



Lifetime Warranty



## Hand Tool Program

Professional Tools For Everyone



# ABOUT US

SATA program is one of the leading hand tool brands owned by Apex Tool Group. Apex Tool Group was formed in July 2010 as a joint venture combining two world premier tool manufacturers: Danaher Tool Group and Cooper Tools. Together the two businesses will offer industrial, commercial and do-it-yourself customers an unparalleled selection of over 30 leading brands amongst many others, including



Headquarters at Sparks (North of Baltimore), Maryland USA, ApexTool Group operates in more than 30 countries around the world, employees totaled to 8,000 with annual revenues at approximately USD1.5billion. More details can be found at this website, [www.apextoolgroup.com](http://www.apextoolgroup.com)

Guided by a strong team of seasoned industry executives, the new Company is dedicated to providing its customers with outstanding products, timely delivery, and customer service that is second to none. Apex Tool Group is committed to product innovation driven by listening to our customers and continuous improvement in everything we do. Through focusing on our Our Core Values below, Apex Tool Group is able to compete efficiently and effectively on a global basis.

- Customers come first. Our first priority is exceeding customer expectations for quality, delivery, value, and innovation.
- Integrity in all we do. Integrity is the key to build strong relationships with co-workers, customers, suppliers, sales channel partners, and our communities.

- Continuous improvement in every aspect of our business. Implement and sustain safe, lean processes to drive out waste and improve productivity.
- Innovation for growth. Creative ideas implemented with speed keep us ahead.
- Best talent – one team. Our employees are high performing, entrepreneurial individuals who know how to win as a team.

We aim to continually exceed industry growth rates through gaining share, aggressive new product development, international expansion, e-commerce initiatives and acquisition, bringing the hand tools industry to a new level.

## Forging the INTERNATIONAL market with SATA Tools

SATA Tools are manufactured by one of the largest mechanic hand tools manufacturers in the world, Apex Tool Group which is poised to be a key player in the International market.

Widely used by professionals, SATA Tools are designed to cater for various industries usage from automotive repair workshop to plant maintenance and repair etc. SATA Tools offer wide range of items for your selection from individual open stock to comprehensive advanced set items. SATA Tools are your IDEAL choice!

SATA Tools meet or exceed ANSI standards and DIN standards with each piece offering exceptional value to you, at a very affordable price point.

SATA Tool manufacturing facilities are ISO 9001 certified and Apex Tool Group provides LIFETIME WARRANTY to SATA Tools.



### Ratcheting Wrench

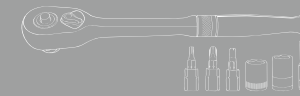
- Combination-Double
- XL X-Beam®
- Double Box
- Reversible
- Flex Head
- XL Locking Flex Head
- Adapter

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### Pass-Thru® Ratchet & Socket System

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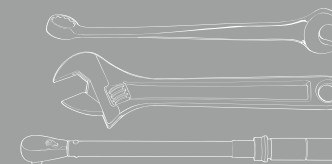
### Socket & Drive Tool

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### Impact Socket

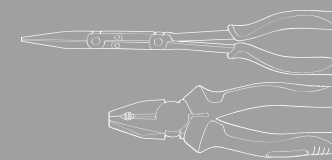
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### Wrench

- XL X-Beam®
- Combination Offset Box End
- Deep Offset Double Box End
- Combination
- Double Open End / Box End
- Ratcheting Adjustable Wrench / Adjustable Wrench
- Double Socket
- Flex Head / Flex Socket
- Flare Nut
- Stubby
- Pipe Wrench
- Torque Wrench

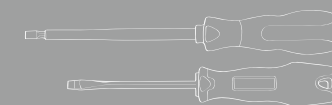
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### Pliers, Crimping Tool, Snips, Cutter

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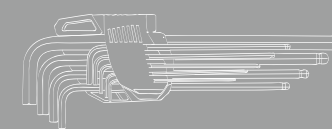
- Double-X™
- Long Nose
- Diagonal
- Linesman
- Groove Joint
- Slip Joint
- Snap Ring
- Crimping Tool
- Cutter



### Screwdriver & Nut Driver

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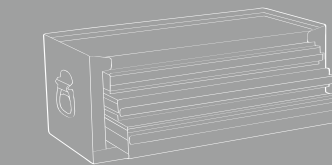
- Slotted
- Phillips
- Torx®
- Nut Driver
- Insulated



### Hex Key

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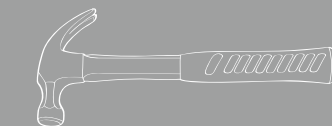
- Extra Long
- Extra Long Ball Point
- Torx®
- T-Handle



### Tool Storage

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- Tool Storage
- Tool Storage - Tray Set



### Punch & Hammer

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- Punch
- Ball Pein
- Claw
- Engineers
- Soft-Face
- Soft / Hard Hammer Tip



### Auto Specialty Tool

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### Other Accessories

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### Display Unit

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- Display Shelf
- Socket Dispenser

### Product Number Index

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### Product Description Index

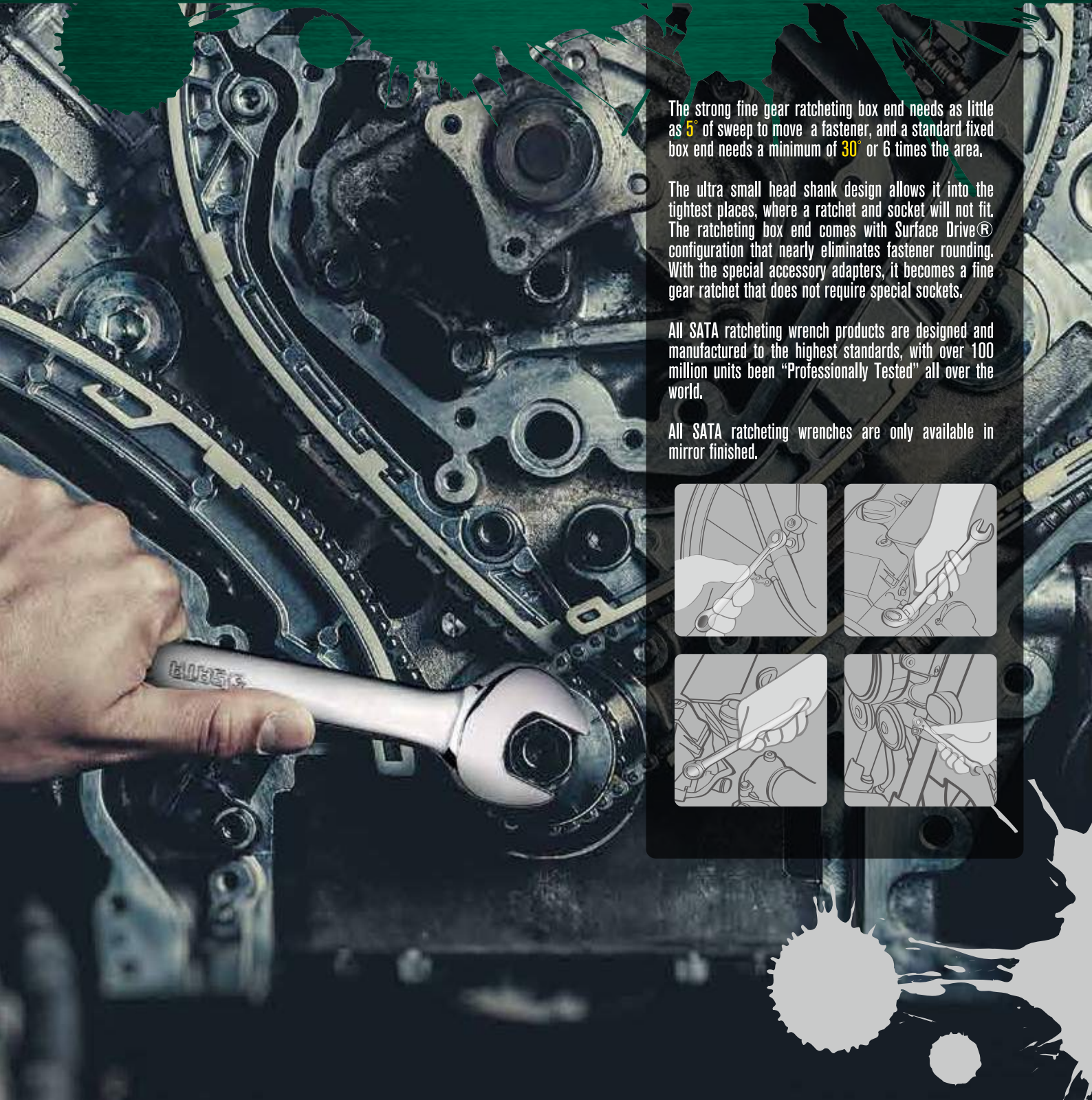
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# Ratcheting Wrench

The SATA ratcheting wrench has the benefits of a ratchet and more.

- COMBINATION DOUBLE RATCHETING
- DOUBLE BOX
- REVERSIBLE
- FLEX HEAD
- XL LOCKING FLEX HEAD
- XL X-BEAM®

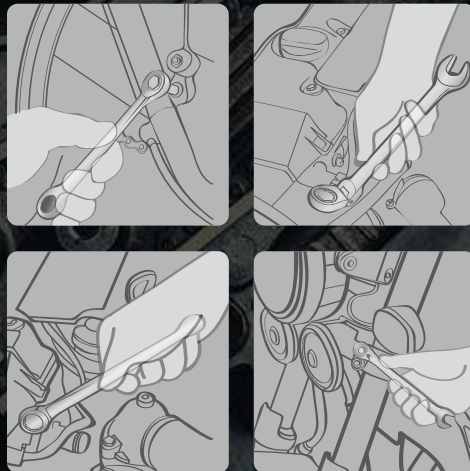


The strong fine gear ratcheting box end needs as little as 5° of sweep to move a fastener, and a standard fixed box end needs a minimum of 30° or 6 times the area.

The ultra small head shank design allows it into the tightest places, where a ratchet and socket will not fit. The ratcheting box end comes with Surface Drive® configuration that nearly eliminates fastener rounding. With the special accessory adapters, it becomes a fine gear ratchet that does not require special sockets.

All SATA ratcheting wrench products are designed and manufactured to the highest standards, with over 100 million units been "Professionally Tested" all over the world.

All SATA ratcheting wrenches are only available in mirror finished.



## Ratcheting Wrench

# Double Ratcheting Wrench - Combination

**Productivity**

The patented broached opening and pin mechanism glide around a fastener gripping it securely in four places

**PRODUCTIVITY**  
5° ratcheting arc VS. 30° on standard combination wrenches.

**ACCESS**  
Sleek head design enables access to tight spots where a ratchet will not fit.

**STRENGTH**  
Surface Drive® provides a stronger grip on fasteners.

• Ratcheting function at both Box End and Open End

Surface Drive® reduces fastener rounding

**Strength**

Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

**Productivity**



# Ratcheting Wrench - XL X-Beam®

# Ratcheting Wrench - Reversible

**Access**

- Up to 25% longer to access those hard to reach fasteners

**Stronger**

- Surface Drive Plus®
- Provides stronger grip on fasteners
- Reduces fastener rounding

**Improved comfort**

- Up to a 500% increase in surface contact area (vs. a standard handle wrench) to reduce hand fatigue

**Strength**

- Improved box end strength
- Surface Drive® reduces fastener rounding

**ACCESS**

The wider, super-strong crossbeam increases contact area with your hand by 500% over traditional wrenches.

**STRENGTH**

Surface Drive® provides a stronger grip on fasteners.

**DESIGN**

Forges at a 90-degree angle from the other end, and the tapered handle is thicker on both sides than a standard wrench.

**Productivity**

- Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

**Productivity**

- Compact reversing lever (no need to remove from fastener to change direction)

**Access**

- 15° offset provides additional knuckle clearance

**Stronger**

- Surface Drive® reduces fastener rounding

**PRODUCTIVITY**

Reversing lever allows you to switch motion from left to right without removing the wrench.

**DESIGN**

15° offset allows for safe operation above the work surface, providing additional knuckle clearance.

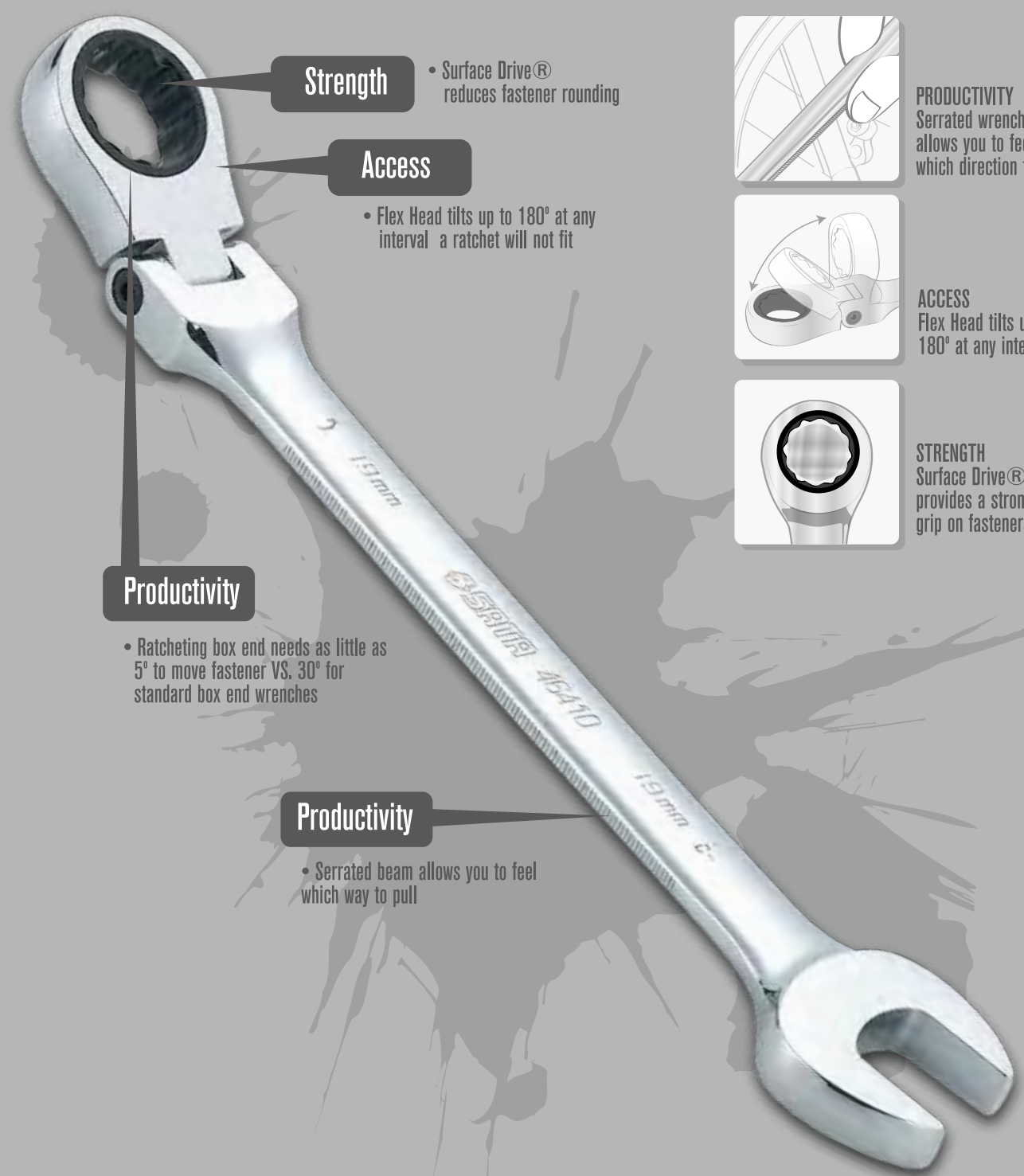
**ACCESS**

Sleek head design enables access to tight spots where a ratchet will not fit.



# Ratcheting Wrench - Flex Head

# Ratcheting Wrench - XL Locking Flex Head

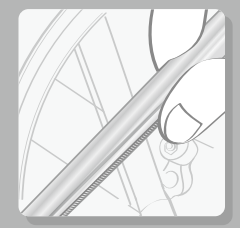


**Strength**

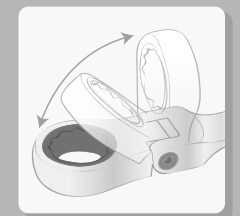
- Surface Drive® reduces fastener rounding

**Access**

- Flex Head tilts up to 180° at any interval a ratchet will not fit



**PRODUCTIVITY**  
Serrated wrench beam allows you to feel which direction to pull.



**ACCESS**  
Flex Head tilts up to 180° at any interval.



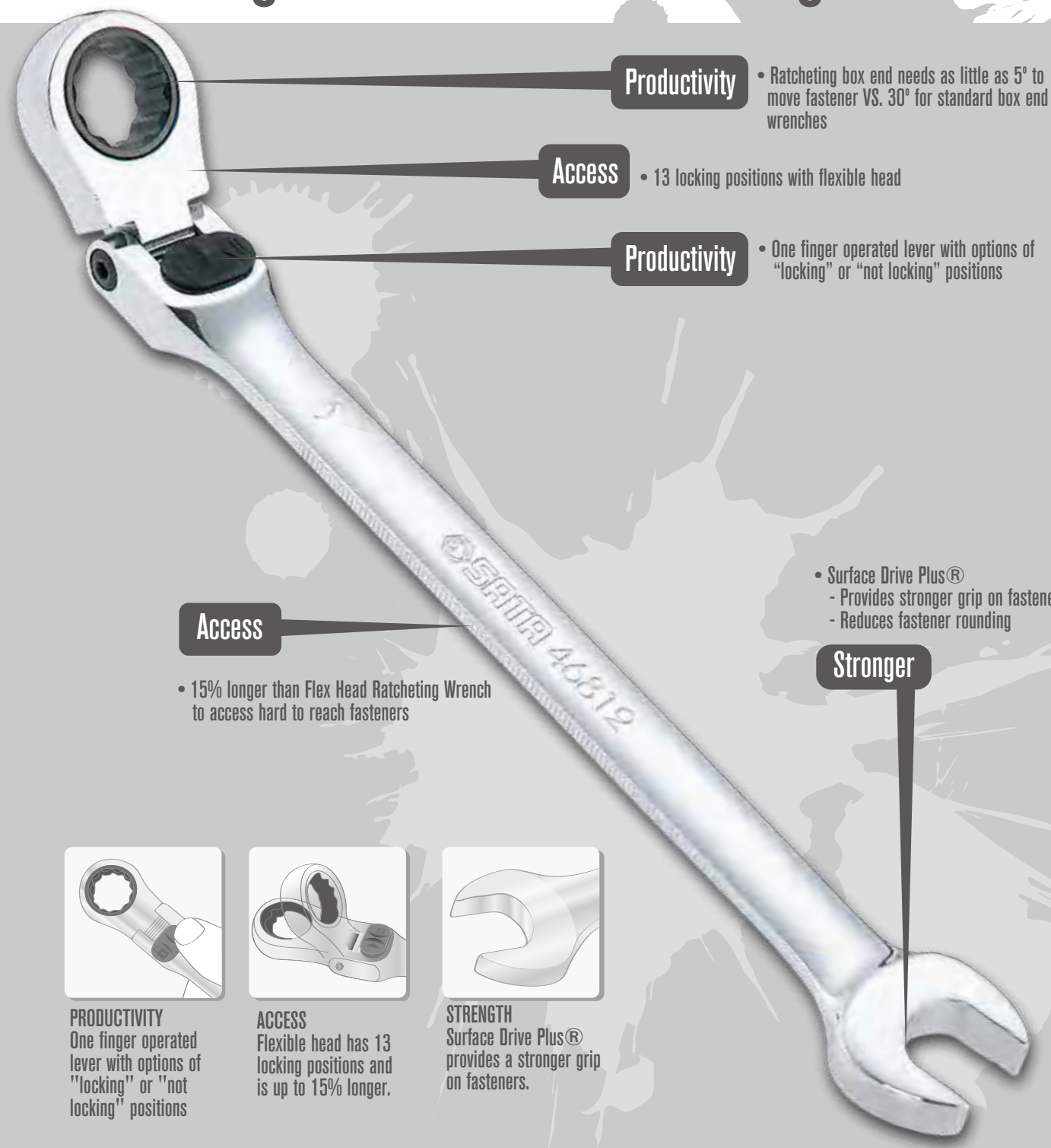
**STRENGTH**  
Surface Drive® provides a stronger grip on fasteners.

**Productivity**

- Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

**Productivity**

- Serrated beam allows you to feel which way to pull



**Productivity**

- Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

**Access**

- 13 locking positions with flexible head

**Productivity**

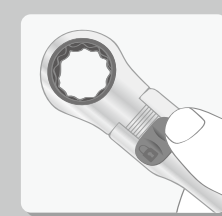
- One finger operated lever with options of "locking" or "not locking" positions

**Access**

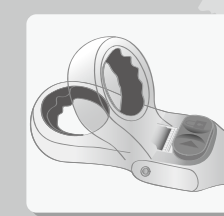
- 15% longer than Flex Head Ratcheting Wrench to access hard to reach fasteners

**Stronger**

- Surface Drive Plus®  
- Provides stronger grip on fasteners  
- Reduces fastener rounding



**PRODUCTIVITY**  
One finger operated lever with options of "locking" or "not locking" positions



**ACCESS**  
Flexible head has 13 locking positions and is up to 15% longer.



**STRENGTH**  
Surface Drive Plus® provides a stronger grip on fasteners.



## 5 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09078	0	12	10 kg

CONTENTS:  
10, 11, 12, 13, 14 mm



## 7 Pc. SAE Double Ratcheting Wrench Set

Cat. No.			G.W.
08020	0	6	14.5 kg

CONTENTS:  
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4"



## 7 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09050	0	5	9 kg

CONTENTS:  
8, 10, 12, 14, 17, 19, 22 mm



## 8 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
08007A	0	12	12.2 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 17, 19 mm



## 7 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09024	0	6	14.5 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 18mm



## 7 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09054	1	4	8 kg

CONTENTS:  
8, 10, 12, 14, 17, 19, 21 mm



## 8 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09079	0	5	8.3 kg

CONTENTS:  
8, 10, 11, 12, 13, 14, 17, 19mm



## 12 Pc. Metric Double Ratcheting Wrench Set

Cat. No.			G.W.
09066	2	4	9.2 kg

CONTENTS:  
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm





**8 Pc. Metric XL X-Beam® Ratcheting Wrench Set**

Cat. No.			G.W.
08015	0	4	7.6 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 17, 19mm



**10 Pc. Metric XL X-Beam® Ratcheting Wrench Set**

Cat. No.			G.W.
08016	0	4	9.3 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 16, 17, 18, 19mm



**6 Pc. Metric Double Box Ratcheting Wrench Set**

Cat. No.			G.W.
09025	0	6	7.8 kg

CONTENTS:  
8x9, 10x11, 12x13, 14x15, 16x18, 17x19mm



**5 Pc. Metric Reversible Ratcheting Wrench Set**

Cat. No.			G.W.
09083	0	12	10.6 kg

CONTENTS:  
10, 11, 12, 13, 14mm



**6 Pc. Metric Reversible Ratcheting Wrench Set**

Cat. No.			G.W.
09080	0	5	6.6 kg

CONTENTS:  
10, 12, 13, 14, 17, 19mm



**5 Pc. Metric Flex Head Ratcheting Wrench Set**

Cat. No.			G.W.
09082	0	12	11.2 kg

CONTENTS:  
10, 11, 12, 13, 14mm



**7 Pc. Metric XL Locking Flex Head Ratcheting Wrench Set**

Cat. No.			G.W.
09043	6	12	17.4 kg

CONTENTS:  
10, 12, 13, 14, 15, 17, 19mm



**3 Pc. Metric Drive Adapter Set**

Cat. No.			G.W.
09084	10	40	6 kg

CONTENTS:  
1/4"Dr. x 10mm  
3/8"Dr. x 13mm  
1/2"Dr. x 19mm







## SAE Double Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
43501	5/16 in	20 mm	19 mm	140 mm	6	96	5.5 kg
43502	3/8 in	22.5 mm	21.4 mm	159 mm	6	96	7.1 kg
43503	7/16 in	25 mm	23 mm	165.5 mm	6	36	3.3 kg
43504	1/2 in	30 mm	26.5 mm	178 mm	6	36	4 kg
43505	9/16 in	32 mm	28.6 mm	191 mm	6	36	4.8 kg
43506	5/8 in	35 mm	32 mm	209 mm	6	36	5.9 kg
43507	11/16 in	38.5 mm	33.5 mm	226 mm	6	36	6.9 kg
43508	3/4 in	42 mm	37 mm	248 mm	6	36	8.8 kg
43509	13/16 in	46 mm	42 mm	292 mm	4	24	9.8 kg
43510	7/8 in	46 mm	42 mm	292 mm	4	24	9.8 kg
43511	15/16 in	52.2 mm	49 mm	334 mm	4	16	9.2 kg
43512	1 in	52.2 mm	49 mm	334 mm	4	16	9.3 kg
43113*	1-1/16 in	56.4 mm	52.5 mm	359 mm	4	16	12.2 kg
43114*	1-1/8 in	62 mm	58.5 mm	402 mm	2	12	10.5 kg
43115*	1-1/4 in	65.6 mm	62 mm	426 mm	2	12	14.1 kg

\* These sizes are with standard (non-ratcheting) open end.

ASME B107.100-2010 (B107.66)

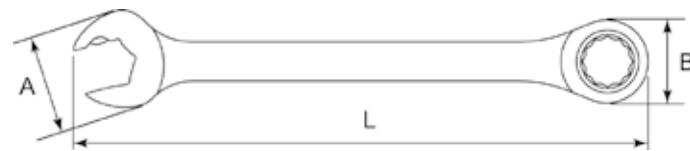
## Metric Double Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
43601	5.5 mm	15 mm	17.8 mm	126 mm	6	96	5.5 kg
43602	6 mm	15 mm	17.8 mm	126 mm	6	96	5.5 kg
43603	7 mm	17 mm	17.8 mm	133 mm	6	96	5.5 kg
43604	8 mm	20 mm	19 mm	140 mm	6	96	5.5 kg
43605	9 mm	20.3 mm	19.7 mm	150 mm	6	96	6 kg
43606	10 mm	22.5 mm	21.4 mm	159 mm	6	96	7.1 kg
43607	11 mm	25 mm	23 mm	165.5 mm	6	36	3.3 kg
43608	12 mm	27.4 mm	24.5 mm	172 mm	6	36	3.7 kg
43609	13 mm	30 mm	26.5 mm	178 mm	6	36	4 kg
43610	14 mm	32 mm	28.6 mm	191 mm	6	36	4.8 kg
43611	15 mm	34.5 mm	30 mm	200 mm	6	36	5.6 kg
43612	16 mm	35 mm	32 mm	209 mm	6	36	5.9 kg
43613	17 mm	38.5 mm	33.5 mm	226 mm	6	36	6.9 kg
43614	18 mm	40.5 mm	34.6 mm	237 mm	6	36	7.7 kg
43615	19 mm	43 mm	37 mm	248 mm	6	36	8.8 kg
43616	21 mm	46 mm	42 mm	292 mm	4	24	9.8 kg
43617	22 mm	46 mm	42 mm	292 mm	4	24	9.8 kg
43618	24 mm	52.2 mm	49 mm	334 mm	4	16	9.2 kg
43619	25 mm	52.2 mm	49 mm	334 mm	4	16	9.3 kg
43217*	27 mm	56.4 mm	52.5 mm	359 mm	4	16	12.2 kg
43218*	30 mm	62 mm	58.5 mm	402 mm	2	12	10.5 kg
43219*	32 mm	65.6 mm	62 mm	426 mm	2	12	12.2 kg

\* These sizes are with standard (non-ratcheting) open end.

ASME B107.100-2010 (B107.66)

- Sleek head design enables access to tight spots where a ratchet will not fit
- 5° ratcheting arc VS. 30° on standard combination wrenches
- Surface Drive® provides a stronger grip on fasteners



## SAE XL X-Beam® Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46321	5/16 in	20 mm	18.5 mm	151 mm	6	96	4.9 kg
46322	3/8 in	22.7 mm	22 mm	181 mm	6	96	7.4 kg
46323	7/16 in	25 mm	24 mm	196 mm	6	96	9.6 kg
46324	1/2 in	29 mm	27.4 mm	220.8 mm	6	72	9.6 kg
46325	9/16 in	32 mm	29 mm	235.8 mm	6	72	11.7 kg
46326	5/8 in	35 mm	33.3 mm	261 mm	6	36	7.7 kg
46327	11/16 in	38.5 mm	35 mm	276 mm	6	36	9.5 kg
46328	3/4 in	42 mm	37 mm	306 mm	6	36	12.6 kg

## Metric XL X-Beam® Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46301	8 mm	20 mm	18.5 mm	151 mm	6	96	4.9 kg
46302	9 mm	20.3 mm	19.6 mm	165 mm	6	96	6 kg
46303	10 mm	22.7 mm	22 mm	181 mm	6	96	7.4 kg
46304	11 mm	25 mm	24 mm	196 mm	6	96	9.6 kg
46305	12 mm	27 mm	25.3 mm	207.8 mm	6	96	11.1 kg
46306	13 mm	29 mm	27.4 mm	220.8 mm	6	72	9.6 kg
46307	14 mm	32 mm	29 mm	235.8 mm	6	72	11.7 kg
46308	15 mm	34 mm	31.3 mm	250 mm	6	72	13.4 kg
46309	16 mm	35 mm	33.3 mm	261 mm	6	36	7.7 kg
46310	17 mm	38.5 mm	35 mm	276 mm	6	36	9.5 kg
46311	18 mm	40.5 mm	36 mm	290 mm	6	36	10.3 kg
46312	19 mm	42 mm	37 mm	306 mm	6	36	12.6 kg



- Surface Drive® provides a stronger grip on fasteners and reduces fastener rounding
- Powerful - Torque output increase by 25%
- Up to a 500% increase on surface contact area (vs. a standard handle wrench) to reduce hand fatigue





## SAE Double Box Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
46101	5/16x3/8 in	18.5 mm	21.8 mm	131 mm	6	36	2.7 kg
46102	7/16x1/2 in	23.5 mm	26.5 mm	161 mm	6	36	3.7 kg
46103	9/16x5/8 in	28.5 mm	32.5 mm	191 mm	6	36	5.7 kg
46104	11/16x3/4 in	34.5 mm	36.6 mm	231 mm	6	36	7.3 kg

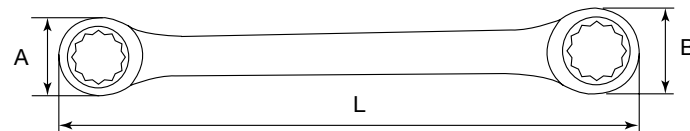
ASME B107.100-2010 (B107.66)

## Metric Double Box Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
46201	8x9 mm	18 mm	19.5 mm	131 mm	6	96	5.9 kg
46200	8x10 mm	18.5 mm	21.8 mm	131 mm	6	96	6 kg
46202	10x11 mm	21.8 mm	23.5 mm	151 mm	6	36	3.2 kg
46203	12x13 mm	25 mm	26.5 mm	171 mm	6	36	4.1 kg
46204	14x15 mm	28.5 mm	30.5 mm	191 mm	6	36	5.7 kg
46205	16x18 mm	32.5 mm	35.5 mm	211 mm	6	36	6.3 kg
46206	17x19 mm	34.5 mm	36.6 mm	231 mm	6	36	7.3 kg

ASME B107.100-2010 (B107.66)

- Sleek head design enables access to tight spots where a ratchet will not fit
- 5° ratcheting arc VS. 30° on standard combination wrenches
- Surface Drive® provides a stronger grip on fasteners
- Sleek head design enables access to tight spots where a ratchet will not fit
- 5° ratcheting arc VS. 30° on standard combination wrenches
- Surface Drive® provides a stronger grip on fasteners



## Metric Ratcheting Wrench Socket Adapters w/ Quick Release

Cat. No.	Male Drive Size	Overall Length	⊞	⊞	G.W.
46654	1/4"	20.3 mm	10	80	3.6 kg
46655	3/8"	24.3 mm	10	80	4.5 kg
46656	1/2"	29.3 mm	10	80	8 kg

- Fit into ratcheting wrench to become quick-release ratchet



## SAE Reversible Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
46671	5/16 in	20 mm	18 mm	140 mm	6	36	2.1 kg
46672	11/32 in	20 mm	19.6 mm	150 mm	6	36	2.3 kg
46673	3/8 in	22.5 mm	21.6 mm	159 mm	6	36	2.6 kg
46674	7/16 in	25 mm	23.5 mm	165 mm	6	36	3.3 kg
46675	1/2 in	30 mm	27 mm	178 mm	6	36	4 kg
46676	9/16 in	32 mm	28.5 mm	191 mm	6	36	4.7 kg
46677	5/8 in	35 mm	33 mm	208 mm	6	60	9.4 kg
46678	11/16 in	38.5 mm	34.5 mm	226 mm	6	60	10.9 kg
46679	3/4 in	42 mm	37 mm	248 mm	6	60	12.6 kg
46680	13/16 in	46 mm	42 mm	292 mm	6	36	7.9 kg
46681	7/8 in	46 mm	42 mm	292 mm	6	36	7.9 kg
46682	15/16 in	52 mm	49 mm	334 mm	6	24	14.4 kg
46683	1 in	52 mm	49 mm	334 mm	6	24	14.4 kg

ASME B107.100-2010 (B107.66)

## Metric Reversible Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
46601	8 mm	20 mm	18 mm	140 mm	6	36	2.1 kg
46602	9 mm	20 mm	19.6 mm	150 mm	6	36	2.3 kg
46603	10 mm	22.5 mm	21.6 mm	159 mm	6	36	2.6 kg
46604	11 mm	25 mm	23.5 mm	165 mm	6	36	3.3 kg
46605	12 mm	27 mm	25 mm	172 mm	6	36	3.6 kg
46606	13 mm	30 mm	27 mm	178 mm	6	36	4 kg
46607	14 mm	32 mm	28.5 mm	191 mm	6	36	4.7 kg
46608	15 mm	34.5 mm	31 mm	200 mm	6	36	5.4 kg
46609	16 mm	35 mm	33 mm	208 mm	6	60	9.4 kg
46610	17 mm	38.5 mm	34.5 mm	226 mm	6	60	10.9 kg
46611	18 mm	41 mm	36 mm	236 mm	6	60	12 kg
46612	19 mm	42 mm	37 mm	248 mm	6	60	12.6 kg
46613	21 mm	46 mm	42 mm	292 mm	6	36	7.9 kg
46614	22 mm	46 mm	42 mm	292 mm	6	36	7.9 kg
46615	24 mm	52 mm	49 mm	334 mm	6	24	14.4 kg
46616	25 mm	52 mm	49 mm	334 mm	4	24	14.4 kg
46617	20 mm	46 mm	42 mm	292 mm	6	36	15 kg

ASME B107.100-2010 (B107.66)

- Ratcheting box end needs as little as 5 degree to move fastener VS. 30 degree for standard box end wrenches
- Surface Drive® reduces fastener rounding
- 15 degree offset provides additional knuckle clearance
- Compact reversing lever (no need to remove from fastener to change direction)







**SAE Flex Head Ratcheting Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46471	5/16 in	20 mm	18.5 mm	144 mm	6	36	2.5 kg
46472	3/8 in	22.5 mm	22 mm	161 mm	6	36	3.6 kg
46473	7/16 in	25 mm	24 mm	168 mm	6	36	4 kg
46474	1/2 in	30 mm	27.4 mm	181 mm	6	36	5.1 kg
46475	9/16 in	32 mm	28.8 mm	193 mm	6	36	6.2 kg
46476	5/8 in	35 mm	33 mm	210 mm	6	36	7.3 kg
46477	11/16 in	38.5 mm	35 mm	227 mm	6	36	8.5 kg
46478	3/4 in	42 mm	36.9 mm	249 mm	6	36	11.2 kg
46479	13/16 in	46 mm	42 mm	292 mm	6	36	18.5 kg
46480	7/8 in	46 mm	42 mm	292 mm	6	36	20.7 kg
46481	15/16 in	52.5 mm	49 mm	334 mm	4	24	15.6 kg
46482	1 in	52.5 mm	49 mm	334 mm	4	24	16.4 kg

ASME B107.100-2010 (B107.66)

**SAE XL Locking Flex Head Ratcheting Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46901	5/16 in	16.9 mm	17.9 mm	146 mm	6	72	4.6 kg
46902	11/32 in	18.8 mm	19.6 mm	159 mm	6	72	5.3 kg
46903	3/8 in	20.9 mm	21.3 mm	171 mm	6	72	6.7 kg
46904	7/16 in	23.1 mm	23 mm	183 mm	6	72	7.5 kg
46905	1/2 in	27.1 mm	26.2 mm	207 mm	6	72	10.4 kg
46906	9/16 in	29.3 mm	26.7 mm	219 mm	6	72	11.8 kg
46907	5/8 in	33.2 mm	31.7 mm	242 mm	6	36	9 kg
46908	11/16 in	35.5 mm	32.2 mm	254 mm	6	36	10 kg
46909	3/4 in	39.8 mm	36 mm	280 mm	6	36	12.5 kg
46910	13/16 in	45.9 mm	42 mm	316 mm	6	24	13.7 kg
46911	7/8 in	48.4 mm	42 mm	335 mm	6	24	13.7 kg
46912	15/16 in	51.9 mm	49 mm	356 mm	6	24	19 kg
46913	1 in	53.9 mm	49 mm	378 mm	6	24	19.2 kg

ASME B107.100-2010 (B107.66)

