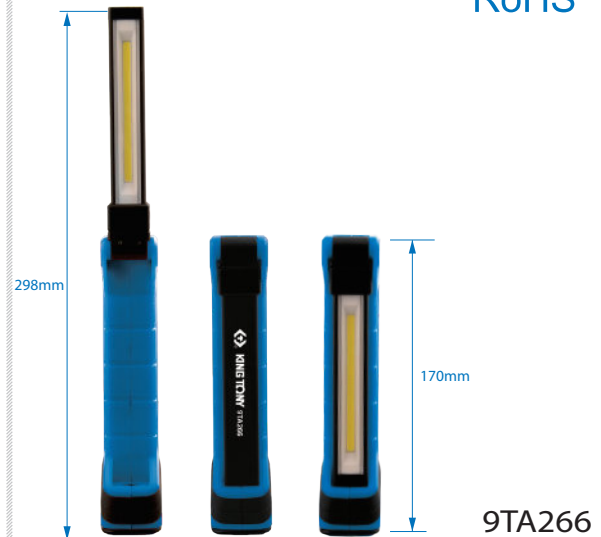
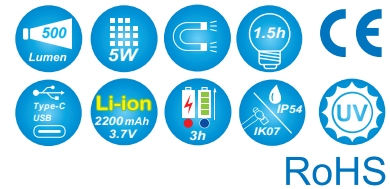
# 2W + 5W Foldable Lamp

P9TA0212

- 2W COB + 1W LED
- White light color, kelvin : 6500K
- Switch Model : Top light – 30 Lumen (lm) / 4 hours Main light low / high – 100 / 200 Lumen (lm) – 3 / 1.5 hours
- Material : ABS & PC
- 180°swiveling rotating + 360° rotating head , magnetic clip and base
- Rechargeable battery : 3.7V 800mAh Li-ion
- Accessory : Type – C USB charging cable
- LED battery status & charging indicator
- Charging time : 1.5 hours



- 5W COB + 1W LED + 1W UV
- White light color, kelvin : 6500K
- Switch Model : Top light – 30 Lumen (lm) / 11 hours Main light low / high – 250 / 500 Lumen (lm) – 3 / 1.5 hours UV light
- Material : TPR & PC
- 180°swiveling rotating + 360° rotating head + hidden hook + strong magnetic base
- Rechargeable battery : 3.7V 2200mAh Li-ion
- Accessory : Type – C USB charging cable
- LED battery status & charging indicator
- Mode indicator icon
- USB output 5V1A as a mobile power bank
- Charging time : 3 hours



• Top SMD



• Magnetic clip and base



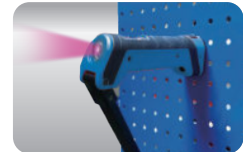
• 360° rotating head



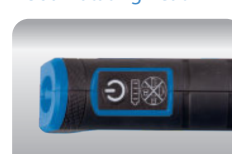
• Type - C USB port



• 360° rotating head



• UV light



• Mode indicator icon



• I / O USB port (Type-C)

KT NO.	Applicable area			
P9TA0212A	Europe	410	1 / 24	
P9TA0212B	America & Asia	410	1 / 24	
P9TA0212D	Australia & New Zealand	410	1 / 24	

## Contents

2W Foldable lamp (9TA265)		x 1 PC.
5W Foldable lamp (9TA266)		x 1 PC.
Type - C USB cable		x 1 PC.
USB charger		x 1 PC.





# Inductive Headlight + Rechargeable LED Pen Light

P9TA5002

- 1.5W COB
- White light color, kelvin : 6500K
- Switch Model :
- Low light – 100 Lumen (lm) / 4 hours
- Main light – 200 Lumen (lm) / 2 hours
- Sense Mode : 200 Lumen (lm) / 2 hours
- Press power button 3 seconds to switch on the sense mode;
- Press power button 3 times to turn off the sense mode
- Material : High impact ABS + TPE housing + PC lens
- 10CM smart motion sensor, 40° adjustable angle base
- Rechargeable battery : 3.7V 600mAh Li-ion
- Accessory : 1m micro USB charging cable
- LED battery charging indicator
- Charging time : 2.5 hours



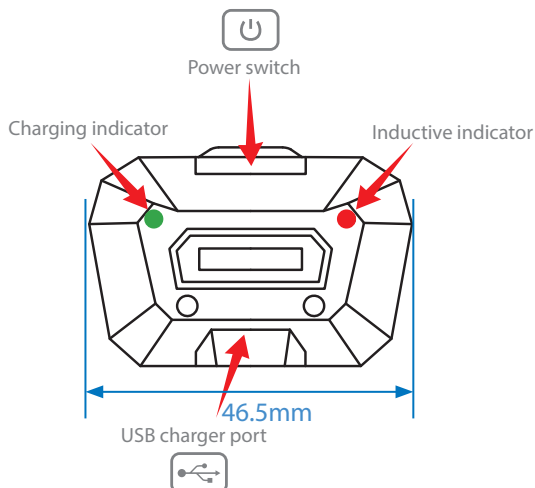
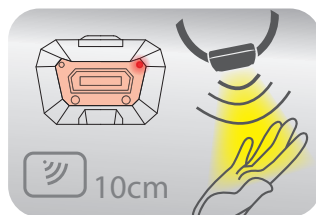
9TA521

+

- 3.5W-7 SMD + 1W SMD (Top)
- White light color, kelvin: 6500K
- Switch Model:
- Top light: 80 Lumen (lm) / 4 hours
- Main light: 120 Lumen (lm) / 2.5 hours
- Material: ABS housing + Rubberized painting + PC lens
- Strong magnet on the clip
- Rechargeable battery: 3.7V 750mAh Li-ion
- Led charging indicator: Red -Charging, Green -Fulled
- Charging time: 2 hours



9TA281



KT NO.	9	Box/Case
P9TA5002	338	1 / 16

## Contents

Mini Inductive headlight ( 9TA521)		x 1 PC.
Headband		x 1 PC.
Led Pen light (9TA281)		x 1 PC.
Micro USB cable		x 1 PC.



# Flexible LED Slim Lamp

## 9TA251

- 5W COB + 3W SMD (Top)
- White light color, kelvin : 6000K~6500K
- IP54 waterproof and dustproof, IK07 vandalproof
- Switch Mode :  
Top light - 120 Lumen(lm) / 9 hours  
Main light - Stepless Dimmer Switch :  
Min ~ Max - 50 ~ 500 Lumen(lm) / 16 ~ 2 hours
- Material : PA + TPE housing
- Flexible Gooseneck + 90° hiding hook + Strong magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : 1m Micro USB charging cable and 5V 1A USB charger
- Three leds battery indicator
- Charging time : 4 hours



- Top SMD
- USB charger port + battery indicator
- Strong magnetic + 90° Hook
- Stepless Dimmer Switch

KT NO.	Applicable area	L mm	g	kg	Box
9TA251A	Europe	475	322	1 / 12	
9TA251B	America & Asia	475	322	1 / 12	
9TA251D	Australia & New Zealand	475	322	1 / 12	

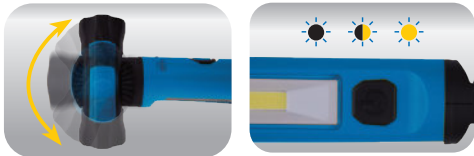
### Contents

Flexible slim lamp		x 1 PC.
USB charger		x 1 PC.
Micro USB cable		x 1 PC.

# 10W COB LED Adjustable Lamp

## 9TA33

- 10W COB LED
- White color, kelvin : 6500K
- Two steps adjustable light
- Brightness : 1000 / 400 Lumen (lm)
- Operating time : 2.2 / 5.5 hours
- Material : ABS + PC
- IP20 waterproof and dustproof, IK07 vandalproof
- 170° magnetic swivel base + 360° body swivel knot + two 360° functional hooks
- Rechargeable battery : 7.4V - 2600mAh Li-ion
- Accessory : AC 100-240V, 50/60 Hz charger
- Charging time : 4.5 hours



- 170° swivel base
- Two steps adjustable light



- Magnetic swivel base
- body swivel knot



KT NO.	Applicable area	L mm	g	kg	Box
9TA33A	Europe	500	487	1 / 12	
9TA33B	America & Asia	500	487	1 / 12	
9TA33D	Australia & New Zealand	500	487	1 / 12	

### Contents

10W COB LED adjustable lamp		x 1 PC.
AC charger		x 1 PC.

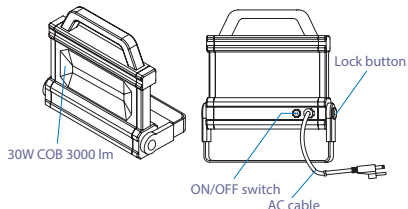
# 30W Wired COB LED Floodlight

## 9TA42

- 30W COB LED floodlight with portable handle
- Brightness : 3000 Lumen (lm), white light color, kelvin : 6000~7000K
- Pass IP54 test
- Slim profile with lockable adjustment and 180° swivel base
- Option to wall mount or tripod stand at work sites
- Accessory : AC adapter cable 1.8M



• Swivel base



KT NO.	Applicable area	L x H x W mm	1239	1 / 6
9TA42A	Europe	238 x 270 x 46	1239	1 / 6
9TA42B	America & Asia	238 x 270 x 46	1239	1 / 6
9TA42D	Australia & New Zealand	238 x 270 x 46	1239	1 / 6

# Dual - Light Pocket Lamp

## 9TA44W

- 7W COB LED + 3W SMD
- White light color, kelvin : 6500K
- IP20 waterproof and dustproof, IK07 vandalproof
- Switch Mode :  
Spotlight - 250 Lumen (lm) / 4.5 hours  
Low light - 120 Lumen (lm) / 10 hours  
Mid light - 350 Lumen (lm) / 5 hours  
High light - 700 Lumen (lm) / 2.5 hours
- Material : Durable housing and lens
- 180° flexible handle + super strong magnet on the handle
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : Type-C USB charging cable
- 3 LED battery status indicators
- Charging time : 4 hours by USB cable, 6h~7h by wireless charging base(not included)



RoHS



• LED battery status indicators



• 180° flexible direction



• Super strong magnet on the handle



• Easy to carry



• Wireless charging design

### Contents

Dual - light pocket lamp		x 1 PC.
Type-C USB cable		x 1 PC.

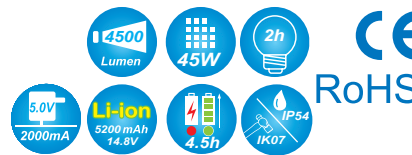
KT NO.	L mm	218	1 / 24
9TA44W	97 x 83 x 39	218	1 / 24



# 45W Twin Head SMD Floodlight

## 9TA45

- 45W 120 PC. SMD LED
- White light color, kelvin : 5700K
- Switch Mode :  
Work light 100% – 4500 Lumen (lm) / 2 hours  
Work light 75% – 3000 Lumen (lm) / 3 hours  
Work light 50% – 1500 Lumen (lm) / 6 hours  
Work light 25% – 750 Lumen (lm) / 12 hours
- 90° vertical rotation & 180° horizontal rotation for angle of lighting
- Rechargeable battery : Replaceable 14.8V 5200 mAh Li-ion battery pack
- Accessory : 100-240V to 20V 1.1A charger
- 5 LED battery status indicator & USB 5V 2A output
- Charging time : 4.5 hours
- Material : PA + ABS + PC



- 180° horizontal rotation
- 90° vertical rotation
- Replaceable battery



- Power bank in case of emergency
- Anti-slip handle
- Option to fixation

KT NO.	Applicable area	L x W x H mm	Weight	Dimensions
9TA45A	Europe	288 x 176 x 131	2140	1 / 4



### Contents

45W Twin Head SMD Floodlight		x 1 PC.
AC charger		x 1 PC.
Battery pack		x 1 PC.

# 40W COB Bluetooth Speaker Floodlight

## 9TA46

- 40W COB LED
- White light color, kelvin : 6500K
- Switch Mode :  
Eco mode – 400 Lumen (lm) / 20 hours  
Full power mode – 4000 Lumen (lm) / 2 hours  
Music mode – 5~8 hours
- 140° vertical rotation + hiding hook on the bottom
- High performance integrated 10W Bluetooth speaker
- Rechargeable battery : 11.1V 5200 mAh Li-ion
- Accessory : 100-240V to 15V 1.5A charger
- 5 LED battery status indicator & USB 5V 2A out put
- 1 LED Bluetooth indicator
- Quick charging time : 3.5 hours
- Material : TPE + PA + aluminum + PC



- AC Charger
- Bluetooth on & USB out put (Power bank) battery indicator
- Anti-slip handle



- Option to fixation
- Hiding Hook
- 140° vertical rotation

KT NO.	Applicable area	L x W x H mm	Weight	Dimensions
9TA46A	Europe	210 x 210 x 100	1450	1 / 4



Bluetooth 4.0 10M

### Contents

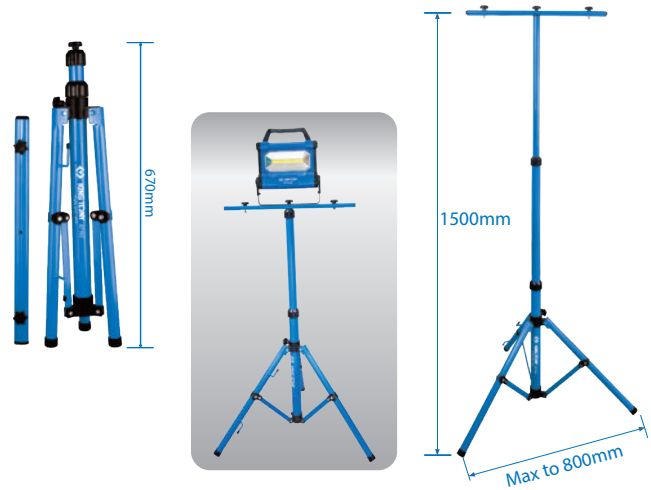
40W COB Bluetooth Speaker Floodlight		x 1 PC.
AC charger		x 1 PC.





# Adjustable Tripod for Floodlight

87162

- Can hold one light or 2 lights (with T-Bar)
- Durable heavy duty steel tripod body
- Three section tube diameter : 25mm / 32mm / 38mm
- Adjustable tripod height from 700mm to 1500mm
- Portable, easy to fold and great for transportation
- It is recommended to use with 9TA42 / 9TA44 / 9TA45 / 9TA46 (This product dose not contain lamps, please buy separately )

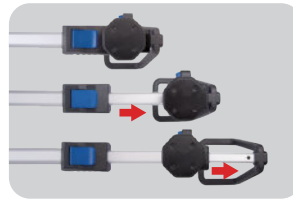
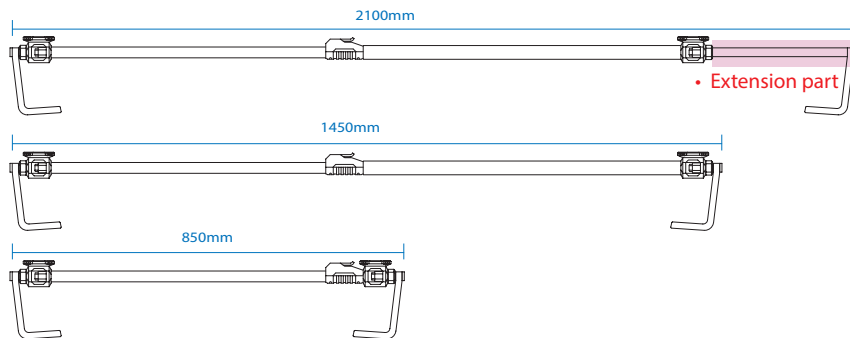


KT NO.	Tube Diameter (mm)	Loading Weight (kg)	Folded Length (mm)	Max height (mm)		
87162	38	3.0	700	1500	650	1 / 6



# Detachable Underhood Light Shelf

87163

- Two movable base fit all kinds of magnetic lights
- 360° horizontal rotating base for different lighting angle
- Three section length adjustment fit variety of occasions
- Durable heavy duty aluminum body + PA
- Anti-sliding clasp handle
- It is recommended to use with 9TA44 (This product dose not contain lamps, please buy separately )



- Three section length adjustment fit variety of occasions
- 360° horizontal rotating base for different lighting angle

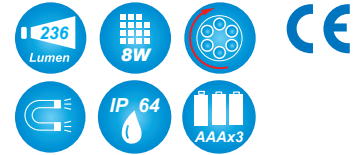
KT NO.	Width (mm)	Height (mm)	Folding length (mm)	Extendable length (mm)		
87163	110	180	850	2100	1300	1 / 6



# Multi-Functional Adjustable COB Headlight

## 9TA51

- 5W Multi-Functional Adjustable COB Headlight
- Brightness : 236 Lumen (Lm)
- Magnetic swivel clip
- Operates using 3 x AAA batteries (not included )
- Waterproof grade : IP 64



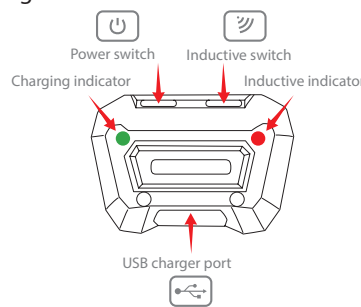
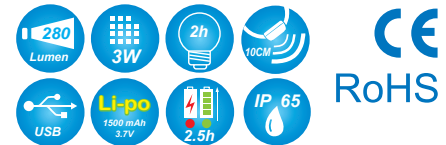
KT NO.	L mm		
9TA51	88	300	32



# 3W COB LED Inductive Headlight

## 9TA52

- Brightness : 100 / 280 Lumen (lm), white light color, kelvin : 6500K
- 2 hours continuous for high worklight / 5.5 hours for low worklight
- IP65 waterproof and dustproof
- Materials : High impact ABS + TPE housing + PC lens & non-skid grip belt
- Feature : 10cm Smart motion sensor
- Rechargeable battery : 3.7V - 1500mAh Li-po
- LED battery charging indicator
- Charging time : 2.5 hours
- Accessory : Micro USB cable + AC 100-240V charger



KT NO.	Applicable area	L mm		
9TA52A	Europe	65	110	1 / 40
9TA52B	America & Asia	65	110	1 / 40
9TA52D	Australia & New Zealand	65	110	1 / 40

Contents		
COB LED lamp		x 1 PC.
Headband		x 1 PC.
USB charger		x 1 PC.
Micro USB cable		x 1 PC.

# LED Pocket Torch

## 79814

- 1W High performance LED pocket torch
- Brightness : 30 Lumen(lm)
- Aluminum alloy body with keychain
- Operates using 1 x AA battery (not included)
- 6 hours (normal) lighting



KT NO.	L x Ø mm	g	Box / Carton
79814	98 x 21	31	10 / 120

## 79815

- 3W High performance LED adjustable focus pocket torch
- Brightness : 120 Lumen(lm)
- Strobe warning lights for maximize visibility
- Aluminum alloy body, safety lanyard included
- Operates using 3 x AAA batteries (not included)
- 6.5 hours (normal) lighting

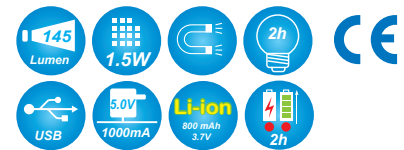
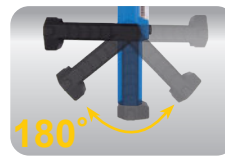


KT NO.	L x Ø mm	g	Box / Carton
79815	128 x 28	95	1 / 100

# 1.5W COB +1 LED Lamp

## 9TA28

- 1.5W COB + 1W LED
- 180° magnetic swivel base + 270° magnetic swivel clip
- Rechargeable battery : 3.7V - 800mAh Li-ion
- Accessory : Micro USB charging cable
- Overcharge/Discharge protection
- Materials : ABS+PC
- 2 hours continuous light, charging time : 2 hours
- Brightness : 145 Lumen (lm), white light color, kelvin : 7200K



• Magnetic swivel clip



• magnetic base      • USB charger port      • Top light with 1 LED

KT NO.	L mm	g	Box / Carton
9TA28	180	160	12 / 48

### Contents

1.5W COB + 1 LED rechargeable work lamp		x 1 PC.
Micro USB cable		x 1 PC.

# Rechargeable LED Pen Light

## 9TA281

- 3.5W -7 SMD + 1W SMD (Top)
- White light color, kelvin : 6500K
- IP20 waterproof and dustproof, IK07 vandalproof
- Switch Model :  
Top light : 80 Lumen (lm) / 4 hours  
Main light : 120 Lumen (lm) / 2.5 hours
- Material : ABS housing + Rubberized painting + PC lens
- Strong magnet on the clip
- Rechargeable battery : 3.7V 750mAh Li-ion
- Led charging indicator : Red -Charging, Green -Fulled
- Charging time : 2 hours



### Contents

LED pen light		x 1 PC.
Micro USB cable		x 1 PC.



# LED Pen Light & Set

## 79831

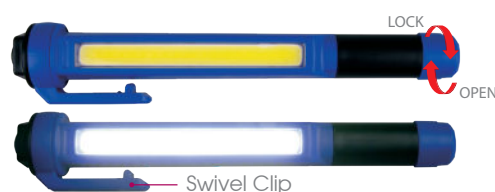
- Pen light with 6 PC. SMD(surface-mount devices) LED
- Brightness : 135 Lumen(lm)
- ABS body 360 degree rotation
- PE lampshade : avoid nebulization
- Operates using 3 x AAA batteries (not included)



KT NO.	L x W x H mm	g	Box / Carton
79831	165 x 25 x 30	58	10 / 120

## 79832





- Pen light with 1 PC. 5W COB(chip on board)
- Brightness : 230 Lumen(lm)
- ABS body 360 degree rotation
- PE lampshade : avoid nebulization
- Operates using 3 x AAA batteries (not included)
- Waterproof grade : IP 54



KT NO.	L x W x H mm	g	Box / Carton
79832	165 x 25 x 30	58	10 / 120

## 7983

Paper display stand size(mm) :  
115 x 175 x 175 (0.124CUFT)

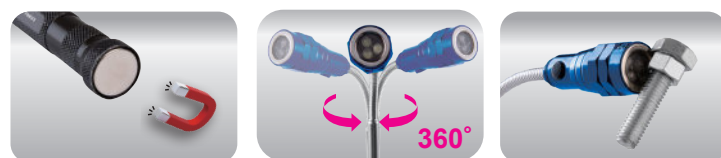
KT NO.	Contents	g	Box / Carton
79830DQ	6 PC.  79831	0.58	1 / 12
	6 PC.  79832		
79831-S	12 PC.  79831	0.58	1 / 12
79832-S	12 PC.  79832	0.58	1 / 12



# LED Telescopic Torch

## 79833

- 3 LEDs, white light color
- Magnetic torch with 360° flexible head
- Extends up from 170mm to 560mm
- 4 x LR44 batteries included



KT NO.	L x Ø mm	g	Box / Carton
79833	170 x 22	95	1 / 50





LIGHTING



# AUTOMOTIVE TOOLS





# Tool Trolley Contents

286  
PC.



Contents No. 934-010MRVD

kg 28.8 CUFT 2.97

- Special tool set for Automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-3544MRV #9 P.76

9-4537MRV #9 P.77

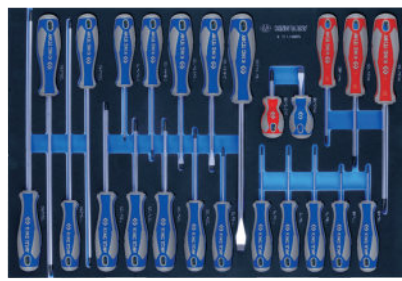
9-4147PRV  
#10 P.83

9-4401MPV  
#10 P.83

9-2565MRV #7 P.74  
9-4129PRV #7 P.74

9-90119MRV #9 P.79

9-1220MRV #9 P.78



9-31124MRV #6 P.73



9-40104GPV  
#10 P.83



9-40113GPV  
#10 P.83



9-90135MRV  
#10 P.83



9-90118PRV  
#10 P.84



## Tool Trolley Set

286  
PC.



**934-010MRV**  
(87434-7B P.33)



**934-010MRV-G**  
(87434-7B-G P.33)



**934-010MRV-B**  
(87434-7B-B P.33)



**9634-010MRV**  
(87634-7B P.39)



**9634-010MRV-G**  
(87634-7B-G P.39)



**9634-010MRV-B**  
(87634-7B-B P.39)



**9934F-010MRV**  
(87934-7BF P.41)



**9934F-010MRV-G**  
(87934-7BF-G P.41)



**9934F-010MRV-B**  
(87934-7BF-B P.41)



# ALFA ROMEO

## Diesel Engine Setting & Locking Set



### 9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engine timing



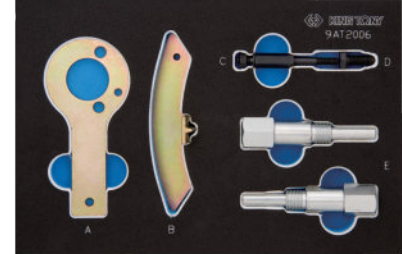
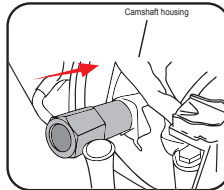
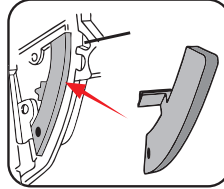
1360 1 / 10

MODEL:

145 (98-01), 146 (98-01), 147 (01-09)  
156 (97-08), 159 (05-09), 166 (98-08)  
GT (04-09), Brera (05-09), Spider (06-09)  
Crosswagon (04-08)

ENGINE CODE:

**1.9JTD 8v.**  
323.02, 371.01, 182B9.000, 937A2.000  
937A3.000, 939A1.000, 939A2.000,  
939A7.000  
**1.9JTD 16v.**  
192A5.000, 192B1.000, 937A4.000  
937A5.000, 939A2.000, 939A8.000  
**2.4JTD 10v.**  
325.01, 342.02, 362.02, 839A6.000  
841C.000  
**2.4JTD 20v.**  
841G.000, 841H.000, 841M.000  
939A3.000, 939A9.000



CONTENTS :

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)

# BMW

## Petrol Engine Timing Set



### 9AT1003E

- The set includes camshaft setting plates and a flywheel locking pin
- Suitable for BMW V12 M70 & M73 petrol engine
- Use to lock the camshaft on the correct timing position



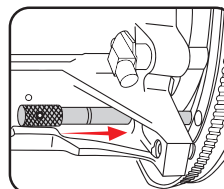
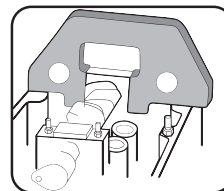
2190 1 / 5

MODEL:

750i / E32 / E38 (87-02)  
850i / E31 (90-99)

ENGINE CODE:

**M70 / M73**  
50 12 A, 54 12 1  
54 12 2, 56 12 1



- A - camshaft setting plate
- B - flywheel locking pin



# BMW

## Petrol Engine Twin Camshaft Setting & Locking Set



### 9AT1018E

- The set includes camshaft / carrier bracket remover & installer tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine

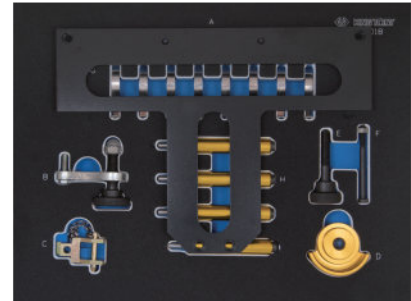
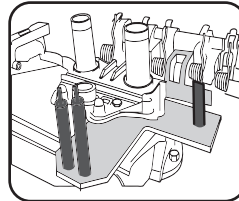
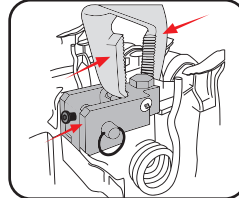


18  
PC.

4400 1 / 3

MODEL: 118i. E87 (04-08)  
120i. E87 (04-08)  
316i. E46 (01-05)  
316ti. Compact E46 (01-05)  
318i. E46 (01-07)  
318ti. Compact E46 (01-05)  
318i. E90 (05-08)  
X3. 2.0i E83 (05-08)  
Z4. 2.0i E85 (04-08)  
520i. E60 (04-08)  
320i. E90 (05-08)

ENGINE CODE: N42 / N46  
B18, B18A, B20, B20A, B20B



#### CONTENTS :

- A&H&l - camshaft/carrier bracket
- Mounting fixture
- B - inlet camshaft securing tool (rear)
- C&F - torsion spring remover/installer
- D&E - inlet camshaft securing tool (front)
- G - intermediate lever clamp set (8 PC.)



ENGINE SERIES



KING TONY

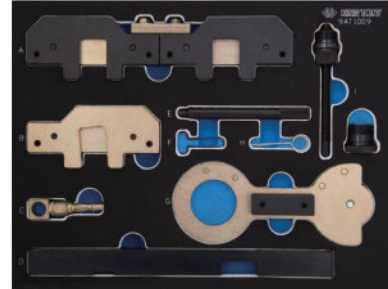


9AT1009E

- The set includes compressed air connector, twin VANOS setting tool and sprocket / chain assembly fixture, timing adjustment plate, pre-load tools
- Suitable for setting / locking popular BMW petrol engine
- Use to adjust engine timing and set / lock engine application



5966 1/3



### CONTENTS :

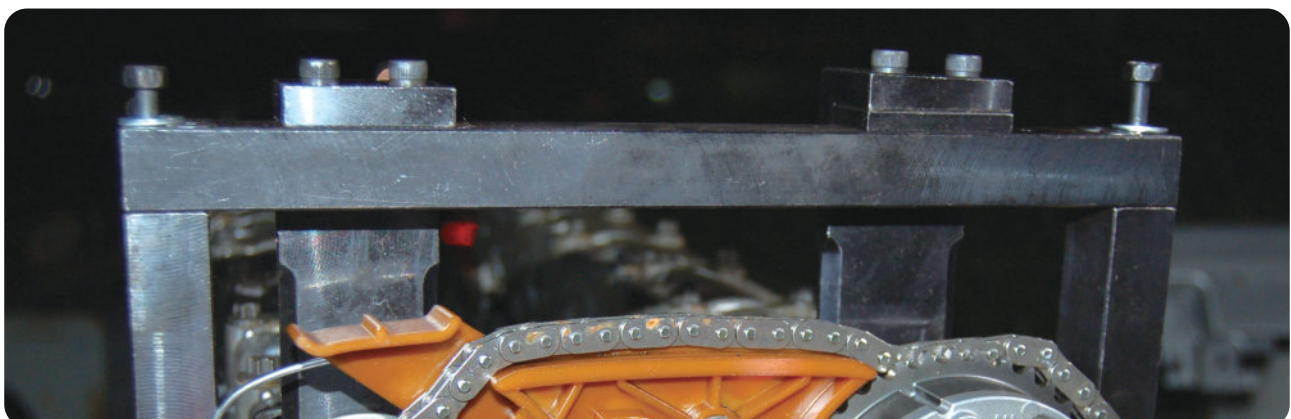
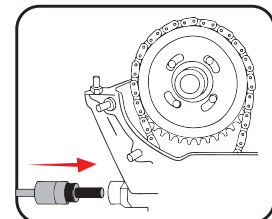
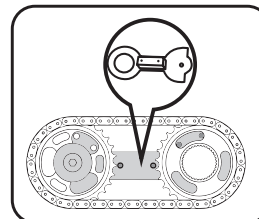
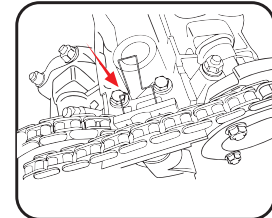
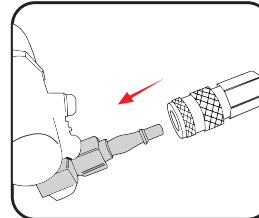
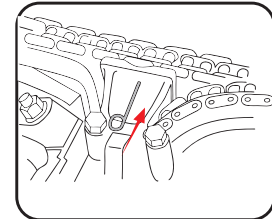
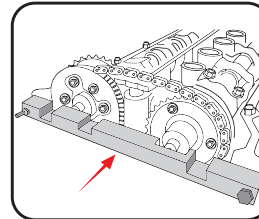
- A - camshaft setting plate
- B - timing adjustment plate
- C - compressed air connector
- D - sprocket / chain assembly fixture
- E - flywheel locking pin
- F - tensioner pin (M50)
- G - twin VANOS setting tool
- H - tensioner pin (M52)
- I - tensioner tool

MODEL:

318is. E36 (92-99)  
 318ti Compact E36 (94-01)  
 320i. E36 / E46 (92-07)  
 323i. E36 / E46 (95-01)  
 325i. E36 / (92-07)  
 328i. E36 / E46 (95-01)  
 330i. E46 (00-07)  
 520i. E39 / E60 (96-05)  
 523i. E39 (96-00)  
 525i. E39 / E60 (00-05)  
 528i. E39 (96-00)  
 530i. E39 / E60 (00-05)  
 728i. E38 (94-02)  
 730i. E65 (02-05)  
 Z3. (E36) 1.9-3.0 (96-03)  
 Z4. (E85) 2.2-3.0 (03-06)  
 X3. (E83) 3.0 (03-06)  
 X5. (E53) 3.0 (99-07)

ENGINE CODE:

M42 / M44 / M50 / M52  
 no VANOS (VVT)  
 18 4S 1, 19 4S 1, 20 6S 2(Early),  
 25 6S 2(Early)  
 M50 / M52  
 Single VANOS (VVT) variants  
 20 6S 2(Later)  
 20 6S 3  
 25 6S 2(Later)  
 M52(TU) / M54 / M56  
 Twin VANOS (VVT) variants  
 20 6S 4  
 22 6S 1  
 25 6S 4



## Petrol Engine Twin Camshaft Setting & Locking Set



**9AT1102E**

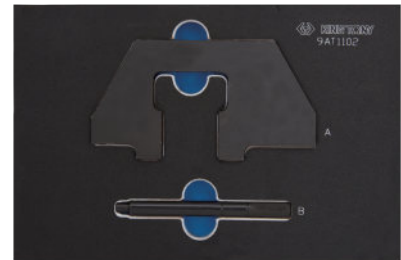
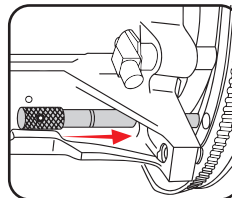
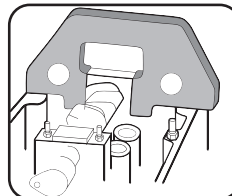
- The set includes camshaft locking plate and flywheel locking pin
- Suitable for M40 engines (also used on the M43 chain driven engine)
- Use to lock the camshaft and crankshaft TDC position to keep their timing relationship while replacing timing belt or carry out other timing belt service



1901 1 / 10

**MODEL:**  
 316i E36 / E46 (93-04)  
 316i Compact E36 / E46 (98-01)  
 318i E36 / E46 (93-01)  
 518i E34 (94-96)  
 Z3 1.8 / 1.9 E36 (96-03)

**ENGINE CODE:**  
 M43  
 16 4E 2, 16 4E 3  
 18 4E 2, 19 4E1



**CONTENTS :**  
 • A - camshaft locking plate  
 • B - flywheel locking pin

## Petrol Engine 1.8 To 3.0 Twin Cams Setting & Locking Set



**9AT1106E**

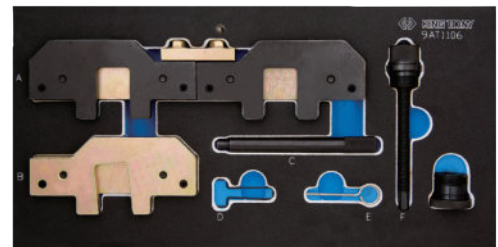
- The set includes camshaft setting plate, timing adjustment plate, pre-load tool, flywheel locking pin and tensioner pin
- Suitable for setting / locking popular BMW petrol engine
- Suggestion:  
 Use with 9AT1-A02 wrench while using this kit on SINGLE VANOS system (on inlet camshaft)  
 Use with 9AT1303 while using this set on TWIN VANOS system



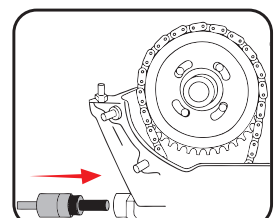
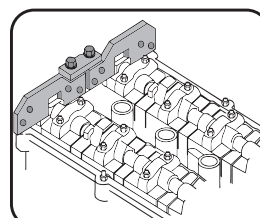
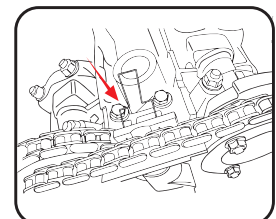
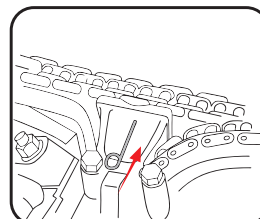
3781 1 / 5

<b>MODEL:</b>	318is. E36 (92-99)	525i. E39 / E60 (00-05)
	318ti Compact E36 (94-01)	528i. E39 (96-00)
	320i. E36 / E46 (92-07)	530i. E39 / E60 (00-05)
	323i. E36 / E46 (95-01)	728i. E38 (94-02)
	325i. E36 / E46 (92-07)	730i. E65 (02-05)
	328i. E36 / E46 (95-01)	Z3. (E36) 1.9-3.0 (96-03)
	330i. E46 (00-07)	Z4. (E85) 2.2-3.0 (03-06)
	520i. E39 / E60 (96-05)	X3. (E83) 3.0 (03-06)
	523i. E39 (96-00)	X5. (E53) 3.0 (99-07)

**ENGINE CODE:**  
 M42 / M44 / M50 / M52 no VANOS (VVT)  
 18 4S 1, 19 4S 1, 20 6S 2(Early), 25 6S 2(Early).  
 M50 / M52 Single VANOS (VVT) variants  
 20 6S 2(Later), 20 6S 3, 25 6S 2(Later),  
 25 6S 3, 28 6S 1  
 M52(TU) / M54 / M56 Twin VANOS (VVT) variants  
 20 6S 4, 22 6S 1, 25 6S 4, 25 6S 5, 28 6S 2, 30 6S 3



**CONTENTS :**  
 • A - camshaft setting plate  
 • B - timing adjustment plate  
 • C - flywheel locking pin  
 • D - tensioner pin (M50)  
 • E - tensioner pin (M52)  
 • F - tensioner tool





# BMW

## Petrol Engine Twin VANOS Service Set



### 9AT1303E

- The set includes compressed air connector, twin VANOS setting tool and sprocket / chain assembly fixture
- Suitable for BMW M52TU, M54 & M56 engines
- Use to adjust engine timing on twin VANOS system (Variable Valve Control) of BMW six cylinder twin camshaft petrol engine
- Suggestion:  
Use with 9AT1106 while using this kit to set / lock application



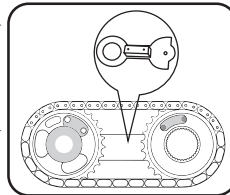
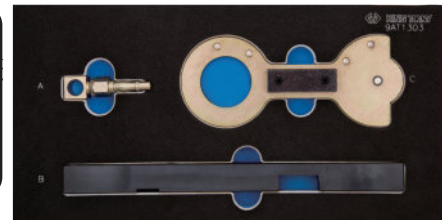
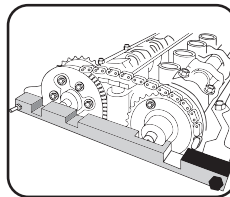
2740 1 / 5

MODEL:

3 Series: E46 / Z3  
5 Series: E39 / E60 / E61  
7 Series: E38 / E65 / E66  
X3: E83  
X5: E53  
Z4: E85

ENGINE CODE:

20 6S 4, 22 6S 1, 25 6S 4, 25 6S 5  
28 6S 2, 30 6S 3



CONTENTS :

- A - compressed air connector
- B - sprocket / chain assembly fixture
- C - twin VANOS setting tool

# BMW

## Petrol Engine Timing Alignment Set



### 9AT1112E

- The set includes camshaft locking tool, VANOS alignment plate, flywheel locking pin
- Suitable for BMW 2.5/3.0 liters chain drive six cylinder, twin cams 16v petrol engines
- Use to lock camshaft in TDC position when setting or adjusting engines timing



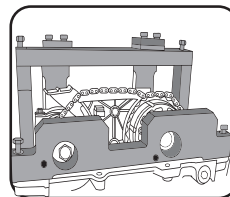
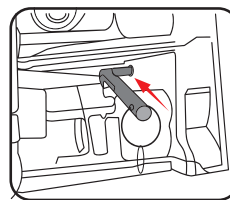
5900 1 / 3

MODEL:

128i. E82 (07-08)  
130i. E81/87 (05-08)  
135iS. E82 (07-08)  
323i. E90/91/92/93 (04-08)  
325i/xi. E90/91/92/93 (04-08)  
328i/xi. E90/91/92/93 (04-08)  
330i/xi. E90/91/92/93 (04-08)  
335i/xi. E90/91/92/93 (05-08)  
523i/Li. E60/61 (04-08)  
525i/Li/xi. E60/61 (04-08)  
528i/xi. E60/61 (06-08)  
530i/Li/xi. E60/61 (05-08)  
535i/xi. E60/61 (06-08)  
630i. E63/64 (04-08)  
730i/Li. E65/66 (04-08)  
X3 2.5/3.0 E83 (06-08)  
X5 3.0 E70 (06-08)  
Z4 2.5/3.0 E85/86 (05-08)

ENGINE CODE:

N51 / N52 / N52K (Valvetronic)  
N53 / N54 (Direct Injection)



CONTENTS :

- A - VANOS alignment plate (Red for N53/N54, Silver for N51/N52/N52K)
- B - camshaft locking tool
- C - flywheel locking pin

ENGINE SERIES



# BMW

## Diesel Engine 2.0 / 3.0 Timing Set



### 9AT2007E

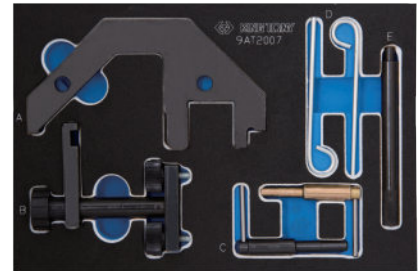
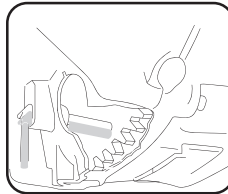
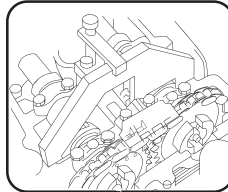
- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft



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MODEL: 118d E87 (03-07), 120d E87 (03-07)  
 318d / td E46 / E90 / 91(00-08)  
 320d / td E46 / E90 / 91(97-08)  
 325d E90 / 91 / 92 / 93 (06-09)  
 330d / xd / cd E46 / E90 / 91 / 92 / 93 (98-08)  
 335d E90 / 91 / 92 (06-09)  
 520d E39 / E60 / 61 (99-09)  
 525d / xd E39 / E60 / 61 (99-09)  
 530d / xd E39 / E60 / 61 (98-09)  
 535d E60 / 61 (04-09), 635d E63 / 64 (04-09)  
 730d / Ld E38 / E65 / 66 (98-08)  
 X3 2.0d E83 (03-07), X3 3.0d / sd E83 (03-09)  
 X5 3.0d E53 / E70 (00-09)

ENGINE CODE: M47 / M57/ M47TU / M57TU / M47T2 / M57T2  
 20 4D 1, 20 4D 4, 25 6D 1, 25 6D 2  
 30 6D 1, 30 6D 2, 30 6D 3, 30 6D 4  
 30 6D 5



#### CONTENTS :

- A – camshaft setting plate
- B – camshaft plate locking tool
- C – TDC timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin

# BMW

## Petrol Engine Timing Setting & Locking Set



### 9AT1206E

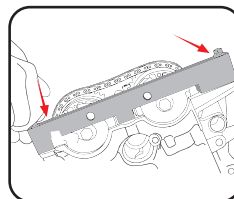
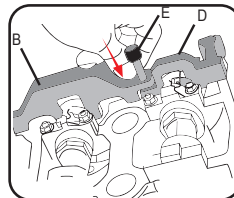
- The set includes VANOS alignment plate, camshaft setting tools, flywheel locking pin and timing chain tensioner pre-load tool
- Suitable for 1.6 BMW, 4 cylinder twin camshaft 16v and chain driven petrol engines with VANOS
- Use to check and adjust engine timing



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MODEL: 116i. E81 E87 (03-09)  
 316i. E46 / E90 (01-08)  
 316Ci. E46 (01-06)  
 316ti. E46 (01-05)

ENGINE CODE: N40 / N45 / N45T  
 B16, B16A, B16AC



#### CONTENTS :

- A - VANOS alignment plate
- B - camshaft setting plate (inlet)
- C - timing chain tensioner pre-load tool
- D - camshaft setting plate (exhaust)
- E - camshaft setting plate securing screw
- F - flywheel locking pin



# BMW

## Diesel Engine 2.5TDS Timing Set

### 9AT2106E

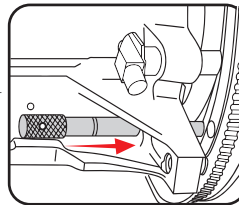
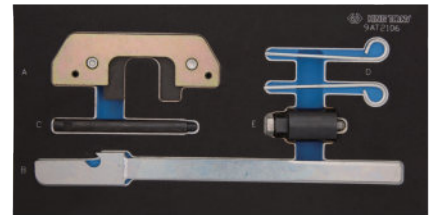
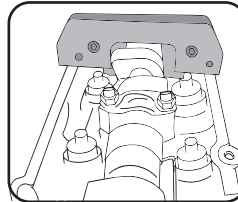
- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engine
- Use to retain and support the sprocket and timing chains in correct position when the pump is removed



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MODEL: 1.7 2.5td / tds (Chain)  
318tds. E36(94-00)  
325td / tds. E36(91-99)  
525td / tds. E34(90-00)  
725tds. E38(95-02)

ENGINE CODE: 1.7 2.5td / tds (Chain)  
M41 / M51



#### CONTENTS :

- A - camshaft setting plate
- B - tensioner lever
- C - flywheel locking pin
- D - tensioner retaining pin
- E - pump remove & sprocket retainer (2 part)

# BMW/ MINI

## Petrol Engine Setting & Locking Set – BMW/PSA

### 9AT1010E

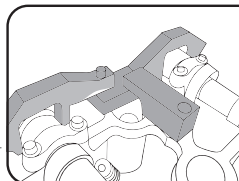
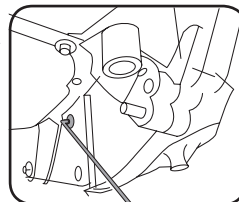
- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing



BMW Mini Cooper N12/N14 2384 1 / 5

MODEL: Clubman(07-14)  
Countryman(14-16)  
Paceman(14-16)  
Roadster(12-12)

ENGINE CODE: N12 1.4/1.6(Valvetronic)  
B14, B14AB, B16A  
N14 1.6(Direct Injection)  
B16A, B16CD/TD, B16TD, B16CD



#### CONTENTS :

- A - camshaft setting tool (inlet)
- B - camshaft setting tool (exhaust)
- C - camshaft setting tool
- D - camshaft setting clamp
- E - crankshaft locking pin
- F - chain tensioner tool
- G - M10 screw\*4



# BMW/ MINI

## Petrol Engine Timing Set



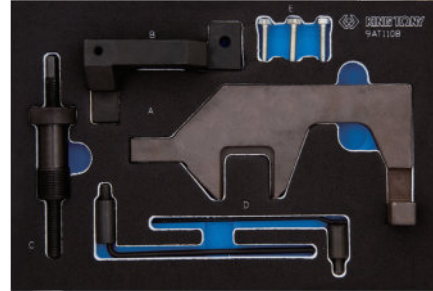
### 9AT1108E

- Use for BMW & Mini 1.6 litre chain drive petrol engine
- Includes the cam & crankshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW (N13) & Mini (N18) engines



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MODEL:	<b>BMW 1 Series</b> 114i F20(2012-15), 116i F20 (2012-15), 118i F20 (2011-15)
	<b>BMW 3 Series</b> 316i F30 (2012-15)
ENGINE CODE:	<b>MINI</b> Cooper S (R56/57) (2010-15) Coupe Cooper S (R58) (2012-15) Roadster (R59) (2012-15) Countryman (R60) (2012-16) Paceman (R61) (2013-16) Clubman (R55) (2011-14)
	<b>N13</b>
	B16A
	<b>N18</b>
	B16/M0, B16A, B16A/M0, B16A/MO, B16C, B16C/TO, B16M0



#### CONTENTS :

- A – camshaft locking tool
- B – camshaft locking tool
- C – chain tensioner tool
- D – crankshaft locking pin

# BMW

## Petrol Engine Timing Set



### 9AT1706E

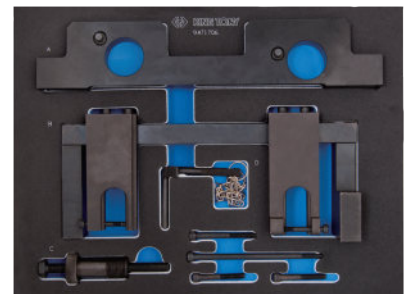
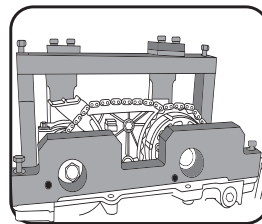
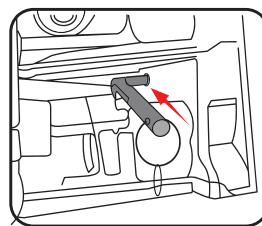
- Use for BMW 2.0 litre chain drive petrol engine
- Includes the VANOS setting tools, camshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW N20 & N26 engines



4287 1 / 3

MODEL:	<b>BMW 1 Series</b> 125i F20/21(2012-14)
	<b>BMW 3 Series</b> 320i/xDrive F30/31 (2012-14), 328i F30/31 (2012-14), 328i/xDrive F30/31 (2012-14)
	<b>BMW 5 Series</b> 520i F10/11 (2010-14), 528i F10/11 (2013-14), 528i/xDrive F10/11 (2011-14)
	<b>X1</b> sDrive18i/20i E84 (2011-14), xDrive20i/28i E84 (2011-14)
	<b>X3</b> xDrive20i/28i F25 (2011-14)
	<b>Z4</b> sDrive18i E89 (2013-14), sDrive20i/28i E89 (2011-14)

ENGINE CODE:	N20 B20A, N20 B20B/U0, N20 B20O0, N26 B20
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#### CONTENTS :

- A - VANOS alignments plate
- B - camshaft locking tool
- C - chain tensioner tool
- D - flywheel locking pin



## Diesel Engine Timing Locking Set



### 9AT2107E

- The set includes camshaft alignment tool, flywheel locking tool, crankshaft pulley turning tool, and also high pressure pump sprocket removal tool
- Suitable for BMW N47 / N47S / N57 2.0 and 3.0 twin camshaft diesel chain drive engine
- Use to set & lock the camshaft and crankshaft when adjusting valve timing on engine correctly



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#### MODEL:

##### 1 Series

116d/118d/120d/123d  
E81/82/87/88 (07-12)

##### 3 Series

316d/318d/320d/325d/330d/330xd  
E90/91/92/93 (07-12)

##### 5 Series

520d E60/61 (07-10)  
525d/530d/535d F10/11 (10-12)  
530d GT/535d GT F07 (09-12)

##### 7 Series

730d/730Ld/740d/740d xDrive  
F01/02/04 (08-12)

##### X Series

X1 sDrive 18d/20d E84 (09-12)  
X1 xDrive 18d/20d/23d E84 (09-12)  
X3 20d E83 (07-10)  
X3 xDrive 1.8d/30d E83 (08-12)  
X5 30d/xDrive 40d E70 (10-12)  
X6 xDrive 30d/40d E71/72 (10-12)

#### ENGINE CODE:

##### N47 / N47S

D20A  
D20B  
D20T0  
D20O0  
D20U0

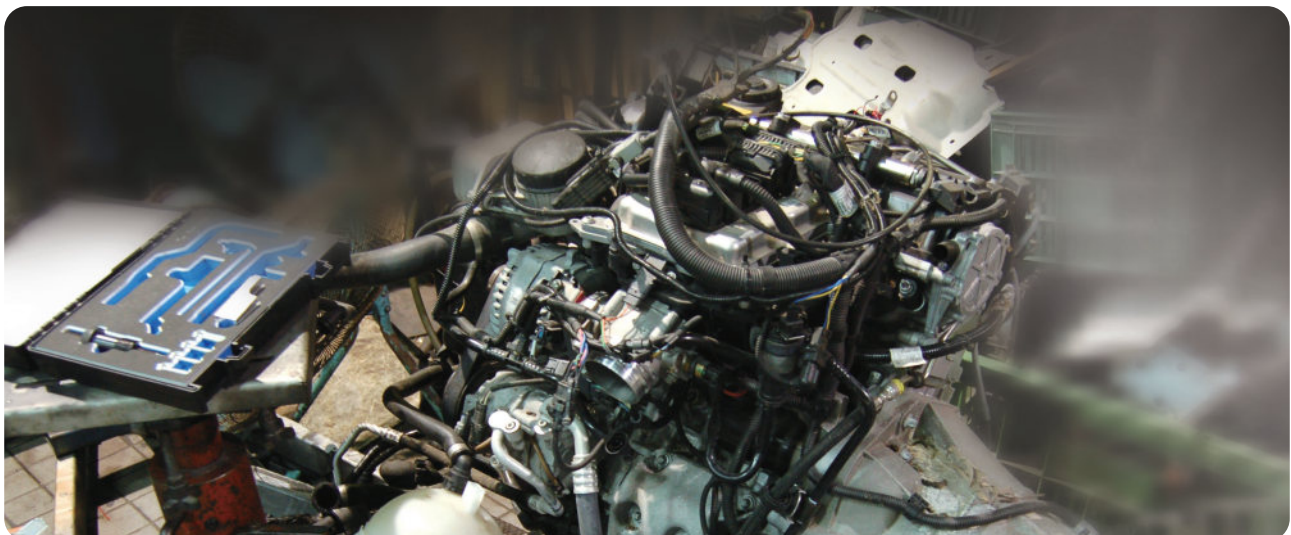
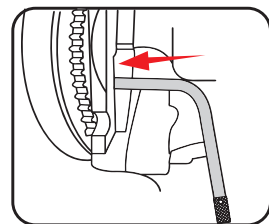
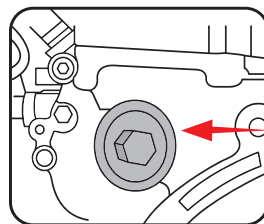
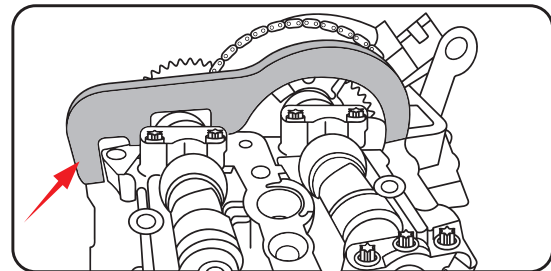
##### N57

D30U0  
D30O0  
D30O1  
D30T0



#### CONTENTS :

- A – camshaft Alignment Tool
- B – flywheel Locking Tool
- C – crankshaft Turning Tool
- D/F – high pressure pump sprocket removal tool
- E – tensioner Locking Pin



# BMW

## Petrol Engine VANOS Engagement Wrench

### 9AT1-A02

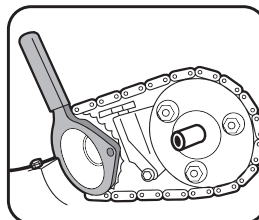
- For BMW twin camshaft engines with single VANOS unit mounted on inlet camshaft

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MODEL:

318is, E36 (92-99), 318ti Compact E36 (94-01)  
320i, E36 / E46 (92-07), 323i, E36 / E46 (95-01)  
325i, E36 / E46 (92-07), 328i, E36 / E46 (95-01)  
330i, E46 (00-07), 520i, E39 / E60 (96-05)  
523i, E39 (96-00), 525i, E39 / E60 (00-05)  
528i, E39 (96-00), 530i, E39 / E60 (00-05)  
728i, E38 (94-02), 730i, E65 (02-05)  
Z3, (E36) 1.9-3.0 (96-03)  
Z4, (E85) 2.2-3.0 (03-06)  
X3, (E83) 3.0 (03-06), X5, (E53) 3.0 (99-07)



ENGINE CODE:

M50 / M52 Single VANOS (VVT) variants  
20 6S 2(Later), 20 6S 3, 25 6S 2(Later)  
25 6S 3, 28 6S 1

# BMW

## Diesel Engine Injection Pump Puller

### 9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines

528  6 / 36

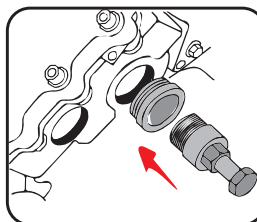


MODEL:

318d / Compact(E46)  
320d / td Compact(E46)  
330d(E46), 535d(E60 / E61), 730d(E38)  
X5 3.0d(E53), 530d(E39 / E60 / E61)  
525d(E39 / E60 / E61)

ENGINE CODE:

M47 / M57  
1 Series E87, 3 Series E46 / E90  
5 Series E39 / E60, 6 Series E63  
7 Series E38 / E65, X3 E83 and E53 / E70



# CHEVROLET

## Petrol Engine Tension Adjustment Wrench Set (Via Water Pump)

### 9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engines

695  6 / 24

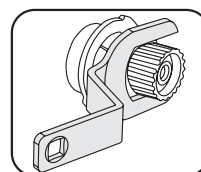


MODEL:

9AT1202-B(41mm)  
Kalos (04-08), Aveo (06-08),  
Espero / Aranos (95-97), Nexia (95-97)  
Lanos (97-03), Nubira / Lacetti (97-09)  
Cruze (2009)

ENGINE CODE:

1.4 A13DM A14MS F14S3  
1.4 16v, F14D3,  
1.5 G15MF  
1.5 16v, A15DM A15SMS A15MF  
1.6 16v, A16DM A16DMS F16D3 LXT



CONTENTS :

- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)



# MERCEDES-BENZ

## Petrol Engine Timing Set



**9AT1016E**

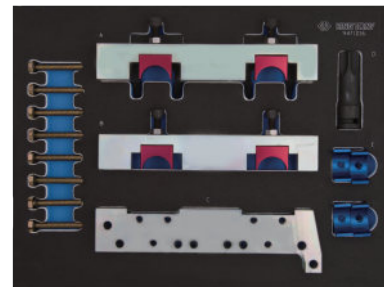
- Use for chain drive 1.6 / 2.0 direct injection petrol engine
- Includes different diameter alignment blocks and pulley bit socket to ensure the camshaft in the correct position
- Suitable for Mercedes- Benz M133 / M270 / M274



5696 1 / 5

MODEL: A-class 176 (since 2012)  
 B-class 242 / 246 (since 2012)  
 CLA 117 (since 2012)  
 C-class 204 (since 2011)  
 C-class COUPE (since 2011)  
 E-class 212 (since 2011)  
 GLA (2014-15)

ENGINE CODE: 133.980  
 270.910, 270.920  
 274.910, 274.920



**CONTENTS :**

- A – camshaft alignment tool (chain end)
- B – camshaft alignment tool (gearbox end)
- C – camshaft pulley bit socket (T100)
- D – camshaft alignment blocks (small)

# MERCEDES-BENZ

## Petrol Engine Timing Set



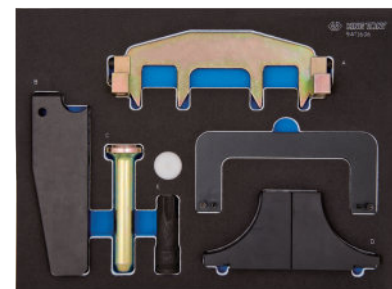
**9AT1606E**

- Use for 1.8 litre M271 chain drive petrol engine
- Includes chain tensioner adjust tools and cam pulley bit socket to hold the chain in place
- Suitable for Mercedes- Benz M271



3452 1 / 3

MODEL	ENGINE CODE
C-class 176 (2002-15)	271.820, 271.860, 271.861
C-class Coupe (2011-15)	271.921, 271.940, 271.941
CLC (2008-12)	271.942, 271.943, 271.944
CLK (2002-09)	271.946, 271.948, 271.950
E-class (2002-13)	271.952, 271.954, 271.955
E-class Coupe / Cabriolet (2004-13)	271.956, 271.957, 271.958
SLK (2004-15)	
Sprinter (2007-15)	271.951



**CONTENTS :**

- A – camshaft locking tool
- B – cam chain tensioner rail wedge tool
- C – cam chain tensioner drift
- D – cam chain retaining bridge
- E – camshaft pulley bit socket (T100)



# PSA PEUGEOT CITROËN

## Petrol Engine Setting & Locking Set – BMW/PSA

### 9AT1010E

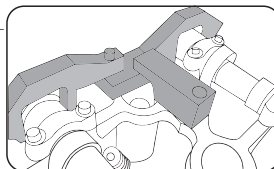
- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing



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**Citroen**  
C4(08-11)  
C4 Picasso(08-13)  
**Peugeot**  
MODEL: 207(06-11)  
207CC(07-14)  
308(07-14)  
3008(09-12)  
5008(09-11)

**Citroen**  
8FR(EP3)  
5FS(EP6)  
**Peugeot**  
ENGINE CODE: EP3(8FS)  
EP6(5FW)  
EP6DT(5FX)  
8FS(EP3)  
EP6DTS(5FY)



#### CONTENTS :

- A – camshaft setting tool (inlet)
- B – camshaft setting tool (exhaust)
- C – camshaft setting tool
- D – camshaft setting clamp
- E – crankshaft locking pin
- F – chain tensioner tool
- G – M10 screw\*4

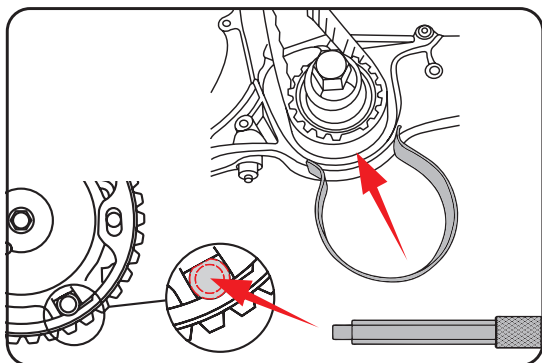
# PSA PEUGEOT CITROËN

## Petrol Engine Timing Set

### 9AT1021E

- The set includes special flywheel tools and cam/ crankshaft timing pin
- Use to replace timing belt engines of:  
1.0 / 1.1 / 1.4 / 1.6 / 1.6VTS / 1.8 16v / 2.0 / 2.0 16V / 2.2
- Include PSA "EW coded" twin-cam 16v engine and HPI versions
- Suitable for PSA Peugeot / Citroen engines

2164 1 / 10



#### CONTENTS :

- A – timing belt retaining tool
- B – tensioner adjusting tool
- C – flywheel locking tool
- D – flywheel holding tool
- E – flywheel plate locking tool
- F – flywheel locking tool
- G – flywheel locking tool
- H – tensioner locking tool
- I – tensioner locking tool
- J – timing pin



# PSA PEUGEOT CITROËN

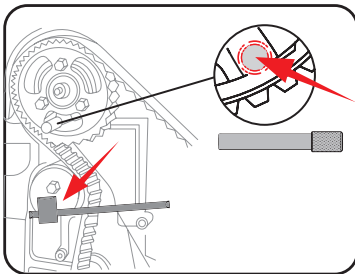
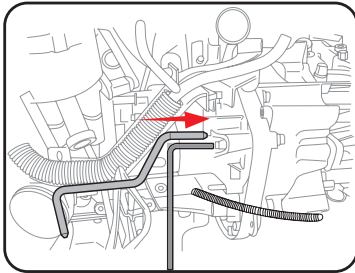
## Diesel Engine Timing Set



9AT2026E

- The set includes special flywheel tools and cam/ crankshaft timing pin
- Use to replace timing belt engines of:  
1.4Hdi / 1.5D / 1.6Hdi / 1.9D / 2.0Hdi / 2.0DHDi 16V / 2.2Hdi / 2.5D Turbo
- Suitable for PSA Peugeot / Citroen engines

3180 1 / 3



### CONTENTS :

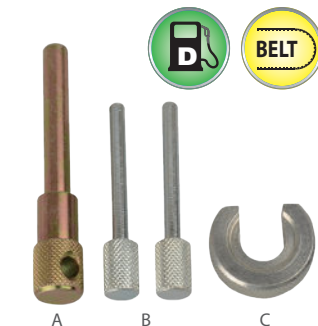
- A - flywheel pulley puller
- B - flywheel locking tool
- C - tensioner tool
- D - M8 x 80mm screw
- E - flywheel locking pin
- F - flywheel locking tool
- G - flywheel locking tool
- H - flywheel timing tool
- I - tensioner tool
- J - timing pin
- K - timing belt retaining tool
- L - tensioner locking pin
- M - special locking tool

# PSA PEUGEOT CITROËN

## Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



### CONTENTS :

- A - TDC timing pin
- B - flywheel locking pin (2pc)
- C - tensioner retaining tool

112 12 / 120

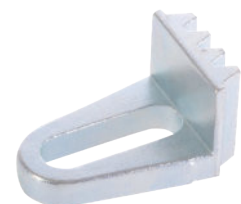
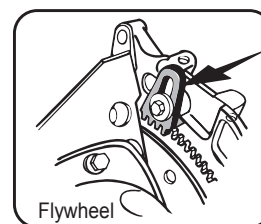
MODEL: 2.8D/Tdi/Hdi  
Relay / Jumper (01-06)  
Boxer (00-06)

ENGINE: 8140.43  
8140.43S  
8140.63

## Petrol & Diesel Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing



64 25 / 100

MODEL: Petrol 1.0 to 2.0 TU / XU (Belt)  
XU 1.6 to 2.0  
Diesel 1.50 to 2 .50 TUD / XUD (Belt)  
XU1.6 to 2.0  
XD1.8D to 1.9D



# FIAT

## Petrol Engine Setting & Locking Set



### 9AT1002E

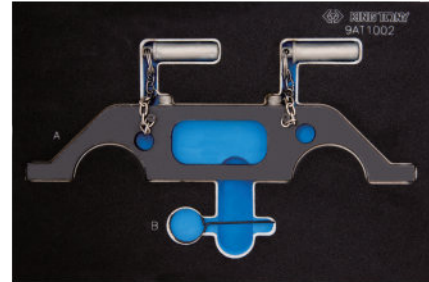
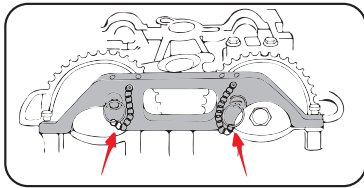
- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engines
- Use to lock the camshafts on the correct timing position



1510 1 / 10

MODEL: Petrol 2.2 16v. Twin Cams(Chain)  
Croma (05-09)

ENGINE CODE: Petrol 2.2 16v. Twin Cams(Chain)  
194A1.000



- CONTENTS :
- A - camshaft setting tool
  - B - tensioner retaining pin

# FIAT

## Diesel Engine Setting & Locking Tool Set



### 9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engines
- Use to set and lock engines timing



1360 1 / 10

Diesel  
1.6JTD / 1.9JTD / 2.0JTD / 2.4JTD Multijet(Belt)  
Punto (99-06), Grande Punto (05-09)  
Idea (04-08), Brava/Bravo (98-02)

MODEL: Linea (07-09), New Bravo (07-09)  
Marea/Weekend (99-03), Stilo (01-06)  
Croma (05-09), Multipla (99-07)  
Doblo/Cargo (02-09), Palio Weekend (02-06)  
Sedici (06-09), Strada Pick-Up (03-06)

1.6JTD 16v.  
198A2.000, 198A3.000, 198A6.000  
350A2.000

1.9JTD 8v.  
182B4.000, 182B9.000, 186A6.000  
186A8.000, 186A9.000, 188A2.000  
188A7.000, 188B2.000, 192A1.000  
192A3.000, 192A8.000

1.9JTD 8v.  
192A9.000, 192B4.000, 192B5.000  
199A5.000, 939A1.000, 939A5.000  
939A7.000, 223A7.000

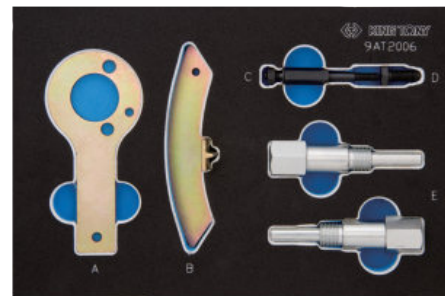
1.9JTD 16v.  
192A5.000, 937A5.000, 939A2.000  
939A8.000

2.0JTD 16v.  
198A5.000

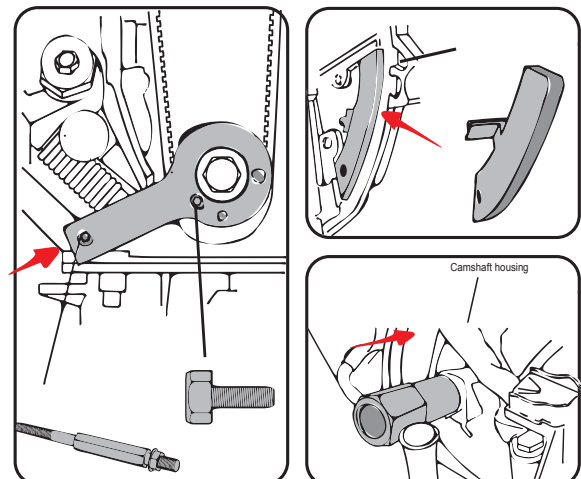
2.4JTD 10v.  
185A6.000

2.4JTD 20v.  
939A3.000

ENGINE CODE:



- CONTENTS :
- A&C&D - crankshaft locking tool
  - B - flywheel holding tool (crank pulley removal)
  - E - camshaft setting tool (pair)

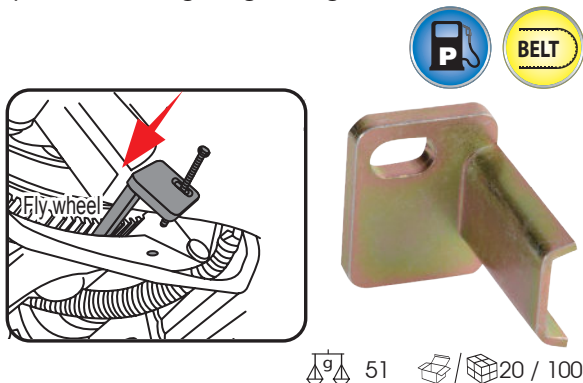


# FIAT

## Petrol Engine Flywheel Holding Tool

### 9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt



51 20 / 100

MODEL: Stilo (01-08), Brava / Bravo (95-02)  
Marea / Weekend (96-03), Multipla (99-09)  
Doblo / Cargo (02-06)

ENGINE CODE: 178B3.000, 182A4.000  
182A6.000, 182B6.000

## Diesel Engine Setting Tool (Belt Drive)

### 9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



#### CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

112 12 / 120

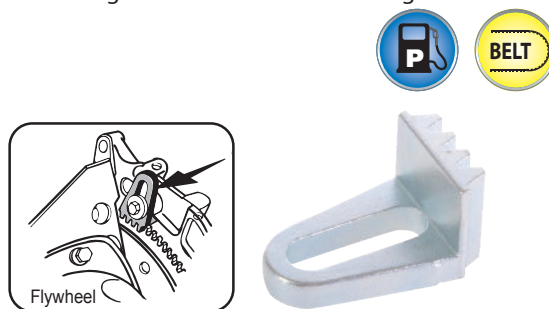
MODEL: 2.5D / 2.5DT / 2.8D / 2.8JTD  
Croma (93-97)  
Ducato (87-06)  
Talento (87-02)

ENGINE CODE: 8140.21, 8140.27, 8140.47R  
8140.43, 8140.43S, 8140.63  
8144.67

## Petrol Engine Flywheel Holding & Locking Tool

### 9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing



64 25 / 100

MODEL: Petrol 1.6 16v. Twin Cams (Belt)  
Stilo



# FORD

## EcoBoost 1.0 Timing Set



### 9AT1026E

- Engine Timing Tool Kit suitable for 1.0 petrol EcoBoost and 1.0 SCTi EcoBoost FORD engines.
- Contains tools vital for setting and locking the engine and for setting the position of the variable cam timing units.

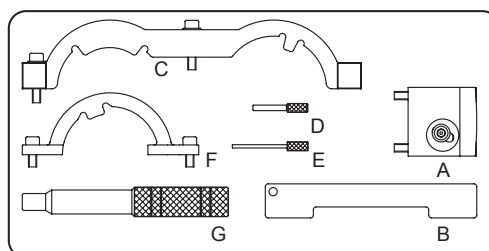
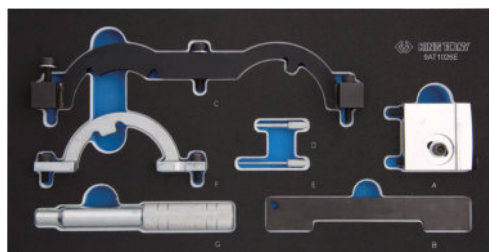
16  
PC.



4.4 kg / 1 / 4

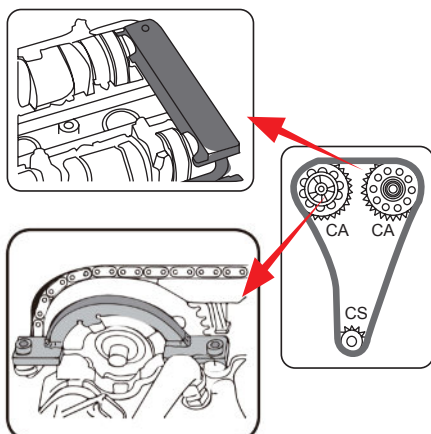
MODEL: Fiesta (2013-2016), EcoSport (2013-2015), B-Max (2013-2016), C-Max (2012-2016), Transit Courier (2012-2016), Transit Connect (2013-2016), Focus (2012-2016), Grand Tourneo Connect (2013-2015), Grand C-Max (2012-2016), Mondeo (2015-2016), Tourneo Connect (2013-2015)

ENGINE: MICA, M1CB, M1DA, M1DD, M1JA, M1JC, M1JE, M1JH, M2DA, M2DB, M2DC, M2GA, P4JC, P4JD, SFCA, SFCB, SFDB, SFJA, SFJB, SFJC, SFJD, P4JA, P4JB, XMJA, XMJB, M1JA



#### CONTENTS:

- A - Inlet Camshaft Adjusting Tool
- B - Camshaft Locking Plate
- C - Camshaft Sensor Locating Tool
- D - Chain Tensioner Locking Pin 4.0mm
- E - Chain Tensioner Locking Pin 2.5mm
- F - Camshaft Sensor Locating Tool
- G - Crankshaft Locking Pin



# FORD

## Petrol Engine Twin Camshaft & Diesel Engine Timing Tool Set



### 9AT1406E

- The set includes VCT setting plate, camshaft setting plate, crankshaft TDC location pin, tensioner locking pin and flywheel locking tools
- Suitable for 16v. Duratec petrol engine of FORD 1.6 Ti-VCT twin camshaft
- Use to adjust VCT timing on inlet and exhaust camshaft during timing belt replacement

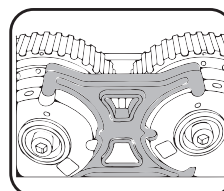
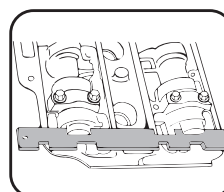


7  
PC.

1640 kg / 1 / 10

MODEL: Focus C-Max (03-08)  
Focus (04-08)  
Mondeo (07-08)

ENGINE CODE: HXDA



#### CONTENTS :

- A&E - flywheel locking tool
- B - camshaft setting plate
- C - crankshaft TDC location pin
- D - tensioner locking pin
- F - VCT setting plate
- G - crankshaft pulley alignment tool



# Diesel Engine Timing and Injection Pump Setting & Locking Set



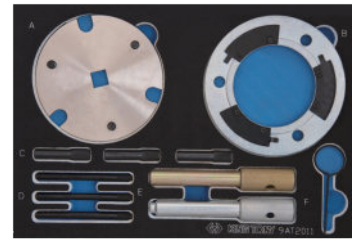
## 9AT2011E

- The set includes sprocket retaining plate, flywheel & tensioner locking pins
- Suitable for chain drive diesel engine of Ford
- Use to install/remove injection pump & set/lock engine timing



1473 1 / 10

MODEL:	Diesel 2.0 / 2.2 / 2.4 TDdi / TDci DURATORQ(CHAIN)
ENGINE CODE:	2.0Ddi ABFA, D3FA, F3FA 2.0 TDdi D5BA, D6BA 2.0 TDci FMBA, FMBB 2.2 TDci QJBA~D 2.4 Ddi D2FA, F4FA 2.4 TDci FXFA, H9FA, JXFA, PHFA



- CONTENTS :
- A – access Cover Removal Plate
  - B – sprocket Retaining Plate
  - C – location Pins (3 PC.)
  - D – locking Pins (3 PC.)
  - E – flywheel Locking Pins (2 PC.)
  - F – tensioner Locking Pin

## FORD

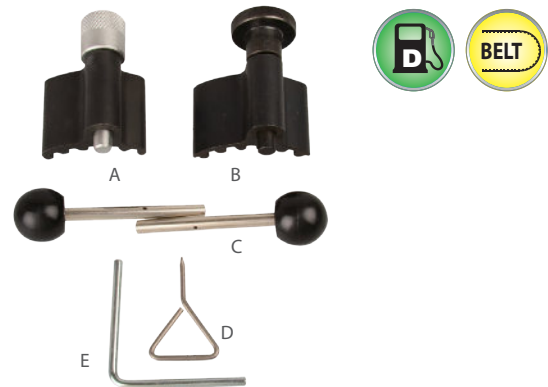
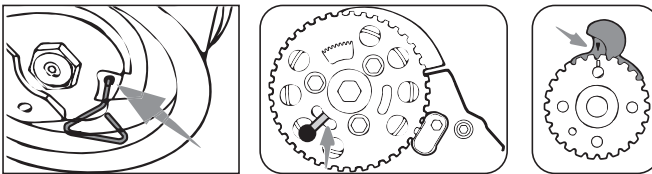
# Diesel Engine Setting/Locking Tool (Belt Drive)

## 9AT2-C01

- The set includes crankshaft (oval / round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4 / 1.9 / 2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

408 10 / 40

MODEL:	Galaxy 1.9
ENGINE CODE:	ASZ / ANU



- CONTENTS :
- A - Crankshaft Locking Tool (Silver / Oval)
  - B - Crankshaft Locking Tool (Black / Round)
  - C - Camshaft Locking Pins (2 pcs)
  - D - Tensioner Pulley Locking Pin
  - E - Auxiliary Belt Tensioner Locking Pin

# Petrol Engine Timing Set – Ford 2.0 EcoBoost



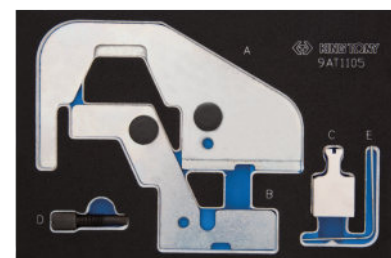
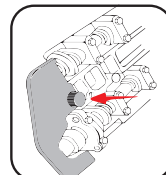
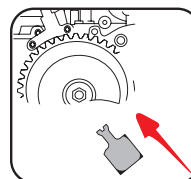
## 9AT1105E

- The set includes cam & crankshaft alignment tool and tensioner locking pin
- Suitable for Ford fitted with SCTi EcoBoost / Ti-VCT 2.0lt direct injection engines
- Camshaft tool use for vehicles manufactured **May 2011 and after May 2011**



1745 1 / 10

MODEL:	Galaxy(2010-), Mondeo(2010-) S Max(2010-), Focus(2011-)
ENGINE CODE:	Galaxy 2.0 TNWA, TNWB, TPWA Mondeo 2.0 TNBA, TPBA S Max 2.0 TNWA, TNWB, TPWA Focus 2.0 MGDA, XQDA



- CONTENTS :
- A – camshaft alignment plate
  - B – camshaft alignment plate
  - C – crankshaft locking tool
  - D – crankshaft timing pin
  - E – tensioner locking pin



# FORD

## Petrol & Diesel Engine Flywheel Holding Set

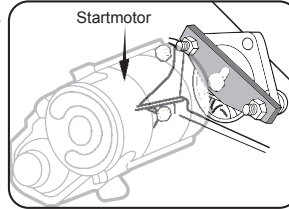
### 9AT3-E01

- Lock crankshaft in timed position by locating into flywheel
- Suitable for counter-holding crankshaft when releasing or tightening crankshaft pulley bolt



373 / 36 / 36

**MODEL:**  
**1.8 TDi / TDdi / TDCi Petrol Engines(Belt)**  
 Fiesta / Courier, Tourneo Connect,  
 Focus C-Max, Mondeo, S-Max, Galaxy,  
 Transit Connect  
**2.0TDCi Diesel Engines (Belt)**  
 Focus / C-Max, S-Max, Galaxy  
**1.6Ti-VCT Petrol Engines(Belt)**  
 Focus, Mondeo, Focus C-Max



**ENGINE CODE:**  
**1.8 TDi / TDdi / TDCi Petrol Engines(Belt)**  
 RTN, RTQ, RTP, BHDB, BHPA, C9DA, C9DB  
 C9DC, F9DA, F9DB, FFBA, FFDA, FFWA  
 HPCA, HPCB, P7PA, P9PA, QYBA, QYWA  
 R2PA, R3PA, RWPA, KKDA  
**2.0TDCi Diesel Engines (Belt)**  
 AZWA, G6DA, G6DB, G6DC, QXWA  
**1.6Ti-VCT Petrol Engines(Belt)**  
 HXDA