**Metric Flex Head Ratcheting Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46421	8 mm	20 mm	18.5 mm	144 mm	6	36	2.5 kg
46422	9 mm	20 mm	20 mm	152 mm	6	36	3.6 kg
46401	10 mm	22.5 mm	22 mm	161 mm	6	36	2.8 kg
46402	11 mm	25 mm	24 mm	168 mm	6	36	3.6 kg
46403	12 mm	27 mm	25 mm	174 mm	6	36	4.2 kg
46404	13 mm	30 mm	27.4 mm	181 mm	6	36	4.7 kg
46405	14 mm	32 mm	28.8 mm	193 mm	6	36	5.4 kg
46406	15 mm	34.5 mm	30.8 mm	202 mm	6	36	6.9 kg
46407	16 mm	35 mm	33 mm	210 mm	6	36	7.8 kg
46408	17 mm	38.5 mm	35 mm	227 mm	6	36	8.6 kg
46409	18 mm	41 mm	36 mm	238 mm	6	36	9.3 kg
46410	19 mm	42 mm	36.9 mm	249 mm	6	36	10.8 kg
46412	21 mm	46 mm	42 mm	292 mm	6	36	18.5 kg
46413	22 mm	46 mm	42 mm	292 mm	6	36	20.7 kg
46414	24 mm	52.5 mm	49 mm	334 mm	6	24	15.6 kg
46415	25 mm	52.5 mm	49 mm	334 mm	6	24	16.4 kg

ASME B107.100-2010 (B107.66)

**Metric XL Locking Flex Head Ratcheting Wrenches**

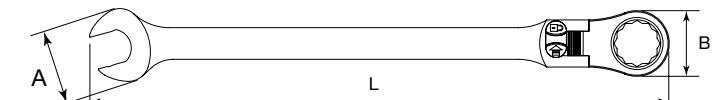
Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
46801	8 mm	16.9 mm	17.9 mm	146 mm	6	72	4.6 kg
46802	9 mm	18.8 mm	19.6 mm	159 mm	6	72	5.3 kg
46803	10 mm	20.9 mm	21.3 mm	171 mm	6	72	6.7 kg
46804	11 mm	23.1 mm	23 mm	183 mm	6	72	7.5 kg
46805	12 mm	25 mm	24.1 mm	195 mm	6	72	9.6 kg
46806	13 mm	27.1 mm	26.2 mm	207 mm	6	72	10.4 kg
46807	14 mm	29.3 mm	26.7 mm	219 mm	6	72	11.8 kg
46808	15 mm	31.2 mm	29.9 mm	231 mm	6	72	13.4 kg
46809	16 mm	33.2 mm	31.7 mm	242 mm	6	36	9 kg
46810	17 mm	35.5 mm	32.2 mm	254 mm	6	36	10 kg
46811	18 mm	37.5 mm	33.3 mm	267 mm	6	36	11 kg
46812	19 mm	39.8 mm	36 mm	280 mm	6	36	12.5 kg
46813	20 mm	45.9 mm	42 mm	297 mm	6	24	13.2 kg
46814	21 mm	45.9 mm	42 mm	316 mm	6	24	13.7 kg
46815	22 mm	48.4 mm	42 mm	335 mm	6	24	14.2 kg
46816	24 mm	51.9 mm	49 mm	356 mm	6	24	19 kg
46817	25 mm	53.9 mm	49 mm	378 mm	6	24	19.2 kg

ASME B107.100-2010 (B107.66)

- Serrated beam allows you to feel which way to pull
- Surface Drive® reduces fastener rounding
- Flex Head tilts up to 180 degree at any interval a ratchet will not fit



- 5° ratcheting arc VS. 30° on standard combination wrenches
- 13 locking positions with 180° flexible head
- One finger operated lever with options of "locking" or "not locking" positions
- Surface Drive® provides a stronger grip on fasteners





# Pass-Thru® Ratchet & Socket System

## Pass-Thru® Ratchet & Socket System

**Productivity**

- 5° Ratcheting arc VS. 12° on conventional ratchets

**Strength**

- Up to 40% stronger by eliminating drive tang

**Productivity**

- Pass-Thru® ratchet & socket system eliminates the need for deep sockets

**Access**

- Up to 50% thinner than conventional ratchet systems

**Access**

- The Pass-Thru® socket has a thin wall and arc design

**Versatility**

- Adapter allows you to use Pass-Thru® ratchet with standard square drive sockets

**PRODUCTIVITY**  
Pass-Thru® ratchet & socket system eliminates the need for deep sockets.

**ACCESS**  
Up to 50% thinner than conventional ratchet systems.

**STRENGTH**  
Up to 40% stronger by eliminating drive tang.

## Pass-Thru® Ratchet & Socket System

### 25 Pc. 1/4" Drive 6 Point Metric/SAE Pass-Thru® Socket Set

Cat. No.	6	12	G.W.
09131			8.4 kg

- CONTENTS:**
- 13 - Metric Pass-Thru® Sockets  
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
  - 9 - S.A.E. Pass-Thru® Sockets  
5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8, 7/16, 1/2"
  - 1 - Quick-Release Adapter
  - 1 - Pass-Thru® Extension 3"
  - 1 - Pass-Thru® Ratchet



### 21 Pc. 3/8" Drive 6 Point Metric/SAE Pass-Thru® Socket Set

Cat. No.	3	12	G.W.
09134			18.1 kg

- CONTENTS:**
- 10 - Metric Pass-Thru® Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
  - 7 - S.A.E. Pass-Thru® Sockets  
3/8, 7/16, 1/2, 5/8, 9/16, 11/16, 3/4"
  - 1 - 3/8"Dr. x 1/4" Quick-Release Adapter
  - 1 - 3/8"Dr. x 3/8" Quick-Release Adapter
  - 1 - Pass-Thru® Extension 3"
  - 1 - Pass-Thru® Ratchet



### 12 Pc. 1/2" Drive 6 Point Metric Pass-Thru® Socket Set

Cat. No.	4	8	G.W.
09133			23 kg

- CONTENTS:**
- 9 - Metric Pass-Thru® Sockets  
19, 20, 21, 22, 24, 27, 30, 32, 34 mm
  - 1 - Quick-Release Adapter
  - 1 - Pass-Thru® Extension 6"
  - 1 - Pass-Thru® Ratchet



### 30 Pc. 1/4" and 3/8" Drive 6 Point Metric Pass-Thru® Socket Set

Cat. No.	4	8	G.W.
09132			17.5 kg

- CONTENTS:**
- 13 - 1/4"Dr. Metric Pass-Thru® Sockets  
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
  - 1 - 1/4"Dr. Pass-Thru® Ratchet
  - 1 - 1/4"Dr. Pass-Thru® Extension 3"
  - 1 - 1/4"Dr. Quick-Release Adapter
  - 10 - 3/8"Dr. Metric Pass-Thru® Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
  - 1 - 3/8"Dr. Pass-Thru® Ratchet
  - 1 - 3/8"Dr. Pass-Thru® Extension 3"
  - 1 - 3/8"Dr. x 1/4" Quick-Release Adapter
  - 1 - 3/8"Dr. x 3/8" Quick-Release Adapter







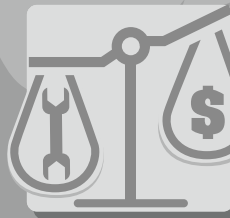
## Socket & Drive Tool



SATA tools are designed to cater for various industries usage from automotive repair workshop to plant maintenance and repair.



SATA tools offer wide range of items for your selection from individual open stock to comprehensive advanced set items. SATA tools are your ideal choice.



Each piece of SATA tool offers exceptional value to you with highest product quality standard at a very affordable price point.

### blow mold cases

SATA's blow mold cases are made of high quality P.E. materials that are very durable, secure, portable and sturdy. Compared with the traditional metal casing, SATA's blow mold case is lighter and is much safer since there are no sharp edges and is rustproof.



### 25 Pc. 1/4" Drive 6 Point Metric Socket Set

Cat. No.	Box	Case	G.W.
09001	0	12	16.9 kg

#### CONTENTS:

- 14 - 6pt. Metric Sockets  
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- 5 - 6pt. Metric Deep Sockets 8, 10, 11, 12, 13 mm
- 6 - Accessories  
Quick-Release Ratchet  
Spinner Handle  
Wobble Extensions 2", 4"  
T-handle  
Universal Joint



### 38 Pc. 1/4" Drive 6 Point Metric Socket Set

Cat. No.	Box	Case	G.W.
09002	0	12	16.7 kg

#### CONTENTS:

- 14 - 6pt. Metric Sockets  
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- 18 - Bit Sockets  
Slotted 4, 5.5, 6.5mm Phillips #1, #2 Pozidriv #1, #2  
Torx® T10, T15, T20, T25, T30, T40 Hex 3, 4, 5, 6, 8 mm
- 6 - Accessories  
Quick-Release Ratchet  
Spinner Handle  
T-handle  
Universal Joint  
Wobble Extensions 2", 4"



### 25 Pc. 1/4" Drive 6 Point SAE Socket Set

Cat. No.	Box	Case	G.W.
09098	0	6	9 kg

#### CONTENTS:

- 10 - 6pt. S.A.E. Sockets  
5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
- 10 - 6pt. S.A.E. Deep Sockets  
5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
- 5 - Accessories  
Quick-Release Ratchet  
Spinner Handle  
Wobble Extensions 2", 6"  
Universal Joint



### 25 Pc. 1/4" Drive 12 Point Metric Socket Set

Cat. No.	Box	Case	G.W.
09206	12	24	13.6 kg

#### CONTENTS:

- 10 - 12pt. Metric Sockets  
4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- 12 - Bits  
Phillips #1, #2, #3 Slotted 5/32, 7/32, 9/32"  
Hex 1/8, 5/32, 3/16" Torx® T15, T20, T25
- 3 - Accessories  
Quick-Release Ratchet  
Wobble Extension 2"  
Bit Adapter





**13 Pc. 1/4" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09521	6	36	16.6 kg

- CONTENTS:**  
 11 - 6pt. Metric Sockets  
 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm  
 2 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 2"



**5 Pc. 3/8" Drive Spark Plug Socket Set**

Cat. No.			G.W.
09003	5	10	13 kg

- CONTENTS:**  
 1 - Wobble Extension 6"  
 1 - Locking Extension 6"  
 1 - Offset Flex Head Ratchet Handle  
 2 - Spark Plug Sockets 16, 21 mm



**15 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
08005ME	1	6	14 kg

- CONTENTS:**  
 14 - 6pt. Metric Sockets  
 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27mm  
 1 - Quick-Release Ratchet



**14 Pc. 3/8" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09523	4	16	15.6 kg

- CONTENTS:**  
 12 - 6pt. Metric Sockets  
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm  
 2 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 3"



**58 Pc. 3/8" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09004	0	3	13.6 kg

- CONTENTS:**  
 18 - 6pt. Metric Sockets  
 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24 mm  
 9 - 6pt. Metric Deep Sockets 8, 10, 11, 12, 13, 14, 15, 17, 19 mm  
 2 - Spark Plug Sockets 16, 21 mm  
 24 - Bit Sockets  
 Slotted 5.5, 6.5, 8 mm Phillips #1, #2, #3 Pozidriv #1, #2  
 Torx® T10, T15, T20, T25, T30, T40, T45, T50, T55  
 Hex 3, 4, 5, 6, 7, 8, 10 mm  
 5 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 3", 10"  
 Universal Joint  
 1/2"F x 3/8"M 3-Way Adapter



**16 Pc. 3/8" Drive 6 Point SAE Socket Set**

Cat. No.			G.W.
09085	6	12	25.6 kg

- CONTENTS:**  
 11 - 6pt. S.A.E. Sockets  
 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"  
 5 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 3", 6"  
 Flex Handle 8"  
 1/2"F x 3/8"M 3-Way Adapter



**9 Pc. 3/8" Drive 6 Point Metric Motorcycle Tool Set**

Cat. No.			G.W.
09511	0	6	8.5 kg

- CONTENTS:**  
 7 - 6pt. Metric Deep Sockets 8, 9, 10, 11, 12, 13, 14 mm  
 2 - Accessories  
 T-handle  
 Wobble Extension 10"



**20 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09005	0	6	20.9 kg

- CONTENTS:**  
 12 - 6pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 mm  
 3 - 6pt. Metric Deep Sockets 13, 17, 19 mm  
 1 - Spark Plug Socket 16 mm  
 4 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter





**46 Pc. 1/2" Drive 6 Point Metric/SAE Socket Set**

Cat. No.			G.W.
09006	0	3	21.4 kg

- CONTENTS:**  
 20 - 6pt. Metric Sockets  
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm  
 7 - 6pt. Metric Deep Sockets 10, 12, 13, 14, 15, 17, 19 mm  
 2 - Spark Plug Sockets 16, 21 mm  
 11 - 6pt. S.A.E. Sockets  
 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"  
 6 - Accessories  
 Quick-Release Ratchet  
 Flex Handle 10"  
 Wobble Extensions 5", 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter



**58 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09007	0	3	18.2 kg

- CONTENTS:**  
 17 - 6pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32 mm  
 8 - 6pt. Metric Deep Sockets 10, 11, 12, 13, 14, 15, 17, 19 mm  
 2 - Spark Plug Sockets 16, 21 mm  
 25 - 5/16" Shank 30L Bits  
 Slotted 8, 10, 12 mm Phillips #1, #2, #3, #4 Pozidriv #1, #2, #3, #4  
 Torx® T20, T25, T30, T40, T45, T50, T55  
 Hex 4, 5, 6, 8, 10, 12, 14 mm  
 6 - Accessories  
 Quick-Release Ratchet  
 5/16" Shank x 1/2"Dr. Bit Adapter  
 Wobble Extensions 5", 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter



**24 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09060-6	0	4	18.8 kg

- CONTENTS:**  
 19 - 6pt. Metric Sockets  
 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm  
 5 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 Universal Joint  
 T-handle



**25 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09092ME	0	2	11.3 kg

- CONTENTS:**  
 20 - 6pt. Metric Sockets  
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm  
 1 - Spark Plug Socket 21mm  
 4 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Flex Handle 15"  
 Universal Joint



**27 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09135	0	4	23 kg

- CONTENTS:**  
 20 - 6pt. Metric Sockets  
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm  
 7 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5" 10"  
 Flex Handle 17"  
 Universal Joint  
 Spark Plug Socket  
 T-handle



**24 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.			G.W.
09060	0	4	18.8 kg

- CONTENTS:**  
 19 - 12pt. Metric Sockets  
 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm  
 5 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 Universal Joint  
 T-handle



**25 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.			G.W.
09092ME-12	0	2	11.3 kg

- CONTENTS:**  
 20 - 12pt. Metric Sockets  
 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm  
 1 - Spark Plug Socket 21mm  
 4 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Flex Handle 15"  
 Universal Joint



**17 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.			G.W.
09086	0	6	18.2 kg

- CONTENTS:**  
 13 - 12pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm  
 1 - Spark Plug Socket 16 mm  
 3 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 5"  
 Flex Handle 10"





**20 Pc. 1/2" Drive 6 and 12 Point SAE Socket Set**

Cat. No.	0	4	G.W.
09087			18.7 kg

- CONTENTS:**  
 8 - 6pt. S.A.E. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"  
 7 - 12pt. S.A.E. Sockets 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4"  
 5 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 Flex Handle 15"  
 3/8" F x 1/2" M 3-Way Adapter



**22 Pc. 1/2" Drive 12 Point SAE Socket Set**

Cat. No.	0	4	G.W.
09088			22.9 kg

- CONTENTS:**  
 15 - 12pt. S.A.E. Sockets  
 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"  
 7 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 Flex Handle 10"  
 T-handle  
 Universal Joint  
 Speed Handle



**18 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.	0	6	G.W.
09203			21.5 kg

- CONTENTS:**  
 14 - 12pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 24, 27, 30, 32 mm  
 4 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 T-handle



**18 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.	0	6	G.W.
09204			21.5 kg

- CONTENTS:**  
 14 - 12pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 24, 27, 30, 32 mm  
 4 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 T-handle



**28 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.	0	4	G.W.
09090			24.9 kg

- CONTENTS:**  
 21 - 12pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32 mm  
 7 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 Flex Handle 10"  
 T-handle  
 Universal Joint  
 Speed Handle



**28 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.	0	4	G.W.
09090-6			20.5 kg

- CONTENTS:**  
 21 - 6pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32mm  
 7 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension Bars 5", 10"  
 Flex Handle 10"  
 Sliding T-Bar  
 Universal Joint  
 Speed Handle



**24 Pc. 1/2" Drive 12 Point Metric Socket Set**

Cat. No.	0	4	G.W.
09205			21.7 kg

- CONTENTS:**  
 18 - 12pt. Metric Sockets  
 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm  
 6 - Accessories  
 Quick-Release Ratchet  
 Wobble Extensions 5", 10"  
 T-handle  
 Universal Joint  
 Speed Handle



**13 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.	2	8	G.W.
09525			13.9 kg

- CONTENTS:**  
 11 - 6pt. Metric Sockets  
 10, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 mm  
 2 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 5"





**26 Pc. 1/2" Drive 6 Point Metric Socket Tool Set**

Cat. No.	0	4	G.W.
09501	0	4	19.8 kg

- CONTENTS:**  
 12 - 6pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 mm  
 3 - 6pt. Metric Deep Sockets 13, 17, 19 mm  
 1 - Spark Plug Socket 16 mm  
 4 - Acetate Screwdrivers  
 Slotted 6x38mm, 5x75 mm Phillips #2x38 mm, #2x100 mm  
 6 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter  
 Long Nose Pliers 6"  
 Linesman's Pliers 8"



**26 Pc. 1/2" Drive 6 Point Metric Socket Tool Set**

Cat. No.	0	2	G.W.
09502	0	2	11.2 kg

- CONTENTS:**  
 9 - 6pt. Metric Sockets 10, 12, 14, 16, 17, 19, 21, 22, 24 mm  
 4 - Acetate Screwdrivers  
 Slotted 6x100mm, 6x150 mm Phillips #2x100 mm, #2x150 mm  
 13 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 5"  
 Flex Handle 15"  
 Combination Wrenches  
 8, 10, 12, 14, 16, 17, 19mm  
 Long Nose Pliers 6"  
 Diagonal Pliers 6"  
 Linesman's Pliers 7"



**26 Pc. 1/2" Drive 6 Point Metric Socket Tool Set**

Cat. No.	0	2	G.W.
09504	0	2	14.8 kg

- CONTENTS:**  
 9 - 6pt. Metric Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24 mm  
 4 - Acetate Screwdrivers  
 Slotted 5x75mm, 6x150 mm Phillips #1x75 mm, #2x150 mm  
 13 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 5"  
 Flex Handle 15"  
 Combination Wrenches  
 8, 10, 12, 14, 16, 17, 19 mm  
 Long Nose Pliers 6"  
 Diagonal Pliers 6"  
 Linesman's Pliers 7"



**25 Pc. 1/2" Drive 6 and 12 Point Metric Socket Wrench Set**

Cat. No.	0	6	G.W.
09506	0	6	16.5 kg

- CONTENTS:**  
 12 - 12pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 mm  
 3 - 6pt. Metric Deep Sockets 13, 17, 19 mm  
 1 - Spark Plug Socket 16 mm  
 9 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter  
 Combination Wrenches  
 10, 11, 12, 13, 14mm



**25 Pc. 1/2" Drive 6 Point Metric Socket Wrench Set**

Cat. No.	0	6	G.W.
09506-6	0	6	20.6 kg

- CONTENTS:**  
 12 - 6pt. Metric Sockets  
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24mm  
 3 - 6pt. Metric Deep Sockets 13, 17, 19mm  
 1 - Spark Plug Socket 16mm  
 9 - Accessories  
 Quick-Release Ratchet  
 Wobble Extension 10"  
 Universal Joint  
 3/8"F x 1/2"M 3-Way Adapter  
 Combination Wrenches  
 10, 11, 12, 13, 14mm



**12 Pc. 1/2" Drive Bit Socket Set**

Cat. No.	0	5	G.W.
09055	0	5	10.8 kg

- CONTENTS:**  
 2 - 50L Hex Bit Sockets 12, 17mm  
 1 - 70L Hex Bit Socket 6mm  
 1 - 100L Hex Bit Socket 7mm  
 1 - 120L Hex Bit Socket 8mm  
 2 - 140L Hex Bit Sockets 6, 10mm  
 1 - 180L Hex Bit Socket 5mm  
 1 - 250L Hex Bit Socket 6mm  
 1 - 100L Triple Square Bit Socket M8  
 1 - 120L Triple Square Bit Socket M10  
 1 - 140L Triple Square Bit Socket M12



**35 Pc. 1/4" and 3/8" Drive E-torx Socket and Wrench Set**

Cat. No.	0	12	G.W.
09010	0	12	18.7 kg

- CONTENTS:**  
 7 - 1/4" Shank Tamper-Proof Torx® Bits  
 T10, T15, T20, T25, T27, T30, T40  
 12 - 3/8"Dr. E-Torx® Sockets  
 E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18, E20  
 11 - 3/8"Dr. Torx® Bit Sockets  
 T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60  
 5 - Accessories  
 E-Torx® Wrenches E6xE8, E10xE12, E14xE18, E20xE24  
 1/4" Shank x 3/8"Dr. Bit Adapter



**18 Pc. 1/4" and 1/2" Drive Bit Socket Set**

Cat. No.	0	5	G.W.
09051	0	5	10.5 kg

- CONTENTS:**  
 6 - 1/4"Dr. Bit Sockets  
 Slotted 4, 5.5, 6.5 mm Phillips #1, #2, #3  
 6 - 1/2"Dr. 50L Triple Square Bit Sockets  
 M5, M6, M8, M10, M12, M14  
 6 - 1/2"Dr. 100L Triple Square Bit Sockets  
 M5, M6, M8, M10, M12, M14



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



**18 Pc. 1/4" and 1/2" Drive Torx® Bit Socket Set**

Cat. No.	0	5	G.W.
09052			9.3 kg

**CONTENTS:**  
 6 - 1/4"Dr. Torx® Bit Sockets T10, T15, T20, T25, T30, T40  
 6 - 1/2"Dr. 50L Torx® Bit Sockets T30, T40, T45, T50, T55, T60  
 6 - 1/2"Dr. 100L Torx® Bit Sockets T30, T40, T45, T50, T55, T60



**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

**18 Pc. 1/4" and 1/2" Drive Metric Hex Bit Socket Set**

Cat. No.	0	5	G.W.
09053			9.3 kg

**CONTENTS:**  
 6 - 1/4"Dr. Hex Bit Sockets 3, 4, 5, 6, 7, 8mm  
 6 - 1/2"Dr. 50L Hex Bit Sockets 5, 6, 7, 8, 10, 12mm  
 6 - 1/2"Dr. 100L Hex Bit Sockets 5, 6, 7, 8, 10, 12mm



**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

**65 Pc. 1/4" and 3/8" Drive 6 Point Metric/SAE Socket Set**

Cat. No.	0	3	G.W.
09011			10.1 kg

**CONTENTS:**  
 12 - 1/4"Dr. 6pt. Metric Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm  
 10 - 1/4"Dr. 6pt. S.A.E. Sockets 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"  
 18 - 1/4" Shank 25L Bits  
 Slotted 4, 5.5, 6.5 mm  
 Phillips #1, #2, #3  
 Torx® T10, T15, T20, T25, T30, T40  
 Hex 3, 4, 5, 6, 7, 8 mm  
 10 - 3/8"Dr. 6pt. Metric Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm  
 8 - 3/8"Dr. 6pt. S.A.E. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16"  
 1 - 3/8"Dr. Spark Plug Socket 16 mm  
 6 - Accessories  
 3/8"Dr. Quick-Release Ratchet  
 3/8"Dr. Wobble Extension 3"  
 3/8"Dr. Universal Joint  
 1/4" Shank x 1/4"Dr. Bit Adapter  
 3/8"F x 1/4"M Adapter  
 1/4"Dr. Spinner Handle



**86 Pc. 1/4" and 1/2" Drive 6 Point Metric Socket Set**

Cat. No.	0	3	G.W.
09013			19.6 kg

**CONTENTS:**  
 14 - 1/4"Dr. 6pt. Metric Sockets 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm  
 8 - 1/4"Dr. 6pt. Metric Deep Sockets 6, 7, 8, 9, 10, 11, 12, 13 mm  
 17 - 1/4"Dr. Bit Sockets  
 Slotted 4, 5.5, 6.5 mm  
 Phillips #1, #2  
 Pozidriv #1, #2  
 Torx® T8, T10, T15, T20, T25, T30  
 Hex 3, 4, 5, 6 mm  
 2 - 1/2"Dr. Spark Plug Sockets 16, 21 mm  
 14 - 1/2"Dr. 6pt. Metric Sockets  
 10, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32 mm  
 4 - 1/2"Dr. 6pt. Metric Deep Sockets 14, 15, 17, 19 mm  
 15 - 5/16" Shank 30L Bits  
 Slotted 8, 10, 12mm  
 Phillips #3, #4  
 Pozidriv #3, #4  
 Torx® T40, T45, T50, T55  
 Hex 8, 10, 12, 14 mm  
 12 - Accessories  
 1/4", 1/2"Dr. Quick-Release Ratchets  
 1/4"Dr. T-handle  
 1/4"Dr. Wobble Extensions 2", 4"  
 1/2"Dr. Wobble Extensions 5", 10"  
 1/4", 1/2"Dr. Universal Joints  
 3/8"F x 1/2"M 3-Way Adapter  
 1/4"Dr. Spinner Handle  
 5/16" Shank x 1/2"Dr. Bit Adapter



**76 Pc. 1/4" and 1/2" Drive 6 Point Metric Socket Wrench Set**

Cat. No.	0	3	G.W.
09519			20.6 kg

**CONTENTS:**  
 7 - 1/4"Dr. 6pt. Metric Sockets 8, 9, 10, 11, 12, 13, 14 mm  
 18 - 1/4"Dr. Bit Sockets  
 Slotted 4, 5.5, 6.5 mm  
 Phillips #1, #2  
 Pozidriv #1, #2  
 Torx® T8, T10, T15, T20, T25, T30, T40  
 Hex 3, 4, 5, 6 mm  
 12 - 1/2"Dr. 6pt. Metric Sockets 8, 10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32 mm  
 15 - 5/16" Shank 30L Bits  
 Slotted 8, 10, 12 mm  
 Phillips #3, #4  
 Pozidriv #3, #4  
 Torx® T40, T45, T50, T55  
 Hex 8, 10, 12, 14 mm  
 2 - 1/2"Dr. Spark Plug Sockets 16, 21 mm  
 22 - Accessories  
 1/4", 1/2"Dr. Quick-Release Ratchets  
 1/4"Dr. T-handle  
 1/4"Dr. Flex Extension  
 1/4"Dr. Wobble Extensions 2", 4"  
 1/2"Dr. Wobble Extensions 5", 10"  
 1/4", 1/2"Dr. Universal Joints  
 1/4"Dr. Spinner Handle  
 1/2"Dr. T-handle  
 5/16" Shank x 1/2"Dr. Bit Adapter  
 Combination Wrenches 8, 10, 11, 12, 13, 14, 17, 19, 22 mm





**120 Pc. 1/4", 3/8" and 1/2" Drive 6 Point Metric/SAE Socket Wrench Set**

Cat. No.			G.W.
09014	0	2	18.9 kg

- CONTENTS:**
- 10 - 1/4" Dr. 6pt. Metric Sockets 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
  - 10 - 1/4" Dr. 6pt. S.A.E. Sockets 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
  - 4 - 1/4" Dr. 6pt. Metric Deep Sockets 8, 9, 10, 12 mm
  - 7 - 1/4" Shank 25L Tamper-Proof Torx® Bits T10, T15, T20, T25, T27, T30, T40
  - 11 - 3/8" Dr. 6pt. Metric Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
  - 9 - 3/8" Dr. 6pt. S.A.E. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
  - 4 - 3/8" Dr. 6pt. Metric Deep Sockets 13, 14, 15, 17 mm
  - 2 - 3/8" Dr. Spark Plug Sockets 16, 21 mm
  - 17 - 3/8" Dr. Bit Sockets
    - Slotted 5.5, 6.5mm Phillips #1, #2 Pozidriv #1, #2 Torx® T20, T30, T40
    - Tamper-Proof Torx® T45, T50, T55, T60 Hex 3, 4, 5, 6 mm
  - 8 - 3/8" Dr. E-Torx® Sockets E8, E10, E11, E12, E14, E16, E18, E20
  - 7 - 1/2" Dr. 6pt. Metric Sockets 20, 21, 22, 24, 27, 30, 32 mm
  - 4 - 1/2" Dr. 6pt. S.A.E. Sockets 5/16, 1, 1-1/16, 1-1/4"
  - 4 - 1/2" Dr. 6pt. Metric Impact Sockets 17, 19, 21, 23mm
  - 23 - Accessories
    - 1/4", 3/8", 1/2" Dr. Quick-Release Ratchets
    - 1/4" Dr. Spinner Handle
    - 1/4" Dr. Wobble Extension 2"
    - 3/8" Dr. Wobble Extensions 3", 6"
    - 1/2" Dr. Wobble Extensions 5", 10"
    - 1/4", 3/8", 1/2" Dr. Universal Joints
    - 1/4" Shank x 1/4" Dr. Bit Adapter
    - Combination Wrenches 8, 9, 10, 11, 12, 13, 14, 17, 18, 19 mm



**15 Pc. 3/4" Drive 12 Point Metric Socket Set**

Cat. No.			G.W.
09015	0	1	15.4 kg

- CONTENTS:**
- 10 - 12pt. Metric Sockets 30, 32, 34, 36, 38, 41, 46, 50, 55, 60 mm
  - 5 - Accessories
    - Quick-Release Ratchet
    - T-handle
    - Extensions 4", 8"
    - Universal Joint



**16 Pc. 1/2" Drive 6 Point Metric Socket Set**

Cat. No.			G.W.
09520	1	8	14 kg

- CONTENTS:**
- 10 - 6pt. Metric Sockets 8, 10, 12, 13, 14, 17, 19, 21, 22, 24
  - 6 - 6pt. Metric Deep Sockets 10, 12, 14, 17, 19, 21



**150 Pc. 1/4", 3/8" and 1/2" Drive 6 and 12 Point Metric/SAE Socket Wrench Set**

Cat. No.			G.W.
09510	0	1	14 kg

- CONTENTS:**
- 10 - 1/4" Dr. 6pt. Metric Sockets 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
  - 10 - 1/4" Dr. 6pt. S.A.E. Sockets 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
  - 6 - 1/4" Dr. 6pt. Metric Deep Sockets 4, 5, 6, 7, 8, 9 mm
  - 11 - 3/8" Dr. 6pt. Metric Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
  - 9 - 3/8" Dr. 6pt. S.A.E. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
  - 6 - 3/8" Dr. 6pt. Metric Deep Sockets 10, 11, 12, 13, 14, 15 mm
  - 2 - 3/8" Dr. Spark Plug Sockets 16, 21 mm
  - 22 - 3/8" Dr. Bit Sockets
    - Slotted 4, 5.5, 6.5 mm Phillips #1, #2, #3 Pozidriv #1, #2, #3
    - Torx® T20, T30, T40 Tamper-Proof T45, T50, T55, T60 Hex 3, 4, 5, 6, 8, 10 mm
  - 8 - 3/8" Dr. 6pt. E-Torx® Sockets E8, E10, E11, E12, E14, E16, E18, E20
  - 4 - 1/2" Dr. 6pt. Metric Impact Sockets 17, 19, 21, 23 mm
  - 7 - 1/2" Dr. 12pt. Metric Sockets 20, 21, 22, 24, 27, 30, 32 mm
  - 4 - 1/2" Dr. 12pt. S.A.E. Sockets 15/16, 1, 1-1/16, 1-1/4"
  - 6 - 1/2" Dr. 6pt. Metric Deep Sockets 10, 12, 13, 14, 17, 19 mm
  - 45 - Accessories
    - 1/4", 3/8", 1/2" Dr. Quick-Release Ratchets
    - 1/4" Dr. Bit Adapter
    - 1/4" Dr. Spinner Handle
    - 1/4" Dr. Wobble Extension 4"
    - 3/8" Dr. Locking Extensions 3", 6"
    - 1/2" Dr. Wobble Extension 5"
    - 1/2" Dr. Locking Extension 10"
    - 1/4", 3/8", 1/2" Dr. Universal Joints
    - 1/4" Shank Torx® Bits (Tamper-Proof) T10, T15, T20, T25, T27, T30, T40
    - Hex Key Metric Set (10pcs)
    - Combination Wrenches 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
    - Double Box Ratcheting Wrenches 8x10, 12x13, 17x19 mm



**3 Pc. L-Shaped Wheel Wrench Set**

Cat. No.			G.W.
09531	10	10	12.3 kg

- CONTENTS:**
- 13920 - 1/2" Dr. Offset Handle 345mm
  - 13921 - 1/2" Dr. Dual Head Socket 17x19mm
  - 13922 - 1/2" Dr. Dual Head Socket 21x23mm

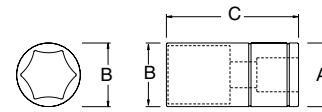




1/4" Drive 6 Point SAE Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11101	5/32 in	11.8 mm	6.9 mm	24.5 mm	12	384	7.1 kg
11102	3/16 in	11.8 mm	7.8 mm	24.5 mm	12	384	7.1 kg
11103	7/32 in	11.8 mm	8.5 mm	24.5 mm	12	384	7.3 kg
11104	1/4 in	11.8 mm	9.5 mm	24.5 mm	12	384	7.3 kg
11105	9/32 in	11.8 mm	10.7 mm	24.5 mm	12	384	7.3 kg
11106	5/16 in	11.8 mm	11.8 mm	24.5 mm	12	384	7.3 kg
11107	11/32 in	12.5 mm	12.5 mm	24.5 mm	12	168	5 kg
11108	3/8 in	13.8 mm	13.8 mm	24.5 mm	12	168	5.1 kg
11109	7/16 in	15.7 mm	15.7 mm	24.5 mm	6	84	3 kg
11110	1/2 in	17.3 mm	17.3 mm	24.5 mm	6	84	3.4 kg

ANSI B107.1



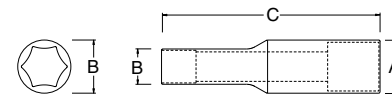
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/4" Drive 6 Point SAE Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11201	3/16 in	11.9 mm	7.85 mm	49 mm	12	396	10.9 kg
11202	7/32 in	11.9 mm	8.85 mm	49 mm	12	396	11.4 kg
11203	1/4 in	11.9 mm	9.9 mm	49 mm	12	396	12.5 kg
11204	9/32 in	11.9 mm	10.95 mm	49 mm	12	396	12 kg
11205	5/16 in	11.9 mm	11.9 mm	49 mm	12	396	11.4 kg
11206	11/32 in	13.1 mm	13.1 mm	49 mm	6	84	3.6 kg
11207	3/8 in	14.6 mm	14.6 mm	49 mm	6	84	4.6 kg
11208	7/16 in	15.9 mm	15.9 mm	49 mm	6	84	5.7 kg
11209	1/2 in	17.9 mm	17.9 mm	49 mm	6	72	5.3 kg

ANSI B107.1



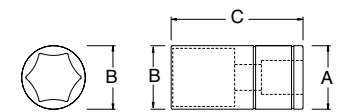
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/4" Drive 6 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11301	3.5 mm	11.8 mm	6.1 mm	24.5 mm	12	384	7.1 kg
11302	4 mm	11.8 mm	6.7 mm	24.5 mm	12	384	7.1 kg
11303	4.5 mm	11.8 mm	7.3 mm	24.5 mm	12	384	7.1 kg
11304	5 mm	11.8 mm	8.0 mm	24.5 mm	12	384	7.1 kg
11305	5.5 mm	11.8 mm	8.6 mm	24.5 mm	12	384	7.1 kg
11306	6 mm	11.8 mm	9.2 mm	24.5 mm	12	384	7.3 kg
11307	7 mm	11.8 mm	10.7 mm	24.5 mm	12	384	7.3 kg
11308	8 mm	11.8 mm	11.8 mm	24.5 mm	12	384	7.3 kg
11309	9 mm	13.1 mm	13.1 mm	24.5 mm	12	168	4.1 kg
11310	10 mm	14.3 mm	14.3 mm	24.5 mm	12	168	4.4 kg
11311	11 mm	15.8 mm	15.8 mm	24.5 mm	6	84	3.1 kg
11312	12 mm	16.8 mm	16.8 mm	24.5 mm	6	84	3.2 kg
11313	13 mm	17.9 mm	17.9 mm	24.5 mm	6	84	3.6 kg
11314	14 mm	19.5 mm	19.5 mm	24.5 mm	6	84	4 kg

ANSI B107.5M  
DIN 3124



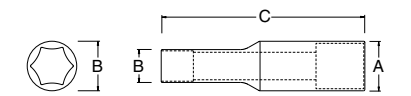
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage.
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/4" Drive 6 Point Metric Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11401	4 mm	11.9 mm	6.7 mm	49 mm	12	396	10.3 kg
11402	5 mm	11.9 mm	8.0 mm	49 mm	12	396	10.9 kg
11403	6 mm	11.9 mm	9.2 mm	49 mm	12	396	11.4 kg
11404	7 mm	11.9 mm	10.8 mm	49 mm	12	396	12.5 kg
11405	8 mm	11.9 mm	11.9 mm	49 mm	12	396	12.5 kg
11406	9 mm	13.1 mm	13.1 mm	49 mm	6	84	3.4 kg
11407	10 mm	14.6 mm	14.6 mm	49 mm	6	84	3.3 kg
11408	11 mm	15.9 mm	15.9 mm	49 mm	6	84	5.1 kg
11409	12 mm	16.9 mm	16.9 mm	49 mm	6	84	5.4 kg
11410	13 mm	17.9 mm	17.9 mm	49 mm	6	72	5 kg

ANSI B107.5M  
DIN 3124



- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 1/4" Drive Quick-Release Ratchet

Cat. No.	Overall Length			G.W.
11905	143 mm	4	24	4.2 kg

ANSI B107.10M  
DIN 3122



- Made of Chrom Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/4" Drive Quick-Release Ratchet

Cat. No.	Overall Length			G.W.
11906	143 mm	4	24	4.1 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### Magnetic Pickup Tool

Cat. No.	Overall Length Min	Overall Length Max			G.W.
11924	165 mm	545 mm	6	36	3 kg



- Long shaft gets in tight places
- Powerful magnets are fitted into the brass sleeve on these units

### 1/4" Drive Quick-Release Round Head Ratchet

Cat. No.	Overall Length			G.W.
11901	142 mm	4	24	4.2 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Quick-release capability to easily eject an engaged socket even under slippery conditions.

### 1/4" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet

Cat. No.	Overall Length			G.W.
11970	153 mm	4	24	4.2 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/4" Drive Flex Handle / Breaker Bar

Cat. No.	Overall Length			G.W.
11909	140 mm	6	36	5.2 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
  - Direction change function
- ⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/4" Drive T-handle

Cat. No.	Overall Length			G.W.
11910	100 mm	6	36	2.7 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/4" Drive Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
11912	1/4"	1/4"	34.7 mm	12	168	6.8 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/4" Drive Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
11913	1/4"	3/8"	25.5 mm	12	384	9.7 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/4" Drive Bits Adapter

Cat. No.	Size			G.W.
11914	1/4 in	12	384	9.7 kg

ANSI B107.10M



- Made of Chrome Vanadium steel

⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/4" Drive Flex Extension

Cat. No.	Overall Length			G.W.
11922	150 mm	6	36	3.6 kg

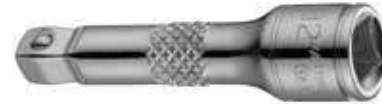


- Made of Chrome Vanadium steel

1/4" Drive Wobble Extensions

Cat. No.	Size	Overall Length			G.W.
11903	2 in	50 mm	12	396	12 kg
11904	4 in	100 mm	12	72	4.6 kg

ANSI B107.10M  
DIN 3123



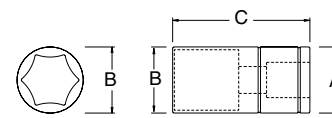
- Made of Chrome Vanadium steel

⚠ These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

3/8" Drive 6 Point SAE Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
12101	1/4 in	17.2 mm	10 mm	25 mm	6	192	5.5 kg
12102	5/16 in	17.2 mm	11.7 mm	25 mm	6	192	5.5 kg
12103	3/8 in	17.2 mm	13.8 mm	25 mm	6	192	5.7 kg
12104	7/16 in	17.2 mm	16 mm	25 mm	6	192	6.3 kg
12105	1/2 in	17.9 mm	17.9 mm	25 mm	6	192	6.8 kg
12106	9/16 in	19.7 mm	19.7 mm	25 mm	6	84	3.2 kg
12107	5/8 in	22.2 mm	22.2 mm	25 mm	6	84	4.5 kg
12108	11/16 in	23.9 mm	23.9 mm	25 mm	6	72	4.7 kg
12109	3/4 in	25.9 mm	25.9 mm	25 mm	6	72	5.4 kg
12110	13/16 in	27.9 mm	27.9 mm	28 mm	4	48	4.8 kg
12111	7/8 in	29.7 mm	29.7 mm	28 mm	4	48	5.1 kg

ANSI B107.1



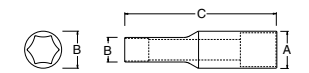
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

⚠ These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

3/8" Drive 6 Point SAE Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
12201	3/8 in	16.8 mm	13.8 mm	63.5 mm	6	198	10.9 kg
12202	7/16 in	16.8 mm	16 mm	63.5 mm	6	198	11.3 kg
12203	1/2 in	18.3 mm	18.3 mm	63.5 mm	6	72	6.2 kg
12204	9/16 in	19.8 mm	19.8 mm	63.5 mm	6	72	6.5 kg
12205	5/8 in	22 mm	22 mm	63.5 mm	6	72	7.2 kg
12206	11/16 in	23.8 mm	23.8 mm	63.5 mm	6	72	9.7 kg
12207	3/4 in	25.8 mm	25.8 mm	63.5 mm	6	72	11.6 kg
12208	13/16 in	27.8 mm	27.8 mm	63.5 mm	4	48	9.8 kg
12209	7/8 in	29.8 mm	29.8 mm	63.5 mm	4	48	10.3 kg

ANSI B107.1



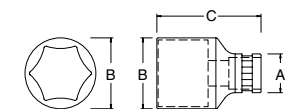
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

⚠ These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

3/8" Drive 6 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
12301	6 mm	17 mm	9.3 mm	25 mm	6	192	5.5 kg
12302	7 mm	17 mm	10.8 mm	25 mm	6	192	5.7 kg
12303	8 mm	17 mm	12 mm	25 mm	6	192	5.8 kg
12304	9 mm	17 mm	12.9 mm	25 mm	6	192	6 kg
12305	10 mm	17 mm	14.5 mm	25 mm	6	192	6 kg
12306	11 mm	17 mm	15.8 mm	25 mm	6	192	6 kg
12307	12 mm	17 mm	17 mm	25 mm	6	192	6.3 kg
12308	13 mm	18.3 mm	18.3 mm	25 mm	6	84	3.6 kg
12309	14 mm	19.5 mm	19.5 mm	25 mm	6	84	3.8 kg
12310	15 mm	20.8 mm	20.8 mm	25 mm	6	84	4 kg
12311	16 mm	22 mm	22 mm	25 mm	6	84	4.4 kg
12312	17 mm	23.3 mm	23.3 mm	25 mm	6	72	4.3 kg
12313	18 mm	23.8 mm	23.8 mm	25 mm	6	72	4.4 kg
12314	19 mm	25.5 mm	25.5 mm	25 mm	6	72	4.5 kg
12315	20 mm	27 mm	27 mm	28 mm	4	48	4 kg
12316	21 mm	27.9 mm	27.9 mm	28 mm	4	48	4.1 kg
12317	22 mm	29.5 mm	29.5 mm	28 mm	4	48	4.8 kg
12318	24 mm	31.9 mm	31.9 mm	28 mm	4	48	4.9 kg

ANSI B107.5M  
DIN 3124



- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

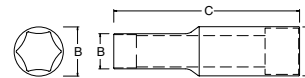
⚠ These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 3/8" Drive 6 Point Metric Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length	⊞	⊞	G.W.
12401	8 mm	16.8 mm	12 mm	63.5 mm	6	198	10.9 kg
12402	9 mm	16.8 mm	12.9 mm	63.5 mm	6	198	10.9 kg
12403	10 mm	16.8 mm	14.5 mm	63.5 mm	6	198	10.9 kg
12404	11 mm	16.8 mm	15.8 mm	63.5 mm	6	198	11.3 kg
12405	12 mm	16.8 mm	16.8 mm	63.5 mm	6	198	12.5 kg
12406	13 mm	18.8 mm	18.8 mm	63.5 mm	6	72	6.2 kg
12407	14 mm	19.5 mm	19.5 mm	63.5 mm	6	72	6.5 kg
12408	15 mm	20.8 mm	20.8 mm	63.5 mm	6	72	7.2 kg
12409	16 mm	22 mm	22 mm	63.5 mm	6	72	7.3 kg
12410	17 mm	23.8 mm	23.8 mm	63.5 mm	6	72	9.7 kg
12411	18 mm	23.8 mm	23.8 mm	63.5 mm	6	72	9.9 kg
12412	19 mm	25.5 mm	25.5 mm	63.5 mm	6	72	11.6 kg
12413	20 mm	27 mm	27 mm	63.5 mm	4	48	9.1 kg
12414	21 mm	27.8 mm	27.8 mm	63.5 mm	4	48	9.8 kg
12415	22 mm	29.5 mm	29.5 mm	63.5 mm	4	48	10.3 kg

ANSI B107.5M  
DIN 3124



- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

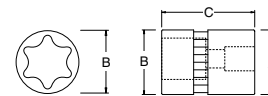
**⚠** These sockets should never be used on power drives, pneumatic impact wrench and/or extenders.

### 3/8" Drive External Torx® Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length	⊞	⊞	G.W.
12701	E4	17 mm	7 mm	26 mm	6	192	3.9 kg
12702	E5	17 mm	8 mm	26 mm	6	192	3.9 kg
12703	E6	17 mm	8 mm	26 mm	6	192	3.9 kg
12704	E7	17 mm	9 mm	26 mm	6	192	3.9 kg
12705	E8	17 mm	10.5 mm	26 mm	6	192	4.6 kg
12706	E10	17 mm	13 mm	26 mm	6	192	5.6 kg
12707	E11	17 mm	14 mm	26 mm	6	192	5.6 kg
12708	E12	17 mm	15 mm	26 mm	6	192	6.5 kg
12709	E14	18.3 mm	18.3 mm	28.5 mm	6	84	4.7 kg
12710	E16	18.3 mm	18.3 mm	28.5 mm	6	84	5 kg
12711	E18	19.5 mm	19.5 mm	28.5 mm	6	84	5 kg
12712	E20	22 mm	22 mm	30.5 mm	6	84	6.1 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

**⚠** These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 3/8" Drive Quick-Release Ratchet

Cat. No.	Overall Length	⊞	⊞	G.W.
12971	200 mm	4	24	7.7 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 3/8" Drive Quick-Release Ratchet

Cat. No.	Overall Length	⊞	⊞	G.W.
12972	200 mm	4	24	7.3 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 3/8" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet

Cat. No.	Overall Length	⊞	⊞	G.W.
12970	217 mm	4	24	8.3 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 3/8" Drive Quick-Release Round Head Ratchet

Cat. No.	Overall Length	⊞	⊞	G.W.
12901	197 mm	4	24	8.3 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 3/8" Drive Quick-Release Stubby Teardrop Ratchet

Cat. No.	Overall Length	⊞	⊞	G.W.
12960	115 mm	6	36	6.3 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 3/8" Drive Wobble Extensions

Cat. No.	Size	Overall Length	⊞	⊞	G.W.
12903	3 in	75 mm	6	72	6.4 kg
12904	6 in	150 mm	6	36	6.2 kg
12905	10 in	250 mm	6	36	9.5 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel
- ⚠** These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 3/8" Drive Locking Extensions

Cat. No.	Size	Overall Length			G.W.
12906	3 in	75 mm	6	72	6.7 kg
12907	6 in	150 mm	6	36	6.1 kg
12908	10 in	250 mm	6	36	9.3 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive T-handle

Cat. No.	Overall Length			G.W.
12910	165 mm	6	36	6.4 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
12912	3/8"	3/8"	51.2 mm	6	72	10.7 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Flex Handle / Breaker Bar

Cat. No.	Overall Length			G.W.
12909	140 mm	6	36	10.6 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Direction change function

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Offset Flex Quick-Release Teardrop Ratchet

Cat. No.	Overall Length			G.W.
12911	275 mm	4	24	10.7 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Adapters

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
12913	3/8"	1/4"	25.6 mm	6	192	8.4 kg
12914	3/8"	1/2"	25.7 mm	6	84	6.1 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Metric Spark Plug Sockets

Cat. No.	Fastener Size			G.W.
12915	16 mm	6	72	8.3 kg
12916	21 mm	6	72	12 kg

ANSI B107.34M



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Bits Adapter

Cat. No.	Size			G.W.
12917	1/4 in	6	192	9.1 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive 12 Point Metric Thin Wall Spark Plug Sockets

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
12925	3/8"	1/2"	43.6 mm	6	48	3.6 kg



- Made of Chrome Vanadium Steel
- There is a rubber insert to retain spark plug

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive SAE Spark Plug Sockets

Cat. No.	Fastener Size			G.W.
12919	5/8 in	6	72	8.3 kg
12920	13/16 in	6	72	12 kg

ANSI B107.34M



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/8" Drive Flex Extension

Cat. No.	Overall Length			G.W.
12922	200 mm	6	36	5.8 kg



- Made of Chrome Vanadium steel

### 3/8" Drive 3-Way Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
12930	3/8"	1/2"	43.6 mm	6	72	8.1 kg

ANSI B107.10M  
DIN 3123



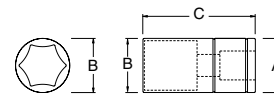
- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.



1/2" Drive 6 Point SAE Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13101	5/16 in	22.2 mm	12.5 mm	37.8 mm	4	84	4.9 kg
13102	3/8 in	22.2 mm	14.5 mm	37.8 mm	6	84	4.9 kg
13103	7/16 in	22.2 mm	17 mm	37.8 mm	6	84	5.2 kg
13104	1/2 in	22.2 mm	18.6 mm	37.8 mm	6	84	5.2 kg
13105	9/16 in	22.2 mm	20.6 mm	37.8 mm	6	84	5.4 kg
13106	5/8 in	22.2 mm	22.2 mm	37.8 mm	6	84	5.7 kg
13107	11/16 in	23.8 mm	23.8 mm	37.8 mm	6	72	5.8 kg
13108	3/4 in	25.9 mm	25.9 mm	37.8 mm	6	72	6.1 kg
13109	13/16 in	27.9 mm	27.9 mm	37.8 mm	4	48	5.2 kg
13110	7/8 in	29.9 mm	29.9 mm	37.8 mm	4	48	5.9 kg
13111	15/16 in	31.9 mm	31.9 mm	37.8 mm	4	48	6.5 kg
13112	1 in	33.9 mm	33.9 mm	40 mm	4	48	7.7 kg
13113	1-1/16 in	35.9 mm	35.9 mm	40 mm	4	48	8.7 kg
13114	1-1/8 in	37.9 mm	37.9 mm	42 mm	4	48	9.9 kg
13115	1-1/4 in	41.9 mm	41.9 mm	42 mm	2	24	6 kg



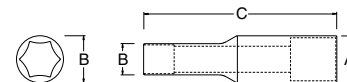
ANSI B107.1

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/2" Drive 6 Point SAE Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13201	3/8 in	22 mm	14.5 mm	77 mm	6	72	7.5 kg
13202	7/16 in	22 mm	17 mm	77 mm	6	72	8.2 kg
13203	1/2 in	22 mm	18.6 mm	77 mm	6	72	8.6 kg
13204	9/16 in	22 mm	20.6 mm	77 mm	6	72	8.9 kg
13205	5/8 in	22 mm	22 mm	77 mm	6	72	8.9 kg
13206	11/16 in	23.7 mm	23.7 mm	77 mm	6	72	10.5 kg
13207	3/4 in	25.8 mm	25.8 mm	77 mm	6	72	12.4 kg
13208	13/16 in	27.8 mm	27.8 mm	77 mm	4	48	10.1 kg
13209	7/8 in	29.8 mm	29.8 mm	77 mm	4	48	11.3 kg
13210	15/16 in	31.8 mm	31.8 mm	77 mm	4	48	12.2 kg
13211	1 in	33.8 mm	33.8 mm	77 mm	4	48	14.7 kg
13212	1-1/16 in	35.8 mm	35.8 mm	77 mm	4	48	17 kg
13213	1-1/8 in	37.8 mm	37.8 mm	77 mm	4	48	18.6 kg
13214	1-1/4 in	41.8 mm	41.8 mm	77 mm	2	24	10.3 kg



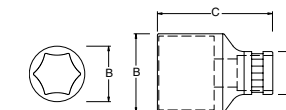
ANSI B107.1

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

1/2" Drive 6 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13319	8 mm	22.2 mm	13.3 mm	38 mm	6	84	4.9 kg
13320	9 mm	22.2 mm	14.3 mm	38 mm	6	84	4.9 kg
13301	10 mm	22.2 mm	15.3 mm	38 mm	6	84	4.9 kg
13302	11 mm	22.2 mm	16.5 mm	38 mm	6	84	4.9 kg
13303	12 mm	22.2 mm	17.8 mm	38 mm	6	84	5.2 kg
13304	13 mm	22.2 mm	19 mm	38 mm	6	84	5.2 kg
13305	14 mm	22.2 mm	20.3 mm	38 mm	6	84	5.4 kg
13306	15 mm	22.2 mm	22.2 mm	38 mm	6	84	5.7 kg
13307	16 mm	22.2 mm	22.2 mm	38 mm	6	84	5.7 kg
13308	17 mm	23.9 mm	23.9 mm	38 mm	6	72	5.8 kg
13309	18 mm	24.9 mm	24.9 mm	38 mm	6	72	6.1 kg
13310	19 mm	25.9 mm	25.9 mm	38 mm	6	72	6.1 kg
13311	20 mm	27.8 mm	27.8 mm	38 mm	4	48	5.2 kg
13312	21 mm	27.9 mm	27.9 mm	38 mm	4	48	5.9 kg
13313	22 mm	29.9 mm	29.9 mm	38 mm	4	48	5.9 kg
13314	23 mm	31.9 mm	31.9 mm	38 mm	4	48	6.5 kg
13315	24 mm	31.9 mm	31.9 mm	38 mm	4	48	6.5 kg
13326	26 mm	33.9 mm	33.9 mm	40 mm	4	48	7.6 kg
13316	27 mm	35.9 mm	35.9 mm	40 mm	4	48	8.7 kg
13324	28 mm	37.6 mm	37.6 mm	40 mm	4	48	9.0 mm
13317	30 mm	39.9 mm	39.9 mm	42 mm	2	24	5.2 kg
13318	32 mm	41.9 mm	41.9 mm	42 mm	2	24	6.1 kg
13321	34 mm	43.9 mm	43.9 mm	43 mm	2	24	7.6 kg



ANSI B107.5M  
DIN 3124

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



1/2" Drive 6 Point Metric Deep Sockets

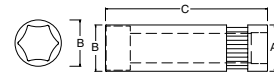
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13401	10 mm	22 mm	15.3 mm	77 mm	6	72	7.5 kg
13402	11 mm	22 mm	16.5 mm	77 mm	6	72	8.2 kg
13403	12 mm	22 mm	17.8 mm	77 mm	6	72	8.6 kg
13404	13 mm	22 mm	19 mm	77 mm	6	72	8.6 kg
13405	14 mm	22 mm	20.3 mm	77 mm	6	72	8.9 kg
13406	15 mm	22 mm	21.4 mm	77 mm	6	72	8.9 kg
13407	16 mm	22 mm	22 mm	77 mm	6	72	8.9 kg
13408	17 mm	23.8 mm	23.8 mm	77 mm	6	72	10.5 kg
13409	18 mm	24.8 mm	24.8 mm	77 mm	6	72	12.4 kg
13410	19 mm	25.8 mm	25.8 mm	77 mm	6	72	12.4 kg
13411	20 mm	27.8 mm	27.8 mm	77 mm	4	48	10.1 kg
13412	21 mm	27.8 mm	27.8 mm	77 mm	4	48	10.1 kg
13413	22 mm	29.8 mm	29.8 mm	77 mm	4	48	11.3 kg
13414	24 mm	31.8 mm	31.8 mm	77 mm	4	48	12.2 kg
13415	27 mm	35.8 mm	35.8 mm	77 mm	4	48	17 kg
13416	30 mm	39.8 mm	39.8 mm	77 mm	2	24	9.5 kg
13417	32 mm	41.8 mm	41.8 mm	77 mm	2	24	10.3 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



ANSI B107.5M  
DIN 3124



1/2" Drive 12 Point SAE Standard Length Sockets

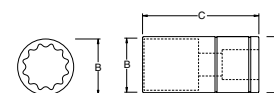
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13501	5/16 in	22.2 mm	12.5 mm	37.8 mm	6	84	4.9 kg
13502	3/8 in	22.2 mm	14.5 mm	37.8 mm	6	84	4.9 kg
13503	7/16 in	22.2 mm	17 mm	37.8 mm	6	84	5.2 kg
13504	1/2 in	22.2 mm	18.6 mm	37.8 mm	6	84	5.2 kg
13505	9/16 in	22.2 mm	20.6 mm	37.8 mm	6	84	5.4 kg
13506	5/8 in	22.2 mm	22.2 mm	37.8 mm	6	84	5.7 kg
13507	11/16 in	23.8 mm	23.8 mm	37.8 mm	6	72	5.8 kg
13508	3/4 in	25.9 mm	25.9 mm	37.8 mm	6	72	6.1 kg
13509	13/16 in	27.9 mm	27.9 mm	37.8 mm	4	48	5.2 kg
13510	7/8 in	29.9 mm	29.9 mm	37.8 mm	4	48	5.9 kg
13511	15/16 in	31.9 mm	31.9 mm	37.8 mm	4	48	6.5 kg
13512	1 in	33.9 mm	33.9 mm	40 mm	4	48	7.7 kg
13513	1-1/16 in	35.9 mm	35.9 mm	40 mm	4	48	8.7 kg
13514	1-1/8 in	37.9 mm	37.9 mm	42 mm	4	48	9.9 kg
13515	1-1/4 in	41.9 mm	41.9 mm	42 mm	2	24	6.1 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



ANSI B107.1



1/2" Drive 12 Point Metric Standard Length Sockets

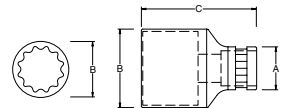
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13619	8 mm	22.2 mm	13.3 mm	38 mm	6	84	4.9 kg
13620	9 mm	22.2 mm	14.3 mm	38 mm	6	84	4.9 kg
13601	10 mm	22.2 mm	15.3 mm	38 mm	6	84	4.9 kg
13602	11 mm	22.2 mm	16.5 mm	38 mm	6	84	5.2 kg
13603	12 mm	22.2 mm	17.8 mm	38 mm	6	84	5.2 kg
13604	13 mm	22.2 mm	19 mm	38 mm	6	84	5.2 kg
13605	14 mm	22.2 mm	20.3 mm	38 mm	6	84	5.4 kg
13606	15 mm	22.2 mm	22.2 mm	38 mm	6	84	5.8 kg
13607	16 mm	22.2 mm	22.2 mm	38 mm	6	84	5.8 kg
13608	17 mm	23.9 mm	23.9 mm	38 mm	6	72	5.8 kg
13609	18 mm	24.9 mm	24.9 mm	38 mm	6	72	6.1 kg
13610	19 mm	25.9 mm	25.9 mm	38 mm	6	72	6.1 kg
13611	20 mm	27.8 mm	27.8 mm	38 mm	4	48	5.2 kg
13612	21 mm	27.8 mm	27.8 mm	38 mm	4	48	5.9 kg
13613	22 mm	29.9 mm	29.9 mm	38 mm	4	48	5.9 kg
13614	23 mm	31.9 mm	31.9 mm	38 mm	4	48	6.5 kg
13615	24 mm	31.9 mm	31.9 mm	38 mm	4	48	6.5 kg
13616	27 mm	35.9 mm	35.9 mm	40 mm	4	48	8.7 kg
13617	30 mm	39.9 mm	39.9 mm	42 mm	2	24	5.2 kg
13618	32 mm	41.9 mm	41.9 mm	42 mm	2	24	6.1 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



ANSI B107.5M  
DIN 3124



1/2" Drive 12 Point Metric Deep Sockets

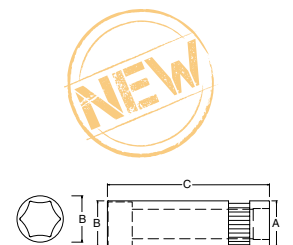
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13810	10 mm	22 mm	15.3 mm	77 mm	6	84	4.9 kg
13812	12 mm	22 mm	17.8 mm	77 mm	6	84	4.9 kg
13813	13 mm	22 mm	19 mm	77 mm	6	84	4.9 kg
13814	14 mm	22 mm	20.3 mm	77 mm	6	84	5.2 kg
13816	16 mm	22 mm	22 mm	77 mm	6	84	5.2 kg
13817	17 mm	23.8 mm	23.8 mm	77 mm	6	84	5.2 kg
13818	18 mm	24.8 mm	24.8 mm	77 mm	6	84	5.2 kg
13819	19 mm	25.8 mm	25.8 mm	77 mm	6	84	5.4 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



ANSI B107.5M  
DIN 3124

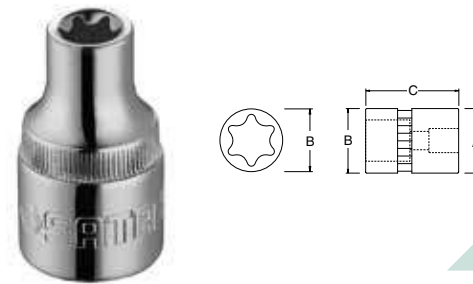


### 1/2" Drive External Torx® Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
13701	E10	22 mm	13 mm	38 mm	6	84	5.2 kg
13702	E12	22 mm	15 mm	38 mm	6	84	5.4 kg
13703	E14	22 mm	17 mm	38 mm	6	84	5.7 kg
13704	E16	22 mm	19 mm	38 mm	6	84	5.7 kg
13705	E18	23.8 mm	21 mm	38 mm	6	72	6.1 kg
13706	E18	25.8 mm	23.5 mm	38 mm	4	48	5.9 kg
13707	E22	25.8 mm	25.8 mm	38 mm	4	48	6.5 kg
13708	E24	27.8 mm	27.8 mm	40 mm	4	48	6.5 kg

- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

**⚠** These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 1/2" Drive Quick-Release Ratchet

Cat. No.	Overall Length			G.W.
13971	250 mm	4	24	12.8 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/2" Drive Quick-Release Ratchet

Cat. No.	Overall Length			G.W.
13972	250 mm	4	24	14.8 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/2" Drive Quick-Release Round Head Ratchet

Cat. No.	Overall Length			G.W.
13901	244 mm	4	24	15.8 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

### 1/2" Drive Quick-Release Stubby Teardrop Ratchet

Cat. No.	Overall Length			G.W.
13960	140 mm	6	24	10.4 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/2" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet

Cat. No.	Overall Length			G.W.
13970	261 mm	4	24	14.8 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Convenient single hand direction change switch
- Quick-release capability to easily eject an engaged socket even under slippery conditions

### 1/2" Drive Locking Extensions

Cat. No.	Size	Overall Length			G.W.
13906	3 in	75 mm	4	120	26.7 kg
13907	5 in	125 mm	4	24	6.6 kg
13908	10 in	250 mm	4	24	12.9 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

**⚠** These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive T-handle

Cat. No.	Overall Length			G.W.
13910	250 mm	4	24	11.7 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

**⚠** These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Wobble Extensions

Cat. No.	Size	Overall Length			G.W.
13904	5 in	125 mm	4	24	6.2 kg
13905	10 in	250 mm	4	24	11.3 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

### 1/2" Drive Flex Handle / Breaker Bar

Cat. No.	Overall Length			G.W.
13909	250 mm	4	24	14.7 kg
13911	375 mm	4	16	19.4 kg
13951	432 mm	4	24	22.9 kg
13952	610 mm	4	24	27.2 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Direction change function

**⚠** These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 1/2" Drive Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
13912	1/2"	1/2"	68.2 mm	4	48	8.3 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Adapters

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
13913	1/2"	3/8"	35.1 mm	4	56	9.2 kg
13950	1/2"	3/4"	35.1 mm	4	120	15.4 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Bits Adapter

Cat. No.	Size			G.W.
13914	5/16 in	6	72	8.1 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Metric Spark Plug Sockets

Cat. No.	Fastener Size			G.W.
13915	16 mm	4	72	10.5 kg
13916	21 mm	4	80	18.6 kg

ANSI B107.34M



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive SAE Spark Plug Sockets

Cat. No.	Fastener Size			G.W.
13917	5/8 in	4	48	7.1 kg
13918	13/16 in	4	48	11.3 kg

ANSI B107.34M



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Offset Handle

Cat. No.	Overall Length			G.W.
13919	260 mm	4	24	11.5 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

### 1/2" Drive 3-Way Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
13930	1/2"	3/8"	43.6 mm	4	56	6.4 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 1/2" Drive Speeder Handle



Cat. No.	Overall Length			G.W.
17001	410 mm	6	12	15.4 kg

ANSI B107.10M  
DIN 3122

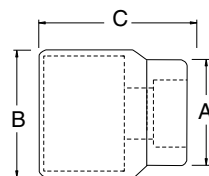


- Made of Chrome Vanadium steel


### 3/4" Drive 12 Point SAE Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
16501	3/4 in	36 mm	29.5 mm	49.5 mm	10	60	13.6 kg
16502	13/16 in	36 mm	31.5 mm	49.5 mm	10	60	13.6 kg
16503	7/8 in	36 mm	32.5 mm	49.5 mm	10	60	13.6 kg
16504	15/16 in	36 mm	34.5 mm	49.5 mm	10	60	13.6 kg
16505	1 in	36.2 mm	35 mm	50 mm	10	60	13.6 kg
16506	1-1/16 in	36 mm	38.2 mm	52 mm	10	60	13.6 kg
16507	1-1/8 in	36 mm	39.2 mm	52 mm	8	48	12.5 kg
16508	1-3/16 in	38 mm	42.2 mm	54 mm	8	48	13.5 kg
16509	1-1/4 in	38 mm	44.2 mm	56 mm	6	36	11.8 kg
16510	1-5/16 in	38 mm	46.2 mm	56 mm	6	36	12.9 kg
16511	1-3/8 in	42 mm	48.2 mm	56 mm	6	36	14 kg
16512	1-7/16 in	42 mm	50.2 mm	58 mm	6	36	15.4 kg
16513	1-1/2 in	45 mm	52.2 mm	60 mm	4	24	12 kg
16520	1-9/16 in	45 mm	53.5 mm	60 mm	4	24	13.1 kg
16514	1-5/8 in	45 mm	56 mm	64 mm	4	24	14.2 kg
16515	1-11/16 in	48 mm	57 mm	64 mm	4	24	15 kg
16516	1-3/4 in	48 mm	60.5 mm	66 mm	4	16	10.6 kg
16517	1-13/16 in	48 mm	62 mm	68 mm	4	16	9.7 kg
16518	1-7/8 in	48 mm	63.5 mm	70 mm	2	12	9.7 kg
16519	2 in	48 mm	68 mm	72 mm	2	12	10.3 kg
16521	2-1/16 in	48 mm	70.5 mm	74 mm	2	8	7.5 kg
16522	2-1/8 in	48 mm	72 mm	74 mm	2	8	8.1 kg
16523	2-1/4 in	48 mm	76 mm	76 mm	2	8	8.7 kg



ANSI B1075M  
DIN 3124



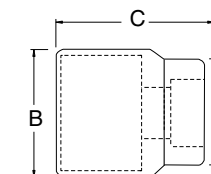
- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

 These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive 12 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
16602	19 mm	36 mm	28.5 mm	47.5 mm	10	60	13.8 kg
16603	21 mm	36 mm	31.5 mm	49.5 mm	10	60	13.8 kg
16604	22 mm	36 mm	32.5 mm	49.5 mm	10	60	13.8 kg
16605	23 mm	36 mm	33.5 mm	49.5 mm	10	60	13.8 kg
16606	24 mm	36 mm	34.5 mm	49.5 mm	10	60	13.8 kg
16607	25 mm	36.2 mm	35 mm	50 mm	10	60	13.8 kg
16608	26 mm	36 mm	37.2 mm	50 mm	10	60	13.8 kg
16609	27 mm	36 mm	38.2 mm	52 mm	10	60	13.8 kg
16610	28 mm	36 mm	39.2 mm	52 mm	8	48	12 kg
16611	29 mm	38 mm	40.2 mm	52 mm	8	48	12.5 kg
16612	30 mm	38 mm	42.2 mm	54 mm	8	48	13.5 kg
16613	32 mm	38 mm	44.2 mm	56 mm	6	36	11.1 kg
16614	33 mm	38 mm	46.2 mm	56 mm	6	36	12.2 kg
16615	34 mm	38 mm	47.2 mm	56 mm	6	36	12.9 kg
16616	35 mm	42 mm	48.2 mm	56 mm	6	36	14 kg
16617	36 mm	42 mm	50.2 mm	58 mm	6	36	15.4 kg
16618	38 mm	45 mm	52.2 mm	60 mm	4	24	12 kg
16619	41 mm	45 mm	56 mm	64 mm	4	24	14.2 kg
16620	46 mm	48 mm	62 mm	68 mm	4	16	11.3 kg
16622	50 mm	48 mm	68 mm	72 mm	2	12	10.3 kg
16623	55 mm	48 mm	74 mm	76 mm	2	12	12.6 kg
16624	60 mm	48 mm	80 mm	78 mm	2	12	13.2 kg

ANSI B1075M  
DIN 3124



- Made of Chrome Vanadium steel
- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage.
- Manufactured to industrial specifications assuring a thin wall design with precise nut end dimensions
- Specifically heat treated for the correct balance of strength and durability

 These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.



### 3/4" Drive Quick-Release Teardrop Ratchet

Cat. No.	Overall Length			G.W.
16901	500 mm	1	8	20.4 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

### 3/4" Drive Standard Extension Bar

Cat. No.	Size	Overall Length			G.W.
16902	4 in	100 mm	6	36	15.6 kg
16903	8 in	200 mm	3	18	13.8 kg
16904	16 in	400 mm	2	12	9.3 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel
- Direction change function
- Push in for standard extension bar

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive T-handle

Cat. No.	Overall Length			G.W.
16905	450 mm	1	24	35.6 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive Flex Handle / Breaker Bar

Cat. No.	Overall Length			G.W.
16906	450 mm	1	9	17.9 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel
- Direction change function

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
16907	3/4"	3/4"	75.2 mm	3	18	11.6 kg

ANSI B107.10M  
DIN 3123



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
16908	3/4"	1/2"	35.1 mm	6	36	8.4 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

These sockets accessories should never be used on power drivers, pneumatic impact wrench and/or extenders.

### 3/4" Drive Offset Handle

Cat. No.	Overall Length			G.W.
16919	380 mm	4	24	25.6 kg

ANSI B107.10M  
DIN 3122



- Made of Chrome Vanadium steel

### 1/4" Drive Torx® Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
21101	T8	12 mm	36.5 mm	12	144	3.6 kg
21102	T10	12 mm	36.5 mm	12	144	3.6 kg
21103	T15	12 mm	36.5 mm	12	144	3.6 kg
21104	T20	12 mm	36.5 mm	12	144	3.6 kg
21105	T25	12 mm	36.5 mm	12	144	3.6 kg
21108	T27	12 mm	36.5 mm	12	144	3.6 kg
21106	T30	12 mm	36.5 mm	12	144	3.6 kg
21107	T40	12 mm	36.5 mm	12	144	3.6 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/4" Drive Metric Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
21201	3 mm	12 mm	36.5 mm	12	396	8.7 kg
21202	4 mm	12 mm	36.5 mm	12	396	9.2 kg
21203	5 mm	12 mm	36.5 mm	12	396	9.2 kg
21204	6 mm	12 mm	36.5 mm	12	396	9.8 kg
21206	7 mm	12 mm	36.5 mm	12	396	10.3 kg
21205	8 mm	12 mm	36.5 mm	12	396	10.3 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

1/4" Drive Phillips Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
21301	#1	12 mm	36.5 mm	12	396	8.7 kg
21302	#2	12 mm	36.5 mm	12	396	9.2 kg
21303	#3	12 mm	36.5 mm	12	396	9.2 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

1/4" Drive Pozidriv Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
21401	#1	12 mm	36.5 mm	12	396	8.7 kg
21402	#2	12 mm	36.5 mm	12	396	9.2 kg
21403	#3	12 mm	36.5 mm	12	396	9.2 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

1/4" Drive Slotted Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
21501	4 mm	12 mm	36.5 mm	12	396	9.2 kg
21502	5.5 mm	12 mm	36.5 mm	12	396	9.2 kg
21503	6.5 mm	12 mm	36.5 mm	12	396	9.2 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

3/8" Drive Torx® Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22101	T10	18 mm	48 mm	6	198	9.2 kg
22102	T15	18 mm	48 mm	6	198	8.9 kg
22103	T20	18 mm	48 mm	6	198	9.2 kg
22104	T25	18 mm	48 mm	6	198	9.2 kg
22105	T27	18 mm	48 mm	6	198	9.2 kg
22106	T30	18 mm	48 mm	6	198	9.2 kg
22107	T40	18 mm	48 mm	6	198	9.5 kg
22108	T45	18 mm	48 mm	6	198	10 kg
22109	T50	18 mm	48 mm	6	198	10.6 kg
22110	T55	18 mm	48 mm	6	198	11.4 kg
22111	T60	18 mm	48 mm	6	198	11.7 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

3/8" Drive Metric Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22201	3 mm	18 mm	48 mm	6	198	8.9 kg
22202	4 mm	18 mm	48 mm	6	198	9.2 kg
22203	5 mm	18 mm	48 mm	6	198	9.2 kg
22204	6 mm	18 mm	48 mm	6	198	9.2 kg
22205	7 mm	18 mm	48 mm	6	198	9.8 kg
22206	8 mm	18 mm	48 mm	6	198	10.9 kg
22207	10 mm	18 mm	48 mm	6	198	12 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

3/8" Drive Phillips Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22301	#1	18 mm	48 mm	6	198	9.2 kg
22302	#2	18 mm	48 mm	6	198	9.2 kg
22303	#3	18 mm	48 mm	6	198	9.5 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

3/8" Drive Pozidriv Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22401	#1	18 mm	48 mm	6	198	9.2 kg
22402	#2	18 mm	48 mm	6	198	9.5 kg
22403	#3	18 mm	48 mm	6	198	9.2 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

3/8" Drive Slotted Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22504	4 mm	18 mm	48 mm	6	198	9.2 kg
22501	5.5 mm	18 mm	48 mm	6	198	9.2 kg
22502	6.5 mm	18 mm	48 mm	6	198	9.2 kg
22503	8 mm	18 mm	48 mm	6	198	9.8 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### 3/8" Drive Torx® Tamper Proof Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
22601	T45	18 mm	48 mm	6	198	9.2 kg
22602	T50	18 mm	48 mm	6	198	9.2 kg
22603	T55	18 mm	48 mm	6	198	9.6 kg
22604	T60	18 mm	48 mm	6	198	11.4 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Torx® Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
24101	T20	24 mm	75 mm	6	180	14.1 kg
24102	T25	24 mm	75 mm	6	180	14.3 kg
24103	T27	24 mm	75 mm	6	180	14.6 kg
24104	T30	24 mm	75 mm	6	180	15 kg
24105	T40	24 mm	75 mm	6	180	15.3 kg
24106	T45	24 mm	75 mm	6	180	16.4 kg
24107	T50	24 mm	75 mm	6	180	16.4 kg
24108	T55	24 mm	75 mm	6	180	17.1 kg
24109	T60	24 mm	75 mm	6	180	22.2 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Triple Square Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
24801	M5	24 mm	75 mm	6	180	14.3 kg
24802	M6	24 mm	75 mm	6	180	14.5 kg
24803	M8	24 mm	75 mm	6	180	14.9 kg
24804	M10	24 mm	75 mm	6	180	16.8 kg
24805	M12	24 mm	75 mm	6	180	21.8 kg
24806	M14	24 mm	75 mm	6	180	22.2 kg
24807	M16	24 mm	75 mm	6	180	23.6 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Long Torx® Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
25101	T20	24 mm	125 mm	6	72	7.3 kg
25102	T25	24 mm	125 mm	6	72	7.4 kg
25103	T27	24 mm	125 mm	6	72	7.5 kg
25104	T30	24 mm	125 mm	6	72	7.7 kg
25105	T40	24 mm	125 mm	6	72	7.8 kg
25106	T45	24 mm	125 mm	6	72	7.9 kg
25107	T50	24 mm	125 mm	6	72	8 kg
25108	T55	24 mm	125 mm	6	72	9 kg
25109	T60	24 mm	125 mm	6	72	13.3 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Metric Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
24201	4 mm	24 mm	75 mm	6	180	14.3 kg
24202	5 mm	24 mm	75 mm	6	180	14.6 kg
24203	6 mm	24 mm	75 mm	6	180	15.3 kg
24204	7 mm	24 mm	75 mm	6	180	16.1 kg
24205	8 mm	24 mm	75 mm	6	180	16.2 kg
24206	10 mm	24 mm	75 mm	6	180	17.3 kg
24207	12 mm	24 mm	75 mm	6	180	22.9 kg
24208	14 mm	24 mm	75 mm	6	180	23.8 kg
24209	17 mm	24 mm	75 mm	6	180	25.6 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive SAE Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
24401	1/4 in	24 mm	55 mm	6	180	16.1 kg
24402	5/16 in	24 mm	55 mm	6	180	16.2 kg
24403	3/8 in	24 mm	55 mm	6	180	17.3 kg
24404	7/26 in	24 mm	55 mm	6	180	20.4 kg
24405	1/2 in	24 mm	55 mm	6	180	22.9 kg
24406	9/16 in	24 mm	55 mm	6	180	23.8 kg
24407	5/8 in	24 mm	55 mm	6	180	25.6 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Metric Long Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
25201	4 mm	24 mm	125 mm	6	72	7.6 kg
25202	5 mm	24 mm	125 mm	6	72	7.6 kg
25203	6 mm	24 mm	125 mm	6	72	7.5 kg
25204	7 mm	24 mm	125 mm	6	72	7.8 kg
25205	8 mm	24 mm	125 mm	6	72	8 kg
25206	10 mm	24 mm	125 mm	6	72	9.5 kg
25207	12 mm	24 mm	125 mm	6	72	13.4 kg
25208	14 mm	24 mm	125 mm	6	72	14 kg
25209	17 mm	24 mm	125 mm	6	72	16.7 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 1/2" Drive Long Triple Square Bit Sockets

Cat. No.	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length			G.W.
25801	M5	24 mm	125 mm	6	72	7.2 kg
25802	M6	24 mm	125 mm	6	72	7.4 kg
25803	M8	24 mm	125 mm	6	72	7.7 kg
25804	M10	24 mm	125 mm	6	72	8.8 kg
25805	M12	24 mm	125 mm	6	72	13.3 kg
25806	M14	24 mm	125 mm	6	72	13.4 kg
25807	M16	24 mm	125 mm	6	72	16.1 kg



- Professional, S2 material, Full Polish Chrome
- Heat Treated Socket Bases for Durability and Serviceability

These bit sockets should never be used on power drivers, pneumatic impact wrench and/or extenders. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

# Impact Socket



# Impact Socket

For use with impact drivers.