# IVECO

## Diesel Engine Setting Tool (Belt Drive)

### 9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen/Peugeot, Vauxhall/Opel



**CONTENTS :**

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool



112 / 12 / 120

**MODEL:**  
**2.5D/2.8D**  
 Daily (91-06)  
 Turbo Daily (94-00)

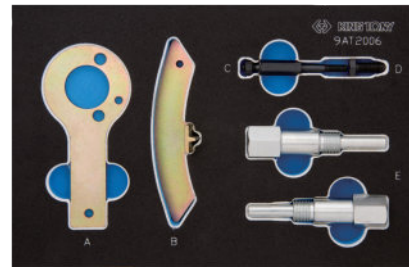
**ENGINE CODE:**  
 8140.07, 8140.27S, 8140.47  
 8140.47R, 8140.67F, 8140.97  
 8140.23, 8140.43C, 8140.43S

# LANCIA

## Diesel Engine Setting & Locking Set

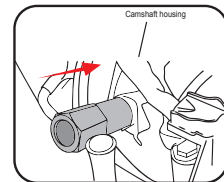
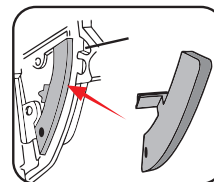
### 9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engines timing



**CONTENTS :**

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)



1360 / 1 / 10

**MODEL:**  
**2.0JTD / 2.2JTD(Belt)**  
 Lybra (99-07)  
 Musa (04-09)  
 Kappa (98-02)  
 Thesis (02-07)

**ENGINE CODE:**  
**1.9JTD 8v.**  
 323.02, 371.01, 188B2.000, 937A2.000

**2.4JTD 10v.**  
 838A8.000, 839A5.000, 839A6.000

**2.4JTD 20v.**  
 841C.000, 841D.000, 841G.000, 841H.000

## Petrol Engine Flywheel Holding Tool

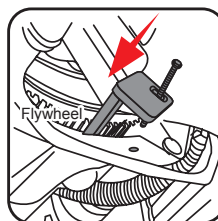
### 9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt

1753 20 / 100

MODEL: Delta (96-99)  
Lybra (99-06)

ENGINE CODE: 182A4.000  
182A6.000



# LAND ROVER

## Diesel Engine 2.0 / 3.0 Timing Set

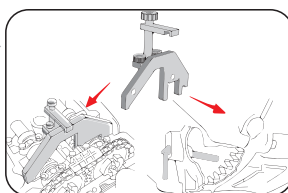
### 9AT2007E

- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

1753 1 / 10

MODEL: Diesel (Chain)  
Freelander (00-06)  
Td4 (2.0d)  
Range Rover (02-06)  
Td6 (3.0d)

ENGINE CODE: Diesel (Chain)  
204D3 / Td4  
(2.0 M47:BMW)  
306D1 / Td6  
(3.0 M27:BMW)



#### CONTENTS :

- A – camshaft setting plate
- B – camshaft plate locking tool
- C – TDC timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin



## Diesel Engine 2.5TDS Timing Set

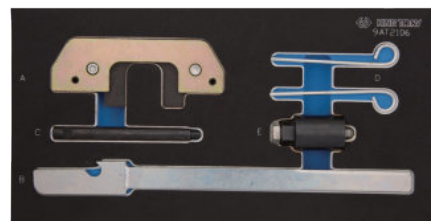
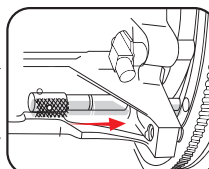
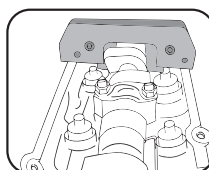
### 9AT2106E

- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chains in position when the pump is removed

2480 1 / 5

MODEL: 2.5D Turbo (Chain)  
Range Rover (94-02)

ENGINE CODE: 256T M51



#### CONTENTS :

- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)



# LAND ROVER

## Diesel Injection Pump Puller

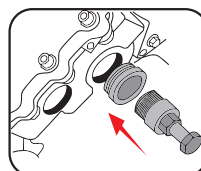
### 9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines

528   6 / 36

MODEL: Freelande r (00-06)  
Td4 (2.0cd)  
Range Rover (02-06)  
Td6 (3.0cd)

ENGINE CODE: 204D3 / Td4  
(2.0 M47:BMW)  
306D1 / Td6  
(3.0 M57 : BMW)

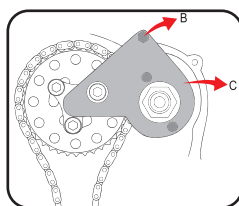
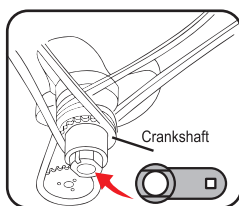


# RENAULT

## Diesel Engine Setting & Locking Set

### 9AT2008E

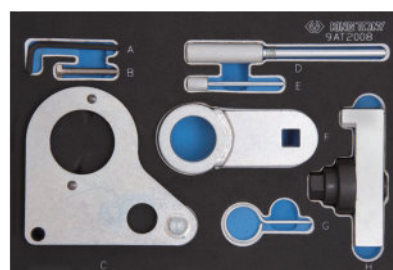
- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



2376   1 / 5

MODEL: Megane II (07-09)  
Scenic / Grand Scenic (08-09)  
Laguna II (01-05)  
Vel Satis (05-09)  
Espace / Grand Espace (08-09)  
Koleos (08-09)  
Trafi c (07-09)

ENGINE CODE: 2,0 dCi M9R  
700, 721, 722, 724, 740, 742, 746, 760  
761, 780, 802, 803, 805, 830, 832, 833



#### CONTENTS :

- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin



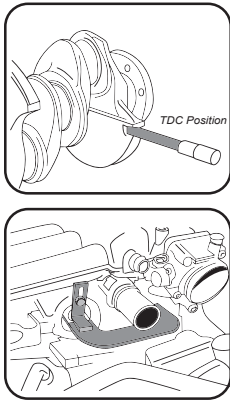


# RENAULT

## Petrol Engine Timing Locking Set-2.0 16V IDE - F5R

### 9AT1-A03

- The set includes crankshaft timing pin and camshaft setting plate, to aid timing belt replacement
- Suitable for Renault 2.0 IDE twin cam petrol engines found in Laguna and Megane vehicles



511 10 / 30

MODEL: Megane (99-03)  
Laguna II (01-05)

ENGINE CODE: F5R700, 701, 740

## Diesel Engine Setting Tool (Belt Drive)

### 9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



112 12 / 120

MODEL: 2.5D / 2.5D Turbo / 2.8dTi / 2.8dCi  
Traffic (98-00)  
Master (98-07)

ENGINE CODE: S8U  
720, 722, 730, 731, 742, 748  
750, 752, 770, 772, 780, 782  
S9U  
700, 702, 704, 714, 740  
S9W  
206, 208, 212, 700, 702

## Petrol & Diesel Engine Timing Set(dCi Engines)

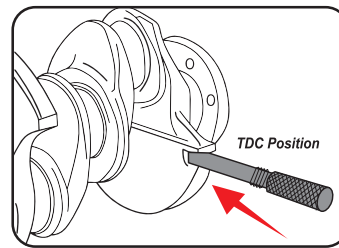
### 9AT3-A03

- The set includes camshaft / crankshaft locking pin and TDC timing pin
- Used for timing belt replacement
- Suitable for Renault 1.5 and 1.9 dCi diesel and petrol engine



#### CONTENTS :

- A - crankshaft Locking Pin
- B - TDC Timing Pin
- C - camshaft/Crankshaft Locking Pin



RENAULT (Belt)

220 10 / 100

#### Diesel

Clio 1.5 dCi (01-08)  
Clio 1.9 DTi (99-03)  
Espace 1.9 TDi (97-02)  
Kangoo 1.5 dCi (04-08)  
Kangoo 1.9 DTi (99-03)  
Laguna 1.9 DTi (97-03)  
Megane II 1.5 dCi (02-05)

MODEL: Megane 1.9 D / TD / TDi (95-03)  
Scenic II 1.5 dCi (02-05)  
Scenic 1.9 TD (95-99)

#### Petrol

Clio 1.8 (92-01)  
Espace 2.0 (92-01)  
Laguna 1.8 (92-01)  
Megane, 2.0 (96-99)  
R19 1.8 (92-01)  
F3R Scenic 2.0 (96-99)

ENGINE CODE: Diesel  
K9K  
F8Q  
F9Q  
Petrol  
F3P  
F3R



# RENAULT

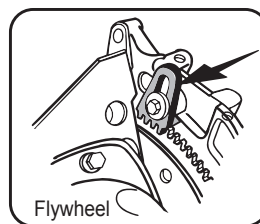
## Petrol & Diesel Engine Flywheel Holding & Locking Tool

### 9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing
- Suitable for petrol and diesel engine

64 25 / 100

MODEL: **Petrol 1.2 to 2.2 (Belt)**  
F3R, F7R, F7P, F3P, E7J  
F8M and F8Q (early)  
**Diesel 1.50 to 2.50 TUD / XUD (Belt)**  
F3R, F7R, F7P, F3P, E7J, F8M and F8Q (early)

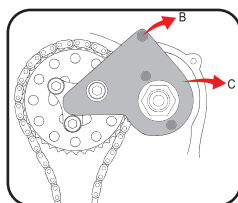
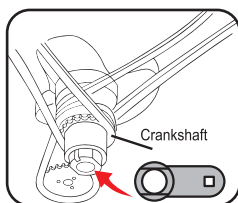


# NISSAN

## Diesel Engine Setting & Locking Tool Set

### 9AT2008E

- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



2376 1 / 5

MODEL: Primastar (08-09)  
Qashqai (08-09)  
X-Trail (07-08)

ENGINE: M9R  
CODE: 780, 830, 832, 833



#### CONTENTS :

- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin

# ROVER

## Diesel Engine 2.0 / 3.0 Timing Set



### 9AT2007E

- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft

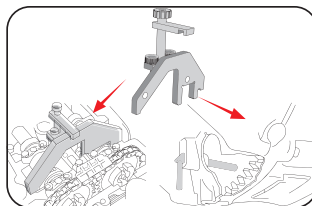


7 PC.

1753 1 / 10

MODEL: Diesel (chain)  
Rover  
75 (99-05)  
MG  
MG ZT (01-05)

ENGINE CODE: Diesel (chain)  
M47R (BMW)



#### CONTENTS :

- A - camshaft setting plate
- B - camshaft plate locking tool
- C - TDC timing pin
- D - tensioner retaining pin set (pair)
- E - flywheel locking pin

# SAAB

## Diesel Engine Setting & locking Set

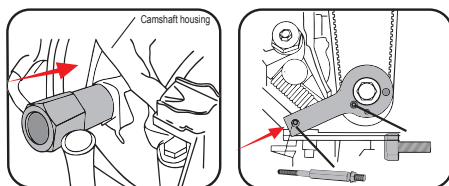


### 9AT2005E

- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing



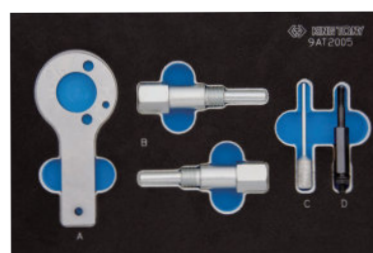
5 PC.



1295 1 / 10

MODEL: Diesel 2.2D T1D  
9-3 (98-04), 9-5 (02-06)

ENGINE CODE: Diesel 2.2D T1D  
Z19DT / Z19DTH



#### CONTENTS :

- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin



# SUZUKI

## Diesel Engine Setting & Locking Set

### 9AT2004E

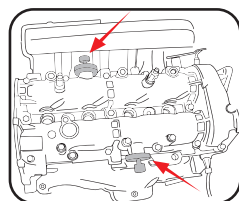
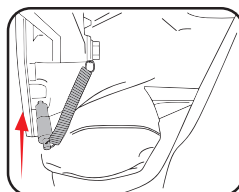
- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolts



1101 1 / 10

MODEL: Diesel 1.3 DDIS (Belt)  
Swift (04-09)  
Ignis (03-09)  
Wagon R+ (03-08)

ENGINE CODE: Diesel 1.3 DDIS (Belt)  
Z13DT



#### CONTENTS :

- A- camshaft setting tool set (pair)
- B- flywheel locking pin
- C- tensioner retaining pin



# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

## Petrol Engine Twin Camshaft Setting & Locking Set - VAG 1.4 / 1.6 FSi (Chain)

### 9AT1103E

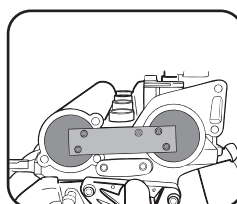
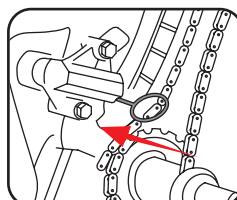
- The set includes camshaft setting plate, TDC position tool (with DTI) and tensioner locking pin
- 9AT1103 'B' TDC positioning tool has to use with 9AT3-F01 (not included in this set)



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**Audi**  
A3 (03-07)  
**Volkswagen**  
MODEL: Polo (02-08), Golf V (03-08), Golf Plus (05-08)  
Jetta (06-08), Passat (05-08), Touran (03-07)  
**Skoda**  
Octavia II (04-08)

**1.4 FSI**  
ENGINE CODE: AXU, BKG, BLN  
**1.6 FSI**  
BAG, BLF, BLP, BTS



- CONTENTS :
- A - camshaft setting plate
  - B - TDC position tool (with DTI)
  - C - tensioner locking pin

# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

## Petrol Engine Setting & Locking Set

### 9AT1104E

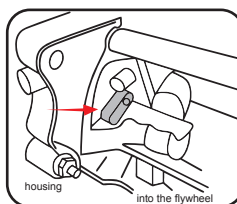
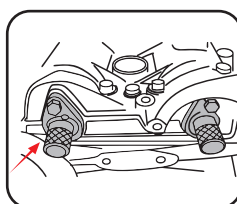
- The set includes a camshaft setting tool set (pair), camshaft setting tool and a flywheel locking pin
- Suitable for VW Group 1.2 engine range
- Use to adjust valve timing



1291 1 / 10

**Seat**  
Ibiza / Cordoba (02-08)  
**Skoda**  
MODEL: Fabia (02-07)  
**Volkswagen**  
Polo (02-07), Fox (05-08), Eos (06-08)

**Petrol 1.2 6v (chain)**  
ENGINE CODE: AWY, BMD  
**Petrol 1.2 6v (chain)**  
AZQ, BME



- CONTENTS :
- A - camshaft setting tool set (pair)
  - B - flywheel locking pin
  - C - camshaft setting tool



# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

## Diesel & Petrol Engine Timing Locking Set



**9AT1012E**

- PETROL :1.6 / 1.8 / 1.8T / 2.0 / 2.0 16v / 2.0FSi (Chain)
- DIESEL :1.7 and 1.9D / DT / SDi / TDi (Belt)



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PETROL / DIESEL :

**Audi**

80 (91-96), A3 (96-08), S3 (99-03)  
A4 (95-08), A6 (94-08), TT (98-05)  
Cabriolet (94-08)

**Seat**

Altea (04-08) Alhambra (95-04),  
Arosa (98-05), Ibiza / Cordoba (93-02)  
Inca (96-04), Leon (99-05), Toledo (94-08)

**Skoda**

Fabia (00-07), Octavia (96-07)  
Superb (02-08)

**VW**

Beetle (99-08), Bora / Golf (94-08)  
Caddy (95-06), Lupo (99-06)  
Passat (96-08), Vento(92-97), Jetta(05-09)  
Polo / Classic (95-02), Sharan (95-08)  
Touran (03-08), Transporter (90-08)

MODEL:

PETROL :

**1.6**

1F, ABM, ADA, ADP, AEH, AEK, AFT,  
AHL, AKL, AKS, ALZ, ANA, APF, ARM,  
AVU, AYD, BFQ, BFS, BFQ, BGU, BSE, BSF

**1.8**

ABS, ADR, ADZ, AGN, AJP, APG, APT, APX,  
ARG

**1.8T**

AEB, AGU, AJH, AJL, AJQ, AMK, ANB,  
APP, APU, APY, AQA, AQX, ARX, ARY, ARZ,  
AUM, AVC, AWC, AWT, AWU, AUQ, AYP,  
BAM

**1.8 16v**

ADL

**2.0**

2E, AAC, AAE, ABF, ABK, ABT, ACE, ADY,  
AEG, AGG, AKT, APK, AQY, ATM, ATU, AWF,  
AWG, AXA, AZH, AZJ, AZL, AZM, BEH

**2.0 16v**

ABF

**2.0FSi / TFSi**

AXW, AXX, BGB, BHD, BLR, BLY,  
BMB, BPJ, BPY, BWA

ENGINE  
CODE:

DIESEL :

**1.7 SDi**

AHB, AHG, AKU, AKW

**1.9D/Turbo**

1Y, AAZ, ABL, AEF

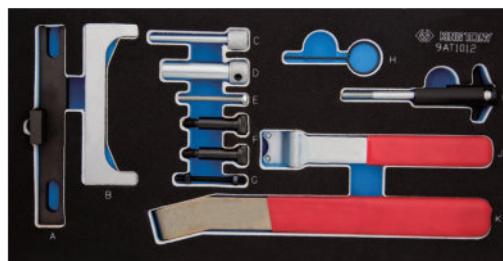
**1.95 SDi**

AEF, AEY, AGD, AGP, AQM, ASX, ASY, AYQ

**1.9TDI**

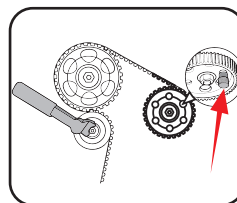
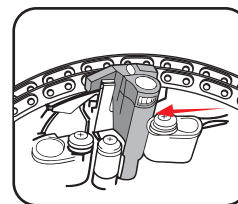
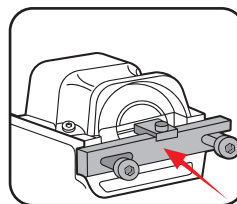
1Z, AAZ, AFF, AFN, AGR, AHF, AHH,  
AHU, ALE, ALH, ASV, AVG

- The set includes injection pump locking tools and cam belt tensioner tools
- Suitable for VAG diesel (1.7 and 1.9D / SDi / TDi) and petrol (1.6 to 2.0) engines , and chain-in-head (1.8 / 1.8T) engine
- Use to replace timing belt and carry out various timing tensioner applications



CONTENTS :

- A&f - camshaft setting plate
- B - camshaft setting plate
- C - injection pump locking pin
- D - injection pump locking pin
- E - fan retaining bolt
- G - tensioner retainer
- H - tensioner lock pin
- I - tensioner retainer
- J - tensioner adjuster
- K - tensioner adjuster



# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

## Petrol Engine Timing Set



**9AT1306E**

- The set includes camshaft setting plate, camshaft sprocket adjusting tool, tensioner adjusting tool, tensioner locking pin and crankshaft locking pin
- Suitable for Audi VAG 3.0 V6 petrol engine
- Use to replace timing belt and carry out timing tensioner applications



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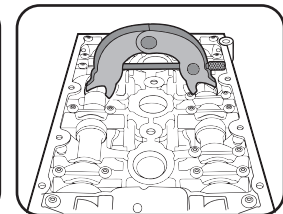
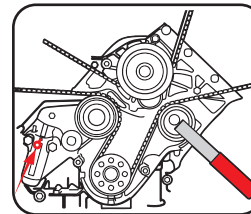
**MODEL:** Audi  
A4 (01-08), A6 (01-08), A8 (03-08)  
Cabrio (03-08)

**ENGINE CODE:** ASN, AVK, BBJ



### CONTENTS :

- A - camshaft setting plate (pair)
- B - crankshaft locking pin
- C - camshaft sprocket adjusting tool
- D - tensioner adjusting tool
- E - tensioner locking pin



# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

## Petrol Engine Setting & Locking Set



**9AT1506E**

- The set includes dial & TDC indicator and camshaft setting tool
- Suitable for 1.2T / 1.4T FSi and 1.4 / 1.6 FSi engines
- Use to check and adjust engine timing



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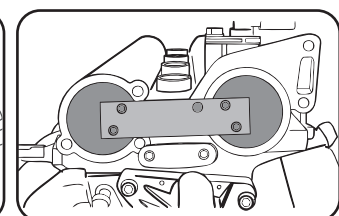
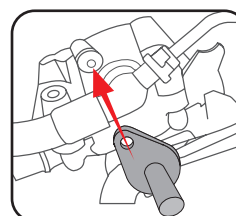
**MODEL:** Audi  
A1(10-12), A3(03-12)  
Seat  
Altea/Altea XL(08-12), Ibiza/Cordoba(08-12)  
Leon(07-12), Toledo(07-09)  
Skoda  
Fabia II(07-12), Octavia II(04-12)  
Roomster(06-12), Superb II(09-12)  
Yeti(09-12)  
VW  
Caddy/ Caddy Maxi(10-12), Eos(06-12)  
Golf(03-12), Golf Plus(03-12), Jetta(06-12)  
Passat(05-11), Polo(02-12), Scirocco(08-12)  
Tiguan(07-12), Touran(03-12)

**ENGINE CODE:** 1.2T FSI  
CBZA, CBZB, CBZC  
1.4T FSI  
BLG, BMY, BWK, CAVA, CAVB, CAVC, CAVD  
CAVE, CAVF, CAXA, CAXC, CDGA, CSMA  
1.4 FSI  
AXU, BKG, BLN  
1.6 FSI  
BAG, BLF, BLP, BTS



### CONTENTS :

- A - camshaft setting plate
- B - TDC indicator
- C - camshaft setting tool
- D - crankshaft locking pin
- E - dial test indicator
- F - tensioner locking pin



# VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

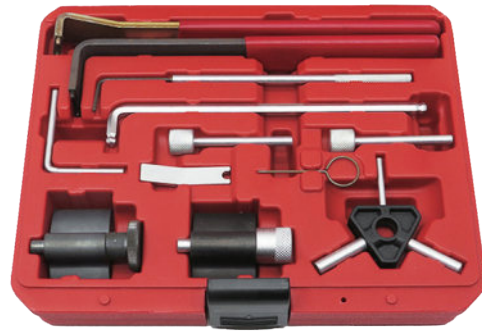
## Diesel Engine Setting & Locking Set - Pumpe Düse

9AT2012E

- The set includes crankshaft & camshaft locking tool, tensioner setting & adjusting tools
- Suitable for belt drive Pumpe Düse diesel engines of VW group vehicles and Ford (Galaxy)
- Use to set & lock engine to make sure timing is in the correct position during timing belt replacement
- Suggestion :  
Check the engine is hydraulic or mechanical tensioner first. (Some of 1.2 1.4 1.9 engines were changed from hydraulic to mechanical.)



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### CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner adjuster (1.2, 1.4 & 1.9)
- E - tensioner adjuster (later 1.9 & 2.0)
- F - tensioner adjust tool (hexagon)
- G - tensioner locking tool
- H - tensioner locking pin (mechanical)
- I - tensioner locking tool (hydraulic)
- J - tensioner setting tool (hydraulic)
- K - auxiliary belt tensioner locking pin

### Audi

A2 (01-06), A3 (01-09), A4 (99-09)  
A5 (08-09), A6 (98-08), TT (08-09)  
Q5 (08-09)

### Skoda

Fabia (00-07), Fabia II (07-09)  
Octavia (00-09), Octavia II (04-09)  
Superb (02-08), Roomster (07-09)

### Volkswagen

Lupo(99-05), Polo(99-07), Fox(05-08)  
Jetta (05-09), Passat (98-09), Beetle (00-09)  
Touran (03-09), Sharan (99-09)  
Caddy (03-09), Golf /Bora(98-08)  
Golf Plus (05-09), Transporter (03-09)

### Seat

Arosa (99-05), Altea XL(04-09)  
Leon (00-09), Toledo (04-09)  
Alhambra (99-09), Ibiza / Cordoba)(02-09)  
**Ford**  
Galaxy (99-06)

MODEL:

### 1.2TDI PD

ANZ, AYZ

### 1.4TDI PD

AMF, ATL, BAY, BHC, BMS, BNM, BNV, BWB

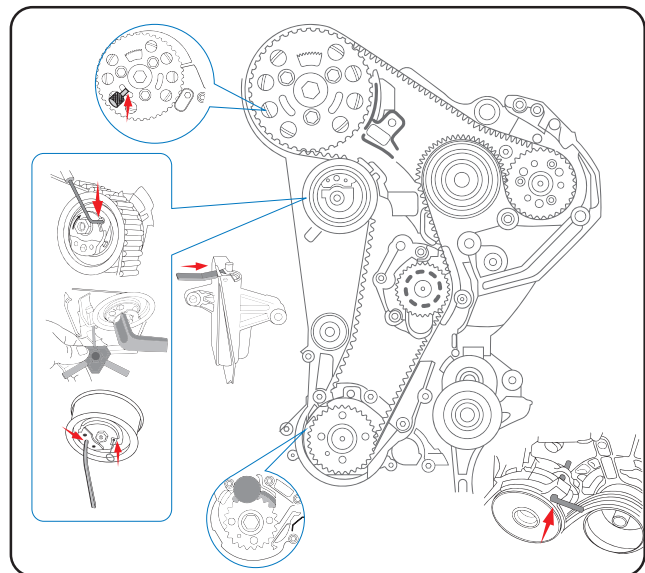
### 1.9TDI PD

AJM, AMG, ANU, ARL, ASZ, ATD, ATJ, AUJ,  
AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW,  
BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM,  
BRR,BRS, BRU, BSU, BSW, BTB, BUK, BVK, BXE,  
BXF

### 2.0TDI PD

AZV, BDJ, BDK, BGW, BHW, BKD, BKP, BLB,  
BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC,  
BRE, BRF, BRT, BUZ, BVE, BVF, BVG, BVH, BWV  
1.9TDI PD (Ford)  
ANZ, ASZ, AUJ

ENGINE  
CODE:





# VW/AUDI

## VW Audi TIMING TOOL Set VAG 1.6/2.0 TDI CR



9AT2010E

- This set designs to fit the newest common rail diesel engine which is significantly different from the older PD engine.
- The CR engines combines belt and the gear drive by using a toothed belt to transfer the drive from the crankshaft to one of the cam shafts, then using gears to transfer the drive from one cam to the other.



2.7 1 / 4

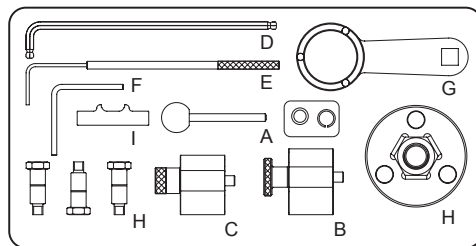
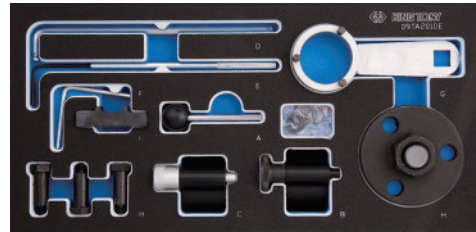
MODEL: Audi A3, A4, A5, A6, Q5  
Volkswagen Golf, Tiguan, Passat, Eos

1.2 TDI  
ANY, AYZ

1.4 TDI  
AMF, ATL, BAY, BHC, BNM, BNV

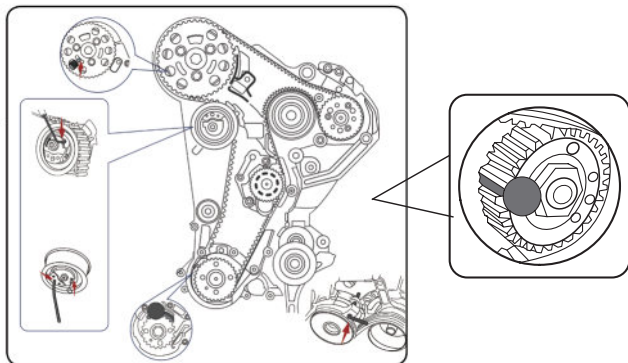
1.9 TDI  
AJM, AMG, ANJ, ARL, ARX, ASZ, ATD, ATJ,  
AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR,  
BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX,  
BRB, BRM, BRU, BSU, BSV, BSW, BTB, BVK,  
BXE, BXF

ENGINE : 2.0 TDI  
AZV, BKD, BDJ, BDK, BGW, BHW, BKP, BLB,  
BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC,  
BRE, BRF, BRT, BSS, BUY, BUZ, BVE, BVF, BVG,  
BVH, BVW



### CONTENTS::

- A - Injection pump/ camshaft alignment pin
- B - Crankshaft pulley locking tool(Bored)
- C - Crankshaft pulley locking tool(Non-bored)
- D - Tensioner pulley adjustment tool(2.4mm Hex Key)
- E - Tensioner pulley locking tool
- F - auxiliary tensioner locking tool(3.9mm)
- G - Sprocket holding tool
- H - Cam sprocket hub puller
- I - Oil Pump /Balancer Shaft Alignment Tool



## VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

### Petrol Engine Camshaft Sprocket Holding Tool

9AT1-A01

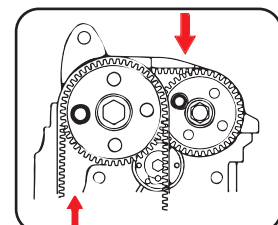
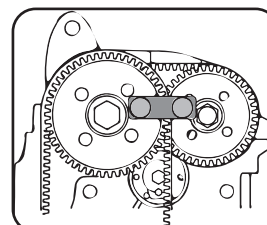
- For locking the camshaft pulleys when changing the toothed belt
- Engine repairs on 16-valve 1.4/1.6L FSi twin cams injection engine

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Audi  
A2 (00-06)  
Seat  
Arosa (99-05), Ibiza / Cordoba (99-08)  
Leon (99-05), Toledo (99-05), Inca (00-04)

MODEL: Skoda  
Fabia (99-07), Octavia (00-08)  
Volkswagen  
Lupo (98-05), Polo (98-07),  
Golf / Bora (97-08), Beetle (01-08)  
Caddy (99-08)

ENGINE CODE: AFK, AHW, AJV, AKQ, APE, AQQ, AUA, AUB,  
AXP, ARC, ATN, AUS, AVY, AZD, ARR, BBY,  
BBZ, BCA, BKY, BAD, BCB



# Petrol Engine Chain Tensioner Retainer

## 9AT1-A04

- Use to hold the chain tensioner in position when removing or installing timing chain
- Suitable for a variety of VAG chain drive engines

46 12 / 192

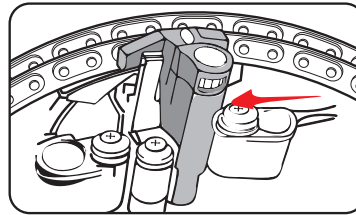
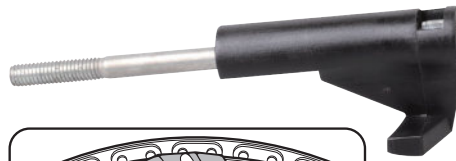
MODEL: A3, A4, A6, A8, S3, S4, TT, etc

**Audi**

AHA, AMB, AMU, APB, ART, ATC, ATQ, AWM,

ENGINE CODE: AWN, AWP, BBD, BCY, BEA, BEL, BFM

**VW**  
AHA, APH, ATQ, AUG, AWM, AWP, AWV, BKF, BNU



# Diesel Engine Setting/Locking Tool (Belt Drive)

## 9AT2-C01

- The set includes crankshaft (oval/round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4/1.9/2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

408 10 / 40

MODEL:

**Audi**

A2 1.4 (02-06), A3 1.9/2.0 (02-08), A4 1.2 (02-05), A4 1.9/2.0 (02-05), A6 1.9 (20-05)

**VW**

Beetle 1.9 (02-08), Bora 1.9 (02-08), Fox 1.4 (02-08), Golf 1.9 (02-08), Lupo 1.4 (02-08)

Polo 1.4/1.9 (02-08), Sharan 1.9 (20-08), Jetta 2.0 (03-), Passat 2.0 (03-), Touran 2.0 (03-)

**Seat**

Altea 1.9 (05-08), Leon 1.9/2.0 (05-08), Toledo 1.9 (05-08)

**Skoda**

Octavia II 2.0 (03-06), Fabia 1.4 (03-06)

ENGINE CODE:

**Audi**

AMF, ASZ, ATD, AVB, AVF, AWX, AXR, AZV, BHC, BKC, BKD, BKE, BLB, BMN, BNA, BPW, BRB, BRC, BRD, BRE, BRF, BUY, BVA, BVF, BVG

**VW**

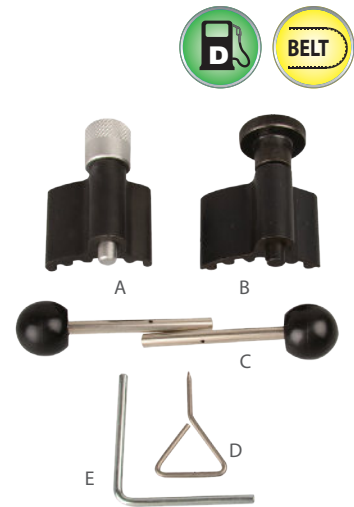
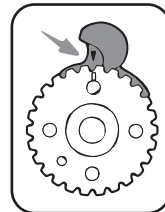
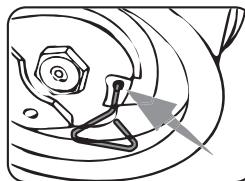
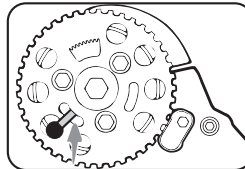
AJM, AMF, ANU, ARL, ASZ, ATD, AUY, AVB, AVF, AWX, AXR, BAY, BMS, BNM, BNZ, BWB

**Seat**

BJB, BKC, BLS, BMM, BXE

**Skoda**

AMF, AZV, BKD



CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner pulley locking pin
- E - auxiliary belt tensioner locking Pin

# VAUXHALL/OPEL

## Petrol Engine Setting & Locking Set

## 9AT1002E

- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engine
- Use to lock the camshafts on the correct timing position

1510 1 / 10

MODEL:

**Petrol 2.2 16v. Twin Cams(Chain)**

Astra-G (00-06)

Astra-H (06-09)

Speedster / VX220 (00-06)

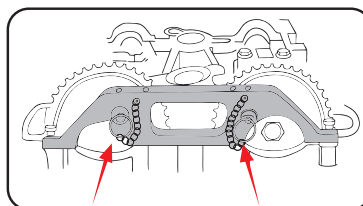
Vectra-B+C (00-08)

Signum (03-08)

Zafira-A+B (00-09)

ENGINE CODE:

Z22SE, Z22YH



CONTENTS :

- A - camshaft setting tool
- B - tensioner retaining pin



# VAUXHALL/OPEL

## Petrol Turbo Engine Timing Set



9AT1007E

- The setting & locking set covers a wide range of Vauxhall/Opel and Chevrolet petrol engine.
- Include the necessary tool for setting and locking the camshaft and crankshaft for locking the timing chain tensioner. 2.4 1 / 4

7  
PC.



**MODEL:**

**Cadillac :** ELR (2014).  
**Chevrolet :**  
 Aveo (2011-2015), Cruze (2011-2015),  
 Volt (2012-2014), Trax (2013-2015),  
 Orlando (2011-2015).  
**Holden:** Volt (2012-2014).  
**Vauxhall / Opel:**  
 Agila (2000-2003), Agila-B (2008-2010),  
 Adam (2012-2015), Ampera (2011-2015),  
 Corsa-C (2000-2014), Corsa-D (2006-2014),  
 Insignia (2011-2015), Meriva-B (2010-2015),  
 Mokka (2012-2015), Zafira-C Tourer (2012-  
 2015),  
 Cascada (2013-2015), Astra-J (2009-2015).

**1.0 / 1.0 Ecoflex**

A10XEP

**1.2 / 1.2 Ecoflex**

A12XEL, A12XER, LWD/A12XEL, L2Q/A12XEL,  
 LWD/B12XEL

**1.4 / 1.4 Ecoflex**

A14XER, LUJ/A14NET, LDD/A14XEL, LDD/  
 A14XER,

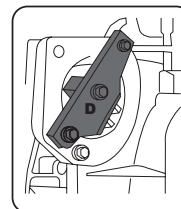
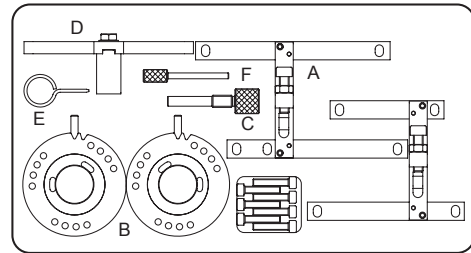
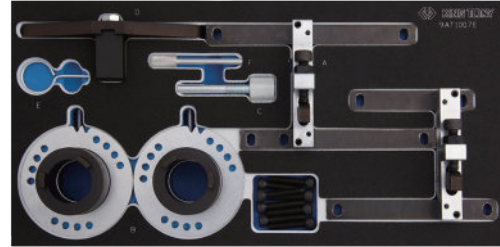
**ENGINE :** LDD/A14XEL, A14XEL, L2Z/A14XEL, LDD/  
 B14XEJ,  
 LDD/B14XEL, LDD/B14XER, LUJ/B14NEH,  
 LUJ/B14NEL, LUJ/B14NET, LDD, LUU,  
 LUH/A14NEL

**1.4 Turbo**

LUJ/A14NEL, LUJ/A14NET, LUJ/B14NET

**1.6**

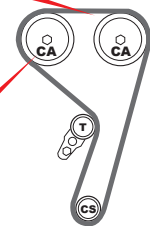
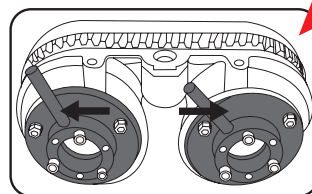
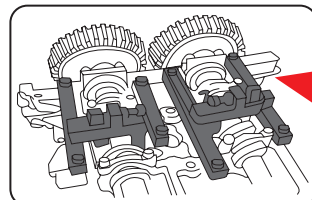
LDE/A16XER, LDE/B16XER



**CONTENTS:**

- A - Camshaft Locking Tool Set
- B - Camshaft VVT Adjustment Tool Set
- C - Crankshaft Setting Pin
- D - Flywheel Locking Tool
- E - Tensioner Locking Pin
- F - Crankshaft Pulley Positioning Pin

- Remove the starter motor and fit component D in the starter aperture so that its tooth locks the flywheel



# VAUXHALL/OPEL

## Petrol & Diesel Engine Tensioner Adjustment Wrench (Via Water Pump)

9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engine



2  
PC.

695 6 / 24

**MODEL:**

**9AT1202 - A(46MM)**

**Petrol / 1.8 and 2.0 S.O.H.C**

Astra F, Calibra, Frontera C18NZ, C20NE

**Diesel / 1.6D and 1.7D**

Astra, Cavalier, Vectra 16DA, 17D

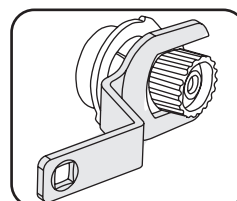
**9AT1202 - B(41MM)**

**Petrol / 1.2 / 1.4 / 1.6 S.O.H.C**

Corsa B / C, Combo, Astra-F, Vectra-B

C12NE, X12SZ, C14NZ, X14NZ, C14SE

X14SZ, X16SZ, X16SZR, Z16SE



**CONTENTS :**

- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)



# VAUXHALL/OPEL

## Diesel Engine Setting & Locking Set

### 9AT2004E

- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolt



1101 1 / 10

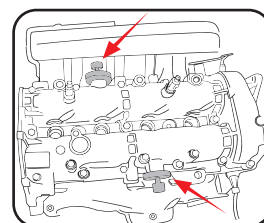
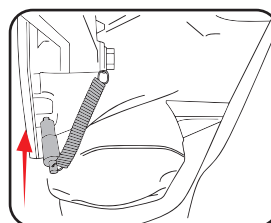
**MODEL:** Diesel 1.3D CDTi (Chain)  
 Agila (03-08), Agila-B (08-09)  
 Corsa / Combo-C (03-09), Corsa-D (08-09)  
 Tigra-B(04-09), Meriva (04-09)  
 Astra-H (05-09)

**ENGINE CODE:** Diesel 1.3D CDTi (Chain)  
 Z13DT, Z13DTH, Z13DTJ



#### CONTENTS :

- A - camshaft setting tool set (pair)
- B - flywheel locking pin
- C - tensioner retaining pin



# VAUXHALL/OPEL

## Diesel Engine Setting & Locking Set

### 9AT2005E

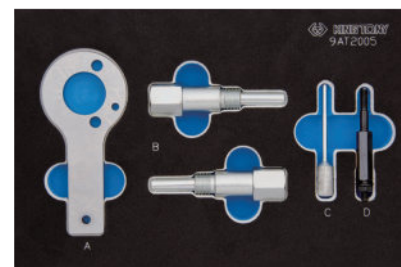
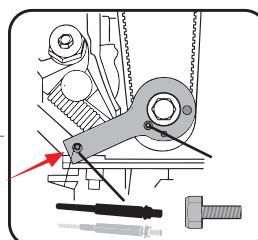
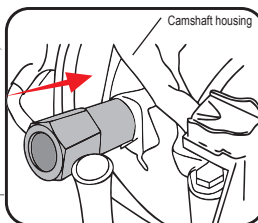
- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing



1295 1 / 10

**MODEL:** Diesel 1.9D CDTi / 2.0D CDTi(Belt)  
 Astra-H (04-09), Vectra-C(04-08)  
 Signum (04-08), Zafira-B (05-09)  
 Insignia (08-09)

**ENGINE CODE:** Diesel 1.9D CDTi / 2.0D CDTi(Belt)  
 1.9CDTi  
 Z19DT, Z19DTH, Z19DTJ, Z19DTL  
 2.0CDTi  
 A20DT, LBS, A20DT, LBX, A20DT, LBV  
 A20DT, LCD



#### CONTENTS :

- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin



# VAUXHALL/OPEL

## Diesel Engine 2.0 / 3.0 Timing Set



### 9AT2007E

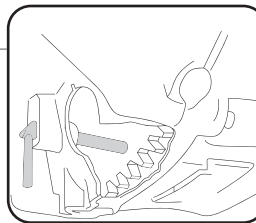
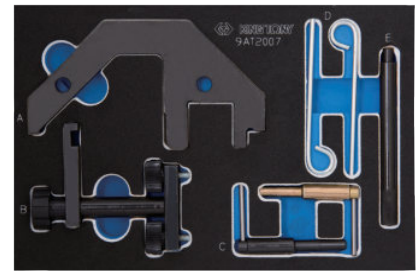
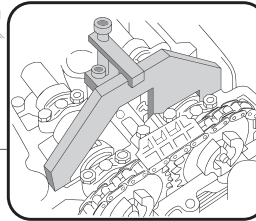
- The set includes camshaft setting plate, tensioner retaining pin set and flywheel locking pin
- Suitable for BMW 2.0 and 3.0 liters common rail diesel engines in BMW 3, 5 & 7 Series, X5, Land Rover Freelander, Range Rover, Rover 75, Vauxhall / Opel
- Use to check and adjust the timing position of camshaft and TDC position of crankshaft



1753 1 / 10

MODEL: Diesel (Chain)  
Omega-B(01-03)

ENGINE CODE: Diesel (Chain)  
Y25DT



#### CONTENTS :

- A – camshaft setting plate
- B – camshaft plate locking tool
- C – tdc timing pin
- D – tensioner retaining pin set (pair)
- E – flywheel locking pin

# VAUXHALL/OPEL

## Diesel Engine Setting & Locking Set



### 9AT2008E

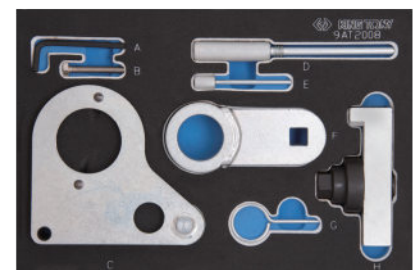
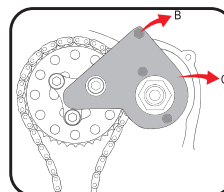
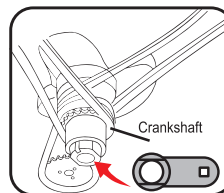
- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



2376 1 / 5

MODEL: Vivaro (07-08)

ENGINE CODE: M9R  
780/782/784



#### CONTENTS :

- A&H – camshaft gear alignment tool
- B&C – camshaft setting plate
- D – crankshaft locking pin
- E – auxiliary belt tensioner locking pin
- F – crankshaft pulley holding tool
- G – chain tensioner locking pin



# VAUXHALL/OPEL

## Diesel Engine 2.5TDS Timing Set



**9AT2106E**

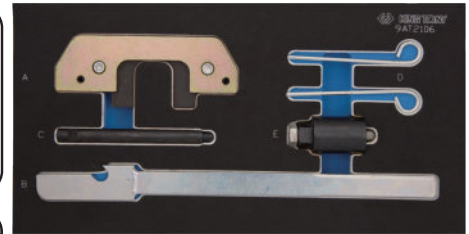
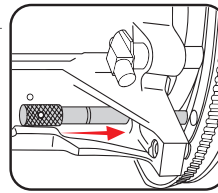
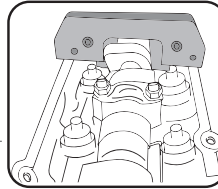
- The set includes camshaft setting plate , tensioner lever , tensioner retaining pin , flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chain in position when the pump is removed



2480 1 / 5

MODEL: Omega-B (94-01)

ENGINE CODE: 2.5D Turbo (Chain) X25DT



CONTENTS :

- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)

## Diesel Engine Setting Tool (Belt Drive)

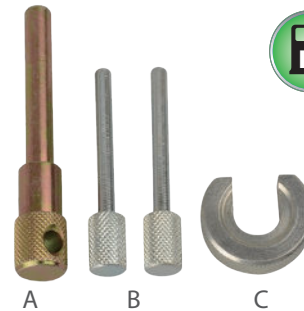
**9AT2-A01**

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

112 12 / 120

MODEL: 2.5D / 2.8D  
Arena (97-01)  
Movano (98-03)

ENGINE CODE: S8U  
770, 772  
S9W  
700, 702



CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

## Diesel Injection Pump Puller

**9AT2-D01**

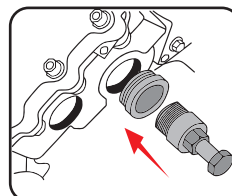
- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines



528 6 / 36

MODEL: Omega - B (01-03)

ENGINE CODE: Y25DT



# VAUXHALL/OPEL

## Petrol Engine Flywheel Holding & Locking Tool

### 9AT2-E01

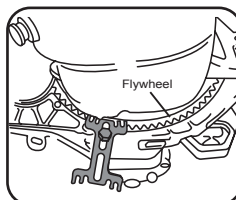
- Use to remove the crankshaft pulley while replacing the timing belt
- Put into the teeth firstly, fix steadily on the housing according to manufacturer's guidelines



39 / 20 / 100

MODEL: Astra (86-91)  
Astra-F + G (91-98)  
Ascona-C / Cavalier (86-88)  
Vectra A (89-95)

ENGINE CODE: 16DA, 17D, 17DR, 17DTL



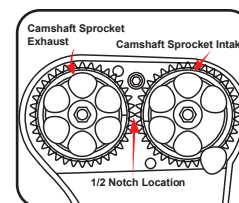
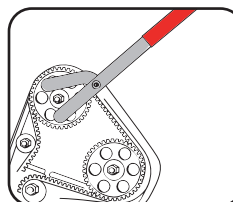
# UNIVERSAL

## Camshaft & Injection Pump Sprocket Holding Tool

### 9AT3-A01

- Use to counter hold camshaft or injection pump sprocket to release the retaining bolt
- For universal diesel and petrol engine

912 / 6 / 24



# UNIVERSAL

## Universal Camshaft Pulley Holding Wrench

### 9AT3-A02

- Use to hold camshaft pulley while loosening and tightening cam sprockets center bolt
- Designed with 4 pair groove pins 7, 10, 14, 16mm
- Adjustable swivel jaw both side application for most engine
- Capacity : 40 ~ 140mm (1-1/2" ~ 8-5/8")
- For universal engine, especially O.H.C. overhead cam engines cars

1000 / 1 / 6



9 PC.




# UNIVERSAL

## Camshaft Sprocket Puller

### 9AT3-A04

- Use to hold and remove the camshaft sprocket without damaging the sprocket
- Use with 3/8" square drive tool or 19mm wrench
- Suitable for most sprockets from Ø60 to Ø100 mm



KT NO.	Capacity mm		
9AT3-A04	60~100	1437	1 / 12

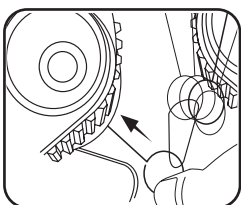
# UNIVERSAL

## Belt Tensioner Lock Pin Set

### 9AT3-B01

- Designed for retaining tensioner plunger in fixed position while replacing timing belt
- Suitable for common vehicle and engine

 17  20 / 100



- CONTENTS :
- 0.79mm / .0310"
  - 1.21mm / .0476"
  - 1.41mm / .0560"
  - 1.51mm / .0594"
  - 1.71mm / .0670"
  - 1.92mm / .0760"

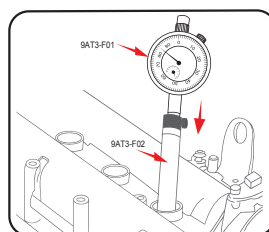
# UNIVERSAL

## Dial Test Indicator

### 9AT3-F01

- Use to measure and accurately find the piston TDC position
- This tool has to use with TDC Indicator 9AT3-F02
- It can be used for mechanical circularity, flatness.....etc

 63  1 / 100



# UNIVERSAL

## TDC Indicator

### 9AT3-F02








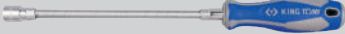
- Use to measure if the cylinder piston is at TDC position
- This tool has to use with Dial Test Indicator 9AT3-F01

 292  1 / 30





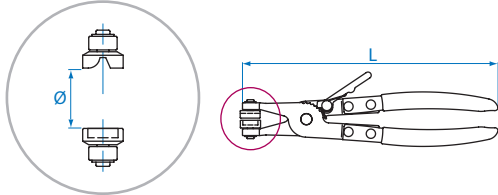


Hose Clamp	KT Item	Suitable Car Brand
 <p data-bbox="293 1144 430 1173">Hose Clamp</p>	 <p data-bbox="679 409 743 432">9AA11</p> <p data-bbox="679 544 743 566">9AA13</p> <p data-bbox="679 678 743 701">9AA16</p> <p data-bbox="679 813 743 835">9AA21</p> <p data-bbox="679 969 743 992">9AA31</p> <p data-bbox="679 1171 743 1193">9AA32</p>	<p data-bbox="999 701 1390 779">Universal VW(Intake), VW, Audi, Opel, Honda, Ford</p>
 <p data-bbox="300 1368 437 1397">Hose Clamp</p>	 <p data-bbox="679 1346 743 1368">9AA17</p>	<p data-bbox="999 1290 1390 1319">VW, Audi, Seat, Skoda, Lamborghini</p>
 <p data-bbox="213 1581 347 1610">CLIC Clamp</p> <p data-bbox="389 1581 539 1610">CLIC-E Clamp</p> <p data-bbox="197 1805 347 1834">CLIC-R Clamp</p> <p data-bbox="395 1805 545 1834">CLIC-GR Clamp</p>	 <p data-bbox="679 1615 743 1637">9AA15</p> <p data-bbox="679 1816 743 1839">9AA25</p>	<p data-bbox="999 1592 1390 1671">VW, Audi, Citroen/Peugeot, Fiat, Mercedes-Benz, Opel, Renault, Ford, Volvo</p>
 <p data-bbox="188 2029 338 2058">Screw Clamp</p> <p data-bbox="357 2029 507 2058">Worm Drive Clamp</p>	 <p data-bbox="711 1962 943 2007">1453-05 / 1453-06 / 1453-07 1453-08 / 1453-10</p>	<p data-bbox="1145 1951 1241 1980">Universal</p>

## Straight Hose Clamp Pliers

### 9AA11

- Use to remove and install spring clamp
- Swivel V-shaped jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford

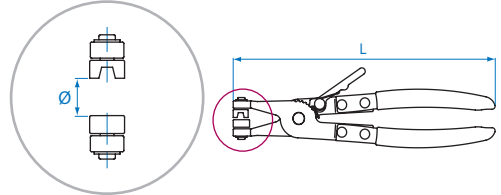


KT NO.	ø mm	inch	L mm			
9AA11	55	8-21/32	220	220	12	72

## Flat Band Hose Clamp Pliers

### 9AA16

- Use to remove and install spring clamp
- Swivel concave jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford

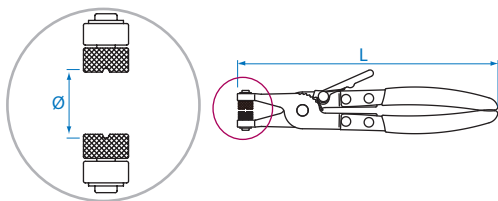


KT NO.	ø mm	inch	L mm			
9AA16	60	8-21/32	220	213	12	72

## Wire Hose Clamp Pliers

### 9AA13

- Use to remove and install wire clamp
- Swivel jaws
- Suitable for universal cars, especially Corbin heater hose

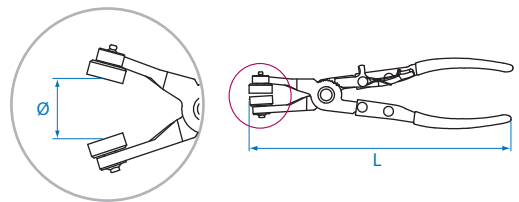


KT NO.	ø mm	inch	L mm			
9AA13	51	8-21/32	220	238	12	72

## Curved Hose Clamp Pliers

### 9AA21

- Use to remove and install spring clamp
- 45° swivel concave jaw with greater access in confined spaces
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford



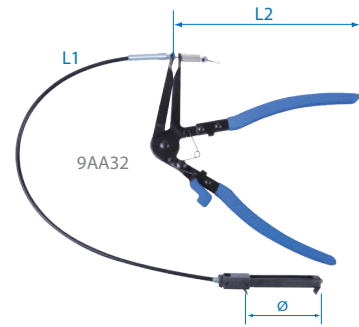
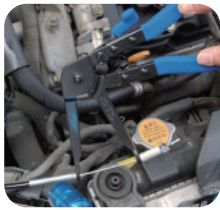
KT NO.	ø mm	inch	L mm			
9AA21	53	8-21/32	220	224	12	48



## Flexible Hose Clamp Pliers

### 9AA31

- Use to remove and install spring clamp
- Flexible flat jaw with greater access in confined spaces
- Suitable for universal cars



KT NO.	∅ mm	inch	L1 mm	inch	L2 mm	g	kg	box
9AA31	53	25	630	9	225	528	12 / 36	
9AA32	77	27-1/4	700	12	310	756	6 / 24	

## CLIC Hose Clamp Pliers

### 9AA15

- Use to remove and install CLIC and CLIC-R clamp
- Special-designed jaws
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz

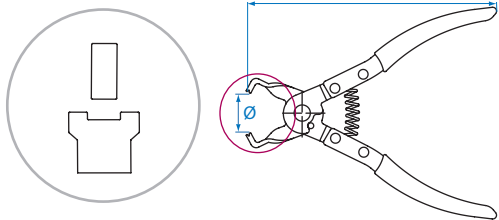
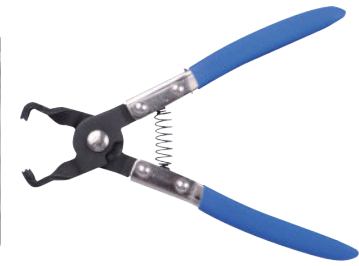


KT NO.	∅ mm	inch	L mm	g	kg	box
9AA15	36	5-19/32	142	223	12 / 72	

## Fuel Line Hose Clamp Pliers

### 9AA17

- Use to remove and install fuel line clamp
- Special pick jaws
- Suitable for VW, Audi, SEAT, Skoda

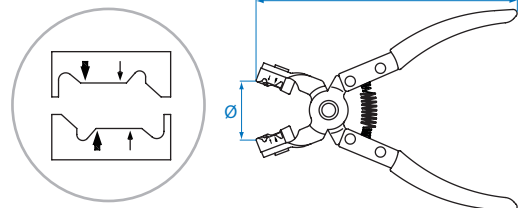


KT NO.	∅ mm	inch	L mm	g	kg	box
9AA17	27	6-3/4	171	188	12 / 60	

## 360° CLIC Hose Clamp Pliers

### 9AA25

- Use to remove and install CLIC and CLIC-R clamp
- 360° swivel angle
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz



KT NO.	∅ mm	inch	L mm	g	kg	box
9AA25	32	7	175	224	12 / 72	



# Hose Clamp Pliers Set

## 9AA01

- Applicable to most hose clamps of flat band, worm drive and Clic type
- Use for removing and installing common hose clamp type
- The set includes KT items:
  - 9AA13 - Wire Hose Clamp Pliers
  - 9AA16 - Flat Band Hose Clamp Pliers
  - 9AA17 - Fuel Line Pliers
  - 9AA21 - Curved Hose Clamp Pliers
  - 9AA25 - 360° CLIC Hose Clamp Pliers
  - 9AA31 - Flexible Hose Clamp Pliers
  - 1453 - Flexible Hex Nut-Driver (05,06,07,08,10mm)

⚖️ 3680 📦 1 / 5



11 PC.

# Fuel Line Pliers

## 9AB11

- Improved type can also use for fuel lines with plastic snap-together connectors
- Use for VW-Audi, Fiat, GM, Opel/Vauxhall, Mercedes-Benz



KT NO.	inch	L	mm	⚖️	📦
9AB11	9		228	312	12 / 72

## 9AB12

- For removal and replacement of the connections on the in-line fuel filter
- Use for VW, PSA, Fiat, Opel



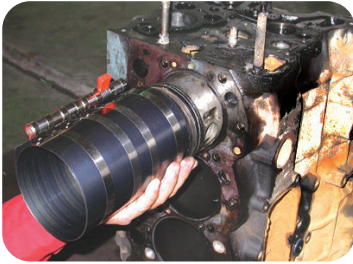
KT NO.	inch	L	mm	⚖️	📦
9AB12	6		150	87	12 / 144



# Piston Ring Compressor

## 9AC

- The square adjustment key wrench forces the rings into the grooves and the clutch prevents it from expanding

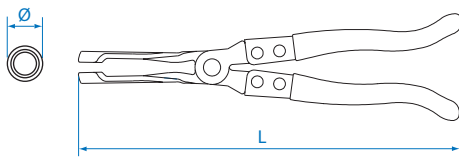


KT NO.	H		Ø Capacity		g	/
	inch	mm	inch	mm		
9AC125-32	3-1/4	80	2-1/4~5	57~125	260	20 / 60
9AC125-40	4	100	2-1/4~5	57~125	280	20 / 60
9AC175-32	3-1/4	80	3-1/2~7	90~175	300	20 / 60
9AC175-40	4	100	3-1/2~7	90~175	320	20 / 60
9AC175-66	6-3/4	165	3-1/2~7	90~175	530	20 / 40

# Valve Stem Seal Pliers

## 9AD11

- For removing valve stem seals in multi-valves engine
- Jaw longitudinal toothed - avoids slipping down
- For deeply leveled valve stem seals



KT NO.	L		Ø	g	/
	inch	mm			
9AD11	11	275	9.5	400	12 / 48

# Swivel Oil Filter Wrench

## 9AE31

- Professional swivel PVC dipped handle
- Easy to bend in different positions for reaching into narrow spaces



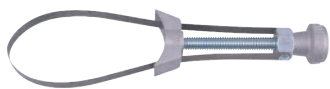
KT NO.	Ø Capacity mm	g	/
9AE31-73	60~73	275	6 / 36
9AE31-85	73~85	283	6 / 36
9AE31-95	85~95	300	6 / 36
9AE31-111	95~111	307	6 / 36
9AE31-121	110~121	309	6 / 36
9AE31-134	120~134	322	6 / 36





## Band Type Oil Filter Wrench

### 9AE32

- Adjustable metal band
- Suitable for filters between  $\varnothing 65\text{mm}$  to  $\varnothing 155\text{mm}$



KT NO.	$\varnothing$ Capacity mm		
9AE32-110	65~110	246	25 / 50
9AE32-155	110~155	252	25 / 50

## Quick Grip Oil Filter Wrench



### 9AE33

- Quick-adjustable tightening design
- Band type allows for narrow space
- Non-slip reaction teeth provides better grip



- The design offers a stronger clamping force






KT NO.	$\varnothing$ Capacity mm		
9AE33-110	65~110	305	1 / 25
9AE33-155	110~155	311	1 / 25

## Quick Grip Oil Filter Wrench Set

### 9AE33-110-S

6 PC.





KT NO.	Contents		
9AE33-110-S		2.70	1 / 2

### 9AE33-155-S

6 PC.





KT NO.	Contents		
9AE33-155-S		2.70	1 / 2

## Strap Wrench

### 3203

- Strap wrench for oil filter



KT NO.	Capacity mm	Overall length inch	mm		
3203	$\varnothing$ 60~140	8-3/4	223	242	50
320300		strap		46	80
3203A0	$\varnothing$ 60~260	8-3/4	223	300	45
320301		strap		73	80



## Strap Wrench

320670

- Aluminum alloy handle and strong nylon strap for tight grip
- Suitable for oil filter or any polished pipe



• Serrated makes grip tight

KT NO.	Overall length		Capacity mm	Scales	Pkg
	inch	mm			
320670	12	295	Ø 60~180	344	25 / 50
320600	nylon strap			35	25 / 50

320760

- Strap wrench for oil filter
- Use with 1/2" square drive tool



KT NO.	Overall length		Capacity mm	Scales	Pkg
	inch	mm			
320760	11	280	Ø 60~160	256	12 / 72

## Chain Wrench

3204

- Chain wrench for oil filter



KT NO.	Capacity mm	Overall length		Scales	Pkg
		inch	mm		
3204	Ø 60~140	8-3/4	225	359	50

## Chain Wrench

3205

- Heavy duty oil filter chain wrench, specially for auto, truck and agricultural equipment
- Flexible in confined space
- Suitable for all types of oil filters



- Adjust to appropriate size of the oil filter.



- Release the chain to reinstate it.

KT NO.	Capacity mm	Chain length mm	Scales	Pkg
320560	Ø 60~160	520	880	6 / 24



## Cup Type Oil Filter Wrench

### 9AE1

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.

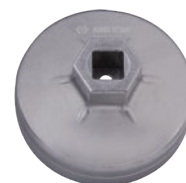


9AE1-6414	64mm(2-1/2)-14 flutes TOYOTA 4 Cylinder (1800CC.2000CC) ,ALLION, AURIS, COROLLA AXIO, ISIS, IST, COROLLA RUMION, COROLLA FIELDER, NOAH, PREMIO, PRIUS, VOXY, WISH, etc...	164	12 / 72
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### 9AE0

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.



9AE0-6414	64mm -14 flutes TOYOTA.NISSAN	103	1 / 100
9AE0-7414	74mm -14flutes AUDI. VW. OPEL. BMW. AUSTIN. 2003+FORD	128	1 / 100

### 9AE6

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



KT NO.



9AE6-6514A	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	112	12 / 72
9AE6-7414	74mm(2-9/32")-14 flutes Audi, Volkswagen, BMW, Citroën, Peugeot, Ford, Fiat, Lancia, Mazda, Mercedes- Benz, Nissan, Vauxhall, Opel, Porsche, Renault, Suzuki, Toyota, etc...	153	12 / 72
9AE6-8414	84 mm(3-3/10")-14 flutes Mercedes Benz V6/V8 CDi models, etc...	194	12 / 72

## Cup Type Oil Filter Wrench Set

### 9AE2002

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



2  
PC.

KT NO.

Applicable models



282



1 / 40

9AE2-6514	65mm(2-9/16")- 14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...
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9AE2-6567	65 & 67mm(2-9/16" & 2-21/32")-14 flutes Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...
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# Cup Type Oil Filter Wrench Set

**9AE2004**

**3/8"**

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters

**4**  
PC.



KT NO.



571



1 / 20

**9AE2-6606** 66 mm(2-19/32")-6 flutes  
Fiat (Punto, 1.2), Renault (Clio 1.2 Express, Kangoo, Rapid, Twingo), etc...

**9AE2-7608** 76mm(3")-8 flutes  
Fiat (z.B. Marea), Lancia (z.B. Delta), etc...

**9AE2-7614** 76mm(3")-14 flutes  
Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes-Benz, BMW, Audi (I.B.A3TD) Opel, etc...

**9AE2-9315** 93mm(3-21/32")-15 flutes  
Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo, Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc...

**9AE6002**

**1/2"**

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters

**2**  
PC.



KT NO.

Applicable models



282



1 / 40

**9AE6-6514** 65mm(2-9/16")- 14 flutes  
Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...

**9AE6-6567** 65 & 67mm(2-9/16" & 2-21/32")-14 flutes  
Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...



# Cup Type Oil Filter Wrench Set

**9AE2016**

**3/8"**

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- 1 PC. 1/2"(F)x3/8"(M) adapter
- 1 PC. 3 legs oil filter wrench(63-102mm)



**16**  
PC.

KT NO.

4.00 1 / 5

9AE2-6606	66mm(2-19/32")-6 flutes Fiat(Punto, 1.2), Renault(Clio 1.2 Express, Kangoo, Rapid, Twingo), etc....
9AE2-7476	74 & 76mm(2-29/32" & 3")-15 flutes Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc....
9AE2-7608	76mm(3")-8 flutes Fiat(z.B. Marea), Lancia(z.B. Delta), etc....
9AE2-7612	76mm(3")-12 flutes Fiat(z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III.), etc....
9AE2-7614	76mm(3")-14 flutes Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, BMW, Audi, Toyota, Opel, etc....
9AE2-8616	86mm(3-3/8")-16 flutes Volvo(S40, S60, S70, S80) etc....
9AE2-8618	86mm(3-3/8")-18 flutes VW. Golf.(MKIII. Tdi, Passat Tdi), Audi A6 Tdi, Renault(Clio, Rapid 1.9D, Laguna.Safrane. Espace 2.1D). Citroen, Peugeot, Renault, etc..
9AE2-9210	92mm(3-40/64")-10 flutes Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda. Regata, Ritmo Fiat, Seicento, Tempra, Tipo, Lancia(Beta. Dedra. Kappa. Monte. Carlo. Prisma. Thema. Trevi), etc....
9AE2-9315	93mm(3-21/32")-15 flutes Fits Casite, Champ, Champion, GM, Fram, Hastings, Purolator, Wix, Nissan, Volvo, Mazda, Audi, VW, Porsche, Renault, etc....
9AE2-9345	93mm(3-21/32")-45 flutes VW-Audi.(TDi 2.4, 2.6, 2.8L), etc....
9AE2-9618	96mm(3-3/4")-18 flutes Audi(A4 Tdi, VW Passat, 97 Tdi), Renault (Laguna 2.2d. Safrane 2.2D. Espace 2.2D. R19 2.2D. Rapid, Megane, 1.9/2.1D. Tdi) etc..
9AE2-10615	106mm(4-11/64")-15 flutes Fiat(Ducato 2.5D. Td), etc....
9AE2-10815	108mm(4-8/32")-15 flutes Volvo(C70, S70, V70. Tdi. TD)(850 Tdi. TD) etc....
9AE2-10818	108mm(4-8/32")-18 flutes Renault(Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D. TD), etc....
9AE423	3 legged oil Filter Tool 63-102mm(2-1/2" to 4")
9AE221	1/2" drive adaptor 1/2" F x 3/8" M



# Cup Type Oil Filter Wrench Set

**9AE6030**

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters
- Suitable for 3/8" or 1/2" drive tool



30 PC.

KT NO.

6.67 1 / 3

<b>9AE6-6514</b>	65mm(2-9/16")-14 flutes Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...
<b>9AE6-6567</b>	65 & 67mm(2-9/16" & 2-21/32")-14 flutes Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...
<b>9AE6-6606</b>	66 mm(2-19/32")-6 flutes Fiat (Punto, 1.2), Renault (Clio 1.2 Express, Kangoo, Rapid, Twingo), etc...
<b>9AE6-6814</b>	68mm(2-11/16")-14 flutes Fits Hastings, Mazda, Ford Escort, Capri, Subaru, Fran, PH6607 (Those Fram Filters Made in Korea), Motorcraft, FL816, etc...
<b>9AE6-7314</b>	73mm(2-7/8")-14 flutes Fits Toyota/Lexus, etc...
<b>9AE6-7415</b>	74mm(2-29/32")-15 flutes MF, Audi (#056-115-561g), GM, Rover, Chrysler, etc...
<b>9AE6-7476</b>	74 & 76mm(2-29/32" & 3")-15 flutes Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc...
<b>9AE6-7577</b>	75 & 77mm(2-15/16" & 3-1/32")-15 flutes Fits VW, Audi, Casite, GM/AC, Hastings, Wix, NAPA, Ford, Isuzu, Mercedes, Opel, etc...
<b>9AE6-7608</b>	76mm(3")-8 flutes Fiat (z.B. Marea), Lancia (z.B. Delta), etc...
<b>9AE6-7612</b>	76mm(3")-12 flutes Fiat (z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III), etc...
<b>9AE6-7614</b>	76mm(3")-14 flutes Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, Benz, BMW, Audi (I.B.A3TD) Opel, etc...
<b>9AE6-7630</b>	76mm(3")-30 flutes Fits Motorcraft only-FL400A, Ford, etc...
<b>9AE6-7815</b>	78mm(3-2/32")-15 flutes Nissan (#15028H8991), Ford, Toyota, Honda (Accord), etc...
<b>9AE6-8015</b>	80mm(3-9/64")-15 flutes Fits Opel, Hastings, Fram, Purolator, Nissan, Honda, Motorcraft, Mazda, Isuzu, Subaru filters.
<b>9AE6-8082</b>	80 & 82mm(3-9/64" & 3-7/32")-15 flutes Fits Wix Filters. Branded for: Mazda, Subaru, Toyota, Honda, Acura, Nissan, NAPA, etc...
<b>9AE6-8616</b>	86mm(3-3/8")-16 flutes Volvo (S40, S60, S70, S80), etc...
<b>9AE6-8618</b>	86mm(3-3/8")-18 flutes VW, Golf. (MKIII, TDi, Passat TDi), Audi A6 TDi, Renault (Clio, Rapid 1.9D, Laguna, Safrane, Espace 2.1D), Citroen, Peugeot, Renault, etc...

<b>9AE6-9015</b>	90mm(3-17/32")-15 flutes Fits Honda (Accord). Mitsubishi. Mopar. Isuzu, etc...
<b>9AE6-9210</b>	92mm(3-40/64")-10 flutes Fiat, Cinquecento, Coupe, Cromia, DAF, Fiat, Panda, Regata, Ritmo Fiat, Seicento. Tempra, Tipo, Lancia (Beta, Dedra, Kappa, Monte Carlo, Prisma, Thema Trevi), etc...
<b>9AE6-9315</b>	93mm(3-21/32")-15 flutes Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo. Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc...
<b>9AE6-9336</b>	93mm(3-21/32")-36 flutes Fits Ford, Motorcraft only-FL1A, (FLA1B, FL300, FL820 Ford), etc...
<b>9AE6-9345</b>	93mm(3-21/32")-45 flutes VW-Audi, (TDi 2.4, 2.6, 2.8L), etc...
<b>9AE6-9515</b>	95mm(3-6/8")-15 flutes Toyota (#15600-41010) Alfa Romeo, GM, Ford, Chrysler.
<b>9AE6-9618</b>	96mm(3-3/4")-18 flutes Audi (A4,A6, TDi), VW (Passat 97 TDi), Renault (Laguna 2.2D, Safrane 2.2D, Espace 2.2D, R19 2.2D, Rapid, Megane, 1.9/2.1D, TDi), etc...
<b>9AE6-10015</b>	100mm(3-15/16")-15 flutes Fits Fram, Motorcraft, Wix, Isuzu, Mitsubishi, etc...
<b>9AE6-10615</b>	106mm(4-11/64")-15 flutes Fiat (Ducato 2.5D, Td), etc...
<b>9AE6-10815</b>	108mm(4-8/32")-15 flutes Volvo (C70, S70, V70, TDi, TD) (850 TDi, Turbo Diesel)
<b>9AE6-10818</b>	108mm(4-8/32")-18 flutes Renault (Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D, TD), etc...
<b>9AE433</b>	3 legged oil Filter Tool 65-120mm (2-9/16" to 4"-23/32")
<b>9AE221</b>	Adaptor 3/8" or 1/2" Drive Tool



# Oil Filter Socket Set

**9AE8006**

**3/8"**

- 3/8" square drive
- The set includes sizes 24, 27, 30, 32, 36 and 38mm
- 6 PC. oil filter sockets designed for removal of oil filter canisters and covers
- Withstands up to 115.2 N·m(85 ft·lb)

**6**  
PC.



KT NO.

1.11 12 / 24

**9AE8-24** Audi  
BMW: 5 / 7 Series (N62) V8 engines from 2004 onward  
Cadillac: ATS 36

**9AE8-27** BMW, Ford, Fiat, GM, Renault, VAG, PSA  
Mercedes-Benz: A-CLASS  
Nissan: 1.5 / 1.9 / 2.2 / 2.5 dCi engines

**9AE8-30** Audi, Skoda, Seat, VW

**9AE8-32** GM, VAG  
BMW: 335D, X5 35d(09~10), X5 xDrive 35d(11~13)  
Opel / Vauxhall: Astra-G, Corsa-B, Zafira

**9AE8-36** Audi: A3 2.0(04~08), A4 2.0(04~08)  
BMW: M52, M54, M60, M62, M70 & M73 engines  
Ford: Mondeo 2.0D 16V Dura Torq engines, Transit 2.5 & 2.0 diesel engines  
Jaguar: 2.2D engines

Mercedes-Benz: 116MB engine Vito CDi  
Mini: R56  
Opel / Vauxhall: Omega DL 16V, Vectra 2.0, Zafira  
VAG: VAG 1.9 SDi (ASY), Golf GTI 2.0, Passat 2.0, VR6  
Volvo

**9AE8-38** BMW, Volvo  
Opel / Vauxhall: Vectra 2 liter diesel engines



# Three-Legs Oil Filter Wrench

## 9AE42

- The claw-type filter is available for removing all oil filters from 2-1/2" to 4" (63-102mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust
- **CW & CCW direction**

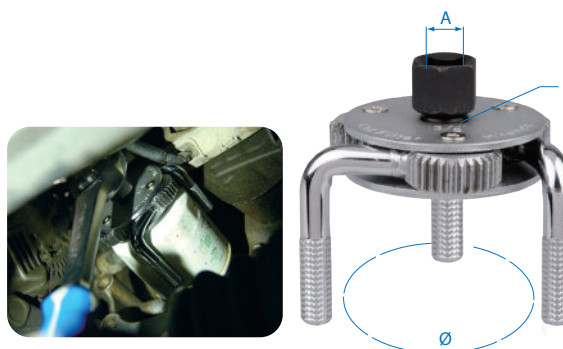
KT NO.	A B		Ø Capacity		g	kg
	inch	inch	inch	mm		
9AE42	1/2	3/8	2-1/4~4	63~102	395	12 / 48
9AE221	1/2	3/8	-	-	39	-
9AE423	-	3/8	2-1/2~4	63~102	356	12 / 48
9AE433	-	3/8	2-9/16~4-23/32	65~120	502	12 / 36



## 9AE43

- The claw-type filter is available for removing all oil filters from 3" to 4-3/4" (75-120mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Heavy duty design
- **CW & CCW direction**

KT NO.	A B		Ø Capacity		g	kg
	inch	inch	inch	mm		
9AE43	1/2	3/8	3~4-3/4	75~120	604	1 / 36

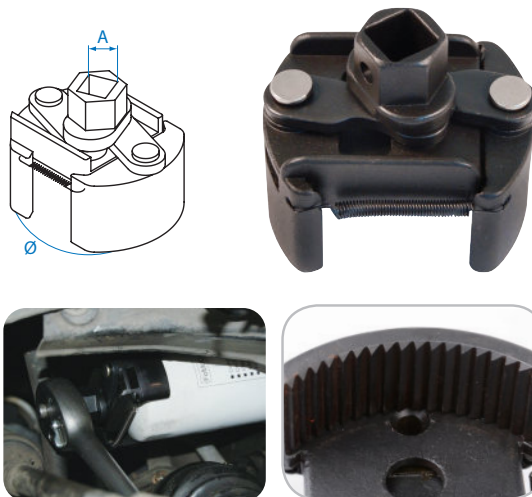


# Two Jaws Oil Filter Wrench

## 9AE52

- The claw-type filter is available for removing all oil filters from 2-3/8" to 3-1/8" (60-80mm) in diameter
- Suitable for using with 1/2" square drive tool
- Lost wax coating with electro-black oxide finish for protection against rust
- Specially teeth designed steel jaws

KT NO.	A		Ø Capacity		g	kg
	inch	inch	inch	mm		
9AE52	1/2		2-3/8~3-1/8	60~80	470	1 / 16



## 9AE53

- The claw-type filter is available for removing all oil filters from 3-1/8" to 4-1/2" (80-115mm) in diameter
- Suitable for using with 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust

KT NO.	A		Ø Capacity		g	kg
	inch	inch	inch	mm		
9AE53-115	1/2		3-1/8~4-1/2	80~115	667	6 / 24



# Adjustable Oil Filter Pliers

## 9AE71

- Adjustable sizes from 60 to 140mm
- Serrated jaws



KT NO.	L		Ø Capacity mm	g	PC.
	inch	mm			
9AE71-90	9	230	60-90	357	12 / 72
9AE71-115	10	260	85-115	400	12 / 60
9AE71-140	14-1/2	365	100-140	897	1 / 20



# Locking Grip Oil Filter Pliers

## 9AE72

- Lock and grip oil filters or any irregular shaped object for quick tightening or removal
- Use for adjusting and fastening at any angle

KT NO.	L		Ø Capacity mm	g	PC.
	inch	mm			
9AE72	10	254	53-118	458	12 / 48



# Hose Pinch & Set

## 9AF11

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses



KT NO.	L		Ø Capacity mm	g	PC.
	inch	mm			
9AF11-15	6-1/8	155	22.4	44	12 / 48
9AF11-30	7-9/32	185	35.4	76	12 / 48
9AF11-60	10	253	65.2	125	12 / 48



## 9AF113

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses

g 245 PC. 12 / 48



9AF11-60



9AF11-30



9AF11-15

3 PC.



# Fuel Gauge & Pump Sender Collar Wrench

## 9AG11

- Use for removing and fitting fuel gauge sender collars to avoid damage
- 3 jaws to ensure high torque and no risk to damage plastic collar
- Use with 19mm wrench or socket
- Suitable for most collars from 89 to 170mm



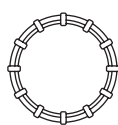
KT NO.	Ø mm	kg	/
9AG11	89~170	1.05	1 / 12

# Adjustable Fuel Tank Lid Remover

## 9AG13

- Use for removing and fitting fuel gauge sender collars to avoid damage
- Special jaws design, no risk to damage plastic collar
- Use with 3/8" DR.
- Suitable for collars from 122 ~ 199mm

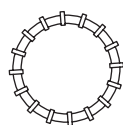
560 / 1 / 24



BMW



BENZ



VW . AUDI  
BENZ . BMW



# Diesel Injector Extractor Tool

## 9AN021

- Use to remove injectors without dismantling the engine
- Suitable for Bosch injectors in Mercedes-Benz CDI engines 2.1 L and 2.2 L
- Application : Benz for Vito, Sprinter, Viano, C class, E class, CLC, CLK

2 / 1 / 6

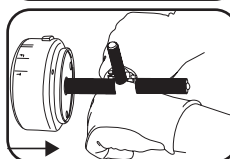
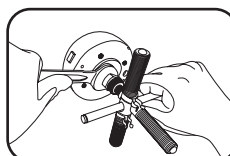


# 6 in 1 Fly Wheel Puller

## 9XAH1

- This tool is designed to offer 6 different sizes for the Flywheel wheel rings on motorcycles
- Sizes include: M20 x 1.5R / M14 x 1.5R / M16 x 1.5R / M18 x 1.5R / M24 x 1.0R / M27 x 1.0L

730 / 1 / 24





## Valve Spring Compressor Set

### 9AH31

- Use for compress of motorcycle or small engines valve spring
- Adapter size : 16mm, 19mm, 23mm, 25mm and 30mm.
- Capacity : 130mm.
- Throat depth : 100mm

 1.31  1 / 12



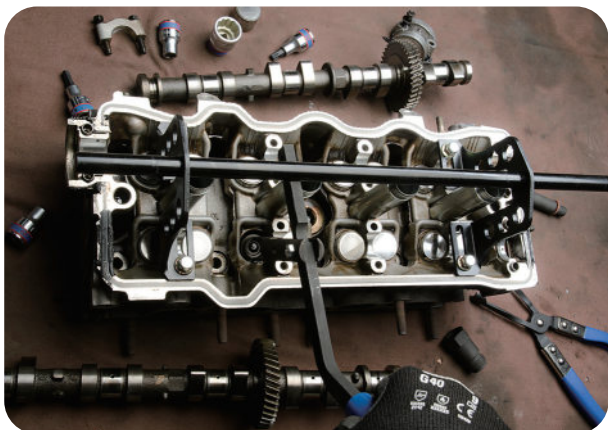
### 9AH12

- Complete service tool set for OHV & OHC petrol or diesel engines on Audi, Nissan, Toyota, Chrysler, Honda, Mazda, Mitsubishi, Saturn, Lexus, Hyundai, Infiniti, Porsche, Volvo, VW

 3.75  1 / 5



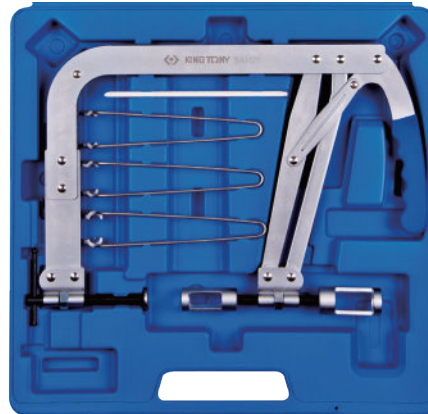
10 PC.