Black finishing treatment for better corrosion protection.



Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance.



Eye protection must always be worn when using impact tool.



# Impact Socket



## 12 Pc. 1/2" Drive 6 Point SAE Impact Socket Set

Cat. No.			G.W.
09008	0	12	26.8 kg

### CONTENTS:

- 10 - 6pt. S.A.E. Sockets  
7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"
- 1 - Impact Universal Joint
- 1 - Impact Extension Bar 5"



## 12 Pc. 1/2" Drive 6 Point Metric Impact Socket Set

Cat. No.			G.W.
09009	0	8	17.8 kg

### CONTENTS:

- 10 - 6pt. Metric Sockets  
10, 11, 13, 14, 17, 19, 21, 22, 23, 24mm
- 1 - Impact Universal Joint
- 1 - Impact Extension Bar 5"



## 1/4" Drive Impact Drive Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34714	1/4"	3/8"	26.5 mm	20	300	5.2 kg

ANSI B107.2  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

## 3/8" Drive 6 Point Metric Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34201	6 mm	62 mm	6	84	3.9 kg
34202	7 mm	28 mm	6	84	3.9 kg
34203	8 mm	28 mm	6	84	3.9 kg
34204	9 mm	28 mm	6	84	3.9 kg
34205	10 mm	28 mm	6	84	3.9 kg
34206	11 mm	28 mm	6	84	3.9 kg
34207	12 mm	28 mm	6	84	3.9 kg
34208	13 mm	30 mm	6	84	4 kg
34209	14 mm	30 mm	6	84	4.7 kg
34210	15 mm	30 mm	6	72	5.1 kg
34211	16 mm	30 mm	6	72	6 kg
34212	17 mm	30 mm	6	72	6.5 kg
34213	18 mm	30 mm	6	60	6 kg
34214	19 mm	30 mm	6	60	6.3 kg

ANSI B107.2  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection



### 3/8" Drive Impact Extensions

Cat. No.	Size	Overall Length			G.W.
34701	3 in	75 mm	12	180	15 kg
34702	6 in	150 mm	6	60	9.7 kg

ANSI B107.2



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/8" Drive Impact Drive Adapter

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34715	3/8"	1/2"	36 mm	20	200	12.3 kg

ANSI B107.2  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/8" Drive Impact Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
32902	3/8"	3/8"	53 mm	6	72	6.4 kg

ANSI B107.2



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive 6 Point SAE Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
33101	7/16 in	38 mm	6	72	7 kg
33102	1/2 in	38 mm	6	72	7.8 kg
33103	9/16 in	38 mm	6	72	7.9 kg
33104	5/8 in	38 mm	6	72	7.9 kg
33105	11/16 in	38 mm	6	72	9.8 kg
33106	3/4 in	41 mm	4	48	8.4 kg
33107	13/16 in	41 mm	4	48	9.6 kg
33108	7/8 in	41 mm	4	48	10.4 kg
33109	15/16 in	41 mm	4	48	11.7 kg
33110	1 in	41 mm	4	48	12.8 kg

ANSI B107.2



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive 6 Point Metric Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34303	10 mm	38 mm	6	72	7.7 kg
34304	11 mm	38 mm	6	72	7.8 kg
34305	12 mm	38 mm	6	72	7.8 kg
34306	13 mm	38 mm	6	72	7.9 kg
34307	14 mm	38 mm	6	72	7.9 kg
34308	15 mm	38 mm	6	72	7.9 kg
34309	16 mm	38 mm	6	72	7.9 kg
34310	17 mm	38 mm	6	72	8.2 kg
34311	18 mm	38 mm	4	48	8.5 kg
34312	19 mm	41 mm	4	48	8.7 kg
34314	21 mm	41 mm	4	48	9.2 kg
34315	22 mm	41 mm	4	48	10 kg
34316	23 mm	41 mm	4	48	10 kg
34317	24 mm	41 mm	4	48	10.2 kg
34320	27 mm	41 mm	4	48	10.2 kg
34322	29 mm	41 mm	2	24	5.5 kg
34323	30 mm	41 mm	2	24	5.7 kg
34325	32 mm	41 mm	2	24	6.1 kg

ANSI B107.2  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive 6 Point Metric Deep Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34403	10 mm	82 mm	6	72	13.7 kg
34404	11 mm	82 mm	6	72	13.8 kg
34405	12 mm	82 mm	6	72	13.8 kg
34406	13 mm	82 mm	6	72	14.1 kg
34407	14 mm	82 mm	6	72	14.1 kg
34408	15 mm	82 mm	6	72	14.2 kg
34409	16 mm	82 mm	6	72	14.2 kg
34410	17 mm	82 mm	6	72	14.8 kg
34411	18 mm	82 mm	6	48	11.9 kg
34412	19 mm	82 mm	4	48	12.4 kg
34414	21 mm	82 mm	4	48	13 kg
34415	22 mm	82 mm	4	48	14.8 kg
34417	24 mm	82 mm	4	48	16.7 kg
34419	26 mm	82 mm	4	48	17.2 kg
34420	27 mm	82 mm	4	48	18.2 kg
34422	29 mm	82 mm	2	24	10.3 kg
34423	30 mm	82 mm	2	24	11.2 kg
34425	32 mm	82 mm	2	24	11.5 kg

ANSI B107.2  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive 6 Point Metric Thin Wall Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34303T	10 mm	38 mm	6	72	4.3 kg
34304T	11 mm	38 mm	6	72	4.2 kg
34305T	12 mm	38 mm	6	72	4.4 kg
34306T	13 mm	38 mm	6	72	5.4 kg
34307T	14 mm	38 mm	6	72	5.3 kg
34308T	15 mm	38 mm	6	72	5.4 kg
34309T	16 mm	38 mm	6	72	5.6 kg
34310T	17 mm	38 mm	6	72	5.6 kg
34311T	18 mm	38 mm	6	48	4.2 kg
34312T	19 mm	41 mm	4	48	5.0 mm
34314T	21 mm	41 mm	4	48	5.8 kg
34315T	22 mm	41 mm	4	48	6.6 kg
34316T	23 mm	41 mm	4	48	7.2 kg
34317T	24 mm	41 mm	4	48	7.8 kg
34320T	27 mm	41 mm	4	48	8.9 kg

ANSI B1072  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Manganese phosphate treatment for better corrosion protection
- Specifically designed for light clearance applications
- Thin wall sockets are lightweight
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces
- Often used in application where fasteners are close together, such as tire service

Eye protection must always be worn when using impact tool

### 1/2" Drive 6 Point Metric Thin Wall Deep Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34403T	10 mm	82 mm	6	72	7.2 kg
34404T	11 mm	82 mm	6	72	7.3 kg
34405T	12 mm	82 mm	6	72	8.0 kg
34406T	13 mm	82 mm	6	72	9.5 kg
34407T	14 mm	82 mm	6	72	10.0 kg
34408T	15 mm	82 mm	6	72	10.9 kg
34409T	16 mm	82 mm	6	72	12.1 kg
34410T	17 mm	82 mm	6	72	12.9 kg
34411T	18 mm	82 mm	6	48	14.4 kg
34412T	19 mm	82 mm	4	48	10.5 kg
34414T	21 mm	82 mm	4	48	11.6 kg
34415T	22 mm	82 mm	4	48	13.6 kg
34417T	24 mm	82 mm	4	48	15.6 kg
34419T	26 mm	82 mm	4	48	19.3 kg
34420T	27 mm	82 mm	4	48	20.5 kg



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Manganese phosphate treatment for better corrosion protection
- Specifically designed for light clearance applications
- Thin wall sockets are lightweight
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces
- Often used in application where fasteners are close together, such as tire service

Eye protection must always be worn when using impact tool

### 1/2" Drive Impact Extensions

Cat. No.	Size	Overall Length			G.W.
33911	3 in	75 mm	4	48	13.2 kg
34703	5 in	125 mm	6	72	16.9 kg
34704	6 in	150 mm	6	72	19.9 kg
34705	10 in	250 mm	6	36	16.9 kg
34706	12 in	300 mm	6	30	16.4 kg

ANSI B1072



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive Impact Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34719	1/2"	1/2"	64.5 mm	6	90	14 kg

ANSI B1072



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1/2" Drive Impact Drive Adapters

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34716	1/2"	3/8"	38 mm	20	200	12.3 kg
34717	1/2"	3/4"	45 mm	6	60	16 kg

ANSI B1072  
DIN 3129





- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection





### 3/4" Drive 6 Point Metric Impact Sockets



Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34505	17 mm	50 mm	6	72	15 kg
34506	18 mm	50 mm	6	72	16.5 kg
34507	19 mm	50 mm	6	72	17.5 kg
34508	20 mm	50 mm	6	72	18 kg
34509	21 mm	50 mm	6	72	18.2 kg
34510	22 mm	50 mm	6	72	19 kg
34511	23 mm	50 mm	6	54	18.5 kg
34512	24 mm	50 mm	6	54	19 kg
34513	25 mm	50 mm	6	54	17.5 kg
34514	26 mm	50 mm	6	54	18.6 kg
34515	27 mm	53 mm	6	36	11 kg
34516	28 mm	53 mm	6	36	12 kg
34517	29 mm	53 mm	6	36	15.7 kg
34518	30 mm	53 mm	6	36	16 kg
34519	31 mm	53 mm	6	36	16 kg
34520	32 mm	56 mm	6	36	16 kg
34521	33 mm	56 mm	6	36	17 kg
34522	34 mm	56 mm	6	36	17 kg
34523	35 mm	56 mm	6	36	17.5 kg
34524	36 mm	56 mm	6	36	19 kg
34525	37 mm	57 mm	6	36	20 kg
34526	38 mm	57 mm	6	36	20 kg
34527	39 mm	57 mm	6	36	22 kg
34528	40 mm	57 mm	6	36	18.1 kg
34529	41 mm	57 mm	6	36	19 kg

ANSI B1072  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/4" Drive 6 Point Metric Deep Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34605	17 mm	90 mm	1	32	19.5 kg
34606	18 mm	90 mm	1	32	20 kg
34607	19 mm	90 mm	1	32	20 kg
34608	20 mm	90 mm	1	20	12 kg
34609	21 mm	90 mm	1	20	12.9 kg
34610	22 mm	90 mm	1	20	13.2 kg
34611	23 mm	90 mm	1	20	13.4 kg
34612	24 mm	90 mm	1	20	13.6 kg
34613	25 mm	90 mm	1	20	13.6 kg
34614	26 mm	90 mm	1	20	13.8 kg
34615	27 mm	90 mm	1	20	14 kg
34616	28 mm	90 mm	1	20	14 kg
34617	29 mm	90 mm	1	20	14.4 kg
34618	30 mm	90 mm	1	20	14.7 kg
34619	31 mm	90 mm	1	20	16 kg
34620	32 mm	90 mm	1	20	17 kg
34621	33 mm	90 mm	1	20	17.3 kg
34622	34 mm	90 mm	1	20	17.6 kg
34623	35 mm	90 mm	1	20	18 kg
34624	36 mm	90 mm	1	20	18.8 kg
34625	37 mm	90 mm	1	20	19 kg
34626	38 mm	90 mm	1	20	19.3 kg
34628	40 mm	90 mm	1	18	18 kg
34629	41 mm	90 mm	1	18	18.6 kg

ANSI B1072  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/4" Drive Impact Extensions

Cat. No.	Size	Overall Length			G.W.
34708	4 in	100 mm	3	18	9 kg
34712	10 in	250 mm	1	10	14 kg

ANSI B1072



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/4" Drive Impact Drive Adapters

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34718	3/4"	1/2"	56 mm	12	72	19 kg
34721	3/4"	1"	64 mm	4	24	12 kg

ANSI B1072  
DIN 3129



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 3/4" Drive Impact Universal Joint

Cat. No.	Female Drive Size	Male Drive Size	Overall Length			G.W.
34720	3/4"	3/4"	88.5 mm	6	24	17.3 kg

ANSI B1072



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

### 1" Drive 6 Point Metric Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34824	36 mm	66 mm	4	24	19 kg
34825	37 mm	66 mm	4	24	19.1 kg
34826	38 mm	66 mm	4	24	19.7 kg
34827	39 mm	66 mm	4	24	19.8 kg
34828	40 mm	66 mm	4	24	20.2 kg
34829	41 mm	68 mm	4	16	14.4 kg
34830	42 mm	68 mm	4	16	14.6 kg
34831	43 mm	70 mm	4	16	15.1 kg
34832	44 mm	70 mm	4	16	15.5 kg
34833	45 mm	72 mm	4	16	16.8 kg
34834	46 mm	72 mm	4	16	18.3 kg
34835	47 mm	76 mm	4	16	18.6 kg
34836	48 mm	76 mm	4	16	20 kg
34837	49 mm	76 mm	4	16	20.8 kg
34838	50 mm	76 mm	4	16	20.8 kg
34839	51 mm	80 mm	2	12	16.4 kg
34840	52 mm	80 mm	2	12	17 kg
34841	53 mm	80 mm	2	12	17.3 kg
34842	54 mm	80 mm	2	12	17.7 kg
34843	55 mm	84 mm	2	12	18.8 kg
34844	56 mm	84 mm	2	12	19.1 kg
34845	57 mm	84 mm	2	12	19.5 kg
34846	58 mm	84 mm	1	8	13.8 kg
34847	59 mm	88 mm	1	8	14.4 kg
34848	60 mm	88 mm	1	8	15 kg
34849	63 mm	88 mm	1	8	16.4 kg
34850	65 mm	92 mm	1	8	16.6 kg
34851	67 mm	92 mm	1	8	18.3 kg
34852	68 mm	92 mm	1	8	19 kg
34853	69 mm	92 mm	1	8	19.4 kg



- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

ANSI B1072  
DIN 3129

### 1" Drive 6 Point Metric Deep Impact Sockets

Cat. No.	Fastener Size	Dim. C: Overall Length			G.W.
34924	36 mm	90 mm	1	12	13.2 kg
34925	37 mm	90 mm	1	12	13.5 kg
34926	38 mm	90 mm	1	12	14 kg
34928	40 mm	90 mm	1	12	14.2 kg
34929	41 mm	90 mm	1	12	14.3 kg
34930	42 mm	90 mm	1	12	15.5 kg
34931	43 mm	90 mm	1	12	15.5 kg
34934	46 mm	100 mm	1	6	10 kg
34937	49 mm	100 mm	1	6	10.4 kg
34938	50 mm	100 mm	1	6	10.5 kg
34940	55 mm	100 mm	1	6	11.8 kg

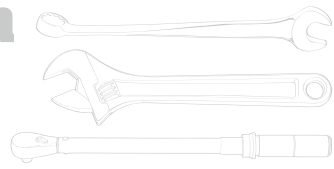


- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

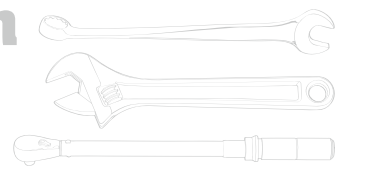
ANSI B1072  
DIN 3129



# Wrench

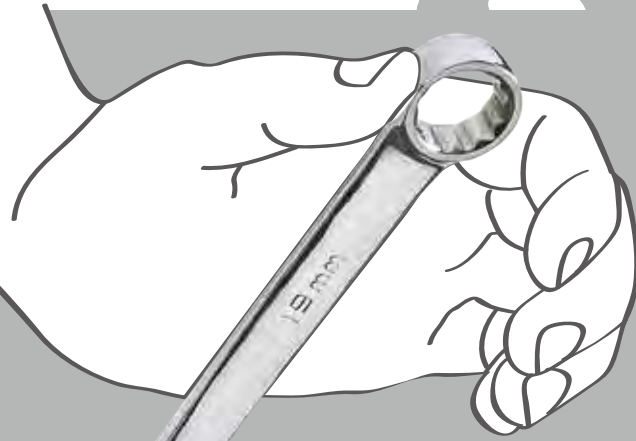


# Wrench



# Wrench

WORK WITH THE WRENCHES' **WIDER SIDE** FOR...



**MORE POWER WITH LESS STRESS**

### Stronger

- Surface Drive Plus®
- Provides stronger grip on fasteners
- Reduces fastener rounding

### Length

- Up to 25% longer to access those hard to reach fasteners

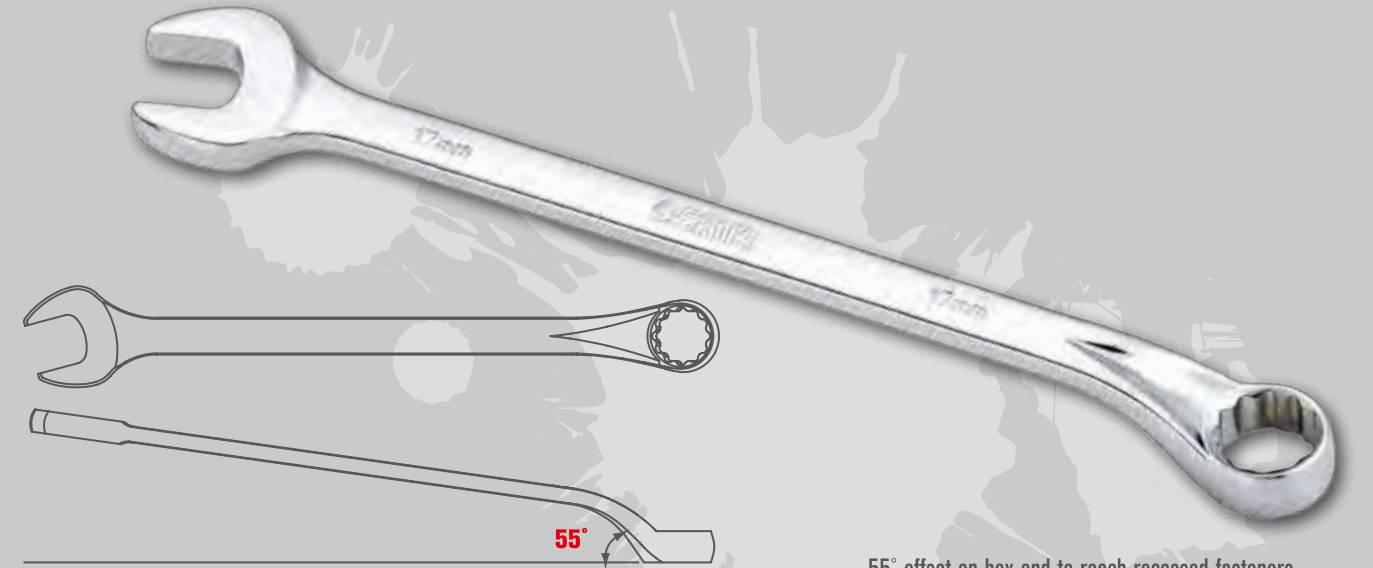
### Improved comfort

- Up to a 500% increase in surface contact area (vs. a standard handle wrench) to reduce hand fatigue

- Improved box end strength
- Surface Drive® reduces fastener rounding

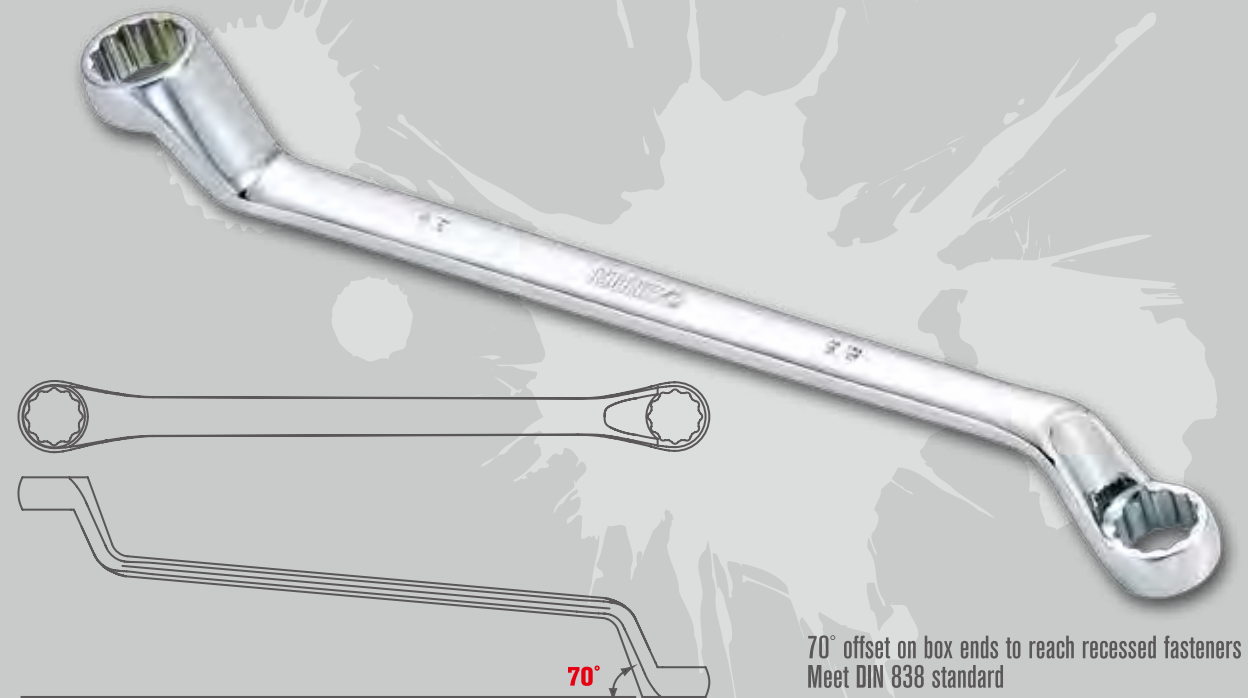
### Strength

# Combination Offset Box End



55° offset on box end to reach recessed fasteners  
Meet DIN 3113 standard

# Deep Offset Double Box End



70° offset on box ends to reach recessed fasteners  
Meet DIN 838 standard

**8 Pc. Metric XL X-Beam® Combination Wrench Set**

Cat. No.			G.W.
08005	0	4	6.7 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 17, 19mm



**10 Pc. Metric XL X-Beam® Combination Wrench Set**

Cat. No.			G.W.
08006	0	4	8.4 kg

CONTENTS:  
8, 10, 12, 13, 14, 15, 16, 17, 18, 19mm



**9 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09019	3	18	18 kg

CONTENTS:  
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"



**9 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09020	3	18	18 kg

CONTENTS:  
8, 10, 11, 12, 13, 14, 15, 17, 19mm



**6 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09017	3	18	8.5 kg

CONTENTS:  
5/16, 3/8, 7/16, 1/2, 9/16, 5/8"



**6 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09018	3	18	8.4 kg

CONTENTS:  
8, 10, 12, 13, 14, 15mm



**11 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09021	2	12	19 kg

CONTENTS:  
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"



**11 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09022	2	12	19 kg

CONTENTS:  
8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22 mm





**17 Pc. Metric Offset Combination Wrench Set**

Cat. No.			G.W.
08018	1	6	16.9 kg

CONTENTS:  
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm



**7 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09036	0	6	6.5 kg

CONTENTS:  
8, 10, 12, 14, 17, 19, 22 mm



**8 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09092	1	12	14.2 kg

CONTENTS:  
6, 8, 10, 12, 14, 17, 19, 22 mm



**11 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09064	3	12	22.5 kg

CONTENTS:  
8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 24 mm



**7 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09067	6	12	11 kg

CONTENTS:  
10, 12, 13, 14, 15, 17, 19 mm



**7 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09070	6	24	18.8 kg

CONTENTS:  
8, 10, 12, 13, 14, 17, 19 mm



**11 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09068	0	12	19 kg

CONTENTS:  
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"



**12 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09063	1	4	14.2 kg

CONTENTS:  
6, 8, 10, 12, 13, 14, 17, 19, 22, 24, 30, 32mm



**14 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09026	0	12	22.8 kg

CONTENTS:  
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24 mm



**14 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09062	1	4	20.5 kg

CONTENTS:  
10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32 mm



**16 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09074	0	4	18 kg

CONTENTS:  
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"



**23 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09027	0	4	21.6 kg

CONTENTS:  
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32mm



**14 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09065	1	4	18.2 kg

CONTENTS:  
10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32 mm



**14 Pc. SAE Combination Wrench Set**

Cat. No.			G.W.
09069	0	4	17.4 kg

CONTENTS:  
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"



**26 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09093	1	2	15.7 kg

CONTENTS:  
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 mm



**7 Pc. Metric Combination Wrench Set**

Cat. No.			G.W.
09030	1	4	6.5 kg

CONTENTS:  
8, 10, 12, 14, 17, 19, 21 mm





### 11 Pc. Metric Deep Offset Double Box End Wrench Set

Cat. No.	0	4	G.W.
08023			13.8 kg

**CONTENTS:**  
6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 30x32mm



### 6 Pc. Metric Offset Double Box End Wrench Set

Cat. No.	0	12	G.W.
09046			15.1 kg

**CONTENTS:**  
8x10, 11x13, 12x14, 17x19, 21x23, 22x24mm



### 10 Pc. Metric Offset Double Box End Wrench Set

Cat. No.	0	6	G.W.
08012			10.9 kg

**CONTENTS:**  
5.5x7, 8x10, 9x11, 10x12, 12x14, 14x17, 17x19, 19x22, 24x27, 30x32mm



### 11 Pc. Metric Offset Double Box End Wrench Set

Cat. No.	0	4	G.W.
09028			11.4 kg

**CONTENTS:**  
8x10, 10x12, 11x13, 12x14, 14x17, 17x19, 19x21, 21x23, 22x24, 23x26, 24x27mm



### 7 Pc. Metric Offset Double Box End Wrench Set

Cat. No.	6	12	G.W.
09072			17.6 kg

**CONTENTS:**  
8x10, 10x12, 12x14, 14x17, 17x19, 21x23, 22x24 mm



### 8 Pc. Metric Offset Double Box End Wrench Set

Cat. No.	0	6	G.W.
08011			6.9 kg

**CONTENTS:**  
5.5x7, 8x10, 9x11, 12x14, 14x17, 17x19, 19x22, 24x27mm



### 6 Pc. Metric Double Open End Wrench Set

Cat. No.	0	12	G.W.
09045			11 kg

**CONTENTS:**  
6x7, 8x10, 11x13, 12x14, 17x19, 21x23mm



### 7 Pc. Metric Double Open End Wrench Set

Cat. No.	0	12	G.W.
09071			11.5 kg

**CONTENTS:**  
8x10, 10x12, 12x14, 14x17, 17x19, 21x23, 22x24 mm





**7 Pc. Metric Double Open End Wrench Set**

Cat. No.	0	12	G.W.
09073			9.6 kg

CONTENTS:  
6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 19x21 mm



**8 Pc. Metric Double Open End Wrench Set**

Cat. No.	0	8	G.W.
08009			10.1 kg

CONTENTS:  
5.5x7, 8x10, 10x12, 12x14, 14x17, 17x19, 19x22, 22x24 mm



**10 Pc. Metric Double Open End Wrench Set**

Cat. No.	1	6	G.W.
08019			14.2 kg

CONTENTS:  
6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 21x23, 24x27, 30x32 mm



**13 Pc. Metric Double Open End Wrench Set**

Cat. No.	0	4	G.W.
09029			13.8 kg

CONTENTS:  
6x7, 8x10, 10x12, 11x13, 12x14, 14x17, 17x19, 19x21, 21x23, 22x24, 23x26, 24x27, 30x32mm



**8 Pc. Metric Double Open End Wrench Set**

Cat. No.	1	12	G.W.
08013			13.6 kg

CONTENTS:  
6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 21x22 mm



**10 Pc. Metric Double Open End Wrench Set**

Cat. No.	0	6	G.W.
08010			12.2 kg

CONTENTS:  
5.5x7, 8x10, 9x11, 10x12, 12x14, 14x17, 17x19, 19x22, 24x27, 30x32 mm



**4 Pc. E-Torx® Box Wrench Set**

Cat. No.	6	24	G.W.
09012			18 kg

CONTENTS:  
E6xE8, E10xE12, E14xE18, E20xE24



**7 Pc. Metric Stubby Combination Wrench Set**

Cat. No.	0	12	G.W.
09033			10.1 kg

CONTENTS:  
10, 11, 12, 13, 14, 17, 19mm





### 6 Pc. Metric Open End and Flex Socket Set

Cat. No.	Box	Case	G.W.
09037	0	6	9.8 kg

CONTENTS:  
10, 12, 13, 14, 17, 19mm



### 3 Pc. Metric Double Flex Head Socket Set

Cat. No.	Box	Case	G.W.
09044	6	24	17.1 kg

CONTENTS:  
8x10, 12x14, 17x19mm



### 3 Pc. SAE Flare Nut Wrench Set

Cat. No.	Box	Case	G.W.
09032	6	36	15.4 kg

CONTENTS:  
3/8x7/16, 1/2x9/16, 5/8x11/16"



### 3 Pc. Metric Flare Nut Wrench Set

Cat. No.	Box	Case	G.W.
09031	6	36	15 kg

CONTENTS:  
9x11, 13x14, 16x17mm

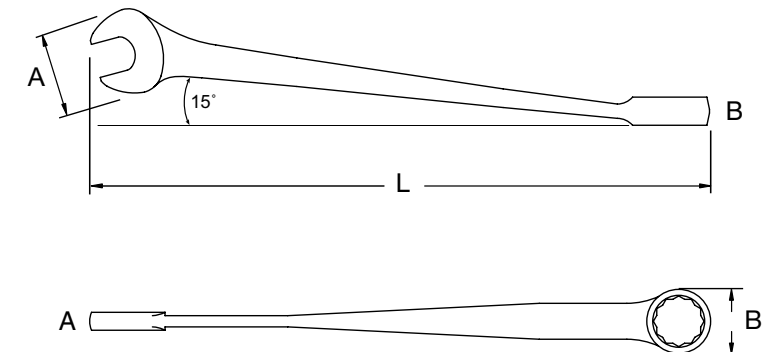


### SAE XL X-Beam® Combination Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	Box	Case	G.W.
40181	5/16 in	18.3 mm	13.6 mm	147 mm	6	96	4.2 kg
40182	3/8 in	23.2 mm	16.1 mm	166 mm	6	96	6.4 kg
40183	7/16 in	25.5 mm	17.4 mm	185 mm	6	96	7.2 kg
40184	1/2 in	28.5 mm	19.8 mm	206 mm	6	72	7.8 kg
40185	9/16 in	32.5 mm	21.5 mm	222 mm	6	72	8.6 kg
40186	5/8 in	35.5 mm	24 mm	242 mm	6	36	6.4 kg
40187	11/16 in	38.5 mm	26 mm	260 mm	6	36	7.8 kg
40188	3/4 in	42.5 mm	28 mm	278.7 mm	6	36	10.1 kg

### Metric XL X-Beam® Combination Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	Box	Case	G.W.
40281	8 mm	18.5 mm	13.6 mm	147 mm	6	96	4.2 kg
40282	9 mm	20.5 mm	15 mm	158 mm	6	96	5.6 kg
40283	10 mm	23.2 mm	16.1 mm	166 mm	6	96	6.4 kg
40284	11 mm	25.5 mm	17.4 mm	185 mm	6	96	7.2 kg
40285	12 mm	27.5 mm	18.5 mm	196 mm	6	96	8.6 kg
40286	13 mm	28.5 mm	19.8 mm	206 mm	6	72	7.8 kg
40287	14 mm	32.5 mm	21.5 mm	222 mm	6	72	8.6 kg
40288	15 mm	33.5 mm	22.6 mm	232 mm	6	72	11.4 kg
40289	16 mm	35.5 mm	24 mm	242 mm	6	36	6.4 kg
40290	17 mm	38.5 mm	26 mm	260 mm	6	36	7.8 kg
40291	18 mm	39 mm	26.6 mm	269 mm	6	36	8.6 kg
40292	19 mm	42.5 mm	28 mm	278.7 mm	6	36	10.1 kg



- Made of premium chrome vanadium steel
- Bright, full polish chrome finish
- Surface Drive® on box end provides off-corner loading for better grip and reduced fastener rounding
- Surface Drive Plus® on open end: stronger grip, reduces fastener rounding, up to 25% more torque
- Strong - torque output increased by 25%
- Efficient - Hand and wrench contact area increased 5 times when operating (compared with conventional wrenches)



**SAE Combination Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
40101	1/4 in	13 mm	11.4 mm	127 mm	6	96	4.4 kg
40102	5/16 in	16.5 mm	13.6 mm	140 mm	6	96	4.8 kg
40103	3/8 in	20.5 mm	16 mm	159 mm	6	36	2.7 kg
40104	7/16 in	22.5 mm	17.5 mm	165 mm	6	36	2.8 kg
40105	1/2 in	27 mm	20 mm	177 mm	6	36	3.6 kg
40106	9/16 in	29 mm	21.5 mm	190 mm	6	36	4.1 kg
40107	5/8 in	33 mm	24 mm	208 mm	6	36	5.5 kg
40108	11/16 in	35 mm	26 mm	225 mm	6	36	5.9 kg
40109	3/4 in	39 mm	28 mm	248 mm	6	36	7.5 kg
40110	13/16 in	43 mm	31 mm	271 mm	4	24	7.2 kg
40111	7/8 in	45.3 mm	32 mm	293 mm	4	24	8.4 kg
40112	15/16 in	49 mm	34 mm	316 mm	4	24	9.4 kg
40113	1 in	51 mm	37.5 mm	335 mm	4	16	7.2 kg
40114	1-1/16 in	55 mm	39 mm	359 mm	4	16	9.8 kg
40115	1-1/8 in	63 mm	42.8 mm	402 mm	2	12	9.6 kg
40116	1-1/4 in	65.6 mm	46 mm	430 mm	2	12	11 kg

**SAE Jumbo Combination Wrenches in Matte Finished**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
40117	1-5/16 in	71 mm	50 mm	476 mm	2	12	12.3 kg
40118	1-3/8 in	71 mm	49.5 mm	476 mm	2	12	12.3 kg
40119	1-7/16 in	79 mm	55.5 mm	501 mm	2	8	14 kg
40120	1-1/2 in	79 mm	55.5 mm	501 mm	2	8	14 kg
40121	1-5/8 in	86.5 mm	61 mm	578 mm	2	8	18.8 kg
40122	1-3/4 in	93 mm	65.5 mm	615 mm	2	6	15.7 kg
40123	1-7/8 in	100 mm	74.5 mm	654 mm	2	6	20.7 kg
40124	2 in	100 mm	74.5 mm	654 mm	2	6	20.7 kg