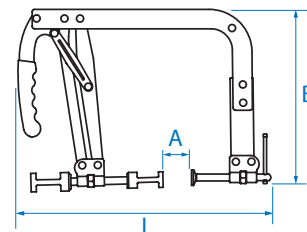
## Valve Spring Compressor Set



### 9AH025

- Suitable for large engines & diesel engines
- Capacity: 35~140mm
- Unique direct action compressor lever gives improved visibility & ease of using in areas of difficult access.
- Dual size in 25 and 30mm adapter



5 PC.



KT NO.	A mm	B mm	L mm	 kg	
9AH025	35~140	280	390	5	1 / 5



## Valve Lappers

### 9AH0311

- For hand lapping valves

 100  12 / 108

2 PC.



KT NO. Diameter Cups Size

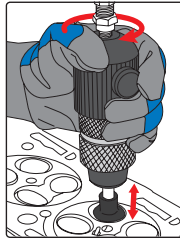
9AH0311	1-1/8" (29mm) 5/8" (16mm)	1-3/8" (35mm) 13/16" (21mm)
---------	------------------------------	--------------------------------



# Heavy Duty Air Valve Lapper Set

## 9AH0321

- Design for operating in tough environments
- Adjustable speed regulator for precise control during operation
- Complete with rubber caps of 20mm, 30mm, 35mm and 45mm



5 PC.

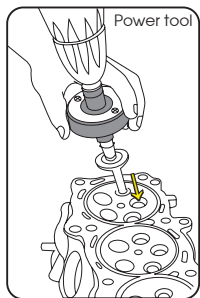
KT NO.	Free Speed R.P.M	Pistone Stroke inch mm	Overall Length inch mm	Air Inlet inch	Air Hose ID	Average Air Consumption CFM L/min	Kg	Box
9AH0321	5600	1.1 29	9.0 228	1/4	3/8	2.5 71	1.82	1 / 10

# Oscillating Valve Lapping Tool

## 9AH0331

- Facilitates the easy insertion of valves
- Automatic change in direction
- Use with fine grinding paste
- Two different suction cups: 22mm / 28mm
- Working speed(Max):1000rpm

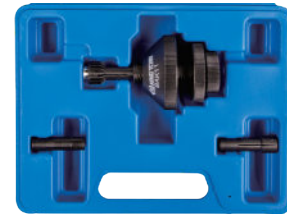
287 10 / 40



# Universal Clutch Aligner Set

## 9AK11

- Designed to make alignment and assembly of clutch
- Specially designed for those vehicles equipped with late-model front wheel drives without pilot bearing in flywheel



3 PC.

- CONTENTS :
- 9AK11P03  
Ø 23 ~ 27mm
  - 9AK11P02  
Ø 19 ~ 23mm
  - 9AK11P01  
Ø 15.5 ~ 20mm

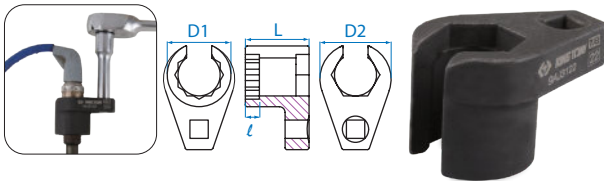
KT NO.	Ø mm	Kg	Box
9AK11	15.5~27	0.60	1 / 20

# Oxygen Sensor Socket

## 9AJ3122

3/8"

- For installing and removing oxygen sensors
- Offset design for confined areas

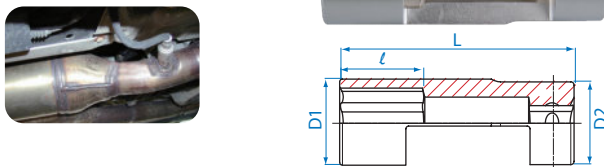


KT NO.	Ø mm	D1 mm	D2 mm	l mm	L mm	Kg	Box
9AJ3122	22	34	38	8	34	178	1 / 100

## 9AJ4322

1/2"

- For oxygen sensors
- Featuring a slot for the connecting lead



KT NO.	Ø mm	D1 mm	D2 mm	l mm	L mm	Kg	Box
9AJ4322	22	32	30	30	85	294	5 / 60

# Oxygen Sensor Socket Set

## 9AJ017

3/8"+1/2"

- 7 PC. special sockets for removing oxygen sensors
- Suitable for most vehicles : Volkswagen, BMW, PSA, Mercedes-Benz, Ford, etc...

2.33 1 / 10



7 PC.

KT NO.	Part.	Ø Size	Ø mm
9AJ4229		1/2"	29
9AJ3322		3/8"	22
9AJ4227		1/2"	27
9AJ3222		3/8"	22
9AJ3127		3/8"	27
9AJ4122		1/2"	22
9AJ3122A		3/8"	22

# Self Adjusting Clutch Alignment Setting Tool Set

## 9AK21

- Prevent damage to system and to keep adapter ring in right position
- Necessary for pre-tensioning self adjusting clutches before removal or installation, avoiding clutch deformation
- Prevents plate distortion
- Suitable for most SAC(Self Adjusting Clutches 3 and 4 holes) equipped on vehicles of FIAT GROUP, VW-AUDI, BMW, MERCEDES, VOLVO, OPEL, RENAULT etc

10.75 1 / 2



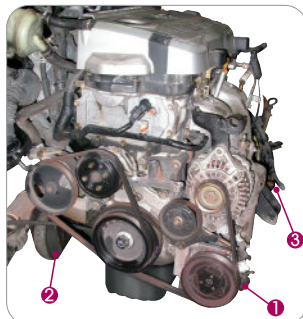
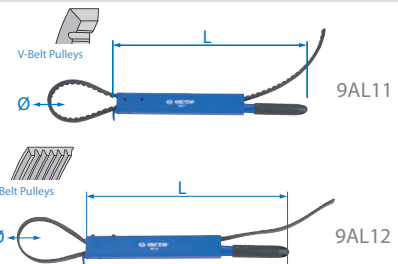
38 PC.

# Pulley Removing Wrench

## 9AL

- To lock the pulley during removing or assembling any type of pulley retaining bolt

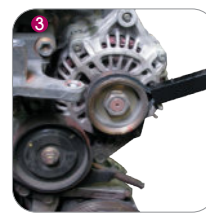
KT NO.	inch	L mm	∅ mm	kg	1 / 2
9AL11	14-3/8	365	40~140	540	12 / 36
9AL12	14-3/8	365	40~140	540	12 / 36



• Compressors



• Water pump pulley



• Alternator pump pulley



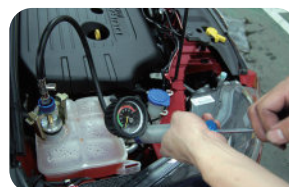
• Oil filter removal & assembly

# Universal Cooling Pump and Refiller Tool Set

## 9AM01

- For testing leakage in radiator system
- Vacuum leakage testing and bubble-free refilling
- Special pick hooks to speed up replacement of pipes
- Quick-release coupling on each connections
- Rubber cones with functional diameter 17~40mm

KT NO.	Type	kg	1 / 2
9AM010	Japan	3.40	1 / 5
9AM011	USA	3.40	1 / 5
9AM012	Europe	3.40	1 / 5



7 PC.



**CAUTION** DO NOT open the radiator cap on a hot engine

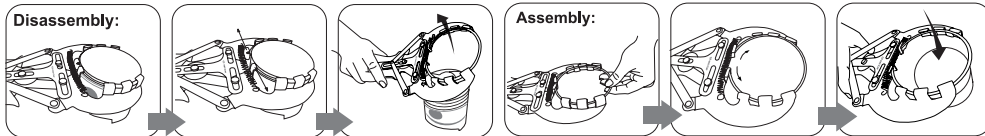
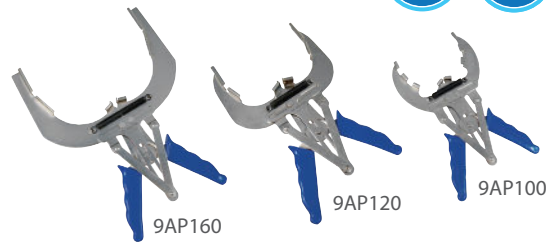
# Piston Ring Pliers

## 9AP

- For removing and mounting piston rings
- Nickel plated



KT NO.	L		Ø Capacity mm	kg	Box / Carton
	Inch	mm			
9AP100	8-11/32	212	50~100	323	12 / 48
9AP120	8-15/16	227	80~120	354	12 / 48
9AP160	9-61/64	253	110~160	458	12 / 48



# Drain Plug Removal Tool

## 9AR21

3/8"

- Use for removing and installing of the plastic oil drain plug on the latest VAG vehicle
- 3/8" DR and HEX 17 mm
- For VW, Audi, Skoda, Seat 1.2 / 1.4 / 1.8 / 2.0 TFSI oil drain plug and 1.6 / 2.0 TDI diesel engines cam cover plug

kg 20 Box / Carton 12 / 288



# Plastic Drain Plug

## 9AR29-S

- Suitable for VW, Audi, Skoda, Seat 1.2 / 1.4 / 1.8 / 2.0 TFSI oil drain plug and 1.6 / 2.0 TDI diesel engines cam cover plug
- Use with removal tool 9AR21
- OEM numbers 06L 103801

kg 13 Box / Carton 1 / 144



# Oil Drain Plug Key Set

## 9AR11

- Suitable for sump plugs on engine, gearbox and back axle
- Contents :  
Hex key socket : H8, H9, H10, H12, H13, H14, H17 mm  
Square socket : 5/16", 3/8", 7, 8, 10, 11, 12, 13, 14 mm  
Torx socket : T45  
Triangular socket : 10mm  
Spline (TAMPER) socket : M16  
Square drive socket : 10mm  
3/8" drive sliding T-handle

kg 1.70 Box / Carton 1 / 10



21 PC.

# Diesel Injector Puller Set

## 9AS11

- The set contains M8, M12, M14, M17 adaptor
- Suitable for various vehicles with Bosch and Lucas type diesel injectors
- Remove stubborn diesel injectors easily and quickly
- New M17 adaptor for GM Vauxhall / Opel injectors X20DTH / Y20DTH series engines

kg 1.11 Box / Carton 1 / 20

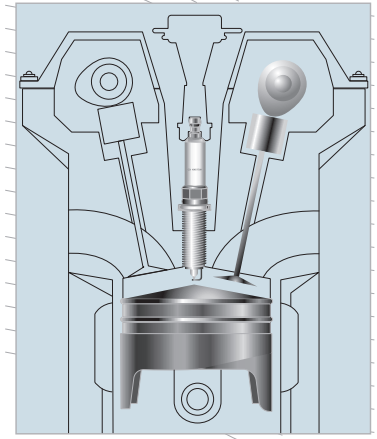


## Why spark plugs need torque tightening ?

1. Modern engines cylinder heads are made of aluminium alloy
2. A correct factory-set gaps can provide best performance

Cylinder head material	Thread diameter (mm)				
	M8	M10	M12	M14	M18
Cast iron	-	10~15 N·m	15~25 N·m	25~35 N·m	35~45 N·m
Aluminium	8~10 N·m	10~12 N·m	15~20 N·m	25~30 N·m	35~40 N·m

Suggested torque for spark plugs with gasket, always follow factory owner's manual



### 3/8" Spark Plug Sockets

3/8"	Size (inch)	Size (mm)	Type		Socket L(mm)			
					63	70	90	250
	9 / 16	14	6 pt	Rubber	36B514			
			12 pt	Rubber	36B014		36C014	36D014
			6 pt	Metal clip	367514			
			12 pt	Metal clip	367014			
	5 / 8	16	6 pt	Rubber		363516		
			12 pt	Rubber		363016		
			6 pt	Magnet		366516		
			12 pt	Magnet		366016		
	23 / 32	18	12 pt	Rubber	36B018			
			6 pt	Metal clip	367518			
			12 pt	Metal clip	367018			
	13 / 16	20.8	6 pt	Rubber		363521		
			12 pt	Rubber		363021		
			6 pt	Magnet		366521		
			12 pt	Magnet		366021		

### 1/2" Spark Plug Sockets

1/2"	Size (inch)	Size (mm)	Type		Socket L(mm)
					70
	9 / 16	14	6 pt	Rubber	463514RC
			12 pt	Rubber	463014RC
	5 / 8	16	6 pt	Rubber	463516R
			12 pt	Rubber	463016R
			6 pt	Magnet	466516
			12 pt	Magnet	466016
	23 / 32	18	6 pt	Magnet	
	13 / 16	20.8	6 pt	Rubber	463521R
			12 pt	Rubber	463021R
			6 pt	Magnet	466521
			12 pt	Magnet	466021

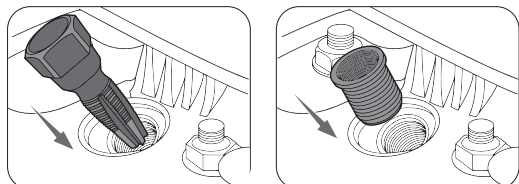
### Torque Wrench & Accessory

KT NO.	Gear Teeth	Square Drive	Torque Range in-lb / ft-lb	Incr.	Torque Range N-m	Incr.
34362-1CG	24	3/8"	40~200 in-lb	1 in-lb	5.1~22.0 N-m	0.12 N-m
34362-2CG	32	3/8"	15~80 ft-lb	0.5 ft-lb	23.7~105.1 N-m	0.7 N-m
KT NO.	Gear Teeth	Square Drive	Torque Range N-m	Incr.		
34362-2DG	32	3/8"	20~100 N-m	0.5 N-m		
34362-3DG	32	3/8"	10~60 N-m	0.5 N-m		
KT NO.	Square Drive	Torque Range N-m	Torque Range ft-lb	Total Length kgf-m		
34307-1A	3/8"	27~135 N-m	19.9~99.6 ft-lb	2.75~13.76 kgf-m		
1/2" drive (M)		3/8" drive (F)		KT NO.	Spec.	
				3814	3/8" F x 1/2" M	

## Spark Plug Rethreader Set

**11305SQ**

- Spark plug rethreader set is used for rethreading damaged spark plug threads in aluminum cylinder heads



KT NO.	Size mm	Type inch			
11305SQ	14	3/8, 7/16, 1/2, 3/4	13	12 / 72	

## Double Size "L" Handle

**1586**

- Material : Chrome vanadium alloy steel
- For oil plug



KT NO.	Overall length		Size			
	inch	mm	inch	mm		
1586-09	9	230	5/16 x 3/8	8 x 10	320	6 / 48

**1596**

- Material : Chrome vanadium alloy steel
- For oil plug



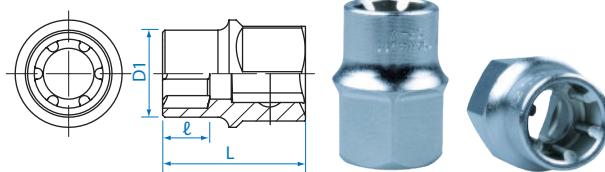
KT NO.	Overall length		Size			
	inch	mm	inch	mm		
1596-09	9	230	3/8	10	290	6 / 48

## Ribe Socket M10S

**9AW4911**

1/2"

- 6 points
- Use for replacing and removing idler pulley center screw on TOYOTA ALTIS
- 1/2" DR. socket ribe M10S for TOYOTA



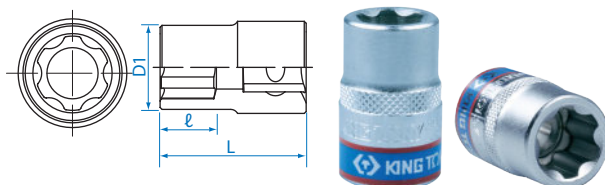
KT NO.	Size	D1 mm	ℓ mm	L mm		
9AW4911	M10S	19	10	33.8	16	10 / 200

## Ribe Socket M12S

**9AW4901**

1/2"

- 6 points
- Use for replacing and removing engine head screw and flywheel center screw on NISSAN models
- 1/2" DR. socket ribe M12S for NISSAN



KT NO.	Size	D1 mm	ℓ mm	L mm		
9AW4901	M12S	22	14	38	15	10 / 200

## Bearing Race and Seal Driver Set

**9BA11**

- Quick and easy to insert bearing race
- Collars fit most standard wheel bearing sizes
- Helps reduce damage to both race and axle housing
- 9 collar sizes:

- 1.574"/40mm
- 1.732"/44mm
- 1.968"/50mm
- 2.322"/59mm
- 2.480"/63mm
- 2.559"/65mm
- 2.834"/72mm
- 2.992"/76mm
- 3.189"/81mm

1.8 Kg 1 / 10



10 PC.

# Universal Bearing Ring Puller



## 9BA41

- Three jaws with the thin edge provide an equal grip tension to avoid any slide or tilt
- Suitable for all kind of bearing and sleeves diameter 10 to 125mm
- Applicable : For universal vehicles

KT NO.	Ø Capacity mm		
9BA41	10~125mm	3.6	1 / 4

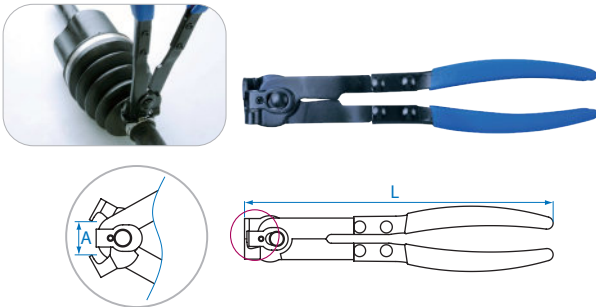


Hose Clamp	KT Item	Suitable Car Brand	
<p>CV Boot Clamp</p> <p>Ear Clamp</p>	<p>9BB11</p> <p>9BB12</p> <p>9BB13</p>	VW, Audi, BMW, Ford, GM, Opel, Nissan, Mercedes- Benz, Mazda, Honda, Chrysler, Citroen, Seat	
<p>CV Boot Clamp</p>	<p>9BB31</p>		Universal

## Ear Hose Clamp Pliers

### 9BB11

- Use to remove and install ear clamp
- Special hook jaw easy to hold clamp in position
- Suitable for CV joint boot, vacuum lines, and cooling system

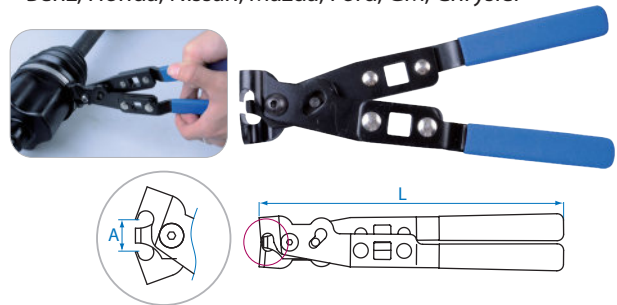


KT NO.	inch	L mm	A max mm		
9BB11	10	260	22.5	364	12 / 48

## CV Boot Clamp Pliers

### 9BB12

- Use to remove and install stainless CV boot clamp
- Can be used with 1/2" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler



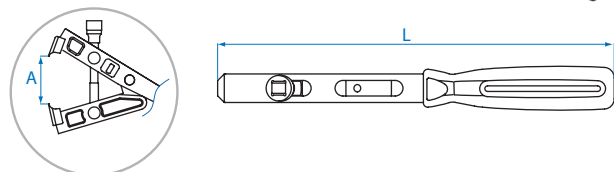
KT NO.	inch	L mm	A max mm		
9BB12	9-1/2	235	12	512.4	6 / 36



## CV Boot Clamp Pliers with Socket

9BB13

- Used to remove and install stainless CV boot clamp
- Can be used with 3/8" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler

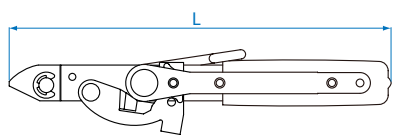


KT NO.	inch	L mm	A max mm		
9BB13	11	278	45	888	6 / 24

## CV Boot Clamp Installer

9BB31

- Used to cut and install clamp with built-in cutting arm
- Includes locking device and ratchet function
- Suitable for general vehicle types



Lock



Cut



KT NO.	inch	L mm		
9BB31	6-1/2	124	347	12 / 36

## CV Joint Assembly Removal Tool

9BB42

- Separates the CV Joint from the axle without removing the drive shaft
- Reduces the risk of damaging the transmission, or the CV joint
- Multiple hole pattern allows adjustment to different depths
- Suitable for most vehicles equipped with Constant Velocity U-joints

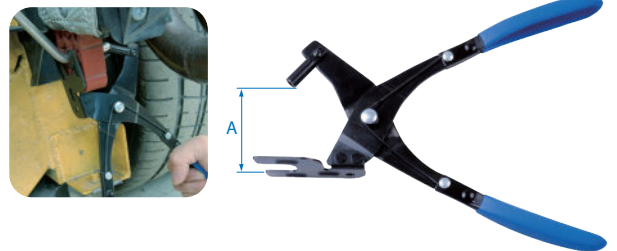
1.77 1 / 10



## Exhaust Pipe Hanger

9BP11

- Used to remove rubber holders from exhaust brackets
- Suitable for general vehicle types



KT NO.	inch	L mm	A max mm		
9BP11	10	250	60	339	12 / 36

## Exhaust Clamp Pliers

9BP21

- Used to remove and install exhaust clamps
- Include spring and locking mechanism
- Suitable for Citroen/Peugeot, Renault and prizing open types of exhaust clamps



KT NO.	inch	L mm	A max mm		
9BP21	12	300	60	496	12 / 36



## Handbrake Cable Pliers

### 9BC11

- For hand brake cable removal and replacing
- Suitable for Audi, Bmw, Citroen, Nissan, Peugeot, Seat, Renault, Rover, etc



KT NO.	inch	L mm	A max mm	B mm		
9BC11	9	230	60	5	198	12 / 48

## Disc Brake Piston Separator

### 9BC21

- Heavy duty drop forged construction
- Fits in brake caliper to push back pistons for new brake pads installation

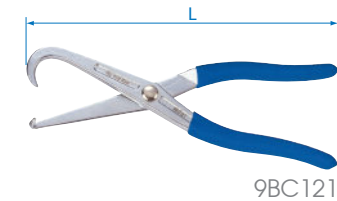
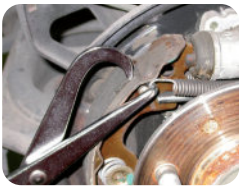


KT NO.	inch	Max capacity mm		
9BC21	2-7/8	75	1130	1 / 20

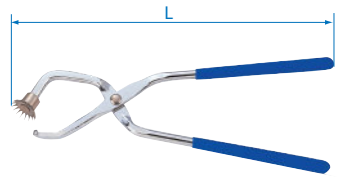
## Drum Brake Spring Pliers

### 9BC121

- Designed to remove and replace brake retaining spring on drum brakes



9BC121



9BC122

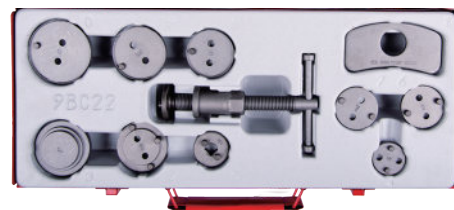
KT NO.	inch	L mm		
9BC121	8-1/2	215	230	12 / 72
9BC122	12-1/2	320	426	12 / 36

## Universal Disc Brake Wind-Back Tool Set

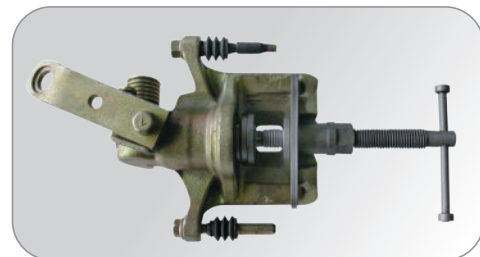
### 9BC22

- Magnetic socket adapter
- Including 9 adapters for brake assemblage
- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for V.W., audi, Ford, Nissan, Alfa romeo, Rover, Saab, Subaru, Toyota, Jaguar, and most of the general motors

2.87 1 / 6



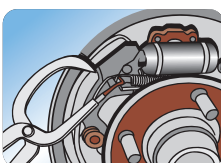
11 PC.



## HGV Drum Brake Spring Pliers

### 9BC124

- Designed to remove and replace brake retaining spring on drum brakes
- Extra strong version for HGV air or hydraulic drum brakes



KT NO.	inch	L mm		
9BC124	20-5/8	525	1250	3 / 6

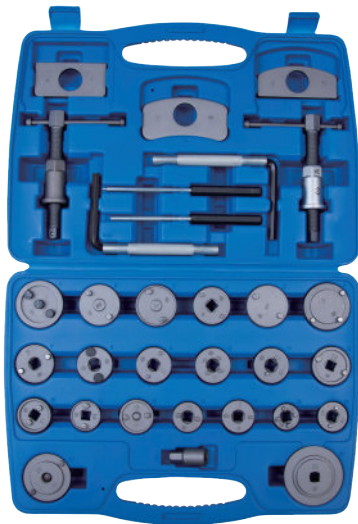


## Universal Disc Brake Wind-Back Tool Set

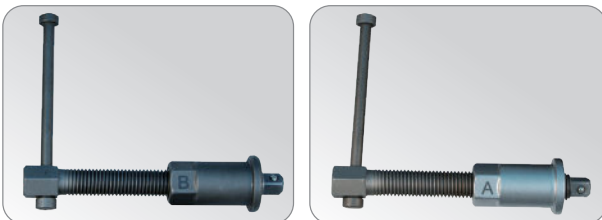
### 9BC23

- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for Bmw, Ford, Vw, Audi, Porsche, Saab, Opel, Volvo, Jaguar, Citroen, Peugeot, Renault, Lancia, Alfa romeo, Fiat, Nissan, Honda, Subaru, Toyota, Mitsubishi
- Contents:
  - 21 PC. Adapters for brake assemblage
  - 3 PC. Backing pads
  - 2 PC. Rotating caliper with 3/8"DR (right/left side threaded)
  - 2 PC. Hex key: 7, 8mm
  - 2 PC. Pin punch : Ø 5.5, 6mm
  - 1 PC. 3/8" DR. x 12mm hex key socket

4.87 Kg / 1 / 4



31 PC.



## Brake Caliper Piston Tool

### 9BC24A

- For rotating pistons back into caliper to provide clearance for new pads
- Fast and easy to use, prevents damage to the piston and boot
- Fits most European and Japanese vehicles



3 PC.

KT NO.	Capacity		700	5 / 30
	A(mm)	B(mm)		
9BC24A	22	33		

## Pneumatic Disc Brake Wind-back Tool Set

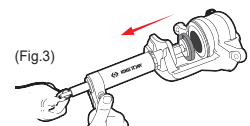
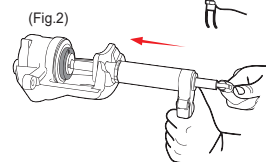
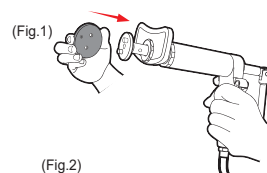
### 9BC25

- Air operated ram applies pressure to caliper piston, while the handle is rotated by hand
- Easy to use- works on standard workshop air supply
- Reversible- works on both RH and LH applications
- Can be used on wind back and push back piston
- Supplied with adaptor, which covers a wide range of popular vehicles
- Full range of additional specialist adaptors available
- Suitable for Mercedes-Benz, Bmw, Audi, Vw, Opel, Volvo, Jaguar, Citroen, Fiat, Peugeot, Alfa romeo, Saab, Lancia, Toyota, Honda, Nissan, Mitsubishi, Isuzu, Mazda, Subaru, Gm, Ford, Rover

3.20 Kg / 1 / 5



18 PC.

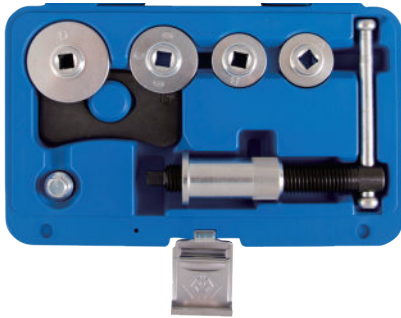


## Universal Disc Brake Wind-Back Tool Set

9BC26

- Prevents damage to the piston and boot
- For rotating pistons back into caliper to provide clearance for new pads
- Suitable for FORD, ROVER, HONDA, MERCEDES, TOYOTA, VW-AUDI, NISSAN, BMW, MAZDA, MITSUBISHI

1.38 kg 1 / 12



7 PC.

## Brake Bleeder Valve Collection Bottle



Always keep the tool clean after using

9BC32

- It contains a brake oil check valve, a silicone hose, and a universal rubber adapter that is compatible with most vehicles
- Complete with a metal hanging hook
- Capacity : 1000 ml

420 g 1 / 12

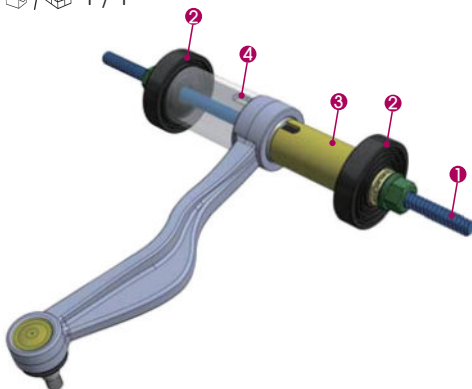


## Universal Sleeve Removal and Installation Set

9BD101

- Can easily extract and draw in bearings, bushes, seals with this comprehensive tools
- Reduces the possibility of damaging the bearing/suspension housings
- Tool doesn't designed to be used with the impact wrench

18.0 kg 1 / 1



26 PC.



No.

1	M10 x P1.5 spindle and two fixing nuts with bearing
1	M12 x P2.0 spindle and two fixing nuts with bearing
1	M14 x P2.0 spindle and two fixing nuts with bearing
1	M16 x P2.5 spindle and two fixing nuts with bearing
2	Step discs with A and B sides (2 pcs)
3	Golden sockets (11 pcs) marked with A
4	Silver socket (9 pcs) marked with B

Socket sizes OD x ID mm

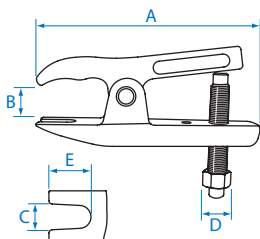
A	44 x 34 mm, 46 x 36 mm, 54 x 44 mm, 56 x 46 mm, 58 x 48 mm, 66 x 56 mm, 68 x 58 mm, 70 x 60 mm, 78 x 68 mm, 80 x 70 mm, 82 x 72 mm
B	48 x 38 mm, 50 x 40 mm, 52 x 42 mm, 60 x 50 mm, 62 x 52 mm, 64 x 54 mm, 72 x 62 mm, 74 x 64 mm, 76 x 66 mm



# Ball Joint Extractor

## 9BE11

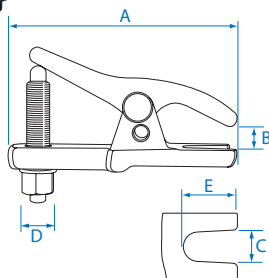
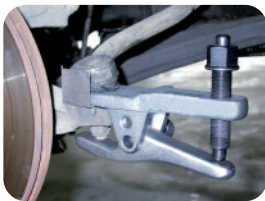
- Drop forged steel body



KT NO.	A mm	B(mm) Max Min	C mm	D mm	E mm	⚖️	📦
9BE11	160	50 12	19	19	25	1080	1 / 12

## 9BE21

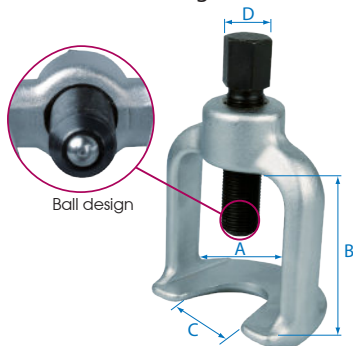
- Special design 2 stage operation, suits most cars and light trucks ball joints in steering & suspension
- Suitable for most European and Japanese vehicles



KT NO.	A mm	B(mm) Max Min	C mm	D mm	E mm	⚖️	📦
9BE21	160	50 12	20	22	32	1270	1 / 12

## 9BE4

- For quick and easy separation of ball joint pivots of pitman arms, steering tie rods, ball joints, etc
- Suitable for general trucks and vehicles
- For better safety operation & avoid damage



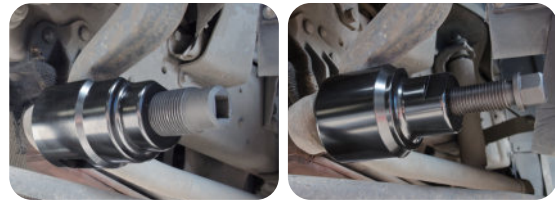
KT NO.	A mm	B mm	C mm	D mm	⚖️	📦
9BE41	36	40	18	17	364	1 / 36
9BE42	46	48	23	17	558	1 / 36
9BE43	62	62	29	19	925	1 / 12
9BE44	64	76	40	24	1658	1 / 12
9BE45	77	100	46	24	1858	1 / 12

# Impact Ball Joint Separator

## 9HBE4

3/4"

- Use for quick separation of ball joint for heavy goods vehicle
- Extra deep design for tight space
- Use with impact tools



## Heavy Goods Vehicle Ball Joint Separator

Size (mm)	Application
30	BMW (E39), Benz(W203/W210/W211/W220/W221), Mitsubishi Delica, Canter, Toyota Dyna etc...
39	"4 tons and European truck: Scania, Benz, MAN 414 drag link and Hino etc..."
47	"8.8 tons~10.5 tons truck: Hino, Isuzu, Nissan, UD,Fuso etc..."
58	Scania etc...
62	"15 tons~35 tons: Hino, Isuzu, Nissan, Fuso truck and bus etc..."
67	MAN(FE410A) etc...



KT NO.	A mm	B mm	⚖️	📦
9HBE4-30	30	95	2320	1 / 6
9HBE4-39	39	95	2320	1 / 6
9HBE4-47	47	95	2320	1 / 6



KT NO.	A mm	B mm	⚖️	📦
9HBE4-58	58	120	4200	1 / 6
9HBE4-62	62	120	4200	1 / 6
9HBE4-67	67	120	4200	1 / 6

# Hydraulic HGV Ball Joint Separator & Set

## 9HBE81

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Strengthen fork and lever for greater force to be applied

7.00  1 / 2



capacity

Jaw opening 70mm  
Jaw width 36mm



## 9HBE083

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Interchangeable jaws width : 30 / 34 / 40mm

8.50  1 / 2



Jaw Opening size :  
30, 34, 40 mm



## Track Rod End Remover & Installer

### 9BE52

- Removes and replaces the axial joint
- Hex part on the end of tool : works with 27 mm wrench or 1/2" DR. ratchet



KT NO.	inch	L mm	∅ Capacity mm		
9BE52	15-3/4	400	35~45	2140	1 / 10

## Multi-Purpose Inner Tie Rod Tool

### 9BE62

### 9BE63

1/2"

- Use for replace inner tie rod ends without removing the rack and pinion
- Internal serrated design to make grip tight
- Use with ratchets and extensions by 1/2" DR.
- Suitable for most vehicles & trucks



KT NO.	inch	L mm	∅ Capacity mm		
9BE62	3-1/4	81.50	33~42	370	24
9BE63	3-7/16	87.56	42~50	404	24



## Universal Adjustable Wheel Bearing Lock Nut Wrench

9HBN01

3/4"

- For disassemble and assemble vario nut and cap
- Extra slim design suitable to reach narrow space for special nut
- Use with 3/4" DR. tools and suggest to lock by torque wrench
- Application for 6PT, 8PT and round nut
- Adjustable open jaw 50~150mm

Contents:

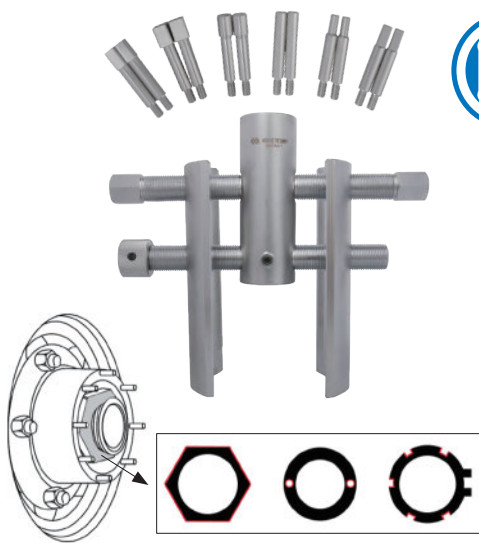
3 pairs round adapter for round nut : 6mm, 8mm, 10mm

3 pairs square adapter for round nut : 1/4", 5/16", 3/8"

3.68 1 / 5



13 PC.



## Drop Forged Coil Spring Compressor Set

9BF11

9BF21

- Drop forged SCM435 jaws & leaded screws
- Both 21mm 6-point sockets and 1/2" wrench are available
- Suitable for limited space under wheel arch

6 PC.



9BF11



9BF21



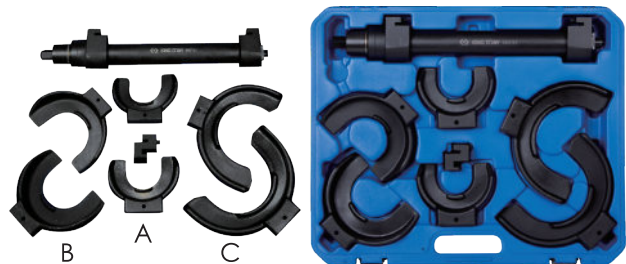
KT NO.	L mm	6-point socket	Wrench	Weight (kg)	Box / Carton
9BF11	85 / 370	1/2"	21	2.40	1 / 6
9BF21	85 / 270	1/2"	21	3.36	1 / 6

## Coil Spring Compressor Set

9BF31

- Developed for "Macpherson" suspensions, using a range of 3 sets interchangeable monobloc forks
- Spring specification / use :
  - A : Ø80~115mm
  - B : Ø110~150mm
  - C : Ø140~195mm
- Suitable for BMW, Ford, VW, Audi, Porsche, Saab, Opel, Volvo, Nissan, Honda, Mitsubishi, Subaru, Toyota

8 PC.



KT NO.	L mm	Capacity mm	Weight (kg)	Box / Carton
9BF31	460	40~300	15.00	1 / 1

## Steering Wheel Puller Set

9BG11

- Easy to remove and install steering wheel for cars and trucks
- 2 sets 17mm hex head puller with pointed and flat cups
- 4 sets side bolts
- Small plate Dia. :
  - 1"~3-11/16" 25~95mm
- Large plate Dia. :
  - 1-1/8"~5" 28~125mm
- Side bolts size :
  - 3 PC. 5/16" UNC x 3-1/2" long puller bolts
  - 3 PC. 5/16" UNF x 3" long puller bolts
  - 3 PC. 3/8" UNC x 3" long puller bolts
  - 3 PC. 3/8" UNF x 3" long puller bolts

4.10 1 / 6



18 PC.

## Multi-Steering Knuckle Spreader Tool Set

### 9BJ11

- Used to spread the steering knuckle to enable the removal and fitting of shock absorbers without the risk of damaging the aluminum or cast iron knuckle
- The tool is adjustable and suitable for steering knuckles with either a centralized slot or a non centralized slot
- Wide range of vehicle applications
- Designed for twin ball joints as fitted to Audi and VW control arms
- Suitable for strut clamping bores on Audi, VW, BMW, Ford, Peugeot, Citroen, Renault, Seat, Skoda

1.05 1 / 12

15 PC.



## Wheel Stud Alignment Guide Tool Set

### 9BK2008

- Easy to remove and install wheels with lug bolts
- 4 pairs of metric threaded pin allow to hang wheel safety
- Suitable for BMW, Mercedes, Renault, VW, Audi...