**Metric Combination Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
40233	5.5 mm	13 mm	11.4 mm	127 mm	6	96	4.4 kg
40201	6 mm	13 mm	11.4 mm	127 mm	6	96	4.4 kg
40202	7 mm	14.4 mm	12.3 mm	133 mm	6	96	4.4 kg
40203	8 mm	16.5 mm	13.6 mm	140 mm	6	96	4.8 kg
40204	9 mm	18.5 mm	15 mm	149 mm	6	36	2.4 kg
40205	10 mm	20.5 mm	16 mm	159 mm	6	36	2.7 kg
40206	11 mm	22.5 mm	17.5 mm	165 mm	6	36	2.8 kg
40207	12 mm	25 mm	18.5 mm	171 mm	6	36	3.2 kg
40208	13 mm	27 mm	20 mm	177 mm	6	36	3.6 kg
40209	14 mm	29 mm	21.5 mm	190 mm	6	36	4.1 kg
40210	15 mm	31 mm	22.5 mm	199 mm	6	36	5.0 kg
40211	16 mm	33 mm	24 mm	208 mm	6	36	5.5 kg
40212	17 mm	35 mm	26 mm	225 mm	6	36	5.9 kg
40213	18 mm	37 mm	26.6 mm	237 mm	6	36	6.8 kg
40214	19 mm	39 mm	28 mm	248 mm	6	36	7.5 kg
40215	20 mm	42 mm	30 mm	265 mm	6	24	7.2 kg
40216	21 mm	43 mm	31 mm	271 mm	6	24	7.2 kg
40217	22 mm	45.3 mm	32 mm	293 mm	4	24	8.4 kg
40218	23 mm	47.5 mm	33 mm	304 mm	6	24	9.4 kg
40219	24 mm	49 mm	34 mm	316 mm	6	24	9.5 kg
40220	25 mm	51 mm	37.5 mm	335 mm	6	24	9.2 kg
40235	26 mm	54 mm	37.4 mm	348 mm	4	16	9.1 kg
40221	27 mm	55 mm	39 mm	359 mm	4	16	9.8 kg
40236	28 mm	62.5 mm	42.6 mm	402 mm	2	12	8.7 kg
40237	29 mm	62.5 mm	42.6 mm	402 mm	2	12	9.6 kg
40222	30 mm	65 mm	43 mm	415 mm	2	12	9.6 kg
40223	32 mm	66.5 mm	46 mm	426 mm	2	12	10 kg

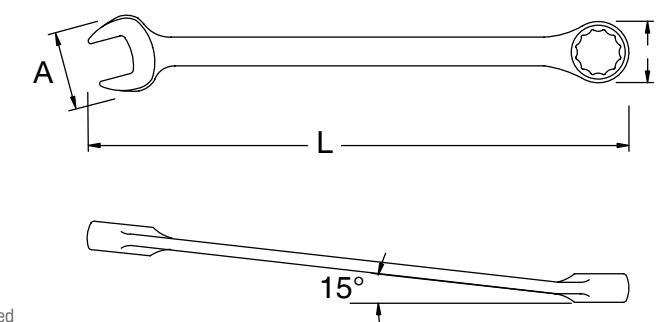
- Surface Drive® on box end provides off-corner loading for better grip and reduced fastener rounding
- Bright, full polish chrome finish
- Made of premium Chrome Vanadium steel

DIN 3113

**Metric Jumbo Combination Wrenches in Matte Finished**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
40241	34 mm	71 mm	50 mm	476 mm	2	12	12.3 kg
40242	35 mm	71 mm	50 mm	476 mm	2	12	12.3 kg
40243	36 mm	79 mm	55.5 mm	501 mm	2	8	14 kg
40244	38 mm	79 mm	55.5 mm	501 mm	2	8	14 kg
40245	41 mm	86.5 mm	61 mm	578 mm	2	8	18.8 kg
40246	42 mm	86.5 mm	61 mm	578 mm	2	8	18.8 kg
40248	46 mm	93 mm	65.5 mm	615 mm	2	6	15.7 kg
40249	48 mm	100 mm	74.5 mm	654 mm	2	6	20.7 kg
40250	50 mm	100 mm	74.5 mm	654 mm	2	6	20.7 kg
40251	55 mm	109 mm	80 mm	670 mm	0	2	7.5 kg
40252	60 mm	120 mm	87 mm	692 mm	0	2	9.5 kg

DIN 3113



- Surface Drive® on box end provides off-corner loading for better grip and reduced fastener rounding
- Matte finished
- Made of premium Chrome Vanadium steel





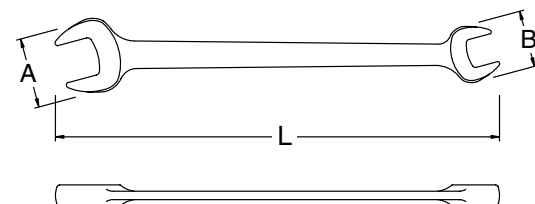
SAE Double Open End Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
41101	1/4x 5/16 in	12.5 mm	16.5 mm	124 mm	6	96	4.4 kg
41102	3/8x7/16 in	20.8 mm	23 mm	150 mm	6	36	2.9 kg
41103	1/2x9/16 in	27 mm	29 mm	175 mm	6	36	4.1 kg
41104	5/8x11/16 in	33.4 mm	35.5 mm	201 mm	6	36	7.6 kg
41105	11/16x3/4 in	35.5 mm	39.7 mm	228 mm	6	36	8.1 kg
41106	13/16x7/8 in	43.8 mm	46 mm	254 mm	4	24	7.6 kg
41107	15/16x1 in	50 mm	52.2 mm	279 mm	4	24	10.1 kg
41108	1-1/8x1-1/4 in	62 mm	66.8 mm	310 mm	4	24	16 kg

Metric Double Open End Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
41216	5.5x 7 mm	12.5 mm	16.5 mm	124 mm	6	96	4.4 kg
41201	6x7 mm	12.5 mm	16.5 mm	124 mm	6	96	4.4 kg
41301	8x9 mm	16.7 mm	18.8 mm	137 mm	6	36	2.5 kg
41202	8x10 mm	16.5 mm	20.8 mm	150 mm	6	36	2.5 kg
41217	9x11 mm	20.8 mm	23 mm	150 mm	6	36	2.7 kg
41302	10x11 mm	20.8 mm	23 mm	150 mm	6	36	2.9 kg
41203	10x12 mm	20.8 mm	25 mm	163 mm	6	36	2.9 kg
41204	11x13 mm	23 mm	27 mm	175 mm	6	36	3.5 kg
41303	12x13 mm	24.6 mm	27.2 mm	163 mm	6	36	4 kg
41205	12x14 mm	25 mm	29 mm	187 mm	6	36	4 kg
41218	13x15 mm	27 mm	33.4 mm	182 mm	6	36	4.3 kg
41219	13x16 mm	27 mm	33.4 mm	182 mm	6	36	5.2 kg
41304	14x15 mm	29 mm	31 mm	189 mm	6	36	5.4 kg
41206	14x17 mm	29 mm	35.5 mm	201 mm	6	36	5.4 kg
41305	16x17 mm	33.4 mm	35.5 mm	201 mm	6	36	7.6 kg
41214	16x18 mm	33.4 mm	35.5 mm	201 mm	6	36	7.6 kg
41207	17x19 mm	35.5 mm	39.7 mm	228 mm	6	36	6.1 kg
41225	18x19 mm	34.7 mm	38.9 mm	227 mm	6	36	8.1 kg
41208	19x21 mm	39.7 mm	43.8 mm	240 mm	4	24	6.3 kg
41215	19x22 mm	43.8 mm	46 mm	254 mm	4	24	6.2 kg
41227	20x22 mm	43.1 mm	45.2 mm	261 mm	4	24	6.7 kg
41226	21x22 mm	43.1 mm	45.2 mm	261 mm	4	24	8.4 kg
41209	21x23 mm	43.8 mm	48 mm	262 mm	4	24	8.4 kg
41210	22x24 mm	46 mm	50 mm	285 mm	4	24	9.6 kg
41211	23x26 mm	48 mm	54.3 mm	300 mm	4	24	10.1 kg
41212	24x27 mm	48 mm	54.3 mm	300 mm	4	24	10.8 kg
41220	27x30 mm	56.4 mm	62.5 mm	290 mm	4	24	15.5 kg
41213	30x32 mm	62 mm	66.8 mm	310 mm	4	24	16.5 kg
41221	30x34 mm	66.8 mm	69.7 mm	329 mm	4	24	17 kg
41222	32x34 mm	66.8 mm	69.7 mm	329 mm	4	12	10.4 kg
41223	34x36 mm	70 mm	75.5 mm	341 mm	4	12	12.4 kg

DIN 3110



- Made of premium chrome vanadium steel
- Bright, full polish chrome finish



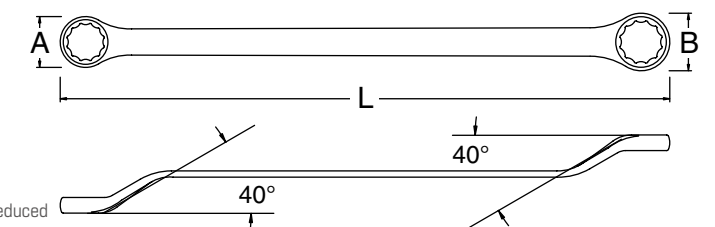
SAE Offset Double Box End Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
42101	3/8x7/16 in	16.2 mm	18.4 mm	196 mm	6	36	4.0 kg
42102	1/2x9/16 in	19.8 mm	21.8 mm	220 mm	6	36	5.6 kg
42104	11/16x3/4 in	26.6 mm	27.7 mm	250 mm	6	36	8.1 kg
42105	13/16x7/8 in	30.5 mm	33 mm	290 mm	4	24	8.2 kg
42106	7/8x15/16 in	32 mm	34 mm	320 mm	4	24	10.2 kg
42107	15/16x1 in	34 mm	39 mm	360 mm	4	24	12 kg

Metric Offset Double Box End Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length	⊞	⊞	G.W.
42221	5.5x7 mm	11.3 mm	13.5 mm	165 mm	6	36	2.8 kg
42213	6x7 mm	11.3 mm	13.5 mm	165 mm	6	36	2.8 kg
42214	8x9 mm	14.2 mm	14.5 mm	175 mm	6	36	3.4 kg
42201	8x10 mm	14 mm	16 mm	185 mm	6	36	3.4 kg
42222	9x11 mm	16.2 mm	18.4 mm	195 mm	6	36	4 kg
42215	10x11 mm	16.2 mm	18.4 mm	196 mm	6	36	4 kg
42202	10x12 mm	16.2 mm	18.4 mm	196 mm	6	36	4 kg
42203	11x13 mm	18.4 mm	20.7 mm	205 mm	6	36	4.4 kg
42216	12x13 mm	18.4 mm	20.7 mm	205 mm	6	36	5.4 kg
42204	12x14 mm	19.8 mm	21.8 mm	220 mm	6	36	5.4 kg
42223	13x15 mm	22.5 mm	24.8 mm	235 mm	6	36	5.7 kg
42224	13x16 mm	22.5 mm	24.8 mm	235 mm	6	36	5.7 kg
42217	14x15 mm	22.5 mm	24.5 mm	235 mm	6	36	6 kg
42205	14x17 mm	22.7 mm	25.7 mm	235 mm	6	36	6 kg
42218	16x17 mm	24.5 mm	25.5 mm	240 mm	6	36	7.2 kg
42219	16x18 mm	26.6 mm	27.7 mm	250 mm	6	36	7.8 kg
42206	17x19 mm	26.6 mm	27.7 mm	250 mm	6	36	8.1 kg
42207	19x21 mm	28 mm	32 mm	270 mm	4	24	7.2 kg
42220	19x22 mm	28 mm	32 mm	270 mm	4	36	7.4 kg
42208	21x23 mm	30.5 mm	33 mm	290 mm	4	24	8.3 kg
42209	22x24 mm	32 mm	34 mm	320 mm	4	24	10.2 kg
42210	23x26 mm	34 mm	39 mm	360 mm	4	24	12.1 kg
42211	24x27 mm	34 mm	39 mm	360 mm	4	24	12.1 kg
42225	27x30 mm	39 mm	42.8 mm	390 mm	4	24	12.3 kg
42212	30x32 mm	42.8 mm	46.3 mm	420 mm	4	24	12.6 kg
42226	18x19 mm	27.7 mm	28.6 mm	250 mm	6	36	9 kg
42227	20x22 mm	30.7 mm	33 mm	290 mm	4	24	9 kg

DIN 838

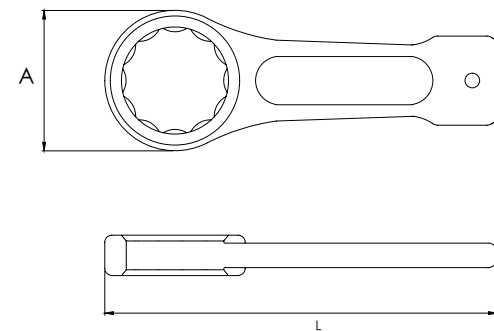


- Surface Drive® on box end provides off-corner loading for better grip and reduced fastener rounding
- Bright, full polish chrome finish
- Made of premium Chrome Vanadium steel



**Metric Box End Slu**

Cat. No.	Fastener Size	End A Width	Overall Length			G.W.
48505	27 mm	45 mm	175 mm	6	24	10 kg
48506	30 mm	55 mm	185 mm	6	24	10.2 kg
48507	32 mm	50 mm	185 mm	6	24	10.5 kg
48509	36 mm	55 mm	200 mm	6	24	14.2 kg
48512	41 mm	62 mm	222 mm	6	24	18 kg
48515	46 mm	75 mm	240 mm	6	24	22 kg
48516	50 mm	75 mm	245 mm	6	18	22.6 kg
48517	55 mm	85 mm	265 mm	6	12	17.3 kg
48519	60 mm	90 mm	270 mm	6	12	19 kg
48520	65 mm	90 mm	270 mm	6	12	23.8 kg
48521	70 mm	105 mm	320 mm	3	6	9.7 kg
48522	75 mm	110 mm	330 mm	1	6	17 kg
48523	80 mm	131 mm	359 mm	1	6	23 kg
48524	85 mm	131 mm	359 mm	1	6	23 kg
48525	90 mm	145 mm	391 mm	1	4	22 kg
48526	95 mm	145 mm	391 mm	1	4	24 kg
48527	100 mm	158 mm	421 mm	1	2	14 kg
48528	105 mm	158 mm	421 mm	1	2	14 kg
48529	110 mm	172 mm	450 mm	1	2	17 kg
48530	115 mm	172 mm	450 mm	1	2	16 kg
48531	120 mm	185 mm	480 mm	1	2	19 kg

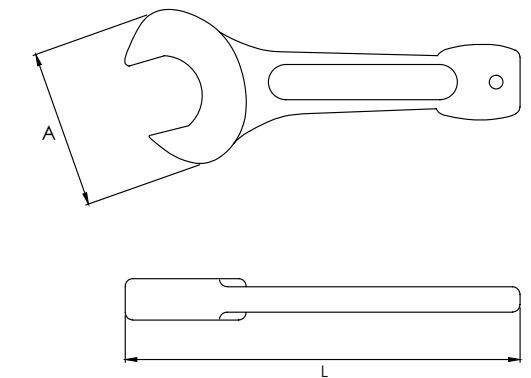


- Knock end has a security hole that can hang wire, string, etc. Connecting to the device when struck to avoid the excessive force. It is also for easy hanging storage
- Surface with dural anti-rust treatment for attractive appearance, wear resistance and strong rust resistance
- Product with overall heat treatment for uniform hardness
- Made of 40CR-V



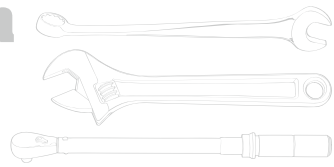
**Metric Open End Slugg**

Cat. No.	Fastener Size	End A Width	Overall Length			G.W.
48603	27 mm	55 mm	175 mm	6	24	10.4 kg
48604	30 mm	65 mm	190 mm	6	24	13 kg
48605	32 mm	60 mm	185 mm	6	24	14 kg
48607	36 mm	170 mm	210 mm	6	24	17.8 kg
48609	41 mm	85 mm	230 mm	6	24	23.44 kg
48610	46 mm	95 mm	240 mm	6	18	22 kg
48611	50 mm	100 mm	270 mm	6	12	18.8 kg
48612	55 mm	115 mm	295 mm	6	12	23.6 kg
48613	60 mm	120 mm	310 mm	3	6	13.9 kg
48614	65 mm	195 mm	330 mm	3	6	19.4 kg
48615	70 mm	150 mm	365 mm	3	6	22.1 kg
48616	75 mm	156 mm	390 mm	1	6	29 kg
48617	80 mm	173 mm	408 mm	1	4	28 kg
48618	85 mm	173 mm	408 mm	1	4	26 kg
48619	90 mm	193 mm	445 mm	1	2	19 kg
48620	95 mm	193 mm	445 mm	1	2	19 kg
48621	100 mm	214 mm	485 mm	1	2	22 kg
48622	105 mm	214 mm	485 mm	1	2	22 kg



- Knock end has a security hole that can hang wire, string, etc. Connecting to the device when struck to avoid the excessive force. It is also for easy hanging storage
- Surface with dural anti-rust treatment for attractive appearance, wear resistance and strong rust resistance
- Product with overall heat treatment for uniform hardness
- Made of 40CR-V





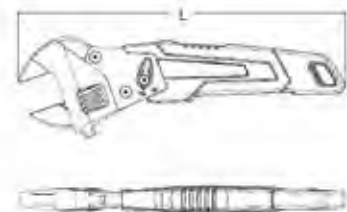
# Ratcheting Adjustable Wrench Open Stock

- Versatility** • Laser etched Metric/SAE markings
- Speed** • Smooth ratcheting action is intuitive and easy to use
- Convenience** • Ratcheting on/off switch allows wrench to also be used as a traditional adjustable wrench
- Logo** • Pad printed logo on PP layer
- Strength** • Meet ANSI torque specification
- Comfort** • Unique handle design accommodates a wide variety of hand sizes. TPR soft grip material for maximum comfort
- Versatility** • Movable jaw works on any 4- or 6-point fastener up to 24mm

## Ratcheting Adjustable Wrench

Cat. No.	Size	Length	Jaw Capacity	Head Thickness			G.W.
47403	8 in	215.2 mm	25 mm	14.5 mm	6	36	13 kg

ASME B107.100-2010 (B107.8)



- Hex jaw design reduces slippage and tightly grips bolt
- Larger knurl for smoother operation
- Wide opening jaw for greater capacity and allows each tool to work with more fastener sizes
- Wide handle for improved comfort and better leverage

• These features can be found in part no. 47201~47208

## VDE Insulated Adjustable Wrench

Cat. No.	Size	Length	Jaw Capacity	Head Thickness			G.W.
47101	6 in	163 mm	24 mm	11.6 mm	6	48	6.7 kg
47102	8 in	215 mm	28.2 mm	11.7 mm	6	48	15.9 kg
47103	10 in	260 mm	36.6 mm	16.4 mm	6	36	21.6 kg
47104	12 in	312 mm	38 mm	20.4 mm	6	24	18.5 kg



- Tested to 10,000 volts to ensure the user safety
- Made of alloy steel with chrome plated surface for better antirust ability
- Two-tone materials patent handle. Oil and scratch resistance



Adjustable Wrenches

Cat. No.	Size	Length	Jaw Capacity	Head Thickness			G.W.
47201	4 in	100 mm	12.7 mm	9.4 mm	4	24	2.1 kg
47202	6 in	150 mm	23.8 mm	11 mm	6	36	6.2 kg
47203	8 in	200 mm	28.5 mm	12.6 mm	6	36	10.5 kg
47204	10 in	250 mm	33.3 mm	15.7 mm	6	48	18.2 kg
47205	12 in	300 mm	38.1 mm	19 mm	6	18	14.4 kg
47206	15 in	375 mm	42.8 mm	23.9 mm	3	6	8.9 kg
47207	18 in	450 mm	52.4 mm	28.5 mm	2	4	9.2 kg
47208	24 in	600 mm	61.9 mm	34.5 mm	1	2	8.4 kg

DIN 3117

- Wide handle for improved comfort and better leverage
- Wide opening jaw for greater capacity and allows each tool to work with more fastener sizes
- Larger knurl for smoother operation
- Hex jaw design reduces slippage and tightly grips bolt



Dipping Handle Adjustable Wrench

Cat. No.	Size	Length	Jaw Capacity	Head Thickness			G.W.
47221	4 in	100 mm	12.7 mm	8.6 mm	6	48	6.6 kg
47222	6 in	150 mm	23.8 mm	9.5 mm	6	48	9.5 kg
47223	8 in	200 mm	28.5 mm	12 mm	6	36	11.1 kg
47224	10 in	250 mm	33.3 mm	14 mm	6	24	11.8 kg
47225	12 in	300 mm	38.1 mm	16.5 mm	4	16	12.8 kg
47226	15 in	375 mm	42.8 mm	21 mm	3	6	9.3 kg

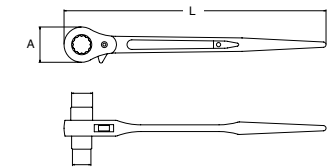
DIN 3117

- Wide handle for improved comfort and better leverage
- Wide opening jaw for greater capacity and allows each tool to work with more fastener sizes
- Dipping handle for better grip
- Larger knurl for smoother operation
- Matte finished



Metric Construction Ratcheting Wrenches

Cat. No.	Fastener Size	End A Width	Overall Length			G.W.
47305	12x14 mm	31 mm	225 mm	2	36	9.4 kg
47308	14x17 mm	35 mm	270 mm	2	36	12.1 kg
47309	17x19 mm	42 mm	305 mm	2	36	18.6 kg
47310	17x21 mm	40 mm	310 mm	2	36	18.6 kg
47312	19x21 mm	40 mm	310 mm	2	36	18.6 kg
47313	19x22 mm	40 mm	310 mm	2	36	18.5 kg
47314	19x24 mm	45 mm	310 mm	2	36	17.6 kg
47317	21x26 mm	54 mm	370 mm	2	12	12 kg
47319	22x24 mm	55 mm	370 mm	2	12	12 kg
47321	24x27 mm	65 mm	400 mm	2	12	14.2 kg
47322	24x30 mm	60 mm	400 mm	2	12	14.4 kg
47324	30x32 mm	65 mm	420 mm	2	12	13.7 kg
47325	32x36 mm	65 mm	420 mm	2	12	19 kg

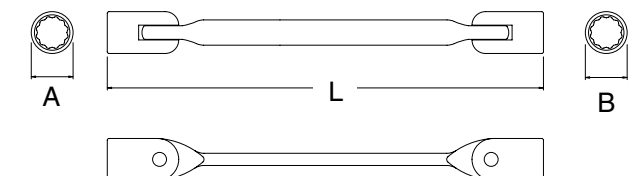


- The tip end can be used to twist wire. Suitable for heavy duty jobs
- Composite functional of socket and ratchet
- Made of chrome vanadium steel



Metric Double Flex Head Socket

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
47501	8x9 mm	12.7 mm	14 mm	183 mm	6	48	5.2 kg
47507	8x10 mm	12.9 mm	14.7 mm	184 mm	6	48	5.1 kg
47502	10x11 mm	14.7 mm	15.8 mm	197 mm	6	48	6.4 kg
47503	12x13 mm	16.2 mm	17.4 mm	211 mm	6	48	9.2 kg
47508	12x14 mm	16.2 mm	19.8 mm	212 mm	6	48	10.1 kg
47504	14x15 mm	19.8 mm	21.9 mm	240 mm	6	48	9.4 kg
47505	16x17 mm	23.9 mm	24 mm	256 mm	6	36	12.1 kg
47509	17x19 mm	24 mm	27 mm	273 mm	6	36	15.9 kg
47506	18x19 mm	26.9 mm	27 mm	272 mm	6	36	14.9 kg



- Made of premium chrome vanadium alloy steel

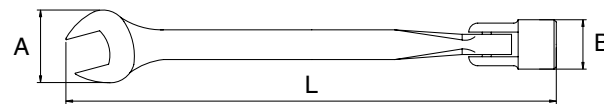




**Metric Open End and Flex Socket**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
47601	10 mm	20.4 mm	14.7 mm	180 mm	12	72	6.6 kg
47602	12 mm	25.4 mm	17.7 mm	191 mm	12	72	8.9 kg
47603	13 mm	28.3 mm	18.7 mm	207 mm	12	72	11 kg
47604	14 mm	32.1 mm	19.8 mm	224 mm	12	72	13.8 kg
47605	17 mm	36.4 mm	23.8 mm	233 mm	6	48	12.3 kg
47606	19 mm	41.7 mm	25.8 mm	250 mm	6	48	14.6 kg

- Full polish surface
- Made of chrome vanadium steel



**T-Handle 6 Point Socket**

Cat. No.	Fastener Size	Overall Length			G.W.
47701	8 mm	310 mm	6	36	10.6 kg
47702	9 mm	310 mm	6	36	10.6 kg
47703	10 mm	308 mm	6	36	10.6 kg
47704	11 mm	308 mm	6	36	11.8 kg
47705	12 mm	308 mm	6	36	11.8 kg
47706	13 mm	310 mm	6	36	15.7 kg
47707	14 mm	310 mm	6	36	15.7 kg
47710	17 mm	313 mm	6	12	7.6 kg
47712	19 mm	313 mm	6	12	7.6 kg

- Handle length reach to 20cm for better torque
- Unique design. Rod length reach to 30cm. Suitable for work in narrow space
- Made of premium chrome vanadium alloy steel

**7/16" Scaffolding Wrench**

Cat. No.	Size	Overall Length			G.W.
17010	7/16 in	235 mm	10	40	26.6 kg



- Made of Chrome Vanadium steel
- Knurling on handle for better grip
- Socket head swivels 180 degree for ease of use

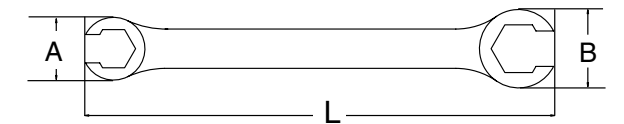


**Metric Flare Nut Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
48200	8x10 mm	17.3 mm	21 mm	140 mm	6	36	3.3 kg
48201	9x11 mm	19.4 mm	22.2 mm	152 mm	6	36	3.6 kg
48204	10x12 mm	21 mm	23.4 mm	166 mm	6	36	7.3 kg
48202	13x14 mm	24.9 mm	26.1 mm	178 mm	6	36	4 kg
48203	16x17 mm	27.5 mm	30.5 mm	193 mm	6	36	5.6 kg

DIN 3118

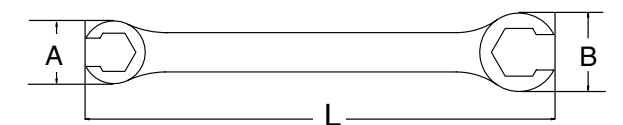
- Made of chrome vanadium alloy steel



**SAE Flare Nut Wrenches**

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
48301	3/8x7/16 in	19.4 mm	22.2 mm	152 mm	6	36	3.6 kg
48302	1/2x9/16 in	24.9 mm	26.1 mm	178 mm	6	36	5.6 kg
48303	5/8x11/16 in	27.5 mm	30.5 mm	193 mm	6	36	7.3 kg

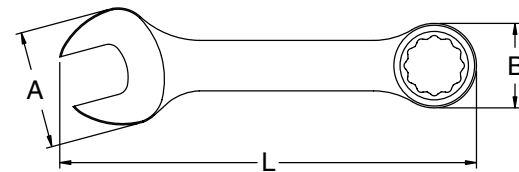
- Made of chrome vanadium alloy steel





### Metric Stubby Combination Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
49201	10 mm	20.5 mm	16 mm	95.5 mm	6	96	5.3 kg
49202	11 mm	22.6 mm	17.5 mm	103 mm	6	96	5.3 kg
49203	12 mm	24.6 mm	18.5 mm	106.5 mm	6	96	6 kg
49204	13 mm	26.7 mm	20 mm	108.5 mm	6	36	2.7 kg
49205	14 mm	29 mm	21.5 mm	115.5 mm	6	36	3.3 kg
49208	17 mm	35 mm	26 mm	127.5 mm	6	36	4.5 kg
49210	19 mm	39.5 mm	28 mm	139.5 mm	4	24	4.3 kg



- Special for working in narrow space
- Made of chrome vanadium steel

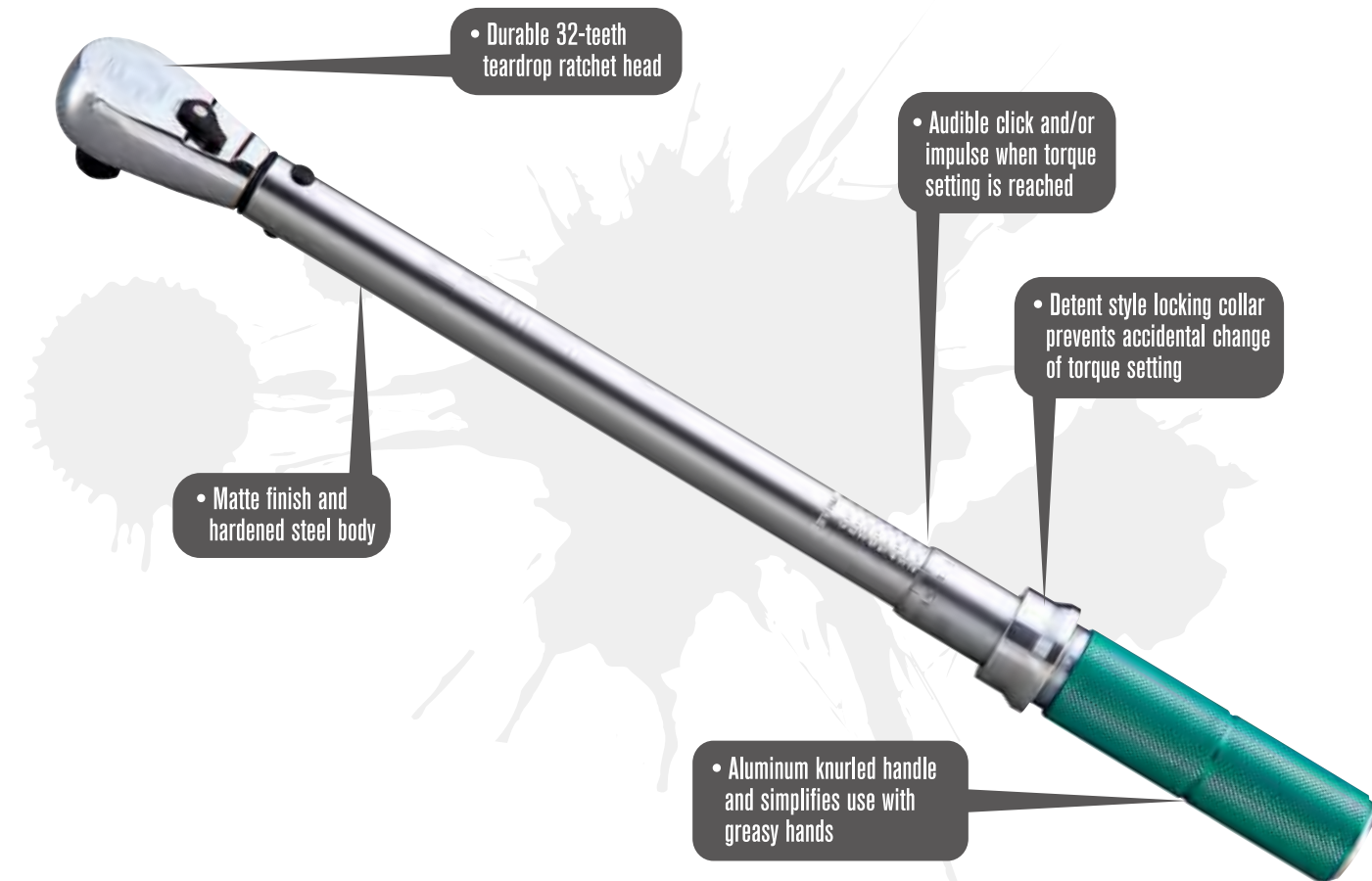
DIN 3113



### Heavy Duty Pipe Wrench

Cat. No.	Size	Jaw Capacity	Overall Length	Head Thickness			G.W.
70812	8 in	25 mm	200 mm	20 mm	6	36	14.7 kg
70813	10 in	30 mm	250 mm	30 mm	6	24	18.9 kg
70814	12 in	40 mm	300 mm	30 mm	6	12	14.5 kg
70815	14 in	50 mm	350 mm	35 mm	6	12	20.7 kg
70816	18 in	60 mm	450 mm	38 mm	3	6	15.3 kg
70817	24 in	75 mm	600 mm	40 mm	2	4	16 kg
70818	36 in	85 mm	900 mm	55 mm	1	2	19.3 kg
70819	48 in	110 mm	1200 mm	70 mm	1	2	29.6 kg

- Forged jaw, featuring easing spinning adjusting nut
- Made of chrome vanadium steel for strength and durability



- ±3% clockwise/counterclockwise accuracy between 20% and 100% of range
- Available in 1/4"-3/4" drive

### A-series Mechanical Torque Wrench

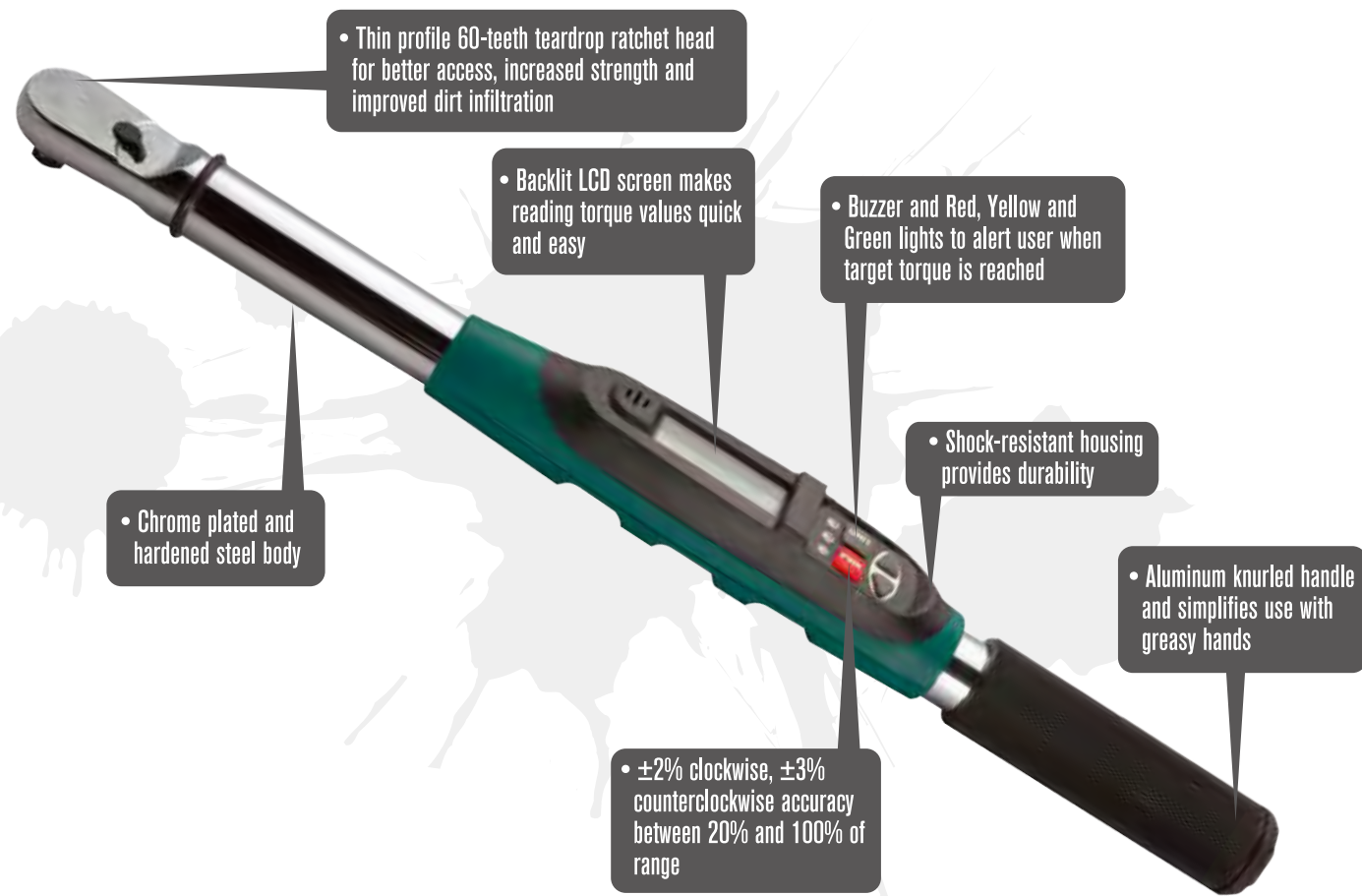
Cat. No.	Drive Tang Size	Overall Length	Primary Scale Range	Max Torque			G.W.
96211	1/4 in	228 mm	1 nm	5 nm	0	16	9.8 kg
96212	3/8 in	268 mm	5 nm	25 nm	0	16	10.2 kg
96311	1/2 in	472 mm	20 nm	100 nm	0	10	17.2 kg
96312	1/2 in	555 mm	40 nm	200 nm	0	10	18.9 kg
96313	1/2 in	616 mm	68 nm	340 nm	0	10	21.8 kg
96411	3/4 in	864 mm	110 nm	550 nm	0	1	6.7 kg
96412	3/4 in	1107 mm	160 nm	800 nm	0	1	7.3 kg

DIN 152374-919-51903-98




- ⚠ Torque Wrench is a precision instrument. Please refer to warranty conditions on Page 98.





## Electronic Torque Wrench

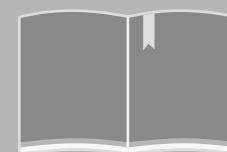
Cat. No.	Drive Tang Size	Overall Length	Primary Scale Range	Max Torque			G.W.
96513	3/8 in	220 mm	27 nm	135 nm	0	1	1.7 kg
96515	1/2 in	220 mm	68 nm	339 nm	0	1	2.5 kg

DIN 152374-919-51903-98



 Torque Wrench is a precision instrument. Please refer to warranty conditions on Page 98.