8 PC.



#### CONTENTS :

- 2 PC. M12 x 1.25
- 2 PC. M12 x 1.5
- 2 PC. M14 x 1.25
- 2 PC. M14 x 1.5

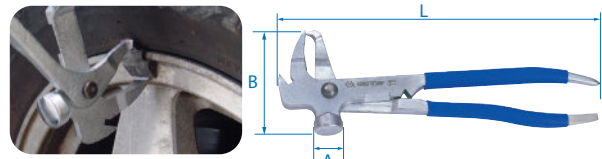


KT NO.	L mm	
9BK2008	150	990

## Wheel Balancing Weight Tool

### 9BK11

- Ideal for fitting and removing wheel balance weights



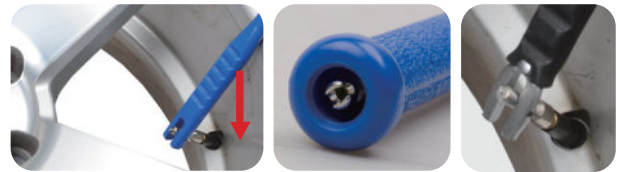
KT NO.	inch	L mm	A mm	B mm		
9BK11	10	250	22	86	420	10 / 50

## Tire Valve Installer

### 9BK31

### 9BK32

- Use for replacement and fitting tire valves
- Composite body prevents damage onto alloy wheel
- 180 degree pivoting head
- 310mm plastic handle



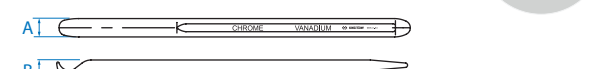
- For removal & installing valve cores

## Tire Lever

### 9BK41

### 9BK43

- Straight pattern with profiled shank



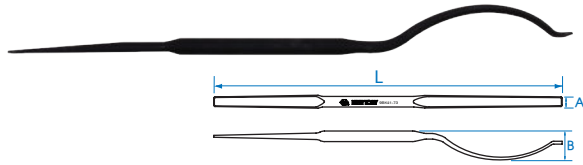
KT NO.	inch	L mm	A mm	B mm		
9BK41-20	8	200	21.6	11	104	10 / 50
9BK41-28	11	280	22.7	13.5	239	10 / 50
9BK41-38	15	380	24.5	13.5	358	10 / 50
9BK41-53	21	530	28	12	928	10 / 20
9BK41-65	25	650	30	15	1075	10 / 20
9BK43-65	25	650	30	15	1100	10 / 20



## Tire Lever

### 9BK41-73

- To install and remove the tire from wheel rim
- Precision forged with greater leverage design
- Special design for 17" to 22.5" tire



KT NO.	inch	L mm	A (mm)	B (mm)	⚖️	📦
9BK41-73	28-3/4	730	22	64.4	1618	1 / 10

## TPMS Torque Assist Tool Set

### 9BK51

- Use to install / change TPMS sensor and tyre valve
- Rotary slide bar design avoids tightening with overloaded torque
- Torque screwdriver with  $\pm 5\%$  tolerance
- Quality meets DIN ISO 6789 & ASME B107.300-2010



#### Contents :

- 2033** 1/4"DR x T10, T15, T20 torx bit socket
- 2235M** 1/4"DR x 11, 12, 13mm deep socket
- 2221-02** 1/4"DR x 2" extension bar
- 2752-45G** 1/4"DR. T handle swivel head reversible ratchet
- 34101-040M** Valve core torque tool (0.45N.m)
- 341214M** 1/4"DR. Preset torque T-DRIVER (1.4 N-m)
- 34211-3DG** 1/4"DR. Torque Screwdriver (4~9 N-m)

⚖️ 1.53 📦 1 / 10



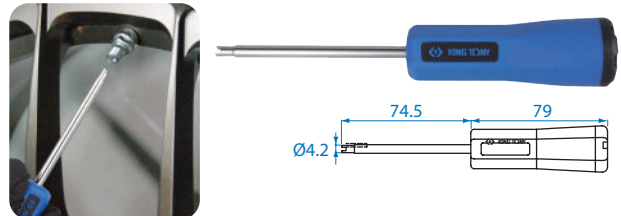
11 PC.

## Tire Valve Core Remover / Installer Torque Screwdriver

### 34101-040M

- Preset torque setting in order to remove & install valve cores correctly
- Prevent overloaded torque to cause damage on valves sensor cores
- Preset torque is 0.45 N-m (4.0 lbf-in)
- Ergonomics design with TPR handle

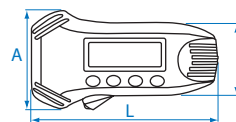
⚖️ 82 📦 24 / 96



## Digital Tire Gauge

### 9BM120

- Tyre pressure gauge specification :  
Unit range :  
0-100 psi / 0~7.0 bar / 0~7.0 Kgf-cm<sup>2</sup> / 0~700 kpa  
Display resolution :  
0.1 psi / 0.01 bar / 0.01 Kgf-cm<sup>2</sup> / 0.01 kpa
- Tread depth gauge specification :  
Unit range : 0-22mm / .8"(Gauge : mm / inch)  
Display resolution : 0.01mm / .001"  
Accuracy :  $\pm 1\%$

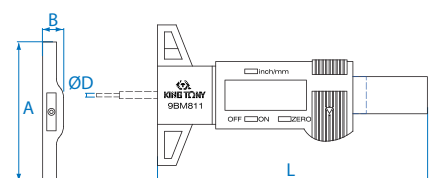


KT NO.	A mm	B mm	L mm	⚖️	📦
9BM120	53	38	101	53	12 / 96

## Digital Tire Tread Depth Gauge

### 9BM811

- Digital large LED LCD screen display
- Material : ABS Plastic, stainless steel needle
- One-touch switch between Metric / Inch system interchange
- Zero setting at any position
- Mini size, hand-held and portable
- Unit range : 0-25.4mm / 0-1"
- Display resolution : 0.01mm / .0005"



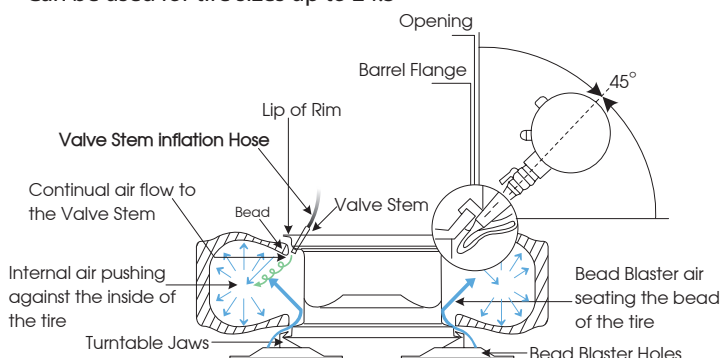
KT NO.	∅D mm	A mm	B mm	L mm	⚖️	📦
9BM811	1.5	60	9	116	39.6	25 / 100



# Tire Air Bead Seater

## 9HBL

- Capacity : 5 Gallon
- Used for seating tires for cars, trucks, ATVs, tractors
- Air gauge for easy and accurate air volume readings
- Can be used for tire sizes up to 24.5"

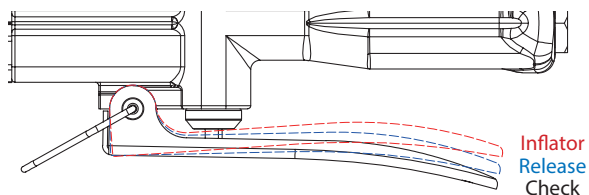


KT NO.	Type	Capacity	Max. pressure		
9HBL11-05	America	5 gallon	145 PSI	11.0	1
9HBL12-05	Europe	(20 L)	(10 bar)		

# 3-In-1 Inflator

## 9BM

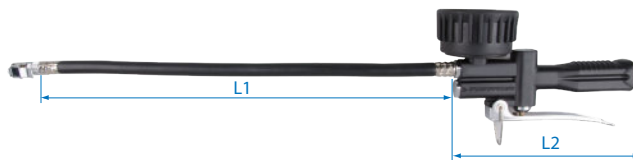
- Diaphragm pressure gauge
- Accuracy : ANSI B40.100 ± 3% ~ ± 2% ~ ± 3%
- Special rubber housing protects manometer against light impacts
- 3 functions(check, release, inflator) all together on the press handle
- Variable trigger, two control position inflate / deflate leve
- Flexible 400MM high pressure rubber hose with clip-on air tire chuck
- Pressure range : 0-160 PSI (9BM21) / 0-220 PSI (9BM22)
- Built in hang-up hook allows easy storage



9BM2110  
9BM2111  
9BM2210  
9BM2211



9BM2210A  
9BM2211A



9BM2-01

9BM2-02

KT NO.	Pressure range (Psi)	Air Inlet (BSPT/NPT)	L (mm) L1	L2	Air hose (ID)		
9BM2110	160	1/4"-19 BSPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2111	160	1/4"-18 NPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2210	220	1/4" BSPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2211	220	1/4" NPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2210A	220	1/4" BSPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2211A	220	1/4" NPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2-01	(included in all 9BM series)		20	-	-	25	-
9BM2-02	(included in 9BM2210A & 11A only)		185	-	-	105	-



# Wheel Lock Screw Socket Set

## 9BW0120

VW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most VW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :  
#521,#522,#523,#524,#525,#526,#527,#528,#529,#530,#531,#532,#533,#534,#535,#536,#537,#538,#539,#540

1.94 1 / 5

20 PC.

521	522	523	524	525
526	527	528	529	530
531	532	533	534	535
536	537	538	539	540



## 9BW0220

BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :  
#041,#042,#043,#044,#045,#046,#047,#048,#049,#050,#051,#052,#053,#054,#055,#056,#057,#058,#059,#060

1.94 1 / 5

20 PC.

041	042	043	044	045
046	047	048	049	050
051	052	053	054	055
056	057	058	059	060



## 9BW0123

VW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most VW models
- Chrome molybdenum, alloy steel chrome plated
- Contents :  
#51/6PT, #52/7PT, #53/8PT, #54/9PT, #55/10PT, #56/11PT, #57/18PT, #58/13PT, #59/14PT, #60/15PT, #61/16P, #62/17PTT, #ABC0/10PT, ABC1/11PT, ABC2/13PT, ABC3/14PT, ABC4/15PT, ABC5/16PT, #ABC6/17PT, ABC7/19PTABC8/20PT, ABC9/21PT, #494517M (1/2"DR. x 17mm)

1.57 1 / 10

23 PC.

ABC0/10PT	ABC1/11PT	ABC2/13PT	ABC3/14PT	ABC4/15PT
ABC5/16PT	ABC6/17PT	ABC7/19PT	ABC8/20PT	ABC9/21PT
51/6PT	52/7PT	53/8PT	54/9PT	55/10PT
56/11PT	57/12PT	58/13PT	59/14PT	60/15PT
61/16PT	62/17PT			



## 9BW0221

BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Contents :  
#30/13PT, #31/15PT, #32/16PT, #33/17PT, #34/18PT, #35/19PT, #36/20PT, #37/21PT, #38/22PT, #40/23PT, #13/16PT, #12/14PT, #11/15PT, #16/10PT, #15/11PT, #14/12PT, #19/8PT, #18/13PT, #17/7PT, #20/9PT, #494517M (1/2"DR. x 17mm)

1.48 1 / 10

21 PC.

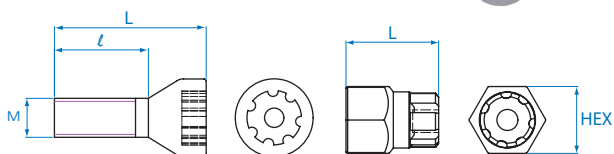
11/15PT	12/14PT	13/16PT	14/12PT	15/11PT
16/10PT	17/7PT	18/13PT	19/8PT	20/9PT
30/13PT	31/15PT	32/16PT	33/17PT	34/18PT
35/19PT	36/20PT	37/21PT	38/22PT	40/23PT



# Locking Nuts & Bolt

## WSB01

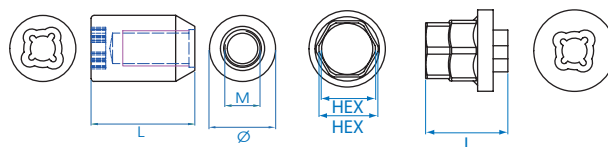
▪ Long Bolt



KT NO.	HEX	Thread M	l mm	L mm
WSB012802-5	-	M12 x 1.5	28	47
	13/16	-	-	29
WSB013006-5	-	M14 x 1.5	30	49
	13/16	-	-	29

## WSN04

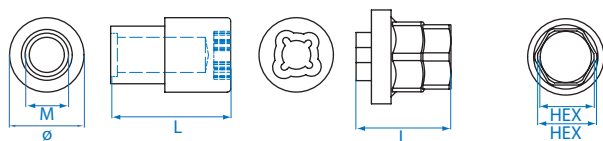
▪ Long Lock Nut



KT NO.	HEX	Ø	Thread M	L mm
WSN043601-5	-	23	M12 x 1.25	36
	19 x 13/16	-	-	28
WSN043602-5	-	23	M12 x 1.5	36
	19 x 13/16	-	-	28

## WSN14

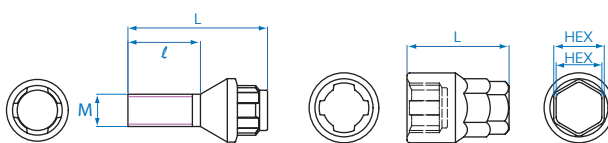
▪ Lock Nut



KT NO.	HEX	Ø	Thread M	L mm
WSN143601-5	-	23	M12 x 1.25	36
	19 x 13/16	-	-	28
WSN143602-5	-	23	M12 x 1.5	36
	19 x 13/16	-	-	28

## WSB02

▪ Cone Seat Bolt Lock



KT NO.	HEX	Thread M	l mm	L mm
WSB022701-5	-	M12 x 1.25	27.5	52.5
	17 x 3/4	-	-	38

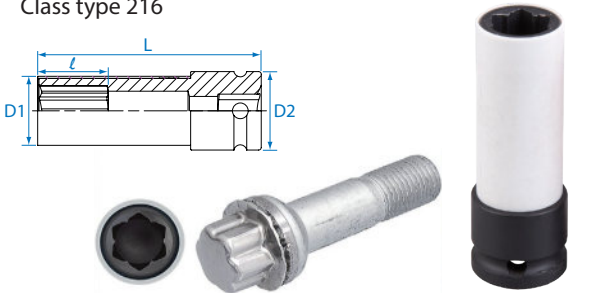





- Material - chrome molybdenum alloy steel
- Finishing - phosphate sunk

## Impact Socket for Hybrid Wheel Bolts Mercedes-Benz

**9BW4501**  1/2"

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Hybrid wheel bolts on e.g. MERCEDES-BENZ C-Class type 204, 204X E-Class type 211, 212, 207 SLK type 172 M-Class type 164, 166 S-Class type 221, 222 CL-Class type 216

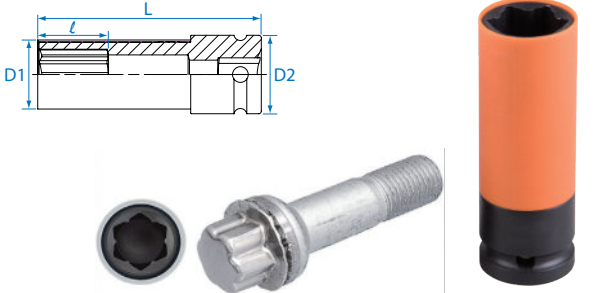





KT NO.	Size mm	D1 mm	D2 mm	ℓ mm	L mm			
9BW4501	17	26.4	30	26	85.5	229	5	60

## Impact Socket for Special Profile Wheel Bolts


**9BW4502**  1/2"

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Wheel nuts with special profile 21 mm on HYUNDAI i30, Tucson and KIA







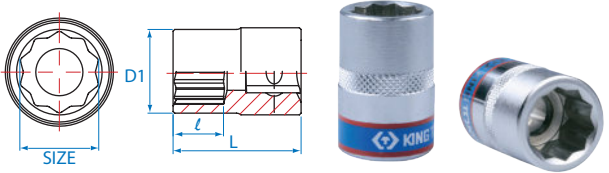
KT NO.	Size mm	D1 mm	D2 mm	ℓ mm	L mm			
9BW4502	21	28.5	30	26	85.5	252	5	60

## 10 Point Socket 20MM

**9BW4801**  1/2"



- 1/2" DR.
- 10 points
- Use for replacing and removing retaining screw on rear trailing arm on HONDA CR-V

KT NO.	 mm	D1 mm	ℓ mm	L mm			
9BW4801	20	25	15	38	88.0	10	160





# Stud/Hub Cleaning Tool & Set

## 9BK72

KT NO.	inch	L	mm		
9BK72-12	7/16		12	25.2	100
9BK72-13	1/2		13	25.4	100
9BK72-14	9/16		14	25	100
9BK72-16	5/8		16	25.6	100
9BK72-22	7/8		22	33.6	100
9BK72-28	1-1/18		28	38	100



## 9BK73






KT NO.	mm		
9BK73-14	14	13.2	100
9BK73-22	22	13.8	100
9BK711	150	101.8	100



## 9BK7008

- For cleaning corrosion from studs, especially useful for cleaning around the base of studs
- Includes one quick change handle and adaptor

8  
PC.







KT NO.	Contents	 545	 10
9BK72		12, 13, 14, 16, 22, 28	
7704-50		1/2"	
9BK711		1/2"	



## 9BK7009

- For cleaning corrosion from hubs and studs, especially useful for cleaning around the base of studs
- Includes one quick change handle and adaptor

8  
PC.

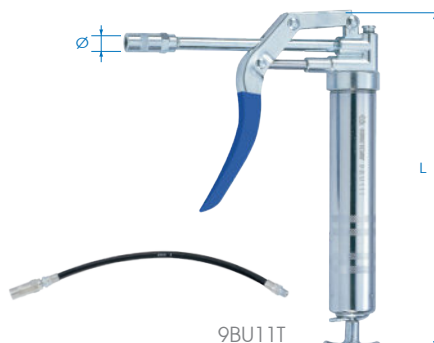
KT NO.	Contents	 480	 10
9BK72		14, 22	
9BK73		14 x 2, 22 x 2	
7704-50		1/2"	
9BK711		1/2"	



# Lubrication-Grease Gun

## 9BU11

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



## 9BU11T

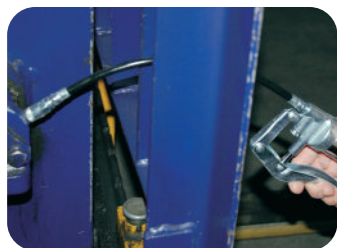


KT NO.	inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	oz	Kg	Box
9BU111	10-5/8	267	1/8 x 28 PT	2900	200	4000	275	120	3	0.61	1 / 30
9BU112	10-5/8	267	M10 x 1.0P	2900	200	4000	275	120	3	0.61	1 / 30
9BU111T	10-5/8	267	1/8 x 28 PT	2900	200	4000	275	120	3	0.68	1 / 30
9BU112T	10-5/8	267	M10 x 1.0P	2900	200	4000	275	120	3	0.68	1 / 30
9BU111/ 9BU111T	For general market except North America, Germany, South Africa, Egypt										
9BU112/ 9BU112T	For Germany, South Africa, Egypt, etc.										

# Lubrication-Grease Gun with 12" Tube

## 9BU143T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



## 9BU153T

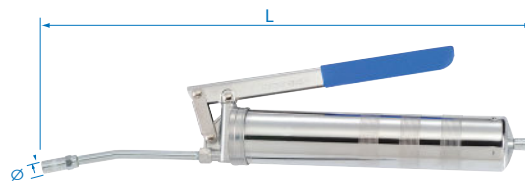


KT NO.	inch	L mm	Ø Screw thread	Working pressure PSI	Working pressure bar	Burst pressure PSI	Burst pressure bar	Capacity c.c.	oz	Kg	Box
9BU1431T	14-1/2	368	1/8 x 28 PT	4500	310	7000	483	400	14	1.36	1 / 12
9BU1432T	14-1/2	368	M10 x 1.0P	4500	310	7000	483	400	14	1.36	1 / 12
9BU1531T	14-1/2	368	1/8 x 28 PT	4500	310	7000	483	500	16	1.58	1 / 12
9BU1532T	14-1/2	368	M10 x 1.0P	4500	310	7000	483	500	16	1.58	1 / 12
9BU1431T / 9BU1531T	For general market except North America, Germany, South Africa, Egypt										
9BU1432T / 9BU1532T	For Germany, South Africa, Egypt, etc.										

# Lubrication-Grease Gun

## 9BU2

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



KT NO.	L		Screw thread	Working pressure		Burst pressure		Capacity		Kg	Box / Carton
	inch	mm		PSI	bar	PSI	bar	c.c.	oz		
9BU241	14	360	1/8 x 28 PT	4500	310	10000	700	400	14	1.18	1 / 16
9BU242	14	360	M10 x 1.0P	4500	310	10000	700	400	14	1.18	1 / 16
9BU251	14.2	365	1/8 x 28 PT	4500	310	10000	700	500	16	1.52	1 / 16
9BU252	14.2	365	M10 x 1.0P	4500	310	10000	700	500	16	1.52	1 / 16

9BU241 / 9BU251 For general market except North America, Germany, South Africa, Egypt  
 9BU242 / 9BU252 For Germany, South Africa, Egypt, etc.

# Lubrication-Grease Gun with 12" Tube

## 9BU2T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



9BU8109  
 9BU8209  
 9BU8112  
 9BU8212



KT NO.	L		Screw thread	Working pressure		Burst pressure		Capacity		Kg	Box / Carton
	inch	mm		PSI	bar	PSI	bar	c.c.	oz		
9BU241T	14	360	1/8 x 28 PT	4500	310	10000	700	400	14	1.24	1 / 16
9BU242T	14	360	M10 x 1.0P	4500	310	10000	700	400	14	1.24	1 / 16
9BU251T	14.2	365	1/8 x 28 PT	4500	310	10000	700	500	16	1.63	1 / 16
9BU252T	14.2	365	M10 x 1.0P	4500	310	10000	700	500	16	1.63	1 / 16
9BU8109	9	229	1/8 x 28 PT								
9BU8209	9	229	M10 x 1.0P								
9BU8112	12	305	1/8 x 28 PT								
9BU8212	12	305	M10 x 1.0P								

9BU241T / 9BU251T For general market except North America, Germany, South Africa, Egypt  
 9BU242T / 9BU252T For Germany, South Africa, Egypt, etc.



## Portable Bearing Packer

9BU41

- Quick and easy way to pack bearings with less mess
- Suitable for bearing diameter up to 89 mm
- Press the cap until old grease forced out and replaced by fresh grease

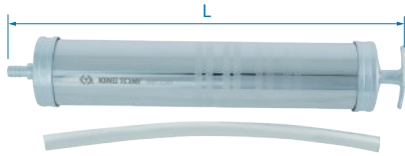
505.2 1 / 36



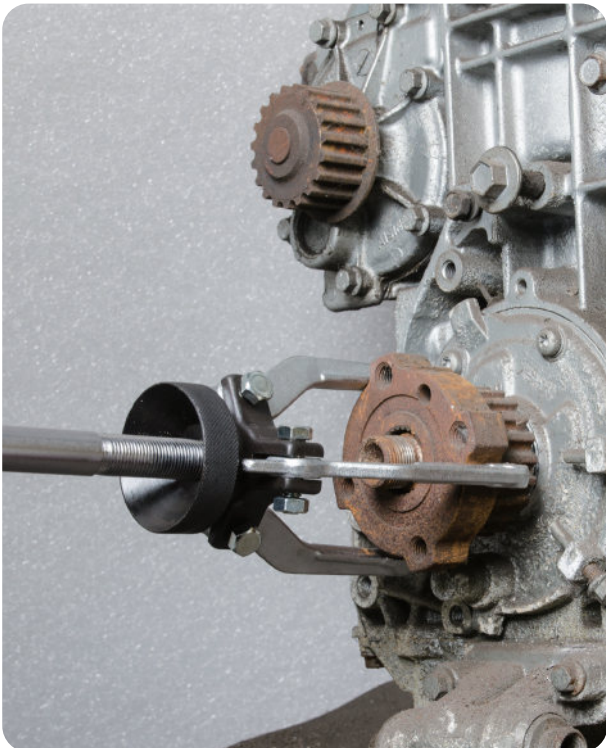
## Oil Suction Gun

9BT2

- Designed for all purpose, quickly draining and filling oil and other fluids for clutches, agricultural, and industrial chemical, additives, transmission on differentials, brake master cylinders, oil filters or other type of sumps or sampling engine oil
- Features 11" flexible plastic hose



KT NO.	L		Capacity c.c.	oz	770	1 / 20
	inch	mm				
9BT250	13.4	340	500	16	770	1 / 20
9BT2100	17.3	440	1000	32	1238	1 / 20



## Slide Hammer Puller Set

9BQ01

- 5 lbs / 2.2 kgs slide hammer with 500 mm shaft make more powerful
- Three types to use : internal/external puller, plate puller, dent puller
- Use for remove vehicle Hub, rear axle, bearing or repair dent, etc.

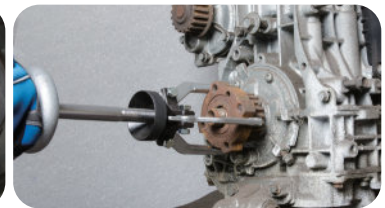
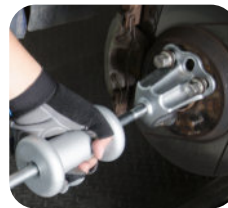
7.5 1/2



17  
PC.

CONTENTS:

- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller
- 1 PC. Hub puller
- 1 PC. Hook
- 1 PC. Locking pliers puller
- 1 PC. Dent puller
- 1 PC. Central bolt
- - Hex 19mm x 5/8" x 18UNF x L140mm
- 1 PC. Twin head
- 1 PC. Tripe head
- 1 PC. Adjustable nut
- 3 PC. 3.5" leg
- 3 set nut & bolt



## Axle Puller With Slide Hammer

9BQ11

- 5 lbs / 2.2 kgs slide hammer
- 500 mm T handle shaft

4 1/4

3  
PC.



CONTENTS:

- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller



# Auto Body Repair Tool

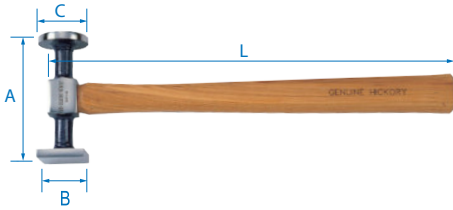


**CAUTION** Please wear proper safety gear while working.



## 9CF110

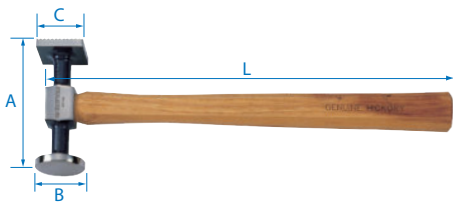
- Bumping hammer
- Flat face



KT NO.	A mm	B mm	C mm	L mm		
9CF110	98.5	38	40	325	440	6 / 36

## 9CF120

- Light shrinking hammer - smooth
- Flat face + milled square face



KT NO.	A mm	B mm	C mm	L mm		
9CF120	98	40	38	325	467	6 / 36

## 9CF130

- Straight pick & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF130	138	40	325	467	6 / 36

## 9CF131

- Curved pein & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF131	140	40	325	467	6 / 36

## 9CF132

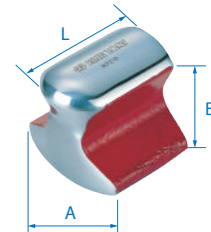
- Straight pein & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF132	141	40	325	460	6 / 36

## 9CF210

- Utility dolly



KT NO.	A mm	B mm	L mm		
9CF210	69	64	42.3	1380	6 / 12

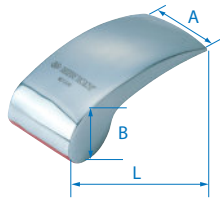


# Auto Body Repair Tool & Set



## 9CF220

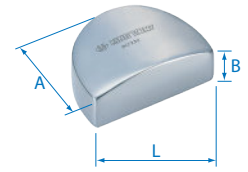
- Curved dolly



KT NO.	A mm	B mm	L mm		
9CF220	58.6	45	133	1630	6 / 12

## 9CF230

- Heel dolly



KT NO.	A mm	B mm	L mm		
9CF230	60	30	79.3	1130	6 / 12

## 9CF240

- Toe dolly



KT NO.	A mm	B mm	L mm		
9CF240	58.5	29.1	121	1400	6 / 12

## 9CF241

- Thin toe dolly



KT NO.	A mm	B mm	L mm		
9CF241	55	24	118	960	6 / 12

## 9CF-107

## 9CF-207

## 9CF-307

- All drop forged medium(SAE/AISI 1045,1055) carbon steel
- Hammers are hardened and tempered, including 3 hardwood handled hammers and 4 dollies

**7**  
PC.



9CF-107



9CF-207



9CF-307

KT NO.	Contents			
9CF-107	9CF130	9CF240	7.50	1 / 2
9CF-207	9CF131	9CF220  9CF230	7.10	
9CF-307	9CF132	9CF241  9CF210	7.10	



## Pneumatic Dent Puller

### 9CH212

- With 3 LB ( 1.36 kgs ) sliding hammer
- With brass valve and 1/4" air plug
- With 13" length inlet hose
- With 2 PC. pads ( 120mm , 150mm )
- Air exhaust from the handle
- Working pressure 90 PSI

17.00 1/4



## Bodywork File & Set

### 9CM01

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- Lightweight aluminium body
- 1 PC. file included



9CM11

9CM209



KT NO.	Version	Teeth inch	Length mm		
9CM01	rough	8	355	1580	1 / 20

### 9CM2

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- For 9CM11



KT NO.	Version	Teeth inch	Length mm		
9CM209	rough	8	355	330	1 / 50
9CM212	fine	12	355	330	1 / 50

## Slide Hammer Bodywork Puller Set

### 9CH01

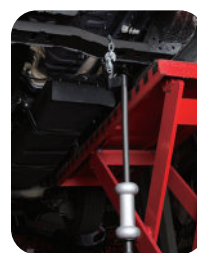
- 6 lbs / 2.7 kgs slide hammer with 540 mm shaft make more powerful
- Variety attachment adaptor suitable for different situation
- Use for vehicle body panel and chassis or other metal distortion etc.

8.50 1/2



#### CONTENTS:

- 1 PC. 540 mm handle shaft
- 1 PC. 6 lbs / 2.7 kgs hammer
- 1 PC. Large curve hook
- 1 PC. Small curve hook
- 1 PC. Large 90° hook
- 1 PC. Small 90° hook
- 1 PC. Flat squashed attachment
- 1 PC. Straight attachment
- 1 PC. Double attachment
- 1 PC. Tapping screw
- 1 PC. Hook attachment with chain



## Putty Knife

### 9CJ1112

1-1/4"



KT NO.	A inch	A mm	L inch	L mm		
9CJ1112	1-1/4	32	8-1/2	218	60.0	24 / 144

### 9CJ1120

2"



KT NO.	A inch	A mm	L inch	L mm		
9CJ1120	2	50	8-1/2	218	70.0	24 / 144



## Putty Knife

9CJ1130

3"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ1130	3	76	8-1/2	218	82	24 / 144

## Bolstered Scraper

9CJ2120

2"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ2120	2	50	8-1/2	218	140	24 / 144

## Stainless Steel Putty Knife Set

9CJ013



3 PC.

Contents

0.20 g 10 / 40



9CJ1112



9CJ1120



9CJ1130

## Stainless Steel Bolstered Scraper Set

9CJ023



3 PC.

Contents

0.40 g 10 / 40



9CJ2112



9CJ2212



9CJ2120

## Bolstered Scraper

9CJ2112

1-1/4"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ2112	1-1/4	32	8-1/2	218	120	24 / 144

9CJ2212

1-1/4"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ2212	1-1/4	32	8-1/2	218	120	24 / 144

## Pinch Weld Scraper

9CJ3104

1/2"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ3104	1/2	12	6-1/2	168	75	24 / 144

9CJ3105

5/8"



KT NO.	inch	mm	inch	mm	g	ctn / pc
9CJ3105	5/8	15	8-1/2	218	108	24 / 144

## Pinch Weld Scraper

9CJ3106

3/4"



KT NO.	inch	A mm	inch	L mm	kg	ctn / pc
9CJ3106	3/4	19	6-1/2	168	75	24 / 144

## Multi Purpose Single Edge Razor Scraper

9CJ61-40

- Ideal for scraping labels and decals
- Comfortable TPR handle for maximum grip
- Accepts all standard single edge razor blades



KT NO.	inch	A mm	inch	L mm	kg	ctn / pc
9CJ61-40	1-1/2	40	9	235	145	6 / 72

## Stainless Steel Pinch Weld Scraper Set

9CJ033



3 PC.

Contents

kg 0.30 ctn / pc 10 / 40



## Mini Panel Removal Set

9CI016

- Easy to remove small trim items and panels with slim profile
- Made from impact resistant high quality nylon
- Applicable: Air vents, door panels, door locks, dash trim, internal fittings, etc.

kg 0.30 ctn / pc 12 / 48

6 PC.

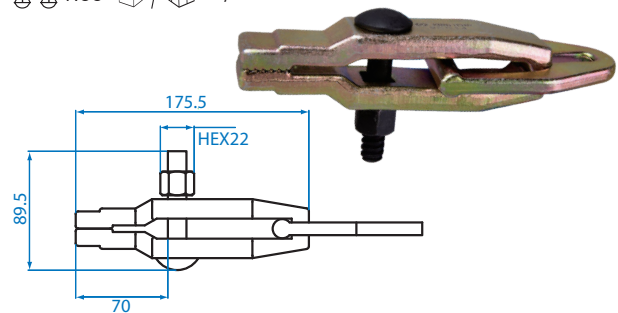


## Long Nose Clamp

9CD14

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 32mm
- 3 Ton straight pulling capacity

kg 1.83 ctn / pc 1 / 10

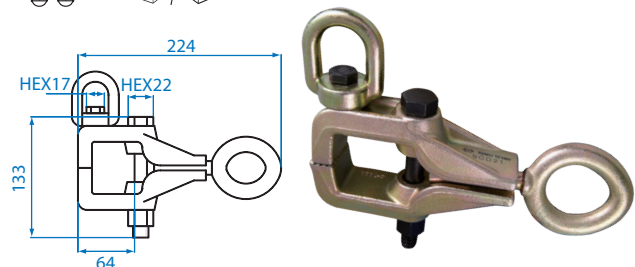


## Large Pull Clamp With Top Pull

9CD21

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 37mm
- Two-way pull operation
- Dual self-tightening serrated jaws for a positive grip
- Capacity : 3 ton (straight way), 2 ton (cross way)

kg 2.45 ctn / pc 1 / 6

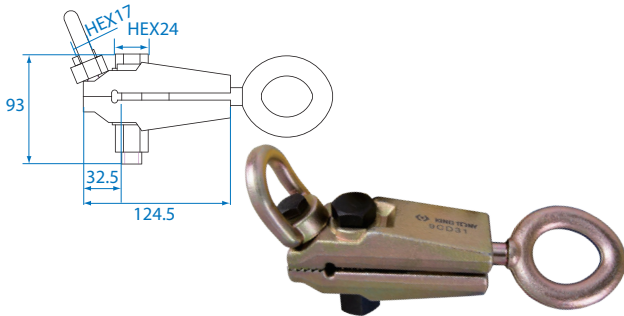


## Small Pull Clamp With Top Pull

9CD31

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 44mm
- 44mm wide mouth with teeth
- With top pull and 360 degree self tightening pull ring
- Dual self-tightening serrated jaws for a positive grip
- Ideal for work in tight areas
- Capacity : 5 ton (straight way), 2 ton (cross way)

🔧 2.38 📦 1 / 6



## Double Suction Pad Holder

9CW21

- Lifting up to 65 kg in horizontal position
- Adjustable handle designed for curved surface
- Ø120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal, etc.



KT NO.	Ø mm	Load capacity kg	🔧	📦
9CW21	120	65	805	4 / 8

## Windscreen Remove Tool Set

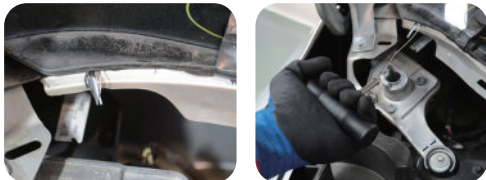
9CW01

- Use for removing glued of vehicle windows
- Use A with C to pierce the wire through the adhesive beads
- Use the cutting wire with B to remove adhesive beads



CONTENTS :

- A - Wire feeder tool
- B - Wire pull handle - pair
- C - Triangle cutting wire - 22 meters



KT NO.	Wire L m	T Handle L mm	🔧	📦
9CW01	22	330	456	8 / 32

## Single Suction Pad Holder

9CW22

- Lifting up to 40 kg in horizontal position
- Ø120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal...



KT NO.	Ø mm	Load capacity kg	🔧	📦
9CW22	120	40	351	6 / 48



## Alternator Tool & Set

- Specialized in removing & installing freewheel pulleys on alternator
- Ideal for dismantling and assembling the free wheel pulley while changing the alternator or pulley
- The pulley shaft is held in place with the bit on 1/2" DR. socket whilst the nut is undone using the 33 teeth union nut with 19mm spanner
- Suitable generator brand: Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/ Peugeot, Mercedes, Renault, BMW, Fiat, Ford, Toyota, etc.

### 9DA103

1/2"

- M10 spline



KT NO.	Size	Overall length mm		
9DA103	M10	113	151	10 / 120

### 9DA104

1/2"

- T50 Star



KT NO.	Size	Overall length mm		
9DA104	T50	113	151	10 / 120

## Alternator Tool & Set

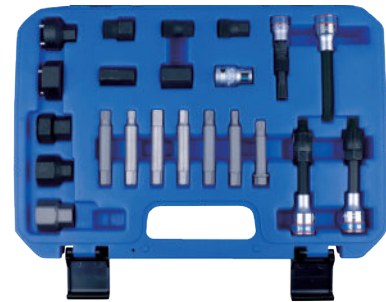
### 9DA022

- Specialized in removing & installing freewheel pulleys on alternator
- Suitable generator brand : Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/Peugeot, Mercedes, Renault, BMW, Fiat, Ford, Toyota, etc.

CONTENTS:

- 3 PC. Combined bit socket – 3/8" DR. x M10 x 90mmL / 1/2" DR. x T50 x 113mmL / 1/2" DR. x M10 x 113mmL
- 1 PC. Spline bit socket 1/2" DR. x M10 x 110mmL
- 3 PC. 33 teeth socket – 15mm HEX x19mm / 15mm Hex x17.5mm / 22mm Hex
- 2 PC. Hex nut – 22mm x 30mmL (Ø12.0mm) / 17mm x 35mmL (Ø14.7mm)
- 1 PC. - 35mm Round x 17mm hex (four pin)
- 1 PC. - 38mm Hex adaptor (three pin)
- 1 PC. - 28.6mm Round x H28 x H22 x 32mmL
- 2 PC. - Hexagon head nut – 28H x H19 x 35mmL / 28H x H21 x 36mmL
- 1 PC. - M10 x H12 bit 64mmL
- 6 PC. - 10mm shank head bits 75mmL – T40 / T50 / M8 / M10 / H8 / H10
- 1 PC. - 1/2" DR. Bit holder

2.57 1 / 5



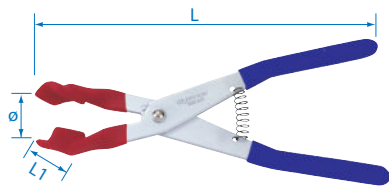
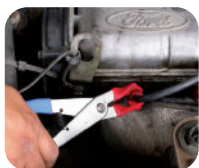
22 PC.