## CONVERSION FORMULA



1 Nm = 0.1019 Kgm = 0.73756 Ft/Lb  
 1 Ft/Lb = 0.1383 Kgm = 1.13556 Nm  
 1 Ft/Lb = 12 Inch/Lb

## REPAIR AND CALIBRATION SERVICE



All Torque Wrenches should be checked for accuracy periodically. This should be done at least once a year, or every 10,000 torque application cycles, whichever comes first. Recalibration is also recommended after any abnormal handling.

## WARRANTY

SATA Torque Products are warrantee to

- (1) be free of defects in material and workmanship.
- (2) Accuracy standards for calibration are warrantee for 90 days from date of purchase. Products for which warranty repair is requested should be returned, at Buyer's cost, to your nearest repair center.

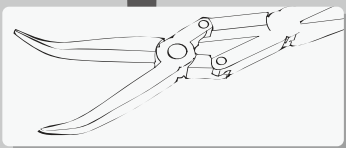
SATA Torque Products are precision instruments that contain moving parts. These components are subject to normal wear through use, and replacement there of is the responsibility of the Buyer. Torque Products should be routinely checked for calibration at an authorized repair center using SATA repair parts.

This Warranty shall not apply to Products which have been misused, abused, damaged by accident or otherwise, repaired by anyone other than an authorized repair center or modified by anyone other than SATA Tools.

# Double - X™ Pliers

- Aligned serrated tips for precision gripping fastener up to 24mm

## Access



- Flush rivet for strength and narrow profile

## Strength

## Productivity

- Maximum access and strength with minimal movement

## Comfort

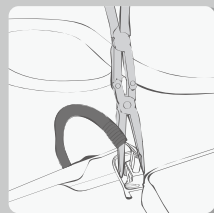
- Two-tone materials increased comfort and ergonomics
- Protect hands working in high temperature

## Access

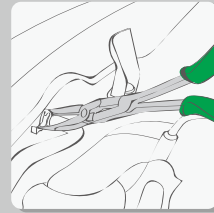
- Double articulation ensures that even with maximum opening of the spout and handle, the body of the clamp remains narrow, providing broad access and less effort

## Productivity

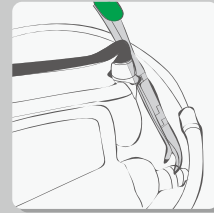
- Compound joint allows access with minimal handle movement
- Jaws open greater distance than the handle for added reach in tight locations



**SUITABLE**  
Work in confined areas and hot parts. Release latches, clamps, connectors.



**SUPERFINE**  
Allows work in extremely restricted areas.

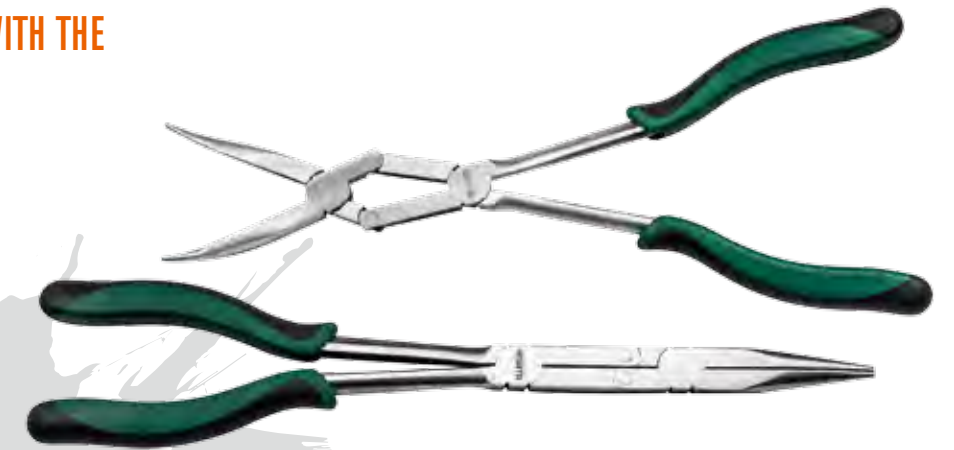


**PROFILE**  
Extra long reach to get into confined & hot areas.

## THE VERSATILITY OF PLIERS WITH THE SCOPE YOU'VE NEVER SEEN !

### Profile superfine

- Allows work in extremely restricted areas
- Extra long reach to get into confined & hot areas



## AVAILABLE IN STRAIGHT BEAK AND CURVED BEAK

### Suitable for

- General use
- Work in confined areas and hot parts
- Hold and pull pieces
- Bending wires
- Release latches, clamps, connectors



## Straight Double-X Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width			G.W.
70711	13-1/2 in	340 mm	10 mm	17 mm	3	36	0.4 kg

ANSI B107.11M  
DIN 5238



## 45 Degree Double-X Pliers

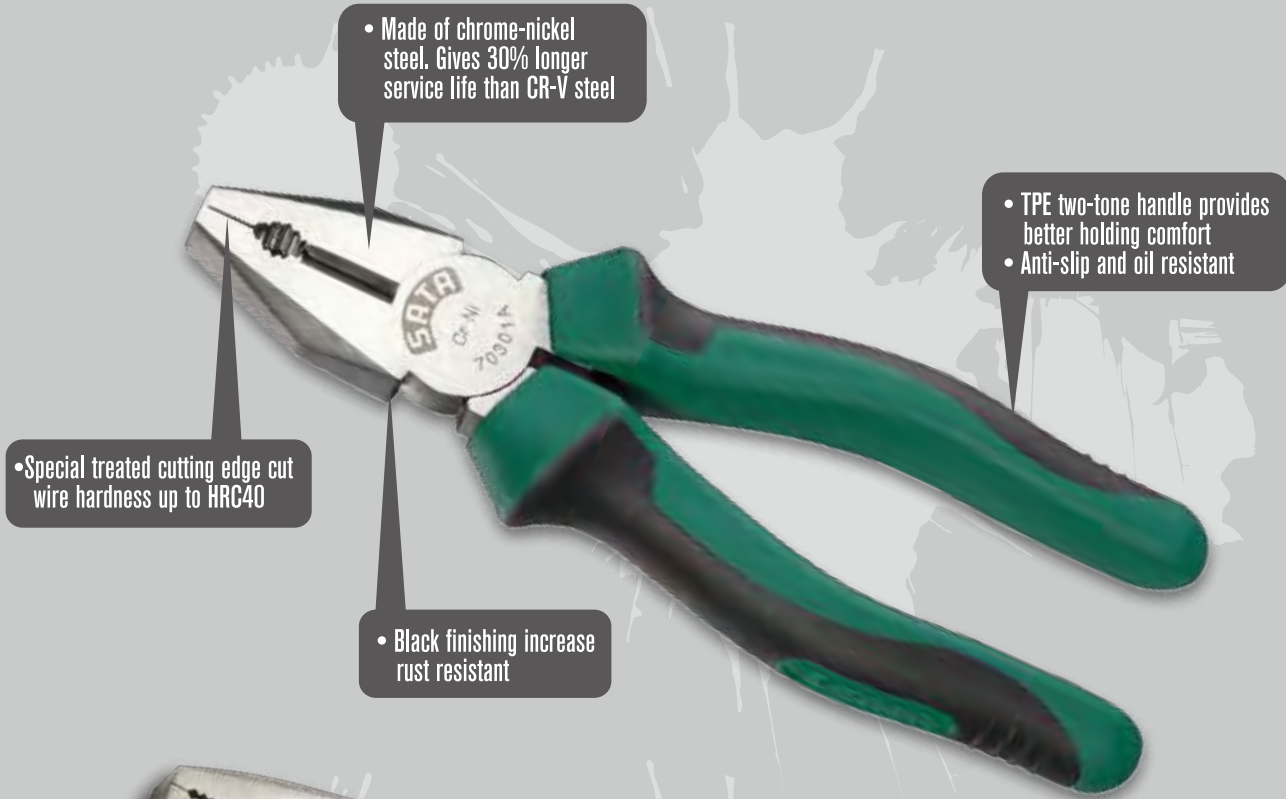
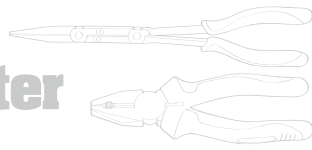
Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width			G.W.
70721	13-1/2 in	335 mm	10 mm	17 mm	3	36	0.4 kg

ANSI B107.13M  
DIN 5236





# Pliers, Crimping Tool, Snips, Cutter

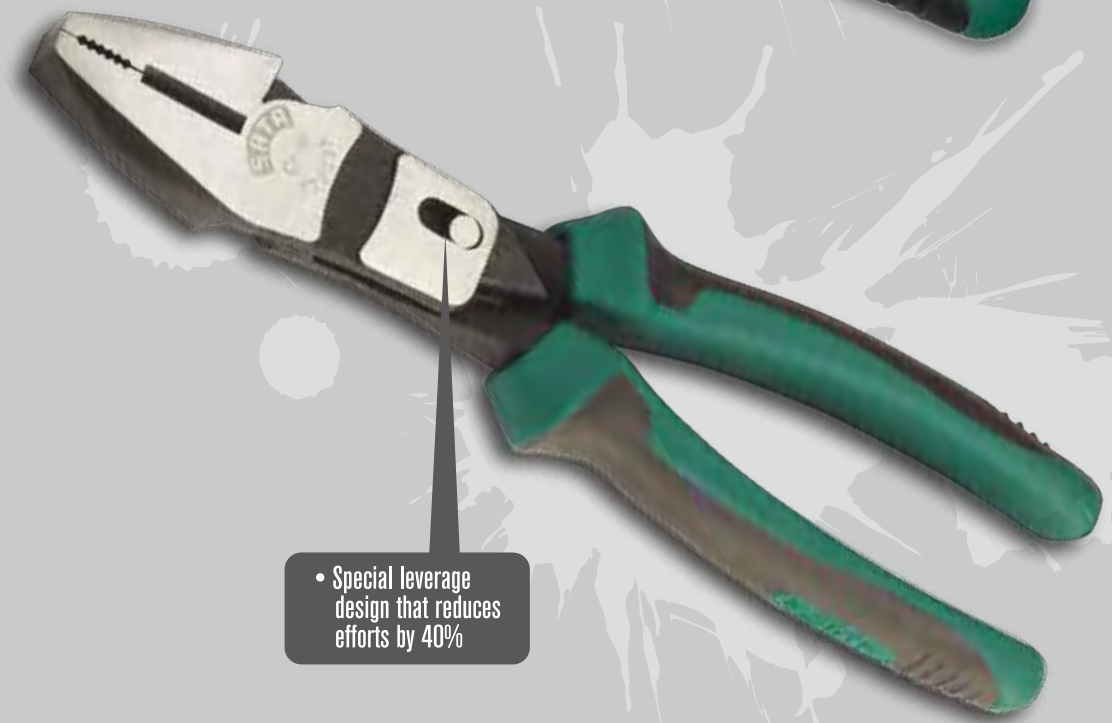


• Special treated cutting edge cut wire hardness up to HRC40

• Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

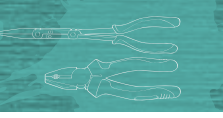
• TPE two-tone handle provides better holding comfort  
• Anti-slip and oil resistant

• Black finishing increase rust resistant



• Special leverage design that reduces efforts by 40%

# Pliers, Crimping Tool, Snips & Cutter



## 5 Pc. Combination Snap Ring Pliers Set

Cat. No.	Box	Case	G.W.
09251	6	48	15.7 kg

### CONTENTS:

- 1 - Snap Ring Pliers
- 1 - 1.2mm Straight Tip
- 1 - 1.4mm Straight Tip
- 1 - 45 Degree Tip
- 1 - 90 Degree Tip



## 3 Pc. VDE Insulated Pliers Set

Cat. No.	Box	Case	G.W.
09261	1	6	5 kg

### CONTENTS:

- 1 - 70333 8" VDE Insulated Linesman Pliers
- 1 - 70232 6" VDE Insulated Diagonal Pliers
- 1 - 70131 6" VDE Insulated Long Nose Pliers



## Long Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width	Box	Case	G.W.
70101A	6 in	165 mm	10 mm	20 mm	57 mm	6	36	8.6 kg
70102A	8 in	207 mm	12 mm	22.8 mm	57 mm	6	36	12 kg

Part No.	Size	Cutting Capacity(mm)
70101A	6"	Copper Wire Ø2.2, Iron Wire Ø2.0, Hard Wire Ø1.6
70102A	8"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0

ANSI B107.13M  
DIN 5236



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

## Diagonal Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width	Box	Case	G.W.
70201A	5 in	131 mm	9.8 mm	17 mm	54 mm	6	36	7.1 kg
70202A	6 in	161 mm	11.2 mm	18.5 mm	57 mm	6	36	9.2 kg
70203A	7 in	187 mm	13.8 mm	30 mm	57 mm	6	36	11.8 kg

Part No.	Size	Cutting Capacity(mm)
70201A	5"	Copper Wire Ø2.2, Iron Wire Ø2.0, Hard Wire Ø1.6
70202A	6"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0
70203A	7"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0

ANSI B107.11M  
DIN 5238



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Linesman Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70301A	6 in	154 mm	10 mm	23.5 mm	52 mm	6	36	9.6 kg
70302A	7 in	177 mm	10.5 mm	25 mm	55 mm	6	36	11.4 kg
70303A	8 in	208 mm	11.5 mm	28.5 mm	55 mm	6	36	15 kg

Part No.	Size	Cutting Capacity(mm)
70301A	6"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0
70302A	7"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0
70303A	8"	Copper Wire Ø2.6, Iron Wire Ø2.5, Hard Wire Ø2.3



ANSI B107.13M  
DIN 5236

- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Groove Joint Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Overall Width			G.W.
70411	8 in	208 mm	10 mm	48 mm	6	60	19.6 kg
70412	10 in	262 mm	11 mm	61 mm	3	24	12.3 kg
70413	12 in	321 mm	12 mm	68 mm	3	24	17 kg
70414	16 in	426 mm	17 mm	71 mm	2	12	26.9 kg

Part No.	Size	Pipe Dia(mm)
70411	8"	4-31
70412	10"	5-45
70413	12"	5-54
70414	16"	10-92



ANSI B107.23M  
DIN 5231

- Body is made of chrome vanadium steel
- AB style straight jaws

### Slip Joint Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70511	6 in	160 mm	9.5 mm	29 mm	55 mm	6	60	13.4 kg
70512	8 in	208 mm	10.5 mm	31 mm	55 mm	6	48	17.6 kg

Part No.	Size	Pipe Dia(mm)
70511	6"	5-30
70512	8"	6-36



ANSI B107.23M  
DIN 5231

- Body is made of chrome vanadium steel

### VDE Insulated Long Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70131	6 in	170 mm	9 mm	15.5 mm	56 mm	6	24	5.1 kg
70132	8 in	212 mm	9 mm	16.5 mm	58.6 mm	6	60	15.6 kg

Part No.	Size	Cutting Capacity(mm)
70131	6"	Medium Hard Wire Ø1.6
70132	8"	Medium Hard Wire Ø1.6



ANSI B107.13M  
DIN 5236

- VDE certified, meet IEC/EN 60900-2012 standard
- Surface with antirust ferro-nickel alloy steel coating
- Made of chrome vanadium steel for durability
- For use in high voltage areas, up to 1000V alternating current

### VDE Insulated Diagonal Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70232	6 in	170 mm	11.5 mm	21 mm	59 mm	6	60	15.5 kg
70233	7 in	191 mm	12.5 mm	30 mm	68 mm	6	48	18.5 kg

Part No.	Size	Cutting Capacity(mm)
70232	6"	Medium Hard Wire Ø1.6
70233	7"	Medium Hard Wire Ø2.0



ANSI B107.11M  
DIN 5238

- VDE certified, meet IEC/EN 60900-2012 standard
- Surface with antirust ferro-nickel alloy steel coating
- Made of chrome vanadium steel for durability
- For use in high voltage areas, up to 1000V alternating current

### VDE Insulated Linesman Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70331	6 in	171 mm	9.5 mm	26 mm	58 mm	6	60	15.7 kg
70332	7 in	184 mm	10 mm	28 mm	56 mm	6	48	16.2 kg
70333	8 in	212 mm	10 mm	30 mm	58 mm	6	24	9.9 kg

Part No.	Size	Cutting Capacity(mm)
70331	6"	Medium Hard Wire Ø1.6
70332	7"	Medium Hard Wire Ø2.0
70333	8"	Medium Hard Wire Ø2.0



ANSI B107.20M  
DIN 5244

- VDE certified, meet IEC/EN 60900-2012 standard
- Surface with antirust ferro-nickel alloy steel coating
- Made of chrome vanadium steel for durability
- For use in high voltage areas, up to 1000V alternating current



### Mini Linesman Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70611A	4 in	111.5 mm	6.5 mm	11 mm	11 mm	6	36	5.3 kg

ANSI B107.20M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Mini Long Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70612A	5 in	123.5 mm	6.5 mm	11 mm	11 mm	6	36	5.3 kg

ANSI B107.13M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Mini Bent Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70613A	5 in	123.5 mm	6.5 mm	11 mm	11 mm	6	36	5.3 kg

ANSI B107.13M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Mini Flat Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70614A	5 in	123.5 mm	6.5 mm	11 mm	11 mm	6	36	5.3 kg

ANSI B107.13M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Mini Diagonal Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70615A	4 in	110.5 mm	6.5 mm	11 mm	11 mm	6	36	5.3 kg

ANSI B107.11M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Mini End Cutting Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70616A	4 in	103.5 mm	13 mm	16.5 mm	16.5 mm	6	36	5.3 kg

ANSI B107.11M

Cutting Capacity(mm)
Copper Wire Ø1.5, Iron Wire Ø1.3, Medium Hard Wire Ø1.0



- Special treated cutting edge cut wire hardness up to HRC40
- Black finishing increase rust resistant
- TPE two-tone handle provides better holding comfort. Anti-slip and oil resistant
- Made of chrome-nickel steel. Gives 30% longer service life than CR-V steel

### Curved Jaw Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
70621ME	7 in	189 mm	13 mm	52 mm	52 mm	6	24	10 kg
70622ME	10 in	244 mm	21.2 mm	65.8 mm	65.8 mm	6	24	15 kg



- Made of chrome molybdenum alloy steel for exceptional strength and durability
- Angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Versatile curved jaw features integral wire cutter

### Curved Jaw Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71101	5 in	140 mm	6.4 mm	39.6 mm	40 mm	6	24	5.8 kg
71102	7 in	180 mm	7.1 mm	50.8 mm	60 mm	6	36	15.4 kg
71103	10 in	230 mm	9.7 mm	66.8 mm	65 mm	6	36	21.7 kg

FederalGGG-W-00649

Part No.	Size	Max Jaws Opening(mm)
71101	5"	25
71102	7"	42
71103	10"	48



- Versatile curved jaw features integral wire cutter
- Nickel-plated finish resists rust and corrosion
- Angled tooth pattern for better grip
- Made of chrome molybdenum alloy steel for exceptional strength and durability

### Straight Jaw Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71202	7 in	180 mm	11.2 mm	57.2 mm	60 mm	6	48	20.2 kg
71203	10 in	230 mm	16.0mm	66.8 mm	65 mm	6	36	22.9 kg

FederalGGG-W-00649

Part No.	Size	Max Jaws Opening(mm)
71202	7"	40
71203	10"	46



- Versatile curved jaw features integral wire cutter
- Nickel-plated finish resists rust and corrosion
- Angled tooth pattern for better grip
- Made of chrome molybdenum alloy steel for exceptional strength and durability

### Long Nose Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71301	6 in	155 mm	4.1 mm	39.6 mm	40 mm	6	24	6.1 kg
71302	9 in	215 mm	4.8 mm	50.8 mm	50 mm	6	12	5.6 kg

Part No.	Size	Max Cutter Opening(mm)	Max Jaws Opening(mm)
71301	6"	7	50
71302	9"	23	79



- Versatile curved jaw features integral wire cutter
- Nickel-plated finish resists rust and corrosion
- Angled tooth pattern for better grip
- Made of chrome molybdenum alloy steel for exceptional strength and durability

### Welding Clamp Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71401	9 in	198 mm	79.5 mm	68.7 mm	80 mm	6	12	9.4 kg

Part No.	Size	Depth(mm)	Max Jaws Opening(mm)
71401	9"	70	68



- Nickel-plated finish for rust resistant

### Metal Sheet Clamp Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71501	8 in	225 mm	79.5 mm	57.2 mm	70 mm	6	12	7.3 kg

Part No.	Size	Width(mm)	Max Jaws Opening(mm)
71501	8"	78.5	42



- Nickel-plated finish for rust resistant



### C-Clamps Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71601	11 in	280 mm	12.7 mm	139.7 mm	135 mm	6	12	10.9 kg

Part No.	Size	Depth(mm)	Max Jaws Opening(mm)
71601	11"	78	93



- Nickel-plated finish for rust resistant

### Chain Clamp Locking Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
71701	19 in	213 mm	5.8 mm	60.7 mm	60 mm	6	12	10.5 kg

Part No.	Size	Chain Length(mm)
71701	19"	485

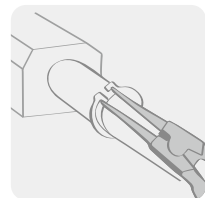


- Nickel-plated finish for rust resistant

### External Snap Ring Pliers, Straight

Cat. No.	Size	Circlip	Overall Length			G.W.
72001	7 in	19-60 mm	175 mm	6	36	8.1 kg

Part No.	Size	Dia(mm)
72001	7"	Ø1.8

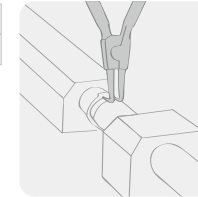


- Anti-rust black finishing
- Made of strong and durable tempering alloy-steel

### External Snap Ring Pliers, Curved

Cat. No.	Size	Circlip	Overall Length			G.W.
72002	7 in	19-60 mm	175 mm	6	36	7.9 kg

Part No.	Size	Dia(mm)
72002	7"	Ø1.8

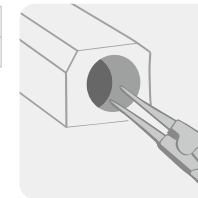


- Anti-rust black finishing
- Made of strong and durable tempering alloy-steel

### Internal Snap Ring Pliers, Straight

Cat. No.	Size	Circlip	Overall Length			G.W.
72004	7 in	19-60 mm	175 mm	6	36	7.2 kg

Part No.	Size	Dia(mm)
72004	7"	Ø1.8

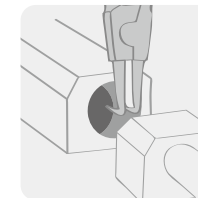


- Anti-rust black finishing
- Made of strong and durable tempering alloy-steel

### Internal Snap Ring Pliers, Curved

Cat. No.	Size	Circlip	Overall Length			G.W.
72005	7 in	19-60 mm	175 mm	6	36	7.2 kg

Part No.	Size	Dia(mm)
72005	7"	Ø1.8



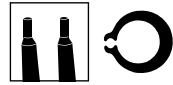
- Anti-rust black finishing
- Made of strong and durable tempering alloy-steel

### German Style External Snap Ring Pliers, Straight

Cat. No.	Size	Circlip	Overall Length	Overall Width			G.W.
72011	5 in	10-18 mm	142 mm	50 mm	6	36	6.4 kg
72012	7 in	19-60 mm	175 mm	51 mm	6	36	7.8 kg
72013	9 in	32-80 mm	228 mm	5.1 cm	6	36	12.5 kg
72014	13 in	80-140 mm	325 mm	5 cm	6	24	12.8 kg

Part No.	Size	Dia(±0.05)(mm)
72011	5"	1.25
72012	7"	1.75
72013	9"	2.15
72014	13"	2.95

DIN 5254



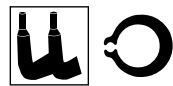
- Made of chrome vanadium steel for durability

### German Style External Snap Ring Pliers, Curved

Cat. No.	Size	Circlip	Overall Length	Overall Width			G.W.
72021	5 in	10-18 mm	134 mm	50 mm	6	36	6.4 kg
72022	7 in	19-60 mm	163 mm	51 mm	6	36	7.8 kg
72023	9 in	32-80 mm	213 mm	51 mm	6	36	12.4 kg
72024	13 in	80-140 mm	303 mm	50 mm	6	24	13.1 kg

Part No.	Size	Dia(±0.05)(mm)
72021	5"	1.25
72022	7"	1.75
72023	9"	2.15
72024	13"	2.95

DIN 5254



- Made of chrome vanadium steel for durability

### German Style Internal Snap Ring Pliers, Straight

Cat. No.	Size	Circlip	Overall Length	Overall Width			G.W.
72031	5 in	10-18 mm	141 mm	50 mm	6	36	5.6 kg
72032	7 in	19-60 mm	180 mm	51 mm	6	36	7.4 kg
72033	9 in	32-80 mm	230 mm	51 mm	6	24	7.4 kg
72034	13 in	80-140 mm	317 mm	50 mm	6	24	13.1 kg

Part No.	Size	Dia(±0.05)(mm)
72031	5"	1.25
72032	7"	1.75
72033	9"	2.15
72034	13"	2.95

DIN 5254



- Made of chrome vanadium steel for durability

### German Style Internal Snap Ring Pliers, Curved

Cat. No.	Size	Circlip	Overall Length	Overall Width			G.W.
72041	5 in	10-18 mm	133 mm	51 mm	6	36	5.7 kg
72042	7 in	19-60 mm	169 mm	51 mm	6	36	7.4 kg
72043	9 in	32-80 mm	215 mm	51 mm	6	36	11.7 kg
72044	13 in	80-140 mm	297 mm	50 mm	6	24	12.9 kg

Part No.	Size	Dia(±0.05)(mm)
72041	5"	1.25
72042	7"	1.75
72043	9"	2.15
72044	13"	2.95

DIN 5254



- Made of chrome vanadium steel for durability

### Extreme Leverage Linesman Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
72203A	8 in	215.5 mm	13.6 mm	31 mm	59 mm	6	36	16.3 kg

Cutting Capacity(mm)	
Copper Wire	Ø2.6, Iron Wire Ø2.5, Hard Wire Ø2.3

ANSI B107.20M  
DIN 5244



- Special leverage design that reduces efforts by 40%
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Handle grips are anti-slip and oil resistant
- Improved cutter design for longer wear with heat treated, hardened steel cutting edgesMade of chrome nickel steel for durability

### Extreme Leverage Diagonal Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
72302A	7 in	177 mm	12.6 mm	24 mm	59 mm	6	36	11.5 kg
72303A	8 in	202 mm	12.6 mm	30 mm	59 mm	6	36	14.8 kg

Part No.	Size	Cutting Capacity(mm)
72302A	7"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0
72303A	8"	Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0

ANSI B107.11M  
DIN 5238



- Special leverage design that reduces efforts by 40%
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Handle grips are anti-slip and oil resistant
- Improved cutter design for longer wear with heat treated, hardened steel cutting edgesMade of chrome nickel steel for durability



### Extreme Leverage Long Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
72402A	8 in	207.6 mm	12.6 mm	23.6 mm	59 mm	6	36	12.7 kg

ANSI B107.13M  
DIN 5236

Cutting Capacity(mm)
Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0

- Special leverage design that reduces efforts by 40%
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Handle grips are anti-slip and oil resistant
- Improved cutter design for longer wear with heat treated, hardened steel cutting edgesMade of chrome nickel steel for durability



### Extreme Leverage End Nipper Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
72503A	8 in	188.8 mm	26 mm	36 mm	59 mm	6	48	23.1 kg

Cutting Capacity(mm)
Copper Wire Ø2.6, Iron Wire Ø2.4, Hard Wire Ø2.0

- Special leverage design that reduces efforts by 40%
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Handle grips are anti-slip and oil resistant
- Improved cutter design for longer wear with heat treated, hardened steel cutting edgesMade of chrome nickel steel for durability



### Wire and Cable Cutting Pliers

Cat. No.	Size	Overall Length			G.W.
72501	6 in	150 mm	6	72	15.6 kg
72502	8 in	200 mm	6	36	13 kg
72503	10 in	250 mm	6	36	19.4 kg

Part No.	Size	Cutting Range(mm)
72501	6"	Ø9
72502	8"	Ø11
72503	10"	Ø13

- For cutting vinyl coated or copper cable



### End Cutting Pliers

Cat. No.	Size	Overall Length	Overall Width			G.W.
70601ME	6 in	158 mm	47 mm	10	80	21 kg
70602ME	8 in	199 mm	47 mm	10	40	18 kg



- Heavy duty, cutting edges treated with additional induction hardening
- Industrial finish, polished head
- Dipped handle

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Plastic Flush Cutting Pliers

Cat. No.	Size	Overall Length	Overall Width			G.W.
70641	5 in	130 mm	50 mm	6	36	4.3 kg
70642	6 in	161 mm	55 mm	6	36	7.5 kg
70643	7 in	182 mm	51 mm	6	36	9.9 kg

Part No.	Size	Cutting Range(mm)
70641	5"	ResinØ3
70642	6"	ResinØ5
70643	7"	ResinØ6

ANSI B107.11M

- Not for use in cutting metal material
- For cutting plastic/ vinyl coated cable
- Japanese-style curved blade with spring
- Body hardness HRC43-48; Blade hardness HRC56-62
- Made of chrome vanadium steel.

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Crimping Pliers for D-SUB Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91101	8 in	204 mm	67 mm	6	36	16.7 kg

AWG	Capacity
30-24	0.25-0.5MM <sup>2</sup>
22-18	0.65-1MM <sup>2</sup>

Crimping Shape:



- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector



### Crimping Pliers for European Cable Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91102	8 in	204 mm	67 mm	5	20	9.1 kg

AWG	Capacity
22-20	0.5-0.75MM <sup>2</sup>
18-16	1-1.5MM <sup>2</sup>
16-14	2.5MM <sup>2</sup>
14-12	4MM <sup>2</sup>
12-10	6MM <sup>2</sup>



Terminal Shape:

- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Crimping Pliers for Coaxial Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91104	9-1/2 in	204 mm	67 mm	5	30	19.3 kg

Crimping range
1.72MM <sup>2</sup> , 2.5MM <sup>2</sup> , 5.4MM <sup>2</sup> , 6.48MM <sup>2</sup> , 8.2MM <sup>2</sup>

Terminal Shape: Coaxial Cable



- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Crimping Pliers for Insulated Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91105	9 in	240 mm	67 mm	5	20	12 kg

AWG	Capacity
22-18	0.5-1MM <sup>2</sup>
16-14	1.1-2.5MM <sup>2</sup>
12-10	4-6MM <sup>2</sup>



Terminal Shape:

- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Crimping Pliers for Non-insulated Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91106	10-1/4 in	262 mm	76 mm	5	20	13 kg

AWG	Capacity
22-16	1.5MM <sup>2</sup>
16-12	2.5-4MM <sup>2</sup>
12-10	6-8MM <sup>2</sup>
8-6	10MM <sup>2</sup>



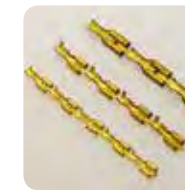
Terminal Shape:

- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Crimping Pliers for Non-insulated Terminals

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91107	9 in	228 mm	67 mm	5	30	18.8 kg

AWG	Capacity
22-18	0.5-1MM <sup>2</sup>
16-14	1.1-2.5MM <sup>2</sup>
12-10	4-6MM <sup>2</sup>



Terminal Shape:

- Adjustable locking mechanism easily controlled by pressing/release of handle
- Made of high carbon steel with glass fiber handle
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Crimping Pliers

Cat. No.	Size	Overall Length	Jaw Width			G.W.
91101ME	9 in	228 mm	67 mm	24	72	2 kg



- Crimper, screw cutter, wire cutter and wire stripper
- Strips any electrical wire from 0.75 to 6.0 mm<sup>2</sup>
- Cuts any electrical wire under 6.0 mm<sup>2</sup>
- Cushion grip
- Black oxide finishing for rust resistant

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Crimping Pliers for Telecom Connector

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
91109	9 in	230 mm	24 mm	46 mm	96 mm	6	24	14 kg

Crimping range
4P4C, 4P2C, 6P6C, 6P4C, 6P2C,
8P8C, 8P6C, 8P4C, 8P2C



- Wire strapping and cutting functions
- Made of high carbon steel with glass fiber handle
- Connector range from telephone and network connector, including 40, 6P and 8P
- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector

### Aviation Tin Snips, Left

Cat. No.	Size	Blade Length	Overall Length	Overall Width			G.W.
93101	10 in	40 mm	250 mm	77 mm	6	36	16.7 kg

ANSI B107.16M



- Non-slip cushion handle
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Induction hardened cutting edges 60-62 HRC
- Hardened HRC 55-60
- Made of chrome vanadium steel blades with serrated edges

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Aviation Tin Snips, Right

Cat. No.	Size	Blade Length	Overall Length	Overall Width			G.W.
93102	10 in	40 mm	250 mm	77 mm	6	36	16.9 kg

ANSI B107.16M



- Non-slip cushion handle
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Induction hardened cutting edges 60-62 HRC
- Hardened HRC 55-60
- Made of chrome vanadium steel blades with serrated edges

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Aviation Tin Snips, Straight

Cat. No.	Size	Blade Length	Overall Length	Overall Width			G.W.
93103	10 in	40 mm	250 mm	77 mm	6	36	17 kg
93104	11 in	80 mm	275 mm	77 mm	6	36	19.5 kg

ANSI B107.16M



- Non-slip cushion handle
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Induction hardened cutting edges 60-62 HRC
- Hardened HRC 55-60
- Made of chrome vanadium steel blades with serrated edges

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Self Adjusting Cutter Stripper

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width			G.W.
91108	6-1/2 in	170 mm	18.5 mm	80 mm	6	36	10.4 kg

Wire stripping range
Single wire or flat cable of diameter from 0.5~6.0mm



- Attention: Make appropriate protections for first time users who are uncertain on how to adjust the cutting edge to the right place.

### Wire Stripper with Cutter

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			G.W.
91201	6 in	155 mm	7.5 mm	51 mm	77 mm	6	48	8.6 kg
91202	7 in	183 mm	7.5 mm	60 mm	77 mm	6	48	9.8 kg

Part No.	Size	AWG	Capacity
91201	6"	20-30	0.52-0.05MM <sup>2</sup>
91202	7"	10-22	0.32-5.26MM <sup>2</sup>

- Body is made of high carbon steel
- Plastic handle for comfortable use
- Circlip design for convenient storage
- Accurate wire stripping pin for easy cutting of insulated surface without damaging the inner wire



### Wire Stripper

Cat. No.	Size	Overall Length			G.W.
91108ME	7 in	204 mm	12	144	9.4 kg



- Drop forged, heat treated steel
- Hardened cutting blade
- Adjustable from 10-24 gauge
- Spring action handle
- Wire looping hole
- Black oxide finishing for rust resistant

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Automatic Wire Stripper Type A

Cat. No.	Size	Overall Length			G.W.
91212	7 in	204 mm	6	24	9.4 kg

Wire capacity
Ø0.5, 1.2, 1.6, 2.0MM

- In accordance to QB/T2207-1996 manufacturing standard
- Provide accurate wire stripping function without damaging the inner wire

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Automatic Wire Stripper Type B

Cat. No.	Size	Overall Length			G.W.
91213	7 in	204 mm	6	24	9.3 kg

Wire capacity
Ø1, 1.6, 2, 2.6, 3.2MM

- In accordance to QB/T2207-1996 manufacturing standard
- Provide accurate wire stripping function without damaging the inner wire

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Straight Pattern Tinner's Snips

Cat. No.	Size	Blade Length	Overall Length	Overall Width			G.W.
93302	8 in	40 mm	205 mm	87 mm	6	48	17 kg
93303	10 in	60 mm	254 mm	105 mm	6	36	20 kg
93304	12 in	70 mm	305 mm	110 mm	6	24	17 kg
93305	14 in	90 mm	355 mm	110 mm	6	24	20.5 kg
93306	16 in	100 mm	425 mm	145 mm	0	10	19 kg

ANSI B107.16M

Part No.	Size	Cold rolling iron sheet	Stainless steel sheet
93302	8"	0.61MM	0.41MM
93303	10"	0.78MM	0.45MM
93304	12"	0.91MM	0.63MM
93305	14"	1.2MM	0.7MM
93306	16"	1.6MM	1MM

- Bulldog pattern snips for trimming extra heavy stock
- Cutting edges induction hardened to HRC 58-60
- One-piece drop forged construction

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Bolt Cutter

Cat. No.	Size	Overall Length	Overall Width			G.W.
93501	8 in	212.5 mm	63.5 mm	6	60	19.6 kg

ANSI B107.16M

Cutting Capacity(mm)
Low Carbon Steel Ø3.17(1/8"), Medium Carbon Steel Ø3.17(1/8")

- Cut soft, medium or hard material
- Drop-forged precision ground alloy steel jaws with center-cut bladesGeneral plant maintenance tool

Do not cut medium or high carbon steel with HRC>35. Do not twist or pry with tool while cutting. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.





### Bolt Cutter

Cat. No.	Size	Overall Length	Overall Width			G.W.
93502	12 in	325 mm	139 mm	1	4	3.4 kg
93503	14 in	370 mm	140 mm	1	4	4.1 kg
93504	18 in	470 mm	141 mm	1	4	6.4 kg
93505	24 in	634 mm	160 mm	1	4	10.1 kg
93506	30 in	765 mm	180 mm	1	4	16 kg
93507	36 in	917 mm	190 mm	1	4	21 kg
93508	42 in	1053 mm	210 mm	1	2	17.7 kg
93509	48 in	1213 mm	250 mm	1	2	25.2 kg

ANSI B107.16M

Part No.	Size	Cutting Capacity(mm)
93502	12"	Low Carbon Steel Ø5(3/16"), Medium Carbon Steel Ø4(5/12")
93503	14"	Low Carbon Steel Ø7(1/4"), Medium Carbon Steel Ø5(3/16")
93504	18"	Low Carbon Steel Ø8(5/16"), Medium Carbon Steel Ø6(1/4")
93505	24"	Low Carbon Steel Ø10(3/8"), Medium Carbon Steel Ø8(5/16")
93506	30"	Low Carbon Steel Ø13(1/2"), Medium Carbon Steel Ø10(3/8")
93507	36"	Low Carbon Steel Ø16(5/8"), Medium Carbon Steel Ø12(7/16")
93508	42"	Low Carbon Steel Ø19(3/4"), Medium Carbon Steel Ø14(9/16")
93509	48"	Low Carbon Steel Ø22(7/8"), Medium Carbon Steel Ø16(5/8")



- Cut soft, medium or hard material
- Drop-forged precision ground alloy steel jaws with center-cut blades

Do not cut medium or high carbon steel with HRC>35. Do not twist or pry with tool while cutting. Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Tubing Cutter

Cat. No.	Cutting Range	Overall Length	Overall Width			G.W.
97301	3-30 mm	245 mm	210 mm	12	60	15.7 kg
97302	3-32 mm	245 mm	210 mm	12	60	19.6 kg



- Keep the wheel away from the blade and maintains with lubricants regularly
- Feed knob contains backup blades
- Applicable blade size: 3x18 mm

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Tubing Cutter

Cat. No.	Cutting Range	Overall Length	Overall Width			G.W.
97303	6-64 mm	300 mm	140 mm	6	24	16.7 kg



- Keep the wheel away from the blade and maintains with lubricants regularly
- Feed knob contains backup blades
- Applicable blade size: 3x18 mm

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### PVC Tubing Cutter

Cat. No.	Cutting Range	Overall Length	Overall Width			G.W.
97304	3-42 mm	280 mm	135 mm	6	48	18.6 kg



- Heat treatment on stainless steel blade for durability
- For cutting PVC tubes only
- Handle lock for safety

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Mini Tubing Cutter

Cat. No.	Cutting Range	Overall Length	Overall Width			G.W.
97305	3-16 mm	197 mm	155 mm	12	120	17 kg



- Suitable for narrow space
- Applicable blade size: 6.2°18 mm, 6.2°22 mm

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 2 Pc. PVC Tube Cutter Blades

Cat. No.	Size	Overall Length	Overall Width			G.W.
97311	3x18 mm	19.7 cm	15.5 cm	12	240	6 kg



- Spare blade for 97301, 97302 and 97305 tubing cutter
- For cutting copper, aluminum, brass and thin wall tubing
- Made of hardened alloy steel

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

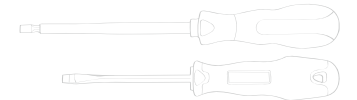
### 2 Pc. PVC Tube Cutter Blades

Cat. No.	Size	Overall Length	Overall Width			G.W.
97312	6.2x18 mm, 6.2x22 mm	19.7 cm	15.5 cm	12	240	7 kg



- Made of hardened alloy steel
- For cutting copper, aluminum, brass and thin wall tubing
- Spare blade for 97303 tubing cutter

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



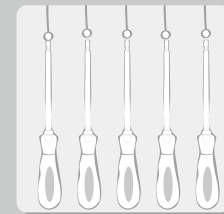
## Insulated Screwdriver



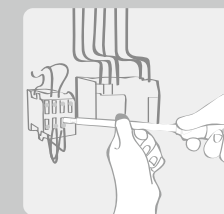
• Blade is made of high performance chrome vanadium molybdenum alloy steel, fully harden and tempered to provide maximum strength and durability

• Individually tested to 10,000 volts and rated up to 1000 volts for safety. Meet DIN standards and GS / VDE certified

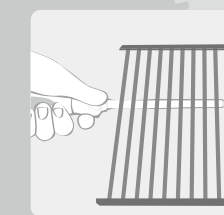
• Ergonomic dual material (PP+TPR) handle for comfort and strength. Oil and solvent resistant



Every single handle is individually tested for maximum safety performance.



Suitable for working on live circuits of 1000V.



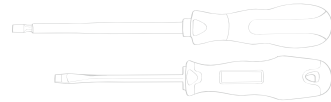
Slim tip design accesses fasteners in tight areas faster and easier.



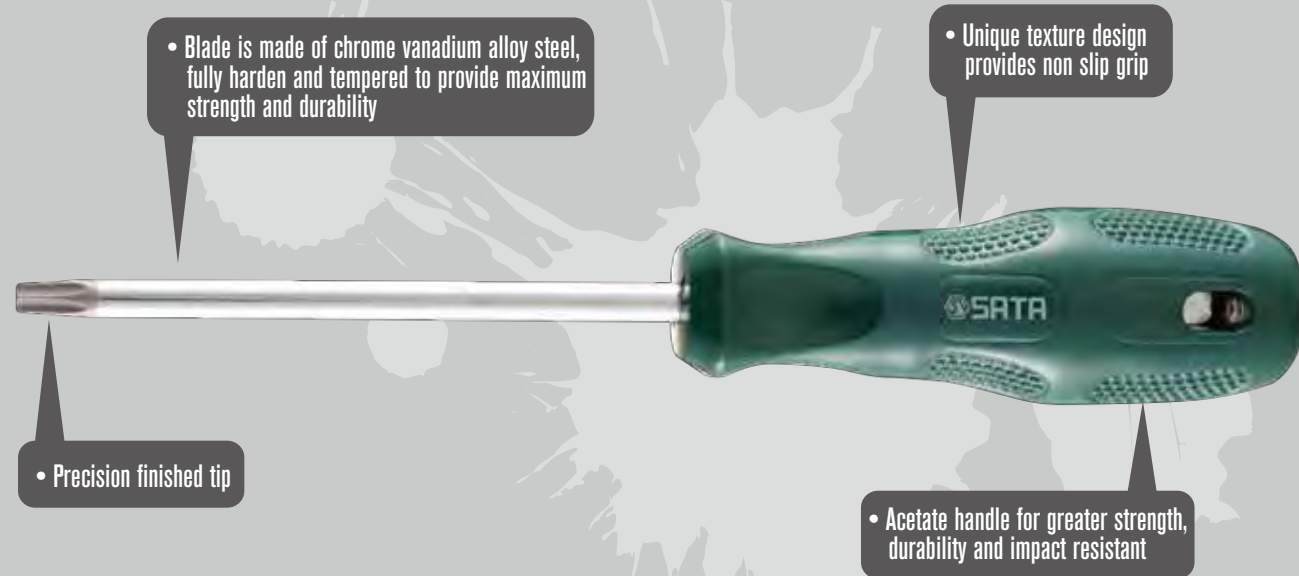
Always clean the tools after usage. It is important to keep the tools clean and dry both in use and when storing the tools. Check the tools on a regular basis and if there is any sign of damage or wear on insulation layer, the tool should be replaced.



## Screwdriver & Nut Driver



# Acetate Screwdriver



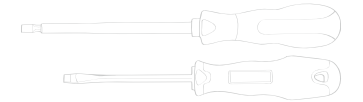
• Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability

• Unique texture design provides non slip grip

• Precision finished tip

• Acetate handle for greater strength, durability and impact resistant

## Screwdriver & Nut Driver



# P-Series Screwdriver



• Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability

• Precision finished tip

• Ergonomic polypropylene handle for comfort and performance

# Cushion Grip Screwdriver



• Blade is made of S2 steel, fully harden and tempered to provide maximum strength and durability

• Go-through design for "tapping" the head of the screw

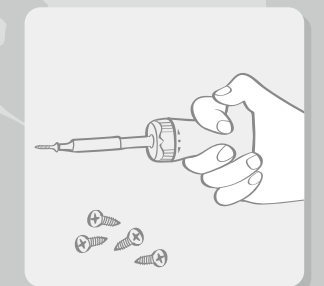
• Magnetic tip for greater fastener control. Precision finished tip

• Ergonomic dual material (PP+TPR) handle for comfort and strength. Oil and solvent resistant

# Ratcheting Screwdriver



• Interchange shaft system  
 • High torque ratcheting design  
 • Fine tooth with 8° movement  
 • Ergonomic dual material helps reduce fatigue and improve grip and torque



### 7 Pc. G-series VDE Insulated Screwdriver Set

Cat. No.	0	4	G.W.
09301A			2.4 kg

**CONTENTS:**  
 PHILLIPS - #0x60 mm, #1x80 mm, #2x100 mm  
 SLOTTED - 2.5x75 mm, 4x100 mm, 5.5x125 mm, 6.5x150 mm



- Imported bicolor material Patented triangular handle has greater torque output, more comfortable touch, and better oil resistance and wear resistance
- Imported alloy steel shank with overall heat treatment and tips with phosphate processing to ensure the function end size more accurate
- Individually tested to 10,000 volts and rated up to 1000 volts for safety

### 7 Pc. T-series VDE Insulated Screwdriver Set

Cat. No.	0	10	G.W.
09303			7.9 kg

**CONTENTS:**  
 PHILLIPS - #0x60mm, #1x80mm, #2x100mm  
 SLOTTED - 2.5x75mm, 4.0x100mm, 5.5x125mm, 6.5x150mm



- Imported bicolor material Patented triangular handle has greater torque output, more comfortable touch, and better oil resistance and wear resistance
- Imported alloy steel shank with overall heat treatment and tips with phosphate processing to ensure the function end size more accurate
- Individually tested to 10,000 volts and rated up to 1000 volts for safety

### 6 Pc. Acetate Combination Screwdriver Set

Cat. No.	0	5	G.W.
09303E			7.6 kg

**CONTENTS:**  
 PHILLIPS - #0x75mm, #1x100mm, #2x100mm  
 SLOTTED - 3.2x75mm, 5x75mm, 6x100mm



### 10 Pc. Acetate Combination Screwdriver Set

Cat. No.	0	4	G.W.
09304E			9 kg

**CONTENTS:**  
 PHILLIPS - #1x100 mm, #2x38 mm, #2x100 mm  
 #2x150mm, #3x150 mm  
 SLOTTED - 5x75 mm, 6x38 mm, 6x100 mm  
 6x150 mm, 8x150 mm



### 8 Pc. Acetate Torx® Screwdriver Set

Cat. No.	0	5	G.W.
09305			6.2 kg

**CONTENTS:**  
 TORX® - T8x75 mm, T10x100 mm, T15x100 mm, T20x100 mm, T25x100 mm, T27x100 mm  
 T30x100 mm, T40x100 mm



### 8 Pc. Acetate Combination Screwdriver Set

Cat. No.	0	5	G.W.
09306			6.1 kg

**CONTENTS:**  
 PHILLIPS - #1x75mm, #2x38mm, #2x100mm, #2x150mm  
 SLOTTED - 5x75mm, 6x38mm, 6x100mm, 6x150mm



### 6 Pc. Cushion Grip Combination Screwdriver Set

Cat. No.	0	6	G.W.
09309			7.6 kg

**CONTENTS:**  
 PHILLIPS - #1x75mm, #2x100mm, #2x150mm  
 SLOTTED - 5x75mm, 5x100mm, 6x150mm



### 8 Pc. P-series Torx® Screwdriver Set

Cat. No.	0	5	G.W.
09307			5.7 kg

**CONTENTS:**  
 TORX® - T8x75 mm, T10x100 mm, T15x100 mm, T20x100 mm, T25x100 mm, T27x100 mm,  
 T30x100 mm, T40x100 mm





**8 Pc. P-series Combination Screwdriver Set**

Cat. No.			G.W.
09308	0	5	5.7 kg

**CONTENTS:**  
 PHILLIPS - #2x38 mm, #1x75 mm, #2x100 mm, #2x150 mm  
 SLOTTED - 6x38 mm, 5x75 mm, 6x100 mm, 6x150 mm



**6 Pc. Combination Screwdriver Set**

Cat. No.			G.W.
09304ME	5	30	15 kg

**CONTENTS:**  
 Slotted - 5x75mm, 5x150mm, 6x100mm, 6x150mm  
 Phillips - #1x100mm, #2x100mm



Nature of this product is subject to wear and tear upon usage.  
 Not covered under Lifetime Warranty.

**6 Pc. Precision Combination Screwdriver Set**

Cat. No.			G.W.
09312	6	24	10.4 kg

**CONTENTS:**  
 PHILLIPS - #0x50 mm, #00x50 mm  
 SLOTTED - 1.4x50 mm, 2.0x50 mm, 2.4x50 mm, 3.0x50 mm



**6 Pc. Precision Torx® Screwdriver Set**

Cat. No.			G.W.
09313	6	24	10.3 kg

**CONTENTS:**  
 TORX® - T6x 50 mm, T7x50 mm, T8x50 mm, T9x50 mm, T10x50 mm, T15x50 mm



**8 Pc. Combination Screwdriver Set**

Cat. No.			G.W.
09305ME	5	30	20 kg

**CONTENTS:**  
 Slotted - 3x75mm, 5x100mm, 6x38mm, 6x150mm  
 Phillips - #0x75mm, #1x75mm, #2x38mm, #2x150mm



Nature of this product is subject to wear and tear upon usage.  
 Not covered under Lifetime Warranty.

**6 Pc. Precision Slotted Screwdriver Set**

Cat. No.			G.W.
09311	6	24	10.1 kg

**CONTENTS:**  
 SLOTTED - 1.0x40 mm, 1.4x50 mm, 2.0x50 mm, 2.4x50 mm, 3.0x50 mm, 3.5x50 mm



**7 Pc. Precision Combination Screwdriver Set**

Cat. No.			G.W.
09314	6	24	10.7 kg

**CONTENTS:**  
 PHILLIPS - #00x40 mm, #00x50 mm, #0x50 mm  
 SLOTTED - 1.4x50 mm, 2.0x50 mm, 2.4x50 mm, 3.0x50 mm



**7 Pc. Precision Torx® Screwdriver Set**

Cat. No.			G.W.
09315	6	24	10.8 kg

**CONTENTS:**  
 TORX® - T5x50 mm, T6x50 mm, T7x50 mm, T8x50 mm, T9x50 mm, T10x50 mm, T15x50 mm





### 9 Pc. Precision Combination Screwdriver Set

Cat. No.			G.W.
09316	6	12	6.2 kg

**CONTENTS:**  
 PHILLIPS - #00x40 mm, #00x75 mm, #0x75 mm, #1x100 mm  
 SLOTTED - 1.0x40 mm, 2.0x50 mm, 2.4x75 mm, 3.0x75 mm, 4.0x100 mm



### 15 Pc. Precision Combination Screwdriver Set

Cat. No.			G.W.
09317	6	12	7.1 kg

**CONTENTS:**  
 PHILLIPS - #00x40mm, #0x50mm, #00x50mm  
 SLOTTED - 1.0x40mm, 2.0x50mm, 3.0x50mm, 3.5x50mm  
 TORX® - T6x50mm, T8x50mm, T10x50mm, T15x50mm  
 H E X - 1.5x50mm, 2.0x50mm, 2.5x50mm, 3.0x50mm



### 6 Pc. Precision Combination Screwdriver Set

Cat. No.			G.W.
09307ME	10	40	11 kg

**CONTENTS:**  
 Slotted - 1.4x50mm, 2.0x50mm, 3.0x50mm  
 Phillips - #00x50mm, #0x50mm, #1x50mm



### 24 Pc. Ratcheting T-handle Screwdriver Set

Cat. No.			G.W.
09341	0	8	5 kg

**CONTENTS:**  
 1 - T-Handle Ratcheting Screwdriver  
 1 - 1/4" x 1/4"Dr. Extension 6"  
 1 - 1/4" x 1/4"Dr. Flex Extension 6"  
 1 - 1/4"Dr. Bit Adapter  
 20 - Bits



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

Zip bag and screwdriver bits are not covered under Lifetime Warranty.

### 25 Pc. Ratcheting Stubby Screwdriver Set

Cat. No.			G.W.
09342	0	8	4.9 kg

**CONTENTS:**  
 1 - Stubby Ratcheting Screwdriver  
 1 - Magnetic Bit Holder 3-1/2"  
 1 - 1/4" x 1/4"Dr. Extension 3-1/2"  
 1 - 1/4" x 1/4"Dr. Flex Extension 6"  
 1 - 1/4"Dr. Bit Adapter  
 20 - Bits



Zip bag and screwdriver bits are not covered under Lifetime Warranty.

### 26 Pc. Ratcheting Screwdriver Set

Cat. No.			G.W.
09343	0	6	5.6 kg

**CONTENTS:**  
 1 - Standard Ratcheting Screwdriver  
 1 - 1/4" x 1/4"Dr. Extension 3-1/2"  
 1 - 1/4" x 1/4"Dr. Extension 6"  
 1 - 1/4" x 1/4"Dr. Extension 10"  
 1 - 1/4" x 1/4"Dr. Flex Extension 6"  
 1 - 1/4"Dr. Bit Adapter  
 20 - Bits



Zip bag and screwdriver bits are not covered under Lifetime Warranty.

### 60 Pc. 1/4" Drive 6 Point Socket and Ratcheting Bit Driver Set

Cat. No.			G.W.
09324	0	6	10 kg

**CONTENTS:**  
 14 - 6pt. Metric Sockets  
 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm  
 28 - 25L Bits  
 Phillips #0, #1, #2, #3  
 Slotted 3, 4, 5.5, 6.5mm  
 Hex 2, 2.5, 3, 4, 5, 6mm  
 Torx® T10, T15, T20, T25, T27, T30, T40  
 Tamper Torx® T10, T15, T20, T25, T27, T30, T40  
 12 - 50L Bits  
 Phillips #1, #2, #3  
 Slotted 4, 5.5, 6.5mm  
 Hex 4, 5, 6mm  
 Torx® T15, T20, T25  
 6 - Accessories  
 25L Adapter Bit for Socket  
 50L Adapter Bit for Socket  
 50L Magnetic Bit Holder 60mm  
 Ratcheting Bit Driver  
 Flex Extension  
 Bit Adapter



Ratcheting Bit Driver and Bits are not covered under Lifetime Warranty.



80 Pc. Ratcheting Bit Driver Set

Cat. No.			G.W.
09326	0	6	9 kg

**CONTENTS:**  
 33 - 25L Bits  
 Phillips #0, #1, #2(2pc), #3  
 Slotted 3, 4, 5, 5.5, 6, 6.5mm  
 Hex 2, 2.5, 3, 4, 5, 6mm  
 Torx® T8, T10, T15, T20, T25, T27, T30, T40  
 Tamper Torx® T8, T10, T15, T20, T25, T27, T30, T40  
 32 - 50L Bits  
 Phillips #0, #1, #2, #3  
 Slotted 3, 4, 5, 5.5, 6, 6.5mm  
 Hex 2, 2.5, 3, 4, 5, 6mm  
 Torx® T8, T10, T15, T20, T25, T27, T30, T40  
 Tamper Torx® T8, T10, T15, T20, T25, T27, T30, T40  
 8 - 65L Double End Bits  
 PH1-PH1, PH2-PH2, PH3-PH3,  
 4.5mm-PH1, 5.5mm-PH2, 6.5mm-PH3,  
 PH1-PH2, PH2-PH3  
 3 - 110L Double End Bits  
 PH1-PH1, PH2-PH2, PH3-PH3  
 4 - Accessories  
 25L Adapter Bit for Socket  
 50L Adapter Bit for Socket  
 50L Magnetic Bit Holder 60mm  
 Ratcheting Bit Driver



Ratcheting Bit Driver and Bits are not covered under Lifetime Warranty.



Acetate Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle		G.W.
				Diameter		
62202	3.2 mm	75.0 mm	146 mm	23.0 mm		4.8 kg
62203	3.2 mm	100.0 mm	172 mm	23.0 mm		19.3 kg
62204	3.2 mm	150.0 mm	221 mm	23.0 mm		23.3 kg
62205	3.2 mm	200.0 mm	271 mm	23.0 mm		20.1 kg
62207	5.0 mm	75.0 mm	165 mm	28.0 mm		19 kg
62208	5.0 mm	100.0 mm	190 mm	28.0 mm		20.4 kg
62209	5.0 mm	150.0 mm	240 mm	28.0 mm		17.8 kg
62210	5.0 mm	200.0 mm	290 mm	28.0 mm		20.7 kg
62211	6.0 mm	38.0 mm	99 mm	35.0 mm		19.8 kg
62212	6.0 mm	100.0 mm	202 mm	32.0 mm		14.2 kg
62213	6.0 mm	150.0 mm	252 mm	32.0 mm		16.1 kg
62214	6.0 mm	200.0 mm	312 mm	32.0 mm		17.9 kg
62215	6.0 mm	250.0 mm	352 mm	32.0 mm		19.8 kg
62216	8.0 mm	150.0 mm	260 mm	35.0 mm		20 kg
62217	8.0 mm	200.0 mm	312 mm	35.0 mm		17.1 kg

ANSI B107.15  
DIN 5265



Acetate Screwdrivers - Phillips

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle		G.W.
				Diameter		
62302	#0	75.0 mm	146 mm	23.0 mm		18.2 kg
62303	#0	100.0 mm	221 mm	23.0 mm		20.7 kg
62304	#0	150.0 mm	222 mm	23.0 mm		21.1 kg
62305	#0	200.0 mm	272 mm	23.0 mm		19.5 kg
62307	#1	75.0 mm	166 mm	28.0 mm		19.1 kg
62308	#1	100.0 mm	190 mm	28.0 mm		20.5 kg
62309	#1	150.0 mm	240 mm	28.0 mm		18.6 kg
62310	#1	200.0 mm	288 mm	28.0 mm		20.1 kg
62311	#2	38.0 mm	99 mm	35.0 mm		19.5 kg
62312	#2	100.0 mm	202 mm	32.0 mm		14.3 kg
62313	#2	150.0 mm	250 mm	32.0 mm		16 kg
62314	#2	200.0 mm	312 mm	32.0 mm		17.9 kg
62315	#2	250.0 mm	352 mm	32.0 mm		19.7 kg
62316	#3	150.0 mm	260 mm	35.0 mm		20.2 kg
62317	#3	200.0 mm	312 mm	35.0 mm		17.2 kg

ANSI B107.15  
DIN 5262



Acetate Screwdrivers - Torx®

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter	⊠	⊠	
61108	T8	75.0 mm	147 mm	23.0 mm	12	600	19.6 kg
61101	T10	100.0 mm	190 mm	28.0 mm	12	300	20.6 kg
61102	T15	100.0 mm	190 mm	28.0 mm	12	300	20.5 kg
61103	T20	100.0 mm	190 mm	28.0 mm	12	300	20.7 kg
61104	T25	100.0 mm	312 mm	32.0 mm	12	216	21.4 kg
61105	T27	100.0 mm	202 mm	32.0 mm	12	216	21 kg
61106	T30	100.0 mm	202 mm	32.0 mm	12	216	21.5 kg
61107	T40	100.0 mm	212 mm	35.0 mm	6	150	22 kg

ANSI B107.15  
DIN 5264



- Acetate handle for greater strength, durability and impact resistant
- Precision finished tip Unique texture design provides non slip grip
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability

Acetate Nutdrivers

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter	⊠	⊠	
61501	5 mm	75.0 mm	187 mm	35.0 mm	12	144	15.5 kg
61502	6 mm	75.0 mm	187 mm	35.0 mm	12	144	17.7 kg
61503	7 mm	75.0 mm	187 mm	35.0 mm	12	144	17.4 kg
61504	8 mm	75.0 mm	187 mm	35.0 mm	12	144	17.2 kg
61505	9 mm	75.0 mm	187 mm	35.0 mm	12	144	17.2 kg
61506	10 mm	75.0 mm	187 mm	35.0 mm	6	144	21.5 kg
61507	11 mm	75.0 mm	187 mm	35.0 mm	6	144	21.4 kg
61508	12 mm	75.0 mm	187 mm	35.0 mm	6	144	20.7 kg

ANSI B107.15  
DIN 5264



- Acetate handle for greater strength, durability and impact resistant
- Shank made of premium CRV steel with strong magnetic tip.

1/4" Hex Shank Bit Driver

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter	⊠	⊠	
61002	1/4 in	100 mm	212 mm	35.0 mm	6	150	20.8 kg

ANSI B107.15  
DIN 5264



- Magnetic shack to ensure bits will not slip off easily
- Dedicated to connect 1/4" series bits

1/4" Hex Shank Pistol Grip Ratcheting Bit Driver

Cat. No.	Size	⊠	⊠	G.W.
61003	1/4 in x 100 mm	6	36	6.7 kg

ANSI B107.15  
DIN 5264



- Handle can storage bit or magnetic bar
- Ergonomic handle design for soft and comfortable grip. Soft plastic material for anti-slip function
- With magnetic to prevent bit drop off when operating
- Three steering function: fixed / forward / reverse
- High torque: shank made of chrome vanadium alloy steel

Cushion Grip Go-through Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter	⊠	⊠	
61603	6.0 mm	100.0 mm	220 mm	34.0 mm	6	48	7.3 kg
61605	6.0 mm	150.0 mm	269 mm	34.0 mm	6	48	8 kg
61606	8.0 mm	150.0 mm	280 mm	38.0 mm	6	48	11.7 kg
61607	8.0 mm	200.0 mm	330 mm	38.0 mm	6	48	12.8 kg
61608	8.0 mm	250.0 mm	380 mm	38.0 mm	6	48	14 kg

ANSI B107.15  
DIN 5264



- Hex shank for better strength
- Go-through design for "tapping" the head of the screw



Cushion Grip Go-through Screwdrivers - Phillips

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61703	#2	100.0 mm	220.0 mm	34.0 mm	6	48	7.4 kg
61705	#2	150.0 mm	269.0 mm	34.0 mm	6	48	8 kg
61706	#3	150.0 mm	280.0 mm	38.0 mm	6	24	5.9 kg
61707	#3	200.0 mm	330.0 mm	38.0 mm	6	24	6.5 kg
61708	#3	250.0 mm	380.0 mm	38.0 mm	6	24	7.1 kg

ANSI B107.15  
DIN 5264



- Hex shank for better strength
- Go-through design for "tapping" the head of the screw

Cushion Grip Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
63402	3.0 mm	75.0 mm	160.0 mm	25.0 mm	12	48	1.7 kg
63403	3.0 mm	100.0 mm	185.0 mm	25.0 mm	12	48	1.9 kg
63404	3.0 mm	150.0 mm	235.0 mm	25.0 mm	6	24	1.2 kg
63405	3.0 mm	200.0 mm	286.0 mm	25.0 mm	12	24	1.1 kg
63407	5.0 mm	75.0 mm	180.0 mm	31.0 mm	12	48	3.5 kg
63408	5.0 mm	100.0 mm	205.0 mm	31.0 mm	12	48	3.7 kg
63409	5.0 mm	150.0 mm	255.0 mm	31.0 mm	6	36	3.2 kg
63410	5.0 mm	200.0 mm	305.0 mm	31.0 mm	12	24	2.4 kg
63411	6.0 mm	38.0 mm	98.0 mm	37.0 mm	12	24	1.5 kg
63412	6.0 mm	100.0 mm	217.0 mm	35.0 mm	12	48	5 kg
63413	6.0 mm	150.0 mm	267.0 mm	35.0 mm	12	48	5.6 kg
63414	6.0 mm	200.0 mm	317.0 mm	35.0 mm	6	36	4.9 kg
63415	6.0 mm	250.0 mm	367.0 mm	35.0 mm	6	24	3.7 kg
63416	8.0 mm	150.0 mm	276.0 mm	38.0 mm	12	24	3.7 kg
63417	8.0 mm	200.0 mm	326.0 mm	38.0 mm	12	24	4.3 kg

ANSI B107.15  
DIN 5265



- Ergonomic dual material (PP+TPR) handle for comfort and strength. Oil and solvent resistant
- Magnetic tip for greater fastener control. Precision finished tip
- Blade is made of S2 steel, fully hardened and tempered to provide maximum strength and durability

Cushion Grip Screwdrivers - Phillips

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
63502	#0	75.0 mm	160.0 mm	25.0 mm	12	48	1.8 kg
63503	#0	100.0 mm	185.0 mm	25.0 mm	6	36	1.6 kg
63504	#0	150.0 mm	235.0 mm	25.0 mm	6	24	1.2 kg
63505	#0	200.0 mm	286.0 mm	25.0 mm	12	24	1 kg
63507	#1	75.0 mm	180.0 mm	31.0 mm	12	48	3.4 kg
63508	#1	100.0 mm	205.0 mm	31.0 mm	12	48	3.6 kg
63509	#1	150.0 mm	255.0 mm	31.0 mm	6	36	3.3 kg
63510	#1	200.0 mm	305.0 mm	31.0 mm	12	24	2.3 kg
63511	#2	38.0 mm	98.0 mm	37.0 mm	6	24	1.6 kg
63512	#2	100.0 mm	217.0 mm	35.0 mm	12	48	5 kg
63513	#2	150.0 mm	267.0 mm	35.0 mm	12	48	5.6 kg
63514	#2	200.0 mm	317.0 mm	35.0 mm	12	48	6.2 kg
63515	#2	250.0 mm	367.0 mm	35.0 mm	6	24	3.7 kg
63516	#3	150.0 mm	276.0 mm	38.0 mm	12	24	4.1 kg
63517	#3	200.0 mm	326.0 mm	38.0 mm	12	24	4.5 kg

ANSI B107.15  
DIN 5262



- Ergonomic dual material (PP+TPR) handle for comfort and strength. Oil and solvent resistant
- Magnetic tip for greater fastener control. Precision finished tip
- Blade is made of S2 steel, fully hardened and tempered to provide maximum strength and durability

Cushion Grip Reversible Screwdriver

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
66202	#2&1.2X6.5	38.0 mm	98.0 mm	37.0 mm	6	36	2.5 kg
66203	#1&1.0X5.5	100.0 mm	220.0 mm	35.0 mm	6	24	2.9 kg
66204	#2&1.2X6.5	100.0 mm	220.0 mm	35.0 mm	6	24	2.9 kg
66205	#1&1.0X5.5	150.0 mm	270.0 mm	35.0 mm	6	24	3.2 kg
66206	#2&1.2X6.5	150.0 mm	270.0 mm	35.0 mm	6	24	3.3 kg

ANSI B107.15  
DIN 5264



- Ergonomic dual material (PP+TPR) handle for comfort and strength. Oil and solvent resistant
- Blade is made of S2 steel with overall heat treatment. Tips with chrome plating for more accurate size and better anti-rust ability

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### G-series VDE Insulated Screwdrivers - Phillips

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61211	#0	60.0 mm	148.0 mm	25.0 mm	10	500	18.9 kg
61212	#1	80.0 mm	188.0 mm	25.0 mm	10	280	20.4 kg
61213	#2	100.0 mm	208.0 mm	34.0 mm	10	220	20.2 kg
61214	#3	150.0 mm	270.0 mm	37.0 mm	10	150	24.9 kg

ANSI B107.15  
DIN 5264



- Ergonomic dual material( PP+TPR) handle for comfort and strength. Oil and solvent resistant
- Meet DIN standard and GS/ VDE certified
- Individually tested to 10,000 volts and rated up to 1000 volts for safety
- Blade is made of high performance chrome vanadium molybdenum alloy steel, fully harden and tempered to provide maximum strength and durability



### G-series VDE Insulated Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61311	2.5 mm	75.0 mm	163.0 mm	25.0 mm	10	500	18.2 kg
61312	3.0 mm	100.0 mm	188.0 mm	25.0 mm	10	500	20.1 kg
61313	4.0 mm	100.0 mm	208.0 mm	25.0 mm	10	280	20.1 kg
61314	5.5 mm	125.0 mm	233.0 mm	34.0 mm	10	200	17.9 kg
61315	6.5 mm	150.0 mm	258.0 mm	34.0 mm	10	200	19.9 kg

ANSI B107.15  
DIN 5264



- Ergonomic dual material( PP+TPR) handle for comfort and strength. Oil and solvent resistant
- Meet DIN standard and GS/ VDE certified
- Individually tested to 10,000 volts and rated up to 1000 volts for safety
- Blade is made of high performance chrome vanadium molybdenum alloy steel, fully harden and tempered to provide maximum strength and durability



### T-series VDE Insulated Screwdrivers - Phillips

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61221	#0	60.0 mm	147 mm	25.0 mm	12	48	1.9 kg
61222	#1	80.0 mm	188 mm	31.0 mm	12	48	3.5 kg
61223	#2	100.0 mm	220 mm	35.0 mm	12	48	5.3 kg
61224	#3	150.0 mm	280 mm	38.0 mm	6	24	4.9 kg



- Ergonomic dual material handle for comfort and strength. Oil and solvent resistant
- Blade is made of S2 steel, fully harden and tempered to provide maximum strength and durability
- VDE certified
- For use in high voltage areas, up to 1000V alternating current



### T-series VDE Insulated Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61321	2.5 mm	75.0 mm	163 mm	25.0 mm	12	48	1.9 kg
61322	3.0 mm	100.0 mm	187 mm	25.0 mm	12	48	2.2 kg
61323	4.0 mm	100.0 mm	205 mm	31.0 mm	12	48	3.5 kg
61324	5.5 mm	125.0 mm	245 mm	35.0 mm	12	48	6.3 kg
61325	6.5 mm	150.0 mm	270 mm	35.0 mm	12	48	6.4 kg



- Ergonomic dual material handle for comfort and strength. Oil and solvent resistant
- Blade is made of S2 steel, fully harden and tempered to provide maximum strength and durability
- VDE certified
- For use in high voltage areas, up to 1000V alternating current



### P-series Screwdrivers - Slotted

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
62011	3.2 mm	75.0 mm	159.0 mm	25.0 mm	6	48	1.8 kg
62012	3.2 mm	100.0 mm	184.0 mm	25.0 mm	6	48	1.9 kg
62013	3.2 mm	150.0 mm	234.0 mm	25.0 mm	6	24	1 kg
62014	3.2 mm	200.0 mm	284.0 mm	25.0 mm	6	24	1.2 kg
62015	5.0 mm	75.0 mm	180.0 mm	31.0 mm	6	48	3.6 kg
62016	5.0 mm	100.0 mm	205.0 mm	31.0 mm	6	48	3.9 kg
62017	5.0 mm	150.0 mm	265.0 mm	31.0 mm	6	36	3.3 kg
62018	5.0 mm	200.0 mm	305.0 mm	31.0 mm	6	24	2.4 kg
62026	5.0 mm	250.0 mm	355.0 mm	31.0 mm	6	36	4.1 kg
62027	5.0 mm	300.0 mm	405.0 mm	31.0 mm	6	36	4.1 kg
62019	6.0 mm	38.0 mm	101.0 mm	31.0 mm	6	24	1.4 kg
62020	6.0 mm	100.0 mm	215.0 mm	34.0 mm	6	48	5.1 kg
62021	6.0 mm	150.0 mm	265.0 mm	34.0 mm	6	48	5.7 kg
62022	6.0 mm	200.0 mm	315.0 mm	34.0 mm	6	36	4.9 kg
62023	6.0 mm	250.0 mm	365.0 mm	34.0 mm	6	24	3.7 kg
62028	6.0 mm	300.0 mm	415.0 mm	34.0 mm	6	36	5.3 kg
62024	8.0 mm	150.0 mm	275.0 mm	37.0 mm	6	24	4.2 kg
62025	8.0 mm	200.0 mm	235.0 mm	37.0 mm	6	24	4.9 kg
62029	8.0 mm	250.0 mm	375.0 mm	37.0 mm	6	36	7.7 kg
62030	8.0 mm	300.0 mm	425.0 mm	37.0 mm	6	36	8.8 kg

ANSI B107.15  
DIN 5262



- Ergonomic polypropylene handle for comfort and performance.
- Precision finished tip
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability



**P-series Screwdrivers - Phillips**

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
62101	#0	75.0 mm	159.0 mm	25.0 mm	12	48	1.8 kg
62102	#0	100.0 mm	184.0 mm	25.0 mm	6	36	1.6 kg
62103	#0	150.0 mm	234.0 mm	25.0 mm	6	36	1.8 kg
62104	#0	200.0 mm	284.0 mm	25.0 mm	12	24	1.2 kg
62105	#1	75.0 mm	180.0 mm	31.0 mm	6	48	3.7 kg
62106	#1	100.0 mm	205.0 mm	31.0 mm	6	48	3.7 kg
62107	#1	150.0 mm	255.0 mm	31.0 mm	6	36	3.1 kg
62108	#1	200.0 mm	305.0 mm	31.0 mm	12	24	2.4 kg
62116	#1	250.0 mm	355.0 mm	31.0 mm	6	36	4.1 kg
62117	#1	300.0 mm	405.0 mm	31.0 mm	6	36	4.4 kg
62109	#2	38.0 mm	101.0 mm	31.0 mm	6	24	1.4 kg
62110	#2	100.0 mm	215.0 mm	34.0 mm	12	48	5 kg
62111	#2	150.0 mm	265.0 mm	34.0 mm	12	48	5.7 kg
62112	#2	200.0 mm	315.0 mm	34.0 mm	12	48	6.2 kg
62113	#2	250.0 mm	365.0 mm	34.0 mm	6	24	3.8 kg
62118	#2	300.0 mm	415.0 mm	34.0 mm	6	36	6 kg
62114	#3	150.0 mm	275.0 mm	37.0 mm	6	24	4.2 kg
62115	#3	200.0 mm	235.0 mm	37.0 mm	12	24	4.7 kg
62119	#3	250.0 mm	375.0 mm	37.0 mm	6	36	8.2 kg
62120	#3	300.0 mm	425.0 mm	37.0 mm	6	36	9 kg

ANSI B107.15  
DIN 5262



- Ergonomic polypropylene handle for comfort and performance
- Precision finished tip
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability

**P-series Screwdrivers - Torx®**

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
62401	T8	75.0 mm	158.0 mm	25.0 mm	6	36	1.5 kg
62402	T10	100.0 mm	203.0 mm	31.0 mm	6	36	3 kg
62403	T15	100.0 mm	203.0 mm	31.0 mm	6	36	3 kg
62404	T20	100.0 mm	203.0 mm	31.0 mm	6	36	3.1 kg
62405	T25	100.0 mm	315.0 mm	34.0 mm	6	36	4 kg
62406	T27	100.0 mm	315.0 mm	34.0 mm	6	36	4 kg
62407	T30	100.0 mm	315.0 mm	34.0 mm	6	36	4 kg
62408	T40	100.0 mm	225.0 mm	37.0 mm	6	36	5.8 kg

ANSI B107.15  
DIN 5264



- Ergonomic polypropylene handle for comfort and performance
- Precision finished tip
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability

**Screwdrivers - Slotted**

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61001ME	3.0 mm	75 mm	153 mm	21 mm	12	240	15 kg
61002ME	3.0 mm	100 mm	178 mm	21 mm	12	240	17 kg
61003ME	3.0 mm	150 mm	228 mm	21 mm	12	240	18 kg
61004ME	3.0 mm	200 mm	278 mm	21 mm	12	120	13 kg
61005ME	5.0 mm	75 mm	172 mm	30 mm	12	240	15 kg
61006ME	5.0 mm	100 mm	197 mm	30 mm	12	240	20 kg
61007ME	5.0 mm	150 mm	247 mm	30 mm	12	120	13 kg
61008ME	5.0 mm	200 mm	297 mm	30 mm	12	120	15 kg
61009ME	6.0 mm	38 mm	99 mm	32 mm	12	120	14 kg
61010ME	6.0 mm	100 mm	206.5 mm	33 mm	12	120	12 kg
61011ME	6.0 mm	150 mm	256.5 mm	33 mm	12	120	14 kg
61012ME	6.0 mm	200 mm	306.5 mm	33 mm	12	120	17 kg
61013ME	6.0 mm	356.5 mm	356.5 mm	33 mm	12	120	20 kg
61014ME	8.0 mm	150 mm	256.5 mm	35 mm	12	60	13 kg
61015ME	8.0 mm	200 mm	306.5 mm	35 mm	12	60	14 kg

DIN 5265



- Blade is fully harden and tempered to provide maximum strength and durability
- Ergonomic handle for comfort and strength. Oil and solvent resistant
- Magnetic tip for greater fastener control
- Precision finished tip

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



**Screwdrivers - Phillips**

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
61101ME	#0	75 mm	153 mm	21 mm	12	240	15 kg
61102ME	#0	100 mm	178 mm	21 mm	12	240	17 kg
61103ME	#0	150 mm	228 mm	21 mm	12	240	18 kg
61104ME	#0	200 mm	278 mm	21 mm	12	120	13 kg
61105ME	#1	75 mm	172 mm	30 mm	12	240	15 kg
61106ME	#1	100 mm	197 mm	30 mm	12	240	20 kg
61107ME	#1	150 mm	247 mm	30 mm	12	240	13 kg
61108ME	#1	200 mm	297 mm	30 mm	12	120	15 kg
61109ME	#2	38 mm	99 mm	32 mm	12	240	14 kg
61110ME	#2	100 mm	206.5 mm	33 mm	12	120	12 kg
61111ME	#2	150 mm	256.5 mm	33 mm	12	120	14 kg
61112ME	#2	200 mm	306.5 mm	33 mm	12	120	17 kg
61113ME	#2	250 mm	356.5 mm	33 mm	12	120	20 kg
61114ME	#3	200 mm	306.5 mm	35 mm	12	60	13 kg
61115ME	#3	200 mm	306.5 mm	35 mm	12	60	14 kg

DIN 5262

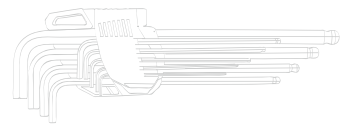


- Blade is fully harden and tempered to provide maximum strength and durability
- Ergonomic handle for comfort and strength. Oil and solvent resistant
- Magnetic tip for greater fastener control
- Precision finished tip

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



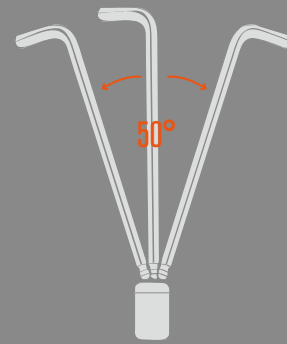
# Hex Key



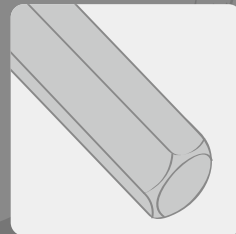
# Hex Key



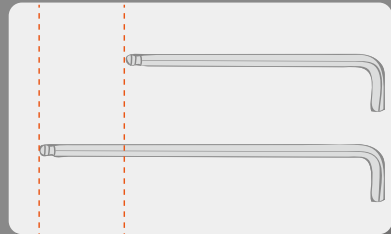
- All hex keys are precision formed to exact dimensional tolerances for precise fit
- Chamfered tips for faster insertion
- Made of Chrome Vanadium steel to provide maximum strength and durability
- Strong torque performance meeting ANSI specs



Ball point keys allow for angled access to fasteners



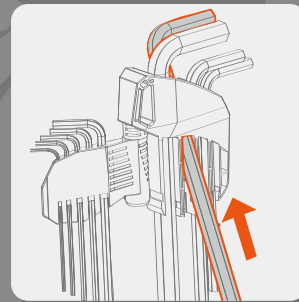
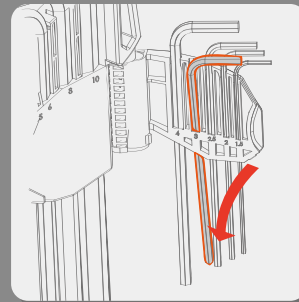
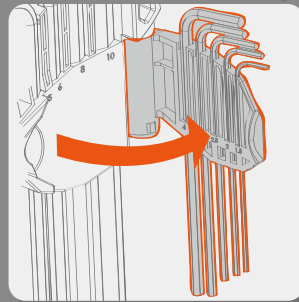
Made of Chrome Vanadium Steel to provide maximum strength and durability



Up to 30% longer for improved access and leverage

### CADDY FEATURE

- Caddy holder offers easy removal of keys. No need to remove larger keys in order to remove the smaller ones
- Made of nylon fiber material for impact resistant and durability



# Hex Key - set



## 9 Pc. Metric Extra Long Ball Point Hex Key Set

Cat. No.			G.W.
09101A	6	36	16.9 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## 12 Pc. SAE Extra Long Ball Point Hex Key Set

Cat. No.			G.W.
09102	6	36	17.4 kg

CONTENTS:  
1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"



## 9 Pc. Metric Extra Long Hex Key Set

Cat. No.			G.W.
09103A	6	36	16.9 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## 12 Pc. SAE Extra Long Hex Key Set

Cat. No.			G.W.
09104	6	36	17.4 kg

CONTENTS:  
1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"





**9 Pc. Metric Long Ball Point Hex Key Set**

Cat. No.			G.W.
09105A	6	48	19.4 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



**12 Pc. SAE Long Ball Point Hex Key Set**

Cat. No.			G.W.
09106	6	36	19.9 kg

CONTENTS:  
1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"



**9 Pc. Metric Extra Long Ball Point Hex Key and Torque Handle Set**

Cat. No.			G.W.
09124	6	24	16 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



**8 Pc. Torx® Tamper Proof Key Set**

Cat. No.			G.W.
09701	12	72	7.1 kg

CONTENTS:  
T6, T7, T8, T9, T10, T15, T20, T25



**9 Pc. Metric Long Hex Key Set**

Cat. No.			G.W.
09107A	6	48	19.4 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



**12 Pc. SAE Long Hex Key Set**

Cat. No.			G.W.
09108	6	48	19.9 kg

CONTENTS:  
1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"




**9 Pc. Torx® Tamper Proof Key Set**

Cat. No.			G.W.
09702	6	48	18.4 kg

CONTENTS:  
T10, T15, T20, T25, T27, T30, T40, T45, T50



**8 Pc. Metric Hex Key Fold-up Set**

Cat. No.			G.W.
09121	6	24	5 kg

CONTENTS:  
1.5, 2, 2.5, 3, 4, 5, 6, 8mm



### 9 Pc. SAE Hex Key Fold-up Set

Cat. No.	📦	📦	G.W.
09122	6	24	4.6 kg

CONTENTS:  
5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"



### 8 Pc. Torx® Key Fold-up Set

Cat. No.	📦	📦	G.W.
09123	6	24	4.6 kg

CONTENTS:  
T9, T10, T15, T20, T25, T27, T30, T40



### Metric Extra Long Hex Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	📦	📦	G.W.
80304A	1.5 mm	89 mm	13 mm	72	864	2.8 kg
80305A	2 mm	99 mm	15 mm	72	864	4.1 kg
80306A	2.5 mm	111 mm	17 mm	72	432	3.3 kg
80307A	3 mm	125 mm	19 mm	36	432	5.2 kg
80308A	4 mm	139 mm	24 mm	36	432	9.4 kg
80310A	5 mm	159 mm	27 mm	36	144	5.6 kg
80312A	6 mm	179 mm	31 mm	36	144	8.5 kg
80314A	8 mm	199 mm	35 mm	18	72	7.9 kg
80316A	10 mm	223 mm	39 mm	18	72	13.4 kg

DIN 911



- Up to 30% longer for improved access and leverage
- Chamfered tips for faster insertion
- Made of chrome vanadium steel to provide maximum strength and durability

### Metric Extra Long Ball Point Hex Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	📦	📦	G.W.
80104A	1.5 mm	89 mm	13 mm	72	864	3.1 kg
80105A	2 mm	99 mm	13.5 mm	72	864	4.5 kg
80106A	2.5 mm	111 mm	17 mm	72	432	4.6 kg
80107A	3 mm	125 mm	19 mm	36	432	5.5 kg
80108A	4 mm	139 mm	24 mm	36	432	9.4 kg
80110A	5 mm	159 mm	27 mm	36	144	5.2 kg
80112A	6 mm	179 mm	31 mm	36	144	7.9 kg
80114A	8 mm	199 mm	35 mm	18	72	7.9 kg
80116A	10 mm	223 mm	39 mm	18	72	13.6 kg

DIN 911



- Up to 30% longer for improved access and leverage
- Ball point keys allow for angled access to fasteners
- Made of chrome vanadium steel to provide maximum strength and durability

### Metric Long Ball Point Hex Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	📦	📦	G.W.
81104A	1.5 mm	77 mm	13.5 mm	72	864	3.3 kg
81105A	2 mm	82 mm	15.5 mm	72	864	4.1 kg
81106A	2.5 mm	88.5 mm	17.5 mm	72	432	3.3 kg
81107A	3 mm	98.5 mm	19 mm	36	432	4.9 kg
81108A	4 mm	104 mm	24 mm	36	432	7.2 kg
81110A	5 mm	116 mm	27 mm	36	144	4.6 kg
81111A	5.5 mm	126.5 mm	29 mm	36	144	5.4 kg
81112A	6 mm	138 mm	31 mm	36	144	7 kg
81113A	7 mm	148 mm	33 mm	36	144	9.6 kg
81114A	8 mm	175.5 mm	35 mm	18	72	6.6 kg
81116A	10 mm	167 mm	39 mm	18	72	11 kg



DIN 911



- Ball point keys allow for angled access to fasteners
- Chamfered tips for faster insertion
- Made of chrome vanadium steel to provide maximum strength and durability



## Metric Long Hex Keys



Cat. No.	Fastener Size	Long End Length	Short End Length			G.W.
81304A	1.5 mm	77 mm	13.5 mm	72	864	3 kg
81305A	2 mm	82 mm	15.5 mm	72	864	4.1 kg
81306A	2.5 mm	88.5 mm	17.5 mm	72	432	4.6 kg
81307A	3 mm	98.5 mm	19 mm	36	432	4.9 kg
81308A	4 mm	104 mm	24 mm	36	432	7.6 kg
81310A	5 mm	116 mm	27 mm	36	144	4.6 kg
81312A	6 mm	138 mm	31 mm	36	144	6.5 kg
81314A	8 mm	157.5 mm	35 mm	18	72	6.8 kg
81316A	10 mm	167 mm	39 mm	18	72	10.7 kg

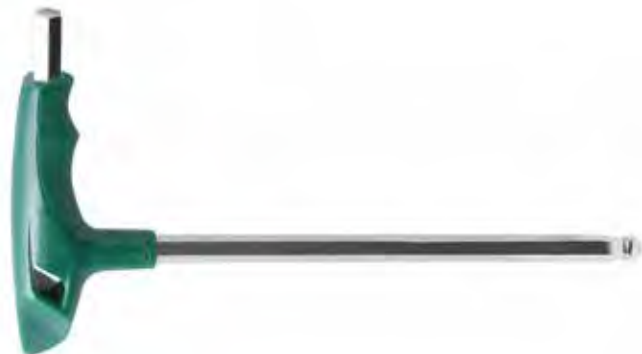
DIN 911



- Chamfered tips for faster insertion
- Made of chrome vanadium steel to provide maximum strength and durability



## Metric Ball Point T-Handles

Cat. No.	Fastener Size	Handle Length	Length			G.W.
83105	2 mm	61.5 mm	129 mm	12	144	5.3 kg
83106	2.5 mm	61.5 mm	129 mm	12	144	5.6 kg
83107	3 mm	61 mm	128.5 mm	12	144	6.1 kg
83108	4 mm	60.5 mm	178 mm	12	144	8.3 kg
83110	5 mm	64 mm	178 mm	12	144	10.6 kg
83112	6 mm	88 mm	192 mm	12	72	10.3 kg
83113	7 mm	87.5 mm	241.5 mm	12	72	9.4 kg
83114	8 mm	87.5 mm	241.5 mm	12	72	15.7 kg
83116	10 mm	91 mm	241.5 mm	12	72	16.1 kg



- Ergonomics non-slip grip delivers superior strength and ultimate comfort in use.
- Upgrade to SVMC+ material to provide 30% more torque than CRV material.



## Metric T-Handles

Cat. No.	Fastener Size	Handle Length	Length			G.W.
83305	2 mm	61.5 mm	129 mm	12	144	5.2 kg
83306	2.5 mm	61.5 mm	129 mm	12	144	5.6 kg
83307	3 mm	61.5 mm	129 mm	12	144	6.1 kg
83308	4 mm	60.5 mm	178 mm	12	144	8.3 kg
83310	5 mm	64 mm	178 mm	12	144	10.4 kg
83312	6 mm	88 mm	192 mm	12	72	10.4 kg
83313	7 mm	87.5 mm	241.5 mm	12	72	9.3 kg
83314	8 mm	87.5 mm	241.5 mm	12	72	15.8 kg
83316	10 mm	91 mm	241.5 mm	12	72	16.5 kg



- Ergonomics non-slip grip delivers superior strength and ultimate comfort in use.
- Upgrade to SVMC+ material to provide 30% more torque than CRV material.

## SAE Black Oxide Hex Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	Overall Height	Overall Length	Overall Width			G.W.
84413	7/16 in	188.0 mm	36.0 mm	1.2 cm	19.9 cm	4.7 cm	12	48	9.78 kg
84414	1/2 in	207.0 mm	39.5 mm	1.37 cm	22.0 cm	5.25 cm	12	48	13.76 kg
84415	9/16 in	226.0 mm	42.5 mm	1.53 cm	25.9 cm	5.68 cm	6	24	9.68 kg
84416	5/8 in	245.0 mm	46.5 mm	1.67 cm	26.0 cm	6.22 cm	6	24	12.70 kg
84417	3/4 in	282.0 mm	52.5 mm	2.01 cm	30.1 cm	7.15 cm	6	24	16.5 kg



- Made of Chrome Vanadium steel for strength and durability
- Black finishing

# Hex Key - Open Stock

## Metric Black Oxide Hex Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	⬡	⬡	G.W.
84318	12 mm	209 mm	44 mm	12	48	12.8 kg
84320	14 mm	232.5 mm	54.5 mm	12	24	9.7 kg
84321	16 mm	239.5 mm	58.5 mm	12	24	13.10 kg
84322	18 mm	261 mm	64.5 mm	12	24	18.20 kg
84323	17 mm	246 mm	61.5 mm	12	24	15.2 kg
84324	24 mm	369.5 mm	88 mm	12	24	18.30 kg
84325	19 mm	275.5 mm	68.5 mm	10	20	17.4 kg
84328	22 mm	330 mm	78 mm	0	12	16.5 kg
84329	27 mm	410 mm	97.5 mm	0	6	15.50 kg



- Black finishing
- Made of Chrome Vanadium steel for strength and durability

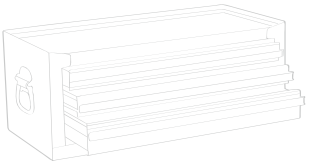
## Torx® Tamper Proof Keys

Cat. No.	Fastener Size	Long End Length	Short End Length	⬡	⬡	G.W.
84501	T6	70 mm	13 mm	72	864	4.7 kg
84502	T7	74 mm	14 mm	72	864	5.5 kg
84503	T8	78 mm	15 mm	72	864	5.4 kg
84504	T9	82 mm	16 mm	72	864	6.8 kg
84505	T10	86 mm	17 mm	72	864	6.8 kg
84506	T15	90 mm	18 mm	72	864	8.3 kg
84507	T20	95 mm	19 mm	72	432	7.1 kg
84508	T25	100 mm	20 mm	72	432	8.9 kg
84509	T27	105 mm	21 mm	72	432	10.6 kg
84510	T30	114 mm	24 mm	72	432	13.2 kg
84511	T40	124 mm	26 mm	72	288	14.2 kg
84512	T45	133 mm	29 mm	36	144	10.5 kg
84513	T50	152 mm	32 mm	36	144	14.5 kg

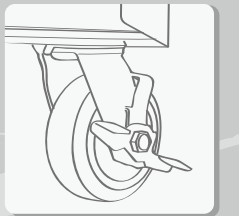
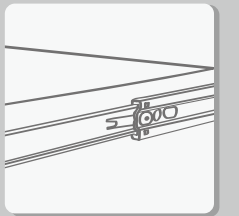
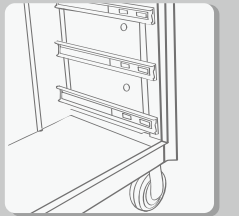


- Made of S2 material with tamper-proof.

## Tool Storage



## Tool Storage





### 31" 7 Drawer Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95107	780 mm	550 mm	1180 mm	0	1	101 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	783	458	995

- Screwdriver compartment for easy and convenience storage

- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 240kg



### 45" 8 Drawer Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95109	1120 mm	570 mm	1250 mm	0	1	110.6 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	1136	458	1038

- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 240kg



- Integrally formed table with trays for easy storage small parts; Integrally formed handle for comfort grip

- Integrally formed table with screwdriver slots

- Curve design vertical tubes for stronger body and impact resistant

- Removable tool box on both side of for easy storage



### 29" 7 Drawer Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95207	820 mm	510 mm	1105 mm	0	1	83 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	810	490	960

### 47" 5 Drawer Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95208	1210 mm	520 mm	1040 mm	0	1	100 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	1180	480	830

- Attractive and durable stainless steel table

- Mounting holes for Mechanics Bench Vise

- High quality door lock

- User-friendly design side lock to avoid the interference of drawer and key

- Removable tool box on both side of for easy storage

- Suitable for tool set 95208S
- Total cabinet capacity should not exceed 300kg
- Top 4 drawers capacity should not exceed 35kg, 5th drawer capacity should not exceed 45kg
- High quality casters for smooth moving
- High durability roller track enable smooth sliding



### 28" 5 Drawer Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95121	750 mm	545 mm	830 mm	0	1	53 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	770	470	896



- Four clipped corner design for better strength and durability
- Single drawer capacity is 35kg
- Total trolley capacity should not exceed 200kg
- All drawers are with EVA form
- 45mm ball bearing slide for better load bearing
- Round socket shape lock
- Thicker polish aluminum handle
- Gray color matted surface powder coatings for better scratch resistant
- 5" heavy duty casters for smooth moving without noise and better durability

### Metal Tool Box

Cat. No.	Width	Depth	Height			G.W.
95102	428 mm	177 mm	184 mm	0	1	4.4 kg
95103A	508 mm	218 mm	243 mm	0	1	6.5 kg



- Made of galvanized steel, phosphate for rust-resistant
- 0.8mm thickness steel body for strong and lasting usage
- Strong comfort handle
- Size: 95102: 17" 95103A: 20"

### 14" Metal Tool Box

Cat. No.	Width	Depth	Height			G.W.
95101	360 mm	150 mm	115 mm	0	1	2 kg



- Strong comfort handle
- 0.8mm thickness steel body for strong and lasting usage
- Made of galvanized steel, phosphate for rust-resistant

### 17" 5 Tray Cantilever Tool Box

Cat. No.	Width	Depth	Height			G.W.
95104A	430 mm	200 mm	200 mm	0	1	4.8 kg



- Strong comfort handle
- 0.9mm thickness steel body for strong and lasting usage
- Made of galvanized steel, phosphate for rust-resistant

### 26" 3 Drawer Chest

Cat. No.	Width	Depth	Height			G.W.
95105	670 mm	315 mm	265 mm	0	1	17.9 kg



- 0.8mm thickness steel body for strong and lasting usage.
- Locking system
- High durability roller track enable smooth sliding

### 33" Utility Cart

Cat. No.	Width	Depth	Height			G.W.
95108A	870 mm	250 mm	630 mm	0	1	26.7 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	845	416	840



- Total trolley capacity should not exceed 150kg
- Each drawer capacity should not exceed 35kg
- Bottom tray – cater for big size tools which can't fit into drawers
- Top tray for easy tools placement while work-in-progress
- Compact size for multiple usages

### 26" 6 Drawer Chest

Cat. No.	Width	Depth	Height			G.W.
95106	660 mm	305 mm	380 mm	0	1	28.4 kg



- 0.8mm thickness steel body for strong and lasting usage.
- Locking system
- High durability roller track enable smooth sliding

### 30" Mini Roller Cabinet

Cat. No.	Width	Depth	Height			G.W.
95111	750 mm	480 mm	990 mm	0	1	25 kg

	W(mm)	D(mm)	H(mm)
(after assembled)	635	390	800





- Total trolley capacity should not exceed 100kg
- Open top tray for easy tools placement
- Shuttle door for easy open/ close
- See-through net structure on side panels

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.





### 30" Utility Cart

Cat. No.	Width	Depth	Height			G.W.
95113	780 mm	450 mm	580 mm	0	1	35 kg
		W(mm)	D(mm)	H(mm)		
	(after assembled)	785	440	425		



- High durability roller track enable smooth sliding
- Two swivel (with stopper) and two fixed casters with pin rolling bearings

### 38" 2 Drawer Utility Cart

Cat. No.	Width	Depth	Height			G.W.
95118	960 mm	560 mm	570 mm	0	1	55 kg
		W(mm)	D(mm)	H(mm)		
	(after assembled)	1336	416	940		



- Total trolley capacity should not exceed 150kg
- Each drawer capacity should not exceed 35kg
- High durability roller track enable smooth sliding
- Foldable side table is convenient and saves space
- Flip open top provides greater accessibility to tools
- Screwdriver compartment for easy and convenience storage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- 1.2mm thickness steel body for strong and lasting usage

### 36" 4 Drawer Utility Cart

Cat. No.	Width	Depth	Height			G.W.
95119	920 mm	630 mm	1180 mm	0	1	87 kg
		W(mm)	D(mm)	H(mm)		
	(after assembled)	890	535	1013		




- Total trolley capacity should not exceed 240kg
- Each drawer capacity should not exceed 45kg
- High durability roller track enable smooth sliding
- Foldable side table is convenient and saves space
- Flip open top provides greater accessibility to tools
- 4 protective covered legs prevent damage against knocks
- PVC handle for comfortable grip
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- 1.2mm thickness steel body for strong and lasting usage

### 16" Aluminum Case

Cat. No.	Width	Depth	Height			G.W.
03601	425 mm	305 mm	125 mm	0	5	13.4 kg



- Size: 16"
- With EVA separator can arbitrarily divid the storage space
- Wear resistance ABS cover and rubber feet on the box corner for firm and durability
- Widening rigid metal frame in the box has excellent impact resistance
- Popular silver white stripes with matte finishing. Surface with special coating for wear resistance and rust resistance


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 24" Aluminum Trolley Case

Cat. No.	Width	Depth	Height			G.W.
03621	490 mm	420 mm	230 mm	0	1	8 kg



- Double lock structure and anti-shock EVR pad lining for more safety
- Multipurpose with separators can arbitrarily divide the storage space
- Impact resistance: Passed strict impact test, Structure force up to 300KG, surface panel force up to 100KG
- Case can accommodate 40KG weight and remain freely use
- Case thickness up to 7mm


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 16" Plastic Tool Box

Cat. No.	Width	Depth	Height			G.W.
95162	400 mm	225 mm	203 mm	0	6	12.3 kg



- Size: 16"
- Partitioned tray included
- Lock and Handle made of strong ABS material


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 15" Plastic Tool Box

Cat. No.	Width	Depth	Height			G.W.
95161	385 mm	202 mm	140 mm	0	6	5.2 kg



- Size: 15"
- Lock and Handle made of strong ABS material
- Tool box made of high impact resistant PP material

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 18" Plastic Tool Box

Cat. No.	Width	Depth	Height			G.W.
95163	450 mm	243 mm	210 mm	0	6	13.7 kg



- Size: 18"
- Partitioned tray included
- Lock and Handle made of strong ABS material Tool box made of high impact resistant PP material

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### 21" Plastic Tool Box

Cat. No.	Width	Depth	Height			G.W.
95164	530 mm	253 mm	220 mm	0	6	17.1 kg



- Size: 21"
- Partitioned tray included
- Lock and Handle made of strong ABS material
- Tool box made of high impact resistant PP material

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 17" Plastic Cantilever Tool Box

Cat. No.	Width	Depth	Height			G.W.
95166	440 mm	230 mm	250 mm	0	6	15.4 kg



- Size: 17"
- Partitioned tray included
- Lock made of strong ABS material
- Tool box made of high impact resistant PP material

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 4 Pocket Belt Pouch

Cat. No.	Overall Width	Overall Length	Overall Height			G.W.
95211	25 mm	120 mm	30 mm	0	20	1.8 kg

\*Tools not Included



- Thickening rimmed provide more durability and wear resistant.
- Thick waterproof nylon fabric have more load-bearing capacity
- Braced pocket for easy access to tools
- Unique bag designed to meet the portable needs of a variety of tools;

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 6 Pocket Belt Pouch

Cat. No.	Overall Width	Overall Length	Overall Height			G.W.
95212	70 mm	275 mm	265 mm	0	20	7.99 kg

\*Tools not Included



- Thickening rimmed provide more durability and wear resistant.
- Thick waterproof nylon fabric have more load-bearing capacity
- Braced pocket for easy access to tools
- Unique bag designed to meet the portable needs of a variety of tools;

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Working Belt with Tape Measure Hook

Cat. No.	Overall Width	Overall Length	Overall Height	G.W.
95215	185 mm	100 mm	60 mm	7.90 kg

\*Tools not Included



- Tape measure buckle is free on the belt as a bonus.
- Suggest to use with SATA #95211/#95212/#95213
- Thickening rimmed provide more durability and wear resistant.
- Thick waterproof nylon fabric have more load-bearing capacity
- Belt length can be adjusted to meet the needs of different users
- Reinforced liner in the main load-bearing parts to prevent deformation and Fracture.

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 17" Portable Tool Bag

Cat. No.	Width	Depth	Height			G.W.
95184	440 mm	330 mm	300 mm	1	10	15 kg

\*Tools not Included



- Multiple easy access compartments for maximum usage
- Reinforced internal pockets
- Made of heavy duty 900 denier polyester fabric

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 14" Portable Tool Bag

Cat. No.	Width	Depth	Height			G.W.
95183	360 mm	300 mm	230 mm	1	10	11 kg

\*Tools not Included



- Multiple easy access compartments for maximum usage
- Reinforced internal pockets
- Made of heavy duty 900 denier polyester fabric

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 16" Portable Tool Bag

Cat. No.	Width	Depth	Height			G.W.
95185	440 mm	330 mm	300 mm	1	2	2.38 kg

\*Tools not Included



- Multiple easy access compartments for maximum usage
- Reinforced internal pockets
- Made of waterproof 600 denier polyester fabric

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.




## 18" Steel Tube Handle Tool Bag

Cat. No.	Width	Depth	Height			G.W.
95187	440 mm	230 mm	300 mm	0	2	4.70 kg

\*Tools not Included



- Multiple easy access compartments for maximum usage
- Reinforced internal pockets
- Made of heavy duty 900 denier polyester fabric

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.


## 19" Trolley Tool Bag

Cat. No.	Width	Depth	Height			G.W.
95188	480 mm	320 mm	440 mm	0	1	5.39 kg

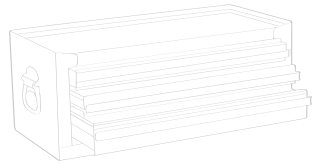
\*Tools not included



- Reinforced internal pockets
- Made of waterproof 600 denier polyester fabric

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

# Tool Storage - Tray Set



**Usage:**  
For daily usage to organize your tools systematically, avoiding misplace and shortages

- Advantages:**
- Neat and presentable image
  - Instant availability check
  - Avoid / reduce tools replacement rate due to misplace
  - Tray sets available to meet your different needs

**Tool Storage System Well Organised!! Great Convenient!!**



**66 Pc. 1/4" Drive 6 Point Metric Socket Tray Set**

Cat. No.	Length	Width	Height			G.W.
09901	375 mm	180 mm	45 mm	0	4	8.9 kg

**CONTENTS:**

- 14 - 6Pt. Metric Sockets  
3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
- 12 - 6Pt. Metric Deep Sockets  
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13mm
- 23 - Bit Sockets  
Slotted 4, 5.5, 6.5 mm Phillips #1, #2, #3 Pozidriv #1, #2, #3  
Torx® T8, T10, T15, T20, T25, T27, T30, T40  
Hex 3, 4, 5, 6, 7, 8mm
- 8 - 25L Bits Phillips #0, #1, #2, #3 Slotted 3, 4, 5, 6mm
- 9 - Accessories  
Quick-Release Ratchet  
Spinner Handle  
Wobble Extensions 2", 4"  
Flex Extension  
T-handle  
Universal Joint  
Magnetic Quick-Release Bit Holder  
Bit Adapter



**33 Pc. 3/8" Drive 6 Point Metric Socket Tray Set**

Cat. No.	Length	Width	Height			G.W.
09902	375 mm	180 mm	45 mm	0	4	12.9 kg

**CONTENTS:**

- 15 - 6Pt. Metric Sockets  
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
- 8 - 6Pt. Metric Deep Sockets  
10, 11, 12, 13, 14, 15, 17, 19 mm
- 3 - Spark Plug Sockets 16, 18, 21 mm
- 7 - Accessories  
Quick-Release Ratchet  
Wobble Extension 10"  
3/8"F x 1/4"M Adapter  
Universal Joint  
Bit Adapter  
Locking Extension 3"  
1/2"F x 3/8"M 3-Way Adapter

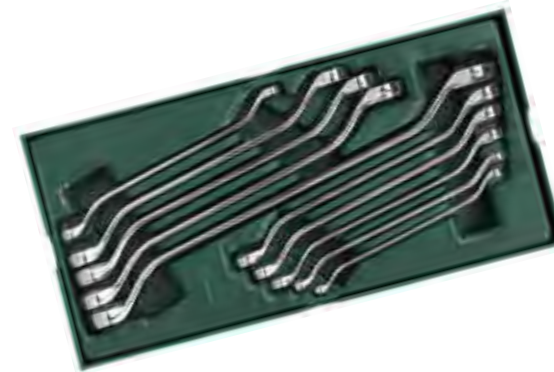


**10 Pc. Metric Offset Box Wrench Tray Set**

Cat. No.	Length	Width	Height			G.W.
09905	375 mm	180 mm	45 mm	0	4	10 kg

**CONTENTS:**

- 6x7, 8x10, 10x12, 11x13, 12x14,  
14x17, 17x19, 19x21, 21x23, 24x27mm



**30 Pc. Metric Combination Wrench and Hex Key Tray Set**

Cat. No.	Length	Width	Height			G.W.
09906	375 mm	180 mm	45 mm	0	4	10.3 kg

**CONTENTS:**

- 12 - Combination Wrenches  
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
- 9 - Extra Long Ball Point Hex Key Set  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
- 9 - Long Arm Temper-Proof Torx® Key Set  
T10, T15, T20, T25, T27, T30, T40, T45, T50



**27 Pc. 1/2" Drive 6 Point Metric Socket Tray Set**

Cat. No.	Length	Width	Height			G.W.
09903	375 mm	180 mm	45 mm	0	4	18 kg

**CONTENTS:**

- 17 - 6Pt. Metric Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 18,  
19, 21, 22, 24, 27, 30, 32, 34 mm
- 5 - 6Pt. Metric Deep sockets  
10, 13, 17, 19, 22 mm
- 5 - Accessories  
Quick-Release Ratchet  
Wobble Extension 10"  
Universal Joint  
Locking Extension 5"  
3/8"F x 1/2"M 3-Way Adapter



**10 Pc. Metric Open End and Combination Wrench Tray Set**

Cat. No.	Length	Width	Height			G.W.
09904	375 mm	180 mm	45 mm	0	4	10.5 kg

**CONTENTS:**

- 2 - Double Ratcheting Combination Wrenches 13, 14 mm
- 8 - Double Open End Wrenches  
6x7, 8x10, 10x12, 11x13, 12x14, 22x24, 24x27, 30x32 mm



**8 Pc. Metric Combination Wrench Tray Set**

Cat. No.	Length	Width	Height			G.W.
09907	375 mm	180 mm	45 mm	0	4	8.8 kg

**CONTENTS:**

- 5.5, 6, 7, 20, 21, 22, 23, 24mm



**5 Pc. Adjustable Wrench and Pliers Tray Set**

Cat. No.	Length	Width	Height			G.W.
09909	375 mm	180 mm	45 mm	0	4	8.5 kg

**CONTENTS:**

- 2 - Adjustable Wrenches 8", 10"
- 1 - Long Nose Pliers 6"
- 1 - Curved Jaw Locking Pliers 7"
- 1 - Long Nose Locking Pliers 6"





### 8 Pc. File Tray Set

Cat. No.	Length	Width	Height			G.W.
09910	375 mm	180 mm	45 mm	0	4	6.3 kg

**CONTENTS:**

- 1 - Flat File 8"
- 1 - Half-Round File 8"
- 1 - Square File 8"
- 1 - Round File 8"
- 1 - Three Square File 8"
- 3 - 3 x 140mm Needle Files - Flat, Half Round, Round



### 4 Pc. Snap Ring Pliers Tray Set

Cat. No.	Length	Width	Height			G.W.
09911	375 mm	180 mm	45 mm	0	4	5.3 kg

**CONTENTS:**

- 1 - External Straight 7"
- 1 - External Curved 7"
- 1 - Internal Straight 7"
- 1 - Internal Curved 7"



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 4 Pc. Pliers Tray Set

Cat. No.	Length	Width	Height			G.W.
09912	375 mm	180 mm	45 mm	0	4	6.6 kg

**CONTENTS:**

- 1 - Long Nose 6"
- 1 - Diagonal 6"
- 1 - Linesman 8"
- 1 - Plastic Cutting 6"



### 13 Pc. Combination Screwdriver Tray Set

Cat. No.	Length	Width	Height			G.W.
09913	375 mm	180 mm	45 mm	0	4	5.1 kg

**CONTENTS:**

- 4 - Precision Slotted 1.0x40mm, 2.0x40mm, 2.4x40mm, 3.0x40mm
- 2 - Precision Phillips #3x40mm, #0x40mm
- 3 - T-Series Slotted 3x75mm, 5x75mm, 6x100mm
- 4 - T-Series Phillips #0x75mm, #1x75mm, #2x100mm, #3x150mm

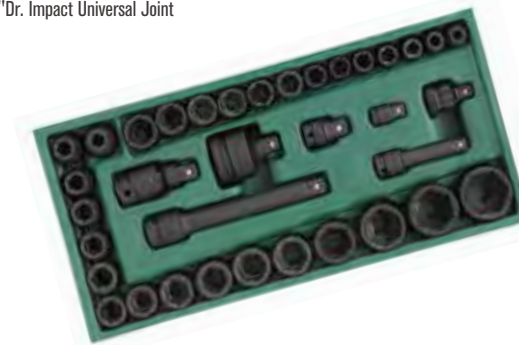


### 36 Pc. 3/8" and 1/2" Drive 6 Point Metric Impact Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09914	375 mm	180 mm	45 mm	0	4	17.3 kg

**CONTENTS:**

- 16 - 1/2"Dr. Metric Impact Sockets  
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 mm
- 13 - 3/8"Dr. Metric Impact Sockets  
7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
- 1 - 3/8"Dr Impact Extension Bar 3"
- 1 - 1/4"F x 3/8"M Impact Adapter
- 1 - 1/2"F x 3/8"M Impact Adapter
- 1 - 1/2"Dr. Impact Extension Bar 6"
- 1 - 3/8"F x 1/2"M Impact Adapter
- 1 - 3/4"F x 1/2"M Impact Adapter
- 1 - 1/2"Dr. Impact Universal Joint



### 26 Pc. 1/2" Drive 6 Point Metric Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09915	375 mm	180 mm	45 mm	0	4	15.5 kg

**CONTENTS:**

- 20 - 6Pt. Metric Sockets  
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm
- 5 - 6Pt. Metric Deep Sockets 14, 17, 19, 21, 24 mm
- 1 - Quick-Release Ratchet



### 98 Pc. Tool Storage and Tray Set

Cat. No.	Length	Width	Height			G.W.
09916*	680 mm	458 mm	860 mm	0	1	78.5 kg

\* Tray set and tool trolley are packed separately

**CONTENTS:**

- 95107 - 31" 7 Drawer Roller Cabinet
- 09903 - 27 Pc. 1/2" Drive 6 Point Metric Socket Tray Set
- 09906 - 30 Pc. Metric Combination Wrench and Hex Key Tray Set
- 09911 - 4 Pc. Snap Ring Pliers Tray Set
- 09912 - 4 Pc. Pliers Tray Set
- 09913 - 13 Pc. Combination Screwdriver Tray Set
- 09925 - 19 Pc. Metric Double Ratcheting Combination Wrench Tray Set



- Total trolley capacity should not exceed