## Spark Plug Boot Pliers

### 9DB201

- Remove spark plug cables safely and prevent cable damage
- Pliers' handles and jaws are coated with a heavy-duty plastic for sure grip

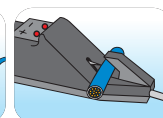
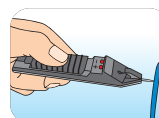
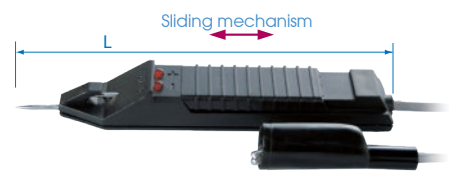


KT NO.	L mm	Ø mm	L1 mm		
9DB201	260	14~18	20	266	12 / 48

## Automotive Voltage Tester

### 9DC23

- Insulated alligator clip with 150 cm cable
- 2 LEDs indicate positive(+)/negative(-) polarity
- Test voltage 3~48V
- For application of D.C. circuits only
- Two testing methods as illustration



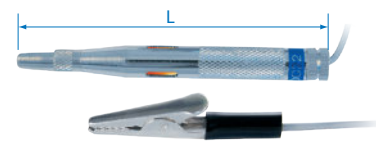
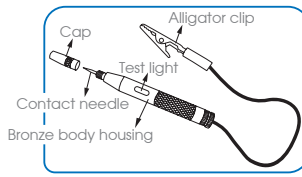
KT NO.	L mm	Test range		
9DC23	150	3~48V	52	10 / 100



# Circuit Tester

## 9DC22

- Bronze body housing
- Cover cap for contact needle
- Bulb of 24V/3W interchangeable
- For 6/12/24V DC systems
- For application of D.C. circuits only



KT NO.	L mm	Test range		
9DC22	107	6~24V	50	20 / 200

# Digital Display Circuit Tester

## 9DC242

- For 6/12/24V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Bigger heavy duty insulated alligator ground clip
- 3M long retractable cable
- LCD display easy to read digital voltage display
- Powered from the power source being measured, no batteries required
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board



Specification	
Measured voltage	5~28V
Testing current	<10mA
Operating temp	-10~50° C
Operating humidity	<80%

KT NO.	Test range		
9DC242	6, 12, 24	225	10 / 60



Positive (+) polarity



Negative (-) polarity

# Circuit Tester with Nixie Display

## 9DC243

- For 12/24/48V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Test by car battery or negative ground conversion
- 3M long retractable cable
- 1M extension cable
- Powered from the power source being measured, no batteries required
- Nixie display easy to read digital voltage display
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board



(-) polarity (+) polarity (-) polarity <0.3V > 62V



Specification	
Measured voltage	0.3~60V
Testing current	<10mA
Operating temp	0~50° C
Operating humidity	≤ 80%

KT NO.	Test range		
9DC243	12, 24, 48	277	10 / 60



Positive (+) polarity



Negative (-) polarity





## Battery Tester

### 9DD21

- Test battery hydrometer quickly
- Use to check battery condition and charge state
- Detects hot or cold overcharge accurately
- For 6 / 12 / 24 volt system

⚖️ 85 📦 10 / 100



## Mechanic's Stethoscope

### 9DH11

- Ears covered with plastic, effective to separate from outside noise
- 210mm extension probe can expand the space while operating or using in narrow space
- Quickly to find and detect the abnormal noise with the probe
- Use for detecting various vehicles parts or machine equipment

⚖️ 147 📦 12 / 72



## Digital Glow Plug Tester

### 9DM1A1

- Suitable for steel and ceramic glow plugs
- LCD Display
- Short circuit protection & reverse charging protection
- Auto power off : 110 seconds
- 9V batteryx1 (included)
- CE approval



KT NO.	Glow plug(V)	Size(mm) L x W x H	⚖️	📦
9DM1A1	3.5-4.4-5-7-8.5 10-11-24	135 x 78 x 33	356	6 / 36



# Gasoline Engine Injection Pressure Tester Kit

## 9DP1101

- Used to identify and diagnose low fuel pressure
- Shockproof gauge with dual reading of 0~120 PSI and 0~8 bar
- Various kit of adapters for most injection systems of European, Japanese and American vehicles, includes Bosch CIS, GM TBI and MFI system



81 PC.

5.0 1 / 4

No.	Description	No.	Description
1	1 PC. (0-120 psi/0-8bar)	20	1 PC. Adapter (M14 male-female)
2	1 PC. Connector Hose	21	1 PC. Adapter (M10 male-M12 male)
3	1 PC. Connector Hose	22	1 PC. Adapter (M10 female-M12 male)
4	1 PC. Connector Hose	23	1 PC. Adapter (M8 female-M12 male)
5	1 PC. Connector Hose	24	2 PC. Adapter (M8 male-M12 male)
6	1 PC. Connector Hose	25	1 PC. Adapter (M14 male-M12 male)
7	1 PC. Connector Hose	26	1 PC. Adapter (M16 male-M12 male)
8	1 PC. Connector Hose	27	1 PC. Adapter (Banjo bolt M12)
9	2 PC. Connector Tube (5/8"-18 male nut)	28	1 PC. Adapter (Banjo bolt M12)
10	2 PC. Connector Tube (5/8"-18 invert flare nut)	29	1 PC. Adapter (Banjo bolt M10)
11	2 PC. Adapter (M16 female~5/8")	30	1 PC. Adapter (Banjo bolt M8)
12	2 PC. Adapter (M14 female~3/8")	31	1 PC. Adapter (Banjo bolt M6)
13	2 PC. Adapter (M16 female~3/8")	32	1 PC. Adapter
14	2 PC. Adapter (M14 female~3/8")	33	1 PC. Adapter (M8 male-M12 male)
15	2 PC. Adapter (M16 ar-10mm)	34	1 PC. Adapter (M16 female-M12 male)
16	1 PC. Adapter	35	1 PC. Adapter (M14 female-M12 male)
17	1 PC. Manifold Adapter	36	1 PC. Gauge Hook
18	1 PC. Manifold Adapter	37	1 PC. Repair Pack
19	1 PC. Adapter (90 degrees)		

# Gasoline Compression Tester Kit

## 9DP130

- Suitable for petrol engines on lawn mowers, motorbikes, cars, trucks and so on.
- Quickly diagnose problems with pistons, rings, and valves
- Gauge has dual color scale with 0-300 PSI, 0-20 Kpa
- Easy pressure release button on side of tester
- Brass corrosion resistant fittings



9DP1301

8 PC.



9DP1302

3 PC.

KT NO.	Max Pressure	1206	1100
9DP1301	300PSI / 20Kpa	1206	1 / 10
9DP1302	300PSI / 20Kpa	1100	1 / 10

# Diesel Engine Compression Tester Kit

## 9DP2301

- Suitable for testing cars and light commercial vehicles with direct or indirect injection on diesel engine
- Gauge reading range from 0-1000 PSI (0-70 bar)
- Includes a pressure gauge, various connect adapter and replacement seal & washer



11 PC.

2.58 1 / 6

No.	Description	No.	Description
A	1 PC. 2-1/2" gauge with 420mm hose	H	1 PC. Glow plug adapter (114mm*M10*1.25)
B	1 PC. Glow plug adapter (73.5mm*M10*1.25)	I	1 PC. Glow plug adapter (119mm*M10*1.0)
C	1 PC. Glow plug adapter (54mm*M12*1.25)	J	1 PC. Dummy injector (75mm*M20*1.5)
D	1 PC. Glow plug adapter (72mm*M14*1.25)	K	1 Set Seal & washer
E	1 PC. Dummy injector (114mm)	L	1 PC. 90° Elbow
F	1 PC. Dummy injector (64mm*M24*2.0)	M	1 PC. Clamp plate
G	1 PC. Stanadyne dummy (112mm)		



# Oil Pressure Tester Kit

## 9DP3201

- Suitable for testing engine oil pressure and transmission pressure
- Applicable to both gasoline and diesel engines, also suitable for passenger cars and light trucks
- Gauge reading range from 0-150 PSI (0-10 bar)
- Provided with an oil filter clamp for piercing through oil filter canister when oil pressure switch is hard to access

2.10 1 / 5

Adapter

Black (Imperial threads)	Silver (Metric threads)
1/2" x 20 UNF	M10 x P1.0
3/8" x 20 UNF	M12 x P1.5
1/4" x 18 NPTF	M14 x P1.5
1/8" x 27 UPT	M16 x P1.5
R 1/8" DIN	M18 x P1.5



13  
PC.

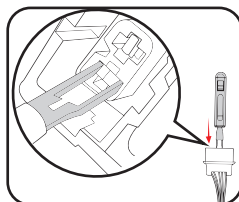
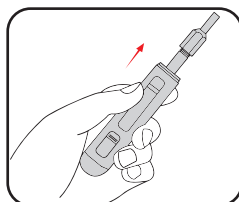


# Universal Terminal Release Tool Set

## 9DT11

- Suitable for most of the vehicles, VW Group, BMW, Opel, Renault, Ford, Daimlerchrysler, Fiat, Toyota and Saab
- Use to loose contacts easily or carry out other applications in the field of car electricity

A	9DT11-1	ABS 4.0mm round terminal
B	9DT11-2	3.5mm round terminal
C	9DT11-3	1.5mm round terminal
D	9DT11-4	Maxi power timer
E	9DT11-5	Pit pod / Faston 6.3mm
F	9DT11-6	JPT / SPT
G	9DT11-7	Micro timer 11
H	9DT11-8	Standard tool
I	9DT11-9	Standard 2.72mm
J	9DT11-10	Standard 1.48mm
K	9DT11-11	Standard 1.89mm
L	9DT11-12	Micro standard



12  
PC.

850 1 / 10

# Safety Goggles

## 9CK

- Soft PVC frame & lens high impact clear polycarbonate
- Anti-dust and anti-impact vents

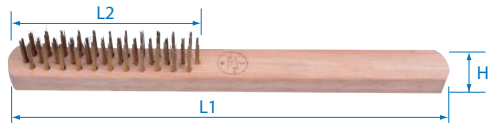
KT NO.	L1		L2		Weight	Quantity
	inch	mm	inch	mm		
9CK-101	2-7/8	74	6	153	70	20 / 200
9CK-102	2-1/2	63	6-1/4	170	38	6 / 60



## Steel Wire Brush

### 9CZ101

- Material : wood handle / steel wire
- Wire brush with three rows



KT NO.	H mm	L1 mm	L2 mm		
9CZ101	22	258	105	65	24 / 144

## Pressure Oil Can

### 9TB225

### 9TB500

- Material: Plastic body (9TB225)
- Material: Metal body (9TB500)



KT NO.	Capacity c.c.		
9TB225	225	103	1 / 160
9TB500	500	302	10 / 60

## A/C Leak Detector UV Light & Safety Glasses

### 9TQ03

- Universal tube(40cm) designed to reach into narrow space
- 3-UV light bulb with safety glasses
- Works with two LR3 AA batteries (not included)



KT NO.	Contents		
9TQ03	9TQ31	1 PC.	263 1 / 18
	9CK-102	1 PC.	

## Flexible A/C Detective Light

### 9TQ31



KT NO.	L1 mm	L2 mm	L3 mm		
9TQ31	34	400	140	107	1 / 5

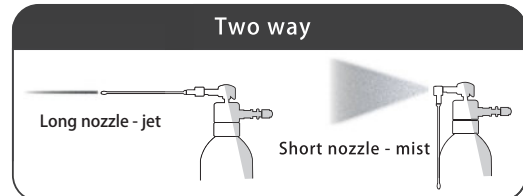
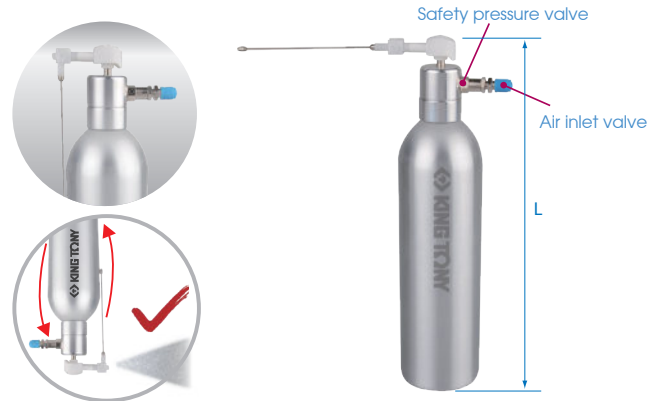
## Refillable Pressure Sprayer



Always wear eye protection while using this tool

### 9TBA650

- Suitable for lubrication, cleaning brake systems, removing dust and being anti-rust
- Two-position folding nozzle for a standard or long stream spray pattern for narrow and areas which are difficult to reach
- Aluminum canister
- Do not use with strong chemical or corrosive fluid



KT NO.	inch	L mm	capacity		
9TBA650	11	287	650 cc	290	1 / 12

spare nozzle #9TBA650BTK

## Clip Removal Pliers

### 9TC101

- For removal of door inner-linings and other trim items held in place by plastic rivets



KT NO.	inch	L mm		
9TC101	9	230	241	12 / 48

## Pry Bar & Set

- Grip material - PP+TPR
- Chrome vanadium alloy steel

### 9TK1

- Packaged in plastic tray
- Pry bars are for prying and levering
- Sturdy blade minimizing lever spring effect
- It's hardened and tempered for maximum durability



KT NO.	L mm		
9TK108	204	110	6 / 72
9TK112	312	286	6 / 48
9TK118	458	514	6 / 48
9TK124	608	655	6 / 36

### 9TK014



4 PC.

Contents

1.87 5 / 10

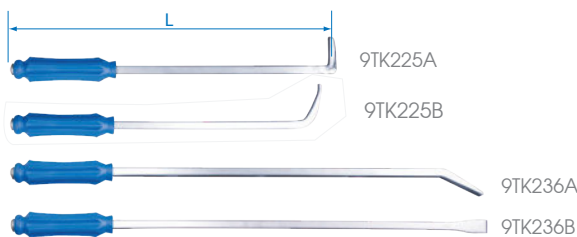


9TK108, 9TK112, 9TK118, 9TK124

## Jumbo Pry Bar & Set

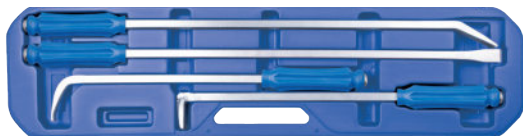
### 9TK2

- For heavy-duty application
- Includes straight, 90, 45, 30 degree tip for variety situation to use
- Extra long pry bar makes more powerful for prying and levering



KT NO.	inch	L mm	Type		
9TK225A	25	625	90°	1620	1 / 6
9TK225B	25	625	45°	1510	1 / 6
9TK236A	36	920	30°	2070	1 / 12
9TK236B	36	920	Straight	2060	1 / 12

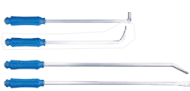
### 9TK024



4 PC.

Contents

9.34 1 / 10



9TK225A  
9TK225B  
9TK236A  
9TK236B

## Rolling Head Pry Bar & Set

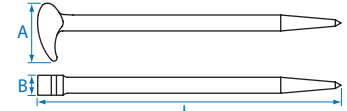
- Material - chrome vanadium alloy steel
- Finishing - Black phosphate with polished head



**CAUTION** Please wear proper safety gear while working.

### 9TK3

- With a long tapered end for alignments and a rolling head for prying



KT NO.	inch	L mm	A mm	B mm		
9TK306	6	151	29.0	10.0	75	10 / 200
9TK312	12	305	36.5	12.3	252	2 / 40
9TK316	16	405	45.6	14.5	501	2 / 20
9TK320	20	504	60.2	18.0	952	2 / 20

### 9TK034



4 PC.

Contents

1.73 1 / 8



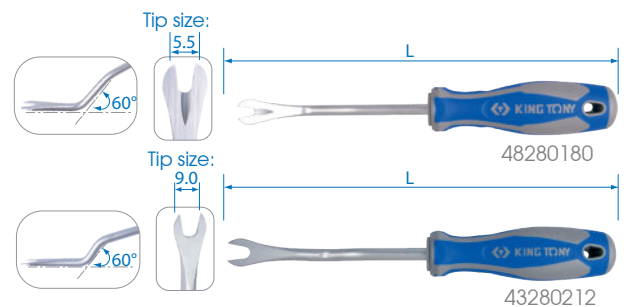
## Door Upholstery Remover

- Grip material - PP+TPR
- Chrome vanadium alloy steel

### 43280212

### 48280180

- Special tool to remove the lining and clip of the car



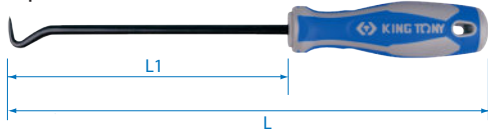
KT NO.	Tip mm	L mm	Type		
48280180	5.5	210	60°	90	12 / 144
43280212	9	240	60°	134	12 / 144



# Hook & Pick Set

## 43250115Y

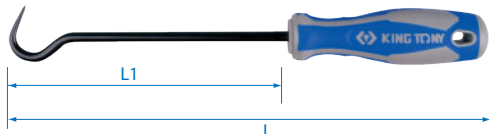
- 10" Bent-pick



KT NO.	L mm	L1 mm		
43250115Y	260	150	94	12 / 144

## 43260115Y

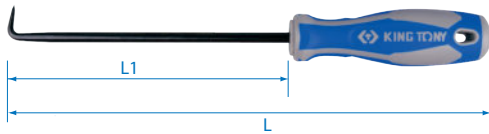
- 10" Hook-pick



KT NO.	L mm	L1 mm		
43260115Y	260	150	96	12 / 144

## 43270115Y

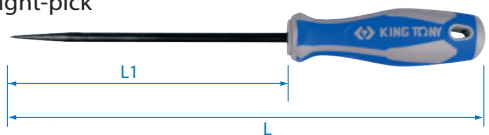
- 10" 90°-pick



KT NO.	L mm	L1 mm		
43270115Y	260	150	94	12 / 144

## 43290115Y

- 10" Straight-pick



KT NO.	L mm	L1 mm		
43290115Y	260	150	91	12 / 144

## 9-30904AY

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers



4 PC.



Contents

0.43 1 / 10

	43250115Y		43270115Y
	43260115Y		43290115Y

## 43240115Y

- Wide scraper
- Use for removing old gaskets more easily and quickly



KT NO.	L mm	L1 mm		
43240115Y	260	150	149	12 / 144

## 30914AY

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers

Contents

62.8 6 / 72

	43350175Y		43360175Y
	43370175Y		43390175Y



4 PC.










# Hook & Pick Set

9-30909AY

Tray category #8 (375 x 187mm)

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers
- Use for removing old gaskets more easily and quickly

9 PC.

Contents		0.69	1 / 12
	43250115Y		43350175Y
	43260115Y		43360175Y
	43270115Y		43370175Y
	43290115Y		43390175Y
	43240115Y		

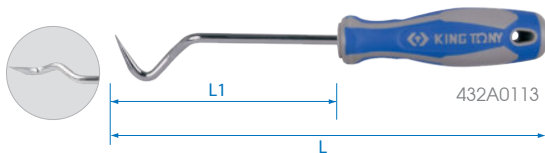


# Radiator Hose Removal Tools

- Grip material - PP+TPR
- Chrome vanadium alloy steel

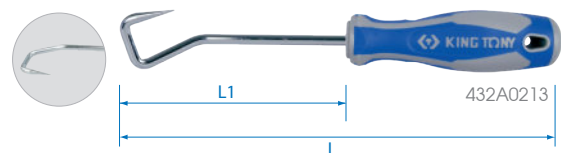
432A0113

- 9-1/2" Lightning type removal tools
- 9-1/2" U type removal tools



KT NO.	L mm	L1 mm	93	12 / 96
432A0113	240	130	93	12 / 96

432A0213



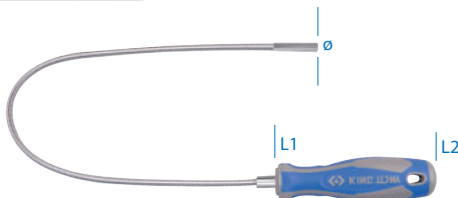
KT NO.	L mm	L1 mm	101	12 / 96
432A0213	240	130	101	12 / 96

# Magnetic Flexible Handle

- Grip material - PP+TPR

2121

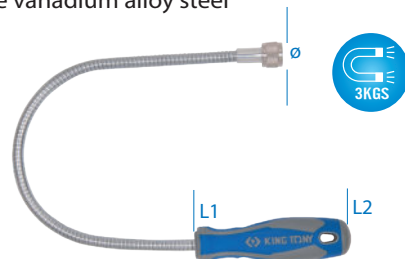
- Enhanced flexible conduit for perfect shaping
- More powerful magnetic force



KT NO.	Size	Dia x length(mm) L1 L2	Magnetic power(kg)	100	1 / 100
2121-12	12"	Ø 5 x 305 415	0.5	100	1 / 100
2121-18	18"	Ø 5 x 457 567	0.5	120	1 / 80

2121A

- Powerful magnet retrieves metal objects up to 3kg
- Slide cap prevents retrieving foreign objects
- Enhanced flexible conduit for perfect shaping
- Grip Material-PP+TPR
- Chrome vanadium alloy steel



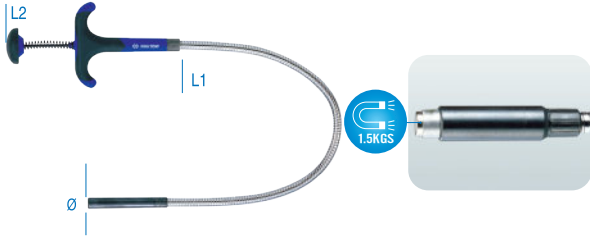
KT NO.	Size	Dia x length(mm) L1 L2	Magnetic power(kg)	250	1 / 25
2121A-15	15"	Ø 18 x 381 491	3	250	1 / 25
2121A-18	18"	Ø 18 x 457 567	3	270	1 / 25



## Magnetic Pickup Tool

2124

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Comfortable pushing strength

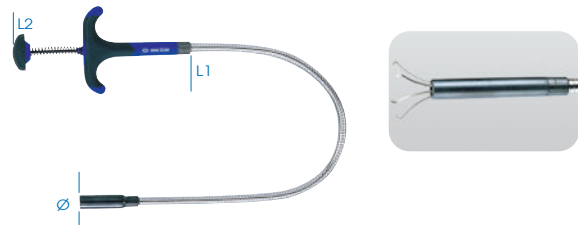


KT NO.	Size	Dia x length(mm)		Magnetic power(kg)	Icons	
		L1	L2			
2124-18	18"	Ø13.5	x 450	610	1.5	181 1 / 36

## Claw Pickup Tool

2126

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- Maximum claw width 1-1/4"
- Comfortable pushing strength

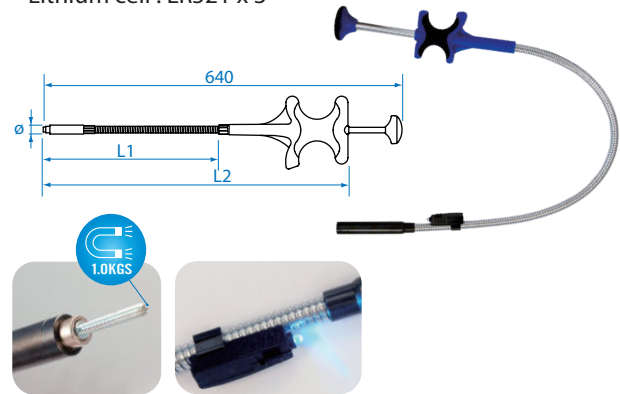


KT NO.	Size	Dia x length(mm)		Icon	Icons	
		L1	L2			
2126-18	18"	Ø11	x 450	610	1-1/4"	181 1 / 36

## 3 in 1 Pickup Tool

2129-24

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Hook type claw
- Clamp light
- Comfortable pushing strength
- Lithium cell : LR521 x 3



KT NO.	Size	Dia x length(mm)		Magnetic power(kg)	Icon	Icons	
		L1	L2				
2129-24	24"	Ø13	x 470	570	0.4	1-1/4"	280 12 / 48

## Telescoping Magnetic Pick-Up Bar

2128-26

- Pen style for carrying conveniently



KT NO.	Extendable Length mm	Magnetic Power	Icons	
2128-26	130~640	3.5LBS/1.6KGS	45.6	50 / 200

## Auto Inspection Tool Set

9TQ01

- Contents :
  - 9TQ01-1  
Stainless steel telescopic bar
  - 9TQ01-2  
3.5 lbs. magnet pick-up with LED light
  - 9TQ01-3  
Strong 8.0 lbs. magnet pick-up
  - 2126-18  
1/4"DR. T handle swivel head reversible ratchet
  - 9TQ01-4  
Round magnetic dish Dia. 100mm
  - 9TQ01-5  
Round inspection mirror-Dia. 50mm
  - 9TQ01-6  
Rectangular inspection mirror 89 x 50mm

1.52 Kg 1 / 5



7 PC.





# Multi-Function Telescoping Bar

9TQ21

87 50 / 100



Magnetic Pick-Up Bar



Magnetic power : 1.3 lbs / 0.6 kgs  
Extendable length : 635 mm

38 mm Diameter Inspection Mirror



To inspect hidden or narrow areas  
Double ball joint links swivel mirror for viewing to 360°

Scriber



To mark lines on workpieces  
To clean the water-spurting hole of the windscreen wiper

# 3 in 1 Flexible Inspection Bar

9TQ02

203 12 / 72

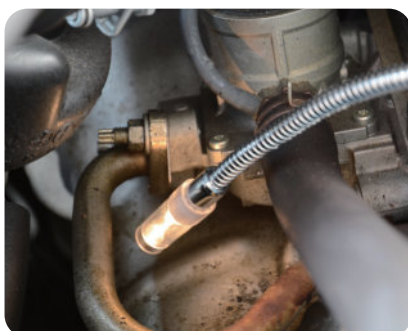


Magnetic Pick-Up Bar



Magnetic power : 3.5 lbs / 1.6 kgs  
Length : 450 mm

Blub



Size: 2.2 V , 0.25 A  
Operates On 2 AA Batteries  
(Not Included)

Inspection Mirror



50 x 25 mm playground shape  
To inspect hidden or narrow areas  
Double ball joint links swivel mirror



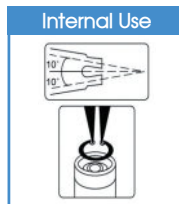
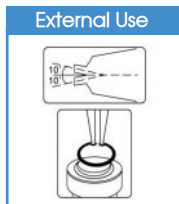
# 10-1/2" Internal-External Heavy Duty Circlip Pliers Set

## 45115PP

- Internal & External circlip pliers 10-1/2" 265 mmL, maximum spread 45 mm
- Interchangeable tips 0°, 15°, 45°, 90°
- Internal ring 65~140 mm, External ring 65~120 mm
- Interchangeable tips 2.75 mm and 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

### Contents

	1 PC. Internal straight circlip pliers
68GS-11	
	1 PC. External straight circlip pliers
68RS-11	
	1 Set. 15° Internal interchangeable
68GR-01	
	1 Set. 45° Internal interchangeable
68GQ-01	
	1 Set. 90° Internal interchangeable
68GB-01	
	1 Set. 15° External interchangeable
68RR-01	
	1 Set. 45° External interchangeable
68RQ-01	
	1 Set. 90° External interchangeable
68RB-01	
	1 Set - Screws (6 PC. M5x0.8)
68ZZ-01	



15 PC.

KT NO.	L		Spread		Ømm	Ømm	kg	/
	inch	mm	inch	mm				
45115PP	10-1/2	267	2	50	-	-	1.30	1 / 10
68GS-11	10-1/2	267	2	50	65~140	3	0.31	25 / 50
68RS-11	10-1/2	267	2	50	65~120	2.75	0.32	25 / 50

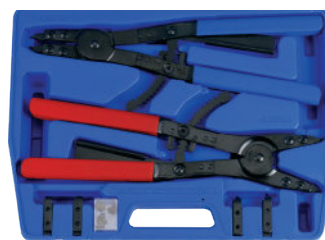
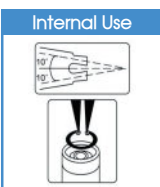
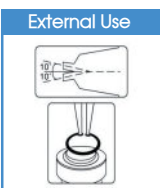
# 16" Internal-External Heavy Duty Circlip Pliers Set

## 45211PP

- Internal & External circlip pliers 16" 400 mmL, maximum spread 85 mm
- Interchangeable tips 0°, 45°, 90°
- Internal ring 78-155 mm, External ring 88~165 mm
- Interchangeable tips 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

### Contents

	1 PC. Internal straight circlip pliers
68GS-16	
	1 PC. External straight circlip pliers
68RS-16	
	1 Set. 45° Internal interchangeable
68GQ-02	
	1 Set. 90° Internal interchangeable
68GB-02	
	1 Set. 45° External interchangeable
68RQ-02	
	1 Set. 90° External interchangeable
68RB-02	
	1 Set - Screws (6 PC. M6x1.0)
68ZZ-02	



11 PC.

KT NO.	L		Spread		Ømm	Ømm	kg	/
	inch	mm	inch	mm				
45211PP	16	406	3-1/4	85	-	-	3.32	1 / 6
68GS-16	16	406	3-1/4	85	78~155	3	0.93	1 / 25
68RS-16	16	406	3-1/4	85	88~165	3	0.97	1 / 25



## Kneeling Mat

### 9TG11

- Kneeling mat makes working more comfortable during repairing wheels, brakes and exhausts
- Make the chemicals and oil resistant
- Easily clean surface
- Light and small, easy to carry and available to hang it

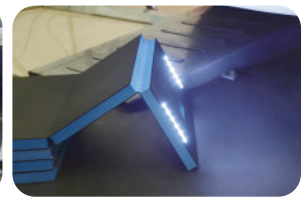
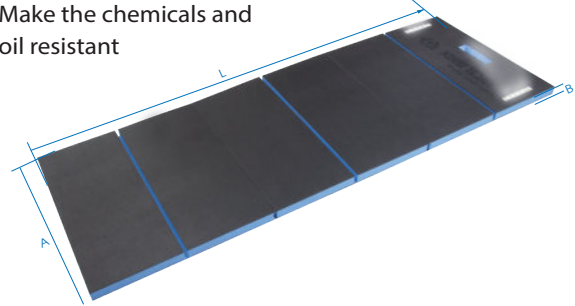


KT NO.	L mm	A mm	B mm		
9TG11	455	214	30	126	1 / 18

## LED Folding Mat

### 9TG21

- Folding mechanics mat for mechanics sit / kneel and lie on it
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Folds for easy storage
- Make the chemicals and oil resistant



KT NO.	L mm	A mm	B mm		
9TG21	1150	420	24	992	1 / 10

## LED Kneeling Mat

### 9TG12

- Kneeling mat with work lights for under car repair or useful as a head protector
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Make the chemicals and oil resistant



KT NO.	L mm	A mm	B mm		
9TG12	460	270	30	320	1 / 25

## Plastic Car Creeper

### 87C23-B

- Designed for 2 side storage trays, for easily picking up for small parts or tools
- Vinyl-covered foam pad brings more comfortable while working
- 280 lb. weight capacity
- 1-1/4" ground clearance



KT NO.	Size mm		
87C23-B	1010 x 475 x 130 (40")	5000	1



## Steel Creeper

87C24-B

87C25-B

- Designed with comfortable sponge cushion
- 300 lbs capacity
- 6 PC. durable swivel casters
- Long size Vinyl-covered foam pad brings more comfortable while working
- All steel construction frame makes it more strong and durable



87C24-B

87C25-B

KT NO.	Size mm		
87C24-B	920 x 425 x 95 (36")	5600	1
87C25-B	1020 x 425 x 110 (40")	7400	1

## Wing Protector

9TP11

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm		
9TP11	1050 x 650	649	1 / 8

## Wing Protector

9TP12

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm		
9TP12	1050 x 650	649	1 / 8

9TP22

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Suction cup attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area
- 3 suction cups attached



- Suction cup can be strongly adsorbed on the aluminum alloy material

KT NO.	Size mm		
9TP22	1050 x 650	650	1 / 8



## Oil Drain Pan

### 9TT11-18

- This 18 litre Oil Drain Pan includes easy grip, large carrying handles and integral spout for pouring waste oil or fluids into a recycling container. The anti-splash lip prevents spillage. Ideal for draining antifreeze or oil. (Not suitable for spray gun cleaner)



#### CONTENTS :

- 18 litre capacity
- Anti-splash lip
- Integral spout
- Ideal for draining antifreeze or oil
- Meets PAHS regulations



KT NO.	L mm	W mm	H mm		
9TT11-18	681	570	130	920	15

## Wheel Axle Oil Drain

### 9TT21-03

- When the professional technician reaches for an oil drainer pan it has to be light yet strong, a convenient size for the task in hand and easily cleaned
- The wheel Axle Oil Drain is designed for HGVs, features a 3 litre capacity and is fits snugly into the dish of the wheel to catch the waste oil as it is drained from the axle. It is also stable on the workshop floor and easy to handle



#### CONTENTS :

- Wheel axle oil drain pan with pouring lip
- Manufactured from PE plastic
- 3 litre capacity

KT NO.	L mm	W mm	H mm		
9TT21-03	316	246	156	390	20

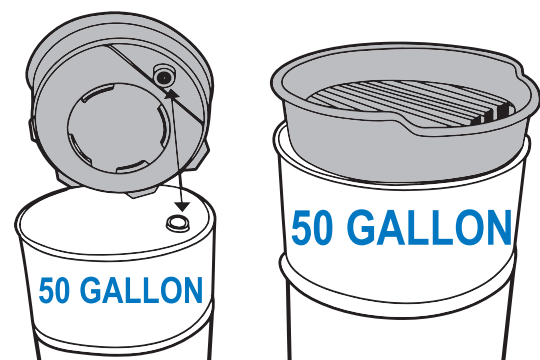
## Drum Drain Basin

### 9TT31-20

- Plastic basin installed on drum for receiving waste oil
- Intended to be installed at a standard barrel, the drain lid marries with the barrel inlet allowing simple and efficient draining of waste oil from filters etc
- Features ribbed drainage channels and a filter gate to catch foreign objects



KT NO.	Ø mm	H mm		
9TT31-20	600	155	1700	5



# Pneumatic Brake Bleeder

## 9TV12-02

- Air operated, handle trigger and noise-reduction design, easy and quick to use
- Replace the old brake fluid without leakage
- With 1m silicon hose and universal rubber adapter



KT NO.	Type	Max. Capacity	Working pressure (PSI)	Temperature range	Air Inlet			
9TV12-020	European	2 L	40~170	-19°C~60°C	1/4"	1050	1	12
9TV12-021	American	2 L	40~170	-19°C~60°C	1/4"	1050	1	12

# 10L Pneumatic Oil(ATF) & Liquid Dispenser

## 9TV13

- Use to extract, transfer and dispense fluid quickly, safety and cleanly
- Non-spark, one man in same step can operate
- Provide with the safety valve, pre-setting 43 PSI (3 Bar), the exceed pressure will be relief automatically
- Provide with the pressure gauge, can be read & control the pressure in the tank more easily
- Provide 2 way control valve for dispensing more safety
- 8 PC. one touch transportation adapter



KT NO.	Max. Capacity	Working pressure (PSI)	Temperature range	Air Inlet			
9TV13-100	10 L	90	-19°C~140°C	1/4"	4750	1	

# Manual Fluid Extractor

## 9TV21-09

- Capacity : 9 litre
- Use for extracting all types of engines oil, transmission fluid and lubricants of cars, marine, stationary, motorbikes engines etc.



- Silicon hose x 1.2 m
- Nylon hose x 1.1 m
- Nylon hose x 1.0 m

KT NO.	Max. Capacity	Temperature range			
9TV21-09	9 L	-19°C~90°C	4750	1	2




# Pneumatic Grease Pump 20L

## 9TU11

- The barrel body is made of high-grade steel plate. It can contain 5 gallons(20L) of barrel packed grease from all nations around the world
- Suitable for all sorts of machinery, vehicles, airplanes, ships, etc. The efficient instrument for infusing grease powerfully for lubrication & maintenance purpose
- Pump of separate type: utilize the principle of liquid getting pumped & driven by air compressor to draw in liquid. There are two independent & separate cycle systems of pump out there, which prevents air- compressor-exhaust moisture from getting to the grease inside the barrel and deteriorating its quality



KT NO.	Air Input Pressure (bar)	Pressure (PSI)	Pressure Ratio	Grease Output Pressure (bar)	Pressure (PSI)	Deliver Rate (cc/sec)	N.W.	G.W.		CUFT
9TU11-20	4-9	60-130	45 :1	180-405	2700-5850	30	17	20.5	21.0	6.4

# Hand Grease Pump 20L

## 9TU21

- 20L tank for 5 gallons grease oil
- Suitable for #00,#0,#1,#2 grease oil
- Included 1.8m length hose & pistol sprayer
- 1/4" High pressure 10,000 psi W.P oilfield hose
- Portable equipment with single pull handle
- Suitable for all sorts of machineries, vehicles, airplanes, ships, etc.



KT NO.	Transmission rate	Hose Length	N.W.	G.W.	CUFT
9TU21-20	4 cc/stroke	1.8 m	8.2 Kg	9.4 Kg	2.2

# Oil Transfer Bucket Pump 20L

## 9TW21

- Lever pump 20 L tank for oil
- Suitable for diesel fuel, lubricating oils up to SAE 90 and Non-corrosive fluids
- Included 1.8m length hose & sprayer
- Portable equipment with single pull handle



KT NO.	Deliver Rate	Hose Length	Outlet tube	N.W.	G.W.	CUFT
9TW21-20	65 cc/stroke	1.8m	3/8"	7.8 Kg	8.5Kg	2.2



# ST

STARTER



# Socket Set

## ST2346MR






















1/4"

Blow case size (mm) :  
254 x 147 x 46 (0.16 cuft)

46  
PC.

### Contents

1.06 1 / 12

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2033	T8, T10, T15, T20, T25, T30, T40
		2035	H3, H4, H5, H6, H7, H8
		2031	PH1, PH2, PH3
		2032	4, 5.5, 7
		2038	PZ1, PZ2, PZ3
		1115-14	H1.27, H1.5, H2, H2.5
		2766-55G	2791
		2222-02	2222-04
		2571-45	2312-06
		2179DF	



2766DK

# Socket Set

## ST4028MR

## ST4028SR

1/2"

## ST4528MR

## ST4528SR

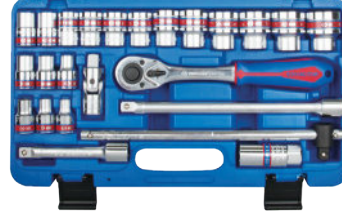
1/2"

Blow case size (mm) :  
387 x 223 x 58 (0.18 cuft)

24  
PC.



ST4028MR/ST4528MR



ST4028SR/ST4528SR




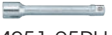


















4766DK

### KT NO.

### Contents

4.10 1 / 4

ST4028MR	4330MRC		8, 9, 10, 11, 12, 13, 14, 15, 16		463021HC		4766-10G		4251-05RH 4251-10RH
			17, 18, 19, 21, 22, 24, 27, 30, 32						
ST4028SR	4330SRC		5/16", 3/8", 7/16", 15/32" 1/2", 9/16", 19/32", 5/8", 11/16"		463521HC		4572-12H		4791RH
			3/4", 25/32", 13/16", 7/8" 15/16", 1", 1-1/16", 1-3/16", 1-1/4"						
ST4528MR	4335MRC		8, 9, 10, 11, 12, 13, 14, 15, 16		463521HC		4572-12H		4791RH
			17, 18, 19, 21, 22, 24, 27, 30, 32						
ST4528SR	4335SRC		5/16", 3/8", 7/16", 15/32" 1/2", 9/16", 19/32", 5/8", 11/16"		463521HC		4572-12H		4791RH
			3/4", 25/32", 13/16", 7/8" 15/16", 1", 1-1/16", 1-3/16", 1-1/4"						

# Socket & Wrench Set

SC7083MR

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)



SC7583MR

1/4"+1/2"



83  
PC.

KT NO.	Contents		5.65	1/4
SC7083MR	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1060	8, 10, 11, 12, 13, 14, 17, 19
	4330MRC	14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32	2031	PH1, PH2
	463016R		2032	4, 5.5, 6.5
	463021HC		2033	T8, T10, T15, T20, T25, T27, T30
SC7583MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2035	H3, H4, H5, H6
	4335MRC	14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32	2038	PZ1, PZ2
	463516HC		1836P	PH3, PH4
	463521HC		1836S	8 x 1.2, 10 x 1.6, 12 x 2.0
			1836T	T40, T45, T50, T55
			1836H	H8, H10, H12, H14
			1836Z	PZ3, PZ4
			2766-55G	4766-10G
		4251-05RH	2222-02 2222-04	
		79831	4222-10	
		2312-06	7702-25 3824	
		2571-45H	2179DF	
		414810S	2791 4791RH	

# Socket & Wrench Set

SC7396MR

Metal case size (mm) :  
422 x 275 x 85 (0.35cuft)

5.5 1/4

Contents		5.5	1/4
2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2235M	6, 8, 10, 12, 13, 14		
4335MRC	10, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 27, 32		
4535M	15, 16, 17, 19, 24		
1060	8, 10, 12, 13, 14, 15, 16, 17, 18, 19		
1836H	H8, H10, H12, H14		
1836T	T50, T55, T60		
1025S	3.0, 4.0, 5.0, 6.0		
1025P	PH1, PH2 x 2, PH3		
1025Z	PZ1, PZ2 x 2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
1025H	H3, H4, H5, H6		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
1025R	RB2		
753-63			
7702-25			
2766-55G	4766-10G		
2571-45H	2179DF		
4222-10	2222-02	2141	
2791	4791RH	3824	414810S



96  
PC.

# Socket & Wrench Set

**SC7096MR**

Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)

**SC7596MR**

1/4"+1/2"

96  
PC.



KT NO.

Contents

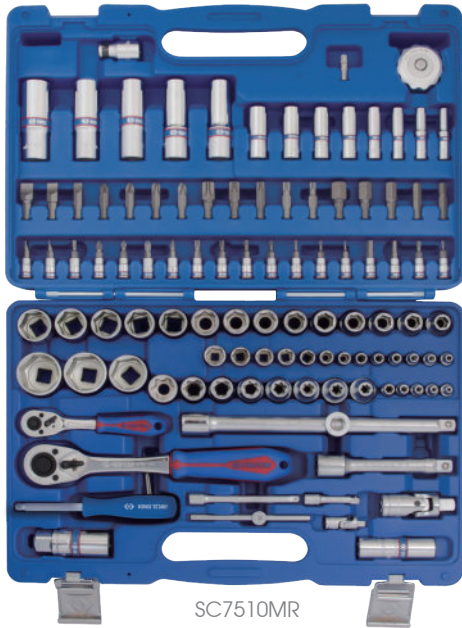
6.22 1/4

KT NO.	Contents	6.22	1/4
SC7096MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2031 PH1, PH2	2766-55G
	2230M 6, 7, 8, 9, 10, 11, 12, 13	2032 4, 5.5, 6.5	4766-10G
	4230MC 14, 15, 17, 19, 22	2033 T8, T10, T15, T20, T25, T27, T30	2179DF
	4330MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	2035 H3, H4, H5, H6	4222-10
	463016R	2038 PZ1, PZ2	2222-02
	463021HC	1836P PH3, PH4	2222-04
SC7596MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1836S 8x1.2, 10x1.6, 12x2.0	4251-05RH
	2235M 6, 7, 8, 9, 10, 11, 12, 13	1836T T40, T45, T50, T55	2571-45H
	4235MC 14, 15, 17, 19, 22	1836H H7, H8, H10, H12, H14	2791
	4335MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	1836Z PZ3, PZ4	4791RH
	463516HC	1115-03 1.5, 2, 2.5	414810S
	463521HC		3824
		7702-25	2745

# Socket & Wrench Set

## SC7010MR

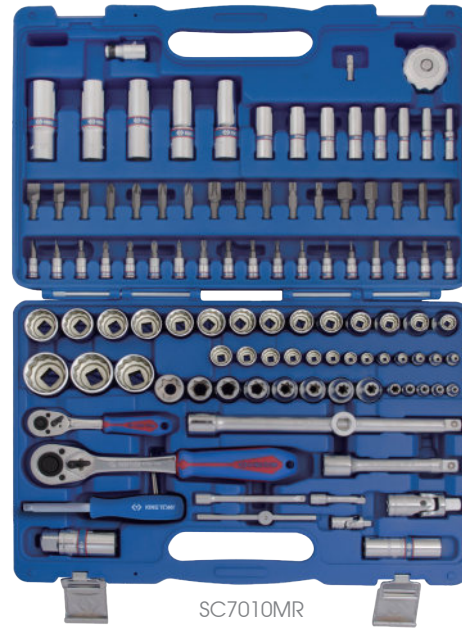
Blow case size (mm) :  
422 x 275 x 85 (0.35 cuft)



SC7010MR

## SC7510MR

1/4"+1/2"



SC7010MR

110  
PC.

KT NO.

Contents

6.90 1/4

SC7010MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2375M E4, E5, E6, E7, E8	2766-55G
	2230M 6, 7, 8, 9, 10, 11, 12, 13	4375M E10, E11, E12, E14, E16, E18, E20, E24	4766-10G
	4230MC 14, 15, 17, 19, 22	2031 PH1, PH2	2179DF
	4330MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	2032 4, 5.5, 6.5	4222-10
	463016R      463021HC	2033 T8, T10, T15, T20, T25, T27, T30	2571-45H
SC7510MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2035 H3, H4, H5, H6	2222-02 2222-04
	2235M 6, 7, 8, 9, 10, 11, 12, 13	2038 PZ1, PZ2	4251-05RH
	4235MC 14, 15, 17, 19, 22	1836P PH3, PH4	2791 4791RH
	4335MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	1836S 8x1.2, 10x1.6, 12x2.0	3824
	463516HC      463521HC	1836T T40, T45, T50, T55, T60	414810S
	1836H H7, H8, H10, H12, H14	7702-25	
	1836Z PZ3, PZ4	2745	
	1115-03	1.5, 2, 2.5	

# Socket & Wrench Set

**SC9043MR**

Blow case size (mm) :  
560 x 400 x 110 (0.87 cuft)



**SC9543MR**

**1/4"+3/8"+1/2"**

**143  
PC.**



KT NO.

Contents

13.7 1/2

SC9043MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	2375M E4, E5, E6, E7, E8	1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
	4330MRC 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	1930 8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19		
	463016R  463021HC	4375MC E10, E12, E14, E16, E20	1145MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
		1025P PH0, PH1, PH2, PH3	2222-02 2222-04 2222-06	3221-03 3221-06	4251-03R
		1025S 4, 5.5, 7			
		1025U T10H, T15H, T20H, T25H, T27H, T30H, T40H	4222-10	2312-06	2179DF
SC9543MR	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	1025H H2, H3, H4, H5, H6, H7, H8, H10	3781-11F	4452-18FR	2141
	4335MRC 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	1025Z PZ0, PZ1, PZ2, PZ3	4581-10	79831	6111-07
	463516HC  463521HC	PH2 x 38, PH1 x 80 1421	2766-55G	4766-10G	6011-10R
		PH2 x 100 1461	79093-03M	3824  3812	2791 3792 4791RH
		6.5 x 38, 5.5 x 75 1422		7821-30	
		6.5 x 150 1462			

# Ball Hex Key

## ST1120MR



- Extra long arm with ball point type
- DIN ISO 2936



KT NO.	mm	mm	mm	g	PC.
ST112012MR	H12	57	262	283	8 / 48
ST112014MR	H14	70	294	441	8 / 48
ST112017MR	H17	80	337	740	4 / 32
ST112019MR	H19	89	379	1044	4 / 16

## ST1145MR



- Standard arm type
- Hex head
- DIN ISO 2936



KT NO.	mm	mm	mm	g	PC.
ST114512MR	H12	57	137	166	10 / 120
ST114514MR	H14	70	154	261	6 / 72
ST114517MR	H17	80	177	439	4 / 48
ST114519MR	H19	89	199	619	4 / 32

# Hex Key Set

## ST20219MR



9 PC.

Spec.	Contents	g	PC.
Standard arm	ST1145MR	300	6 / 48
	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

## ST20209MR



9 PC.

Spec.	Contents	g	PC.
Extra long arm	ST1125MR	480	8 / 48
	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

## ST20213MR



13 PC.

Spec.	Contents	g	PC.
Standard arm hex-head key	ST1145MR	1880	2 / 8
	H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19		

## ST20207MY



7 PC.

Spec.	Contents	g	PC.
Extra long arm	ST1125MY	540	8 / 48
	H3, H4, H5, H6, H7, H8, H10		

## ST20219MY



9 PC.

Spec.	Contents	g	PC.
Standard arm	ST1145MY	300	6 / 48
	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		

## ST20208MY



8 PC.

Spec.	Contents	g	PC.
Extra long arm	ST1125MY	480	8 / 48
	H2, H2.5, H3, H4, H5, H6, H8, H10		

# Hex Key Set

ST20109MR



9  
PC.

Spec. Contents 0.48 8 / 48

Extra long arm / ball H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20419PR



9  
PC.

Spec. Contents 470 8 / 48

Extra long arm / Tamper resistant T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H

ST20203MR



13  
PC.

Spec. Contents 330 1 / 4

Extra long arm / ball H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19

ST20203SR



13  
PC.

Spec. Contents 330 1 / 4

Extra long arm / ball 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 3/4

# Tool Trolley

ST87432-5B

## 5 Drawer & 7 Drawer Tool Trolley

- Heavy duty ball bearing slides
- 5"x1-1/4" casters with locking break
- One piece wall constructed and powder coating
- Central locking system
- Oil can holder / optional side pull handle bar
- 2mm anti-slipping rubber top mat
- Overall size : W670 x D460 x H812 mm

ST87432-5B 52 CUFT 12.64  
ST87434-7B 60

ST87434-7B



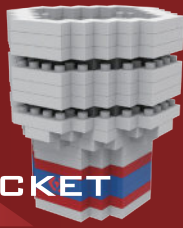
ST87432-5B



ST87434-7B

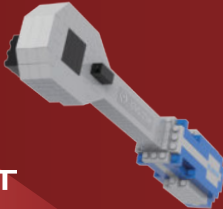
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HAND SOCKET



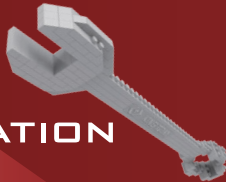
02

RATCHET



03

COMBINATION  
WRENCH



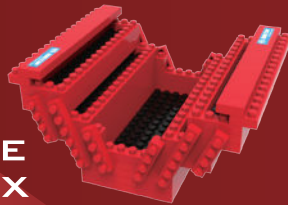
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PHILLIPS  
SCREWDRIVER



05

PORTABLE  
TOOL BOX



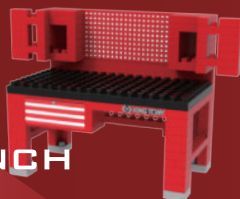
06

SHELF TROLLEY



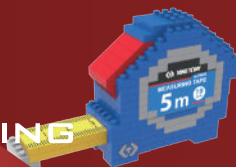
07

WORKBENCH



08

MEASURING  
TAPE



# TOOL DIAMOND BLOCKS

SET A

TS00108



WARNING:

CHOKING HAZARD  
SMALL PARTS, NOT FOR  
CHILDREN UNDER 3 YEARS





01

IMPACT SOCKET



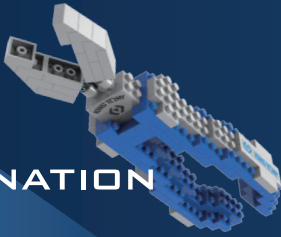
02

IMPACT WRENCH



03

COMBINATION  
PLIERS



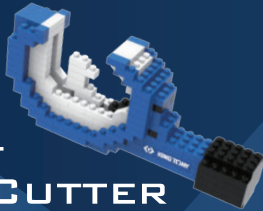
04

SLOTTED  
SCREWDRIVER



05

RATCHET  
TUBING CUTTER



06

TOOL TROLLEY



07

LED LAMP



08

TOOL BOX



# TOOL DIAMOND BLOCKS

SET B

TS00208



**WARNING:**  
CHOKING HAZARD  
SMALL PARTS, NOT FOR  
CHILDREN UNDER 3 YEARS



# Promotional Merchandise



**Leather Male Wallet**  
**ZS104**  
 Size : 11.5 x 9 cm



**Leather Wallet for Business Card**  
**ZS105**  
 Size : 11 x 7.5 cm



**Briefcase (Leather)**  
**ZS107**  
 Size : 40 x 35 x 8 cm



**Mouse Pad**  
**ZS306**  
 Size : 18 x 18 x 0.3 cm



**Ball-Bearing Pen**  
**ZS402**



**Ball-Bearing Pen**  
**ZS405**



**Ruler 30 cm**  
**ZS408**



**Coaster**  
**ZS514**  
 Size : 9.9 x 9.9 cm



**A4 L Shape Clear File**  
**ZS409**  
 Size : 310 x 220mm



**A4 Clear File**  
**ZS410**  
 Size : 310 x 495 x 17mm



**Mat**  
**ZS411**  
 Size : 530 x 367 x 2mm



**Notepaper**  
**ZS517**  
 Size : 7.5 x 7.5 cm



**Work Clothing**

Overall	Waist (inch)	Hip (inch)
ZS109 - L	34"	48"
ZS109 - XL	36"	50"
ZS109 - 2L	38"	52"
ZS109 - 3L	41"	54"



**Work Clothing**

Overall	Waist (inch)	Hip (inch)
ZS112 - L	36"	44"
ZS112 - XL	40"	48"
ZS112 - 2L	44"	52"
ZS112 - 3L	48"	56"



**Windbreaker Jacket**

Overall	Chest girth (cm)
ZS141 - S	44"
ZS141 - M	46"
ZS141 - L	48"
ZS141 - XL	50"
ZS141 - 2L	52"
ZS141 - 3L	54"



**T-shirt**

Overall	Shoulder width (cm)
ZS146 - S	51
ZS146 - M	53
ZS146 - L	56
ZS146 - XL	61
ZS146 - 2L	64



Polo Shirt	Shoulder width (inch)	Chest girth (inch)	Polo Shirt	Shoulder width (inch)	Chest girth (inch)
Overall			Overall		
■ ZS111 - M	17"	41"	■ ZS111A - S	14"	36"
■ ZS111 - L	18"	43"	■ ZS111A - M	15"	37"
■ ZS111 - XL	19"	45"	■ ZS111A - L	16"	39"
■ ZS111 - 2L	20"	47"	■ ZS111A - XL	17"	41"
■ ZS111 - 3L	21"	49"	■ ZS111A - 2L	18"	42"
			■ ZS111A - 3L	19"	44"



**Leather Belt (Male)**  
■ ZS108



**Work Hat**  
■ ZS110



ZS142W



ZS142G



ZS142B

T-shirt	Shoulder width (inch)	Chest girth (inch)
Overall		
■ S	16"	38"
■ M	17"	40"
■ L	18"	42"
■ XL	18-1/2"	44"
■ 2L	19"	46"
■ 3L	19.5"	48"



**Bath Towel**  
■ ZS153A



**Golf Umbrella**  
■ ZS116  
Size : 68 x 8K



**Personal Cooler Bag**  
■ ZS120-S



**Stainless Grilling & Barbecue Utensils**  
■ ZS572



**Expanding Holder Stand**  
■ ZS307



**Opener**  
■ ZS539



**Handbag**  
■ ZS119  
Size : 36 x 38 x 10 cm



**Paper Cup**  
■ ZS511



**Mug**  
■ ZS605



**Mini Pocket Tools**  
■ ZS540



**Key Ring**  
■ ZS522

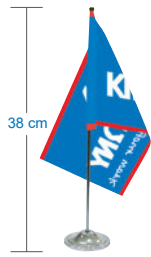


**Key Ring**  
■ ZS524



**Key Ring**  
■ ZS533

# Promotional Merchandise



**Small Flag**  
**ADFLAG**  
 Size : 25.4 x 16 cm



**Big Flag**  
**ADFLAG1**  
 Size : 930 x 1430 mm



**Outdoor Flag**  
**ADFLAG2**  
 Size : 210 x 60 cm



**Canvas Strip**  
**ADCV-01**  
**ADCV-02**  
 Size : 300 x 80 cm



**Sticker**  
**ADSTK-C1**  
 Size :  $\phi$  - 250 mm



**Sticker**  
**ADSTK-H2**  
 Size :  $\phi$  - 250 mm



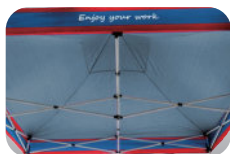
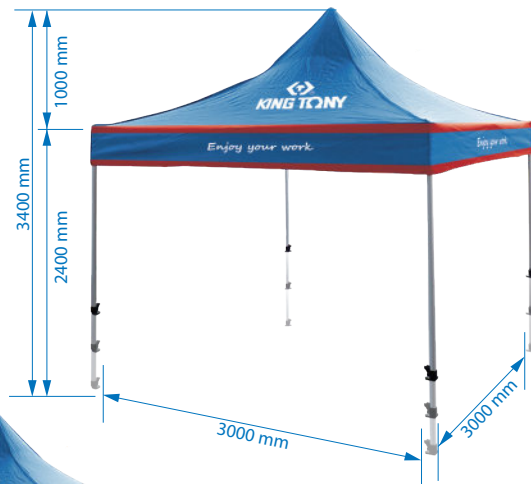
**Sticker**  
**ADSTK31KT**  
 Size : 66 x 16 cm



**Sticker**  
**ADSTK21KT** 99 x 45 cm  
**ADSTK22KT** 50.6 x 22.6 cm  
**ADSTK23KT** 26.4 x 4.2 cm

## ZS115

- Quick and easy to set up
- Tent roof made of high quality 600D fabric
- Waterproof and UV resistant
- Full structure made of robust steel
- Adjustable height, max to 3400 mm
- Includes practical carrier bag



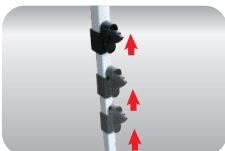
• Full truss structure



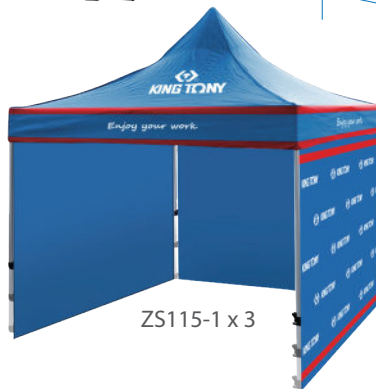
• Hanging capacity up to 70 kgs



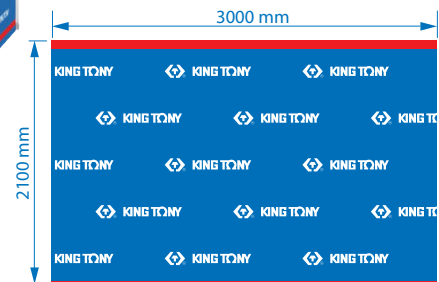
• Foot pad comes with stake hole



• 3 section of height adjustment



ZS115-1 x 3



ZS115-1

KT NO.	Spec.	Height (mm)		
ZS115	3000 x 3000 mm (not included ZS115-1)	3400	22	1 / 1
ZS115-1	2100 x 3000 mm Side curtain	-	0.9	1 / 15

# Tool Display

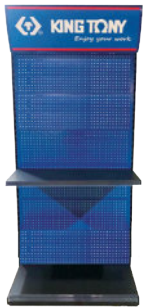


## Side Panel for Display Stand

■ **ADVT-02**  
Size : 90 x 22 mm

## Magnetic Base

■ **91422**



## Display Stand

■ **87306A**  
Overall Size -  
W 1000 x D 500 x H 2200 mm  
Attachment-  
1 PC. lamp case  
2 PC. shelf  
6 PC. steel plate with hole  
40 PC. Black hooks  
(170 x Ø3.6mm)  
Weight - 57 Kg / Cuft - 5.9

## Optional:



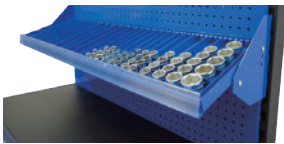
## Display Hook

■ **87301-494A** 4" x Ø 4 mm  
■ **87301-496A** 6" x Ø 5.2 mm  
■ **87301-498A** 8" x Ø 5.2 mm  
■ **87301-499A** 9" x Ø 8 mm



## Double-sided Display Stand

■ **87307A**  
Overall Size -  
W 1000 x D 960 x H 2200 mm  
Attachment-  
2 PC. Lamp case(1 LED , 2 spotlights)  
4 PC. Shelf  
12 PC. Steel plate with hole  
40 PC. Hooks  
Weight - 70.3 Kg / Cuft - 11.75



## Display Stand

■ **87306-36-B**  
Overall Size -  
W 968 x D 250 x H 200 mm  
Weight - 6.3 Kg / Cuft - 0.53



## Display Board

■ **87203**  
Wall hanging type 30 PC. hook  
included  
Overall Size -  
W 725 x D 14 x H 900 mm  
Weight - 11.50 Kg / Cuft - 0.328



## Display Stand

■ **87301-36(White)**  
Overall Size -  
W 902 x D 268 x H 143 mm  
Weight - 6.5 Kg / Cuft - 0.62



A4 size paper :  
297 x 210mm

87154-01

87154

## Tools Display Stand

■ **87154 / 87154-01**  
Overall Size -  
W 280 x D 170 x H 45 mm  
Weight - 1.2 Kg / Cuft 1.35

6 kgs max.  
loading capacity



A4 size paper :  
297 x 210mm

## Impact Wrench Display Stand

■ **87156A**  
Overall Size -  
W 280 x D 170 x H 45 mm  
Weight - 1.9Kg / Cuft 0.31

## Contents

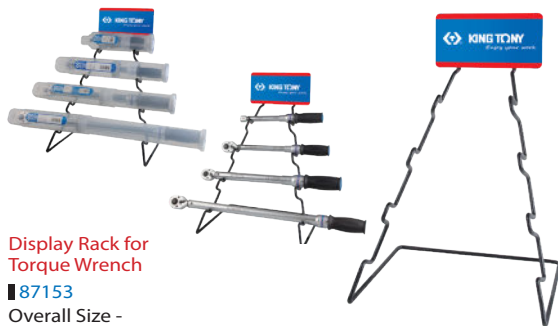
	87156
	87154-01
	SY-210M x3
	SY-20A x6
	SY-10A x3



87154-01

87156

# Tool Display



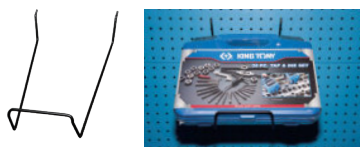
Display Rack for Torque Wrench

■ 87153  
Overall Size -  
W 330 x D 255 x H 475 mm  
Weight - 1.23 Kg / Cuft - 1.41



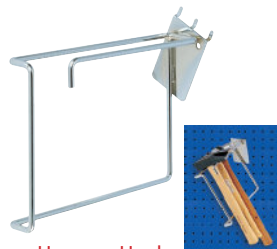
Display Stand

■ 87152  
Overall Size - W400 x D230 x H470 mm  
Weight - 1.20 Kg / Cuft - 1.53



Steel Rack Hook

■ 91432  
Idea for hanging display & presenting tool set  
230mm maximum depth  
5kg maximum tool weight  
(heavier & longer items, you can put 2 PC. to hold)



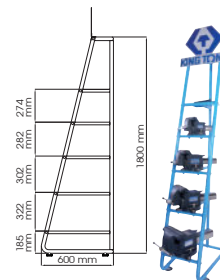
Hammer Hook

■ 91431 P.449  
Overall Size -  
W 40 x D 210 x H 240 mm  
Weight - 411.6 g / Cuft - 0.072



Display Rack

■ 87160 P.464  
Overall Size -  
W 400 x D 600 x H 2070 mm  
Weight - 15.5Kg / Cuft - 1.6

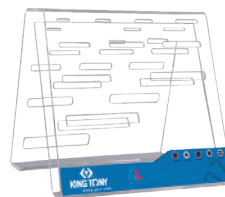


Hook for Torque Extension Bar

■ 9TE41 P.230  
Total Length - 311 mm  
Weight - 196.4 g  
Groove capacity: 22 mm



Hangers Individual Pack  
Housing material - PP  
Lock pin is optional



Display Shelf for L-wrench

■ 87125  
Overall Size -  
W 220 x D 260 x H 270 mm  
Weight 375g / Cuft 0.63  
Reference :  
2020HOMR P.394



Screwdriver Shelf

■ 87105 / 87107 / 87110 / 87111  
87105-W 595 x D 240 x H 210 mm  
Weight - 3.40 Kg Cuft - 1.97  
87107-W 383 x D 136 x H 130 mm  
Weight - 0.86 Kg  
87110-W 420 x D 240 x H 210 mm  
Weight - 2.50 Kg Cuft - 1.5  
87111-W 655 x D 240 x H 210 mm  
Weight - 3.80 Kg Cuft - 2.2

Reference:

87105 (31416MR P.368)  
(31516MR P.368)  
87107 (31419MR P.421)  
87110 (31512MR P.368)  
87111 (31519MR P.368)



Screwdriver Shelf

■ 87104 P.369  
Overall Size -  
W 325 x D 205 x H 270 mm  
Weight - 1.20 Kg Cuft - 0.3



**Display Stand for Measuring Tape**

■ 87118 P.460  
Capacity : 12 PC.  
For all measuring tape  
(79093 / 79094 Series)  
Size : 309 x 237 x 189 mm



**Display Stand for L-wrench Set**

■ 87119 P.396  
Capacity : 12 sets  
For Allen, Spline, Ball, torx with hole  
Size : 393 x 154 x 345 mm



**Paper Display Stand for Socket Set**

■ 87140  
Size : 468 x 446 x 250 mm



**Bit Display Box**

■ 87352 P.375  
Overall Size -  
W 318 x D 235 x H 183 mm  
Weight - 1.30 Kg  
Cuft - 0.4



**Metal Holder**

■ 8711B  
Overall Size -  
W 600 x D 240 x H 60 mm  
Weight - 6.20 Kg  
Cuft - 0.9  
Reference :  
1090PR1 P.450



**Socket Shelf**

■ 87102 / 87103  
Width can be adjustable to display  
multiple socket series  
Single serial socket size tab attached  
Overall Size -  
W 415 x D 336 x H 320 mm  
Weight - 6.85 Kg(87102) /  
6.37 kg(87103) Cuft - 0.67

**Reference:**

3568MR	P.166
4072MR / 4572MR	P.168
4072SR / 4572SR	P.168
4066MR / 4566MR	P.170
4066SR	P.170
4472MP/4472SP	P.224
4466MP/4466SP	P.226



**Metal Holder for Flat Chisel**

■ 87108 P.452



**Impact Wrench Hook**




























































































■ 91451-01A(1/4"-19 BSPT)  
■ 91451-01B(1/4"-18 NPT)  
■ 91451-01F(1/4"-19 BSPT)  
Reference : P.275



**Impact Wrench Display Stand**






































■ 871061A(1/4"-19 BSPT)  
■ 871061B(1/4"-18 NPT)  
■ 871061F(1/4"-19 BSPT)  
Reference : P.275  
Applied for 3/8"&1/2" DR. air tools

# Sign List

 Internal hexagon	 External hexagon	 Bi-hexagon	 Spline head	 Spline head - tamper resistant	 Internal torx	 External torx	 External torx - tamper resistant	 Double square
 torx plus-tamper resistant	 torx plus	 Ribe bit socket	 Phillips head	 Slotted head	 Pozidriv	 PlusMinus	 Internal square	 External square
 External square	 Ribe socket 12 mm	 Ribe socket 10 mm	 Axial lock nut	 Square	 Crowfoot	 Hook wrench	 External KM locknut	 Internal KM locknut
 Speical profile for wheel nut	 Claw Pickup	 Internal square	 Hexagon	 Pentagon	 Ball hex	 Flat face - round	 Flat face - square	 Milled square face
 Internal circlip	 External circlip	 Thin serrated	 Coarse serrated	 Smooth	 With opening spring	 Round jaws	 Half-round jaws	 Flat & point jaws
 Soft wire	 Medium hard wire	 Hard wire	 Piano wire	 Europe	 America & Asia	 Australia & New Zealand	 English	 Australia
 Changeable blade	 Guide rollers	 Cutter wheel	 Outside diameter (O.D.)	 Wall thickness	 Inside diameter (I.D.)	 Capacity of open jaw (mm)	 Diameter	
 Center cut	 With bevel	 With small bevel	 With very small bevel	 Without bevel				
 Max. torque	 Air inlet	 Free speed	 Air pressure (90 PSI)	 Std. bolt size	 Air hose	 Anvil type	 Avg. air consumption	 Sound
 Vibration level	 Litre capacity (3L)	 Q'ty / Carton	 Q'ty / Box	 Q'ty / Bag	 Q'ty / Blister card	 Weight (g)/(kg)		
 Light weight	 1000V	 ESD	 ISO	 CE certificate	 VDE certificate	 G.S. approval	 TUV certificate	





 HGV	 Commercial Vehicles	 Small commercial vehicles	 Passenger cars	 Buses	 Construction vehicles	 Agricultural machinery	 Motorcycles	 Engine series
 Agricultural machinery-tiller	 Chassis	 Steel construction	 Assembly line	 Factory	 Diesel engine	 Petrol engine	 Timing belt	 Timing chain
 Strobe	 IP Protection	 Adjustable lighting	 Lumen	 Lighting for hours	 Watt	 Adjustment button	 Thickness	 Magnetic
 USB cable	 USB charger	 Cable length	 Charging time	 DC charger	 AC charger	 Li-ion battery	 Battery	 IK07/ IP20
 10 cm range								

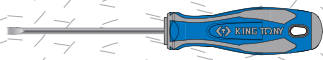
# Information-General Safety Recommendations



**CAUTION**



Please wear proper safety gear while working.



# It all fits together

## ■ DIN screwdrivers

Slotted screws		Size										
		2x0.4	2.5x0.4	3x0.5	3.5x0.6	4x0.8	5.5x1	6.5x1.2	8x1.2	10x1.6		
<b>Metric screws</b>												
Flat head												
	ISO 2009		1.6	2	2.5	3	3.5	4	5			
	DIN 963		1.6	2	2.5	3	3.5	4	5			
Oval head												
	ISO 2010		1.6	2	2.5	3	3.5	4	5			
	DIN 964		1.6	2	2.5	3	3.5	4	5			
Cheese head												
	ISO 1207						3.5	4	5	6		
	DIN 84		1.6	2	2.5		4	4	5	6		
Pan head												
	ISO 1580		1.6	2	2.5	3	3.5	4	5	6		
	DIN 85					3	3.5	4	5	6		
	DIN 920		2.5	3/3.5	4	5	6	8		10		
	DIN 921		1.6	2	2.5	3	3.5	4	5	6		
Set												
	ISO 4766	DIN 551	2.5	3.5	4	5	6	8				
	ISO 7435	DIN 417	3									
	ISO 4735	DIN 427	2.5	3.5	4	5	6	8		14		
<b>Self tapping screws</b>												
Flat head												
	ISO 1482			2.2		2.9	3.5	4.2	4.8			
	DIN 7972			2.2		2.9	3.5	3.9	4.8			
Oval head												
	ISO 1483			2.2		2.9	3.5	4.2	4.8			
	DIN 7973			2.2		2.9	3.5	3.9	4.2	4.8	6.3	
Pan head												
	ISO 1481			2.2		2.9	3.5	4.2	4.8	5.5	6.3	
	DIN 7971			2.9	2.9	3.5		4.2	4.8	5.5	6.3	

Phillips + Pozidriv		Size					
		00	0	1	2	3	4
<b>Metric screws</b>							
Flat head							
	ISO 7046	DIN 965	1.6	2.5	3.5	6	8
	ISO 7047	DIN 966	2	3	5	10	10
Oval head							
	ISO 7045	DIN 7985	1.6	2.5	3.5	6	8
	ISO 7045	DIN 7985	1.8	3	5	6	10
Pan head							
	ISO 7045	DIN 7985	1.6	2.5	3.5	6	8
	ISO 7045	DIN 7985	1.8	3	5	6	10
<b>Self tapping screws</b>							
Flat head							
	ISO 7049	DIN 7981		2.2	3.5	5.5	
	ISO 7049	DIN 7981		2.9	4.8	6.3	
Oval head							
	ISO 7050	DIN 7982		2.2	3.5	5.5	
	ISO 7050	DIN 7982		2.9	4.8	6.3	
Pan head							
	ISO 7051	DIN 7983		2.2	3.5	5.5	
	ISO 7051	DIN 7983		2.9	4.8	6.3	
ANSI screws							
			0-1	2-4	5-10	12-16	18-...

## ■ How to find the correct screwdriver

	Slotted	Phillips	Pozidriv	Torx	Torx	Square	Hex	Nut
<b>Classic Screwdriver</b>	1412	1411						
<b>SoftFinish Screwdriver</b>	1422	1421	1428	1423	1427	1424		
<b>Classic Screwdriver (Heavy Duty)</b>	1482	1481						
<b>SoftFinish Screwdriver (heavy Duty)</b>	1462	1461						
<b>Nutspinner</b>								1450 5450 1453
<b>SoftFinish Electric</b>	1472	1471	1478					
<b>Precision Screwdriver</b>	1432	1432	1433					
<b>Interchangeable ratchet Screwdriver</b>	32810	32810		32810				
<b>Two-way screwdriver</b>	2411 1317 2431	2411 1317 2431	1317	1317 2433			1317	32810
<b>Torque Screwdriver</b>							3411	



			For torx head screw											
			T5	T6	T7	T8	T9	T10	T15	T20	T25	T27	T30	T40
mm			1.42	1.70	1.99	2.31	2.50	2.74	3.27	3.86	4.43	4.99	5.52	6.65
<b>Metric screws</b>														
Cheese head	ISO 4762	DIN 912	*	2	*	2.5		3		4	5	**	6	
Flat head	ISO 4760	DIN 963 965	*	*	*	2.5		3	3.5	4	5	**	6	8
Oval head	ISO 7047 2010	DIN 964 966	*	2	*	2.5		3	3.5	4	5	**	6	
Cheese head		DIN 7984 6912	*	*	*	2.5		3		4	5	**	6	
Oval head	ISO 7045	DIN 7985	*	2	*	2.5		3	3.5	4	5	**	6	
Flat head	ISO 10642	DIN 7991	*	*	*	2.5		3		4	5	6	**	8
<b>Self tapping screws</b>														
Pan head	ISO 7049	DIN 7981 7982	*	2.2	*	2.9		3.5	3.9	4.2 5.5	4.8	**	6.3	
Flat head	ISO 7050	DIN 7972 7983	*	2.2	*	2.9		3.5	3.9	4.2	4.8 5.5	**	6.3	
Oval head	ISO 7051	DIN 7973	*	2.2	*			3.5	3.9	4.2	4.8 5.5	**	6.3	8


\* Screws for tungsten carbide inserts


\*\* Special screws


Index		
ISO	International standard	
DIN	German standard	
M	Metric screws	Thread diameter
M	Set screw metric	Thread diameter
M	Metric nut	Thread diameter
B	Self tapping screw	Thread diameter
Symbols		
Tool drive = screwdriver socket		
for screws with internal drive		
Tool drive = Nutdriver socket		
for screws with head drive		





# Bits / Sockets for S size


 <b>TORX</b> internal screw		T5	T6	T7	T8	T9	T10	T15	T20	T25	T27
	✦S(ref.mm)	1.42	1.7	2	2.32	2.5	2.74	3.28	3.86	4.43	4.99
	Screws(ref)	M1.5	M2	M2.5	M2.5	M3	M3/M3.5	M3.5/M4	M4/M5	M4.5/M5	M4.5/M5/M6
		T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
	✦S(ref.mm)	5.52	6.65	7.82	8.84	11.23	13.26	15.54	17.58	19.95	22.16
	Screws(ref)	M6/M7	M7/M8	M8/M10	M10	M12	M14	M16	M18	M20	M22

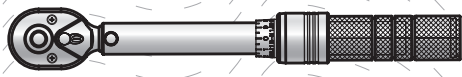
 <b>SPLINE</b>		M4	M5	M6	M8	M10	M12	M14	M16	M18	M20
	●S(ref.mm)	3.6	4.8	6	7.2	9.6	11.41	13.22	15.63	16.85	19.25
	Screws(ref)	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20

 <b>RIBBLE</b>		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
	✦S(ref.mm)	5	6	7	8	9	10	12	13	14	16
	✦W(ref.mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3	3.1	3.5
	Screws(ref)	M6	M8		M10	M10	M12				

 <b>IPR</b>		IPR8	IPR9	IPR10	IPR15	IPR20	IPR25	IPR27	IPR30	IPR40	IPR45	IPR50	IPR55	IPR60
	✦S(ref.mm)	2.14	2.33	2.58	3.07	3.63	4.16	4.70	5.22	6.27	7.32	8.32	10.54	12.45

 <b>TORX</b> external screw		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20
	✦S(ref.mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41
	Screws(ref)	M3	M4	M5	M6	M6/M7	M8	M8/M10	M10	M12	M12	M14	M16
		E22	E24	E26	E28	E30	E32	E34	E36	E38	E40	E42	E44
	✦S(ref.mm)	20.24	22.1	23.85	25.65	27.38	29.16	30.96	32.82	34.67	36.37	38.2	39.98
	Screws(ref)	M18	M18/M20										

 <b>SQUARE</b>		RB00	RB0	RB1	RB2	RB3	RB4
	□S(ref.mm)	1.30	1.80	2.30	2.86	3.38	4.85



# Torque Data

Bolt	Nut	Washer	Bolts and nuts classes (SAE threads, triangular shape, high pitch 0.15 coefficient)					
			4.8 Torque N · m	5.8 Torque N · m	6.8 Torque N · m	8.8 Torque N · m	10.9 Torque N · m	12.9 Torque N · m
M3	5.5	2.5	0.64	0.8	0.91	1.21	1.79	2.09
M4	7	3	1.48	1.83	2.09	2.78	4.09	4.79
M5	8	4	2.93	3.62	4.14	5.5	8.1	9.5
M6	10	5	5	6.2	7.1	9.5	14	16.4
M8	13	6	12.3	15.2	17.4	23	34	40
M10	16	8	24	30	34	46	67	79
M12	18	10	42	52	59	79	116	136
M14	21	12	67	83	94	127	187	219
M16	24	14	105	130	148	198	291	341
M18	27	14	145	179	205	283	402	471
M20	30	17	206	254	291	402	570	667
M22	34	17	283	350	400	552	783	917
M24	36	19	354	438	500	691	981	1148
M27	41	19	525	649	741	1022	1452	1700
M30	46	22	712	880	1005	1387	1969	2305
M33	50	24	968	1195	1366	1884	2676	3132
M36	55	27	1242	1534	1754	2418	3435	4020
M39	60		1614	1994	2279	3139	4463	5223
M42	65	32	1995	2464	2816	3872	5515	6453
M45	70		2497	3085	3525	4847	6903	8079
M48	75	36	3013	3722	4254	5849	8330	9748
M52	80		3882	4795	5480	7535	10731	12558
M56	85	41	4839	5978	6832	9394	13379	15656
M60	90		6013	7428	8490	11673	16625	19455
M64	95	46	7233	8935	10212	14041	19998	23402

\* In order not over-tighten the fastener, please refer manufacturer's service manual, or TORQUE DATA for tightening torque information

\* Torque tightening is refer to "thread dimension" of screw, which is M3~M64 size mention above table



# Torque Conversion

Units to be	Corresponding unit					
	in · lb	ft · lb	kgf · cm	kgf · m	cN · m	N · m
1 in · lb	1	0.083	1.152	0.0115	11.3	0.113
1 ft · lb	12	1	13.83	0.138	135.6	1.356
1 kgf · cm	0.868	0.072	1	0.01	9.807	0.098
1 kgf · m	86.8	7.233	100	1	980.7	9.807
1 cN · m	0.088	0.007	0.102	0.001	1	0.01
1 N · m	8.851	0.738	10.20	0.102	100	1

$$1 \text{ N} \cdot \text{m} = 0.738 \text{ ft} \cdot \text{lb} = 8.85 \text{ in} \cdot \text{lb} = 0.10 \text{ Kgf} \cdot \text{m} = 10.20 \text{ Kgf} \cdot \text{cm}$$



# Torque Data

## IMPERIAL

		<b>Bolts and nuts classes</b> (SAE threads, triangular shape, high pitch 0.15 coefficient)			
		 Torque ft · lb	 Torque ft · lb	 Torque ft · lb	 Torque ft · lb

### Coarse Thread Series

	threads per inch	307A A Torque ft · lb	5 Torque ft · lb	8 Torque ft · lb	9 Torque ft · lb
1/4	20	32 in · lb	76 in · lb	107 in · lb	126 in · lb
5/16	18	66 in · lb	157 in · lb	221 in · lb	259 in · lb
3/8	16	10	23	33	38
7/16	14	16	37	52	61
1/2	13	24	57	80	94
9/16	12	35	82	115	135
5/8	11	48	113	159	186
3/4	10	85	200	282	331
7/8	9	136	322	455	533
1	8	204	483	681	799
1-1/4	7	409	840	1363	1597
1-1/2	6	711	1462	2371	2779

### Fine Thread Series

	threads per inch	307A A Torque ft · lb	5 Torque ft · lb	8 Torque ft · lb	9 Torque ft · lb
1/4	28	37 in · lb	87 in · lb	123 in · lb	144 in · lb
5/16	24	73 in · lb	174 in · lb	245 in · lb	287 in · lb
3/8	24	11	26	37	43
7/16	20	18	41	58	68
1/2	20	27	64	90	105
9/16	18	39	91	128	151
5/8	18	54	127	180	211
3/4	16	94	223	315	369
7/8	14	150	355	502	588
1	14	229	542	765	896
1-1/4	12	453	930	1509	1768
1-1/2	12	800	1645	2668	3127

\* note : Torque-Tension relationship for ASTM A307 Grade A(SAE J2), SAE J429 Grade 5, SAE J429 Grade 8 & FNL Grade 9 Bolts

\* note : Torque values for 1/4" and 5/16" are in in·lb. All other torque values are in ft·lb

# Hanger No. List

	Hanger No.	Suitable Size	Hanger No. (with product)
Socket Hanger for 1/4" DR. Socket	08782100  + 	1/4"DR. Socket	 KT No. & D1
Socket Hanger for 3/8" DR. Socket	08783100  + 	3/8"DR. Socket	 KT No. & D1
Socket Hanger for 1/2" DR. Socket	08784100  + 	1/2"DR. Socket	 KT No. & D1
Socket Hanger for 3/4" DR. Socket	08786100  + 	3/4"DR. Socket	 KT No. & D1
Hanger for 1/4" DR. Accessories	08782102  + 	1/4"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 3/8" DR. Accessories	08783102  + 	3/8"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 1/2" DR. Accessories	08784102  + 	1/2"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for Wrench	8781103 choose suitable hangers according to different sizes  +  + 	For example, 1060 6~9mm	 KT No. & D1
Hanger for Wrench & Nut Spinner	8781100 choose suitable hangers according to different sizes  +  + 	For example, 1060 10~19mm & nut spinner	 KT No. & D1
Hanger for Wrench	8781101 choose suitable hangers according to different sizes  +  + 	For example, 1060 20~23mm	 KT No. & D1
Hanger for Wrench	8781102 choose suitable hangers according to different sizes  +  + 	For example, 1060 24~32mm	 KT No. & D1
Hanger for Speed Wrench	087837(size)KT  + 	Speed wrench, open-side speed wrench size, 8~24mm	 KT No. & D1
Hanger for Screwdriver	8785100 choose suitable rubber rings according to different sizes  +  + 	Screwdriver, hex key, spline L-wrench, star L-wrench, L-type wrench, T-type wrench	 KT No. & D1
Hanger for Power Driving	8785001  + 	Power driving 9.5mm groove	 KT No. & D1

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# KING TONY Tools Corporation


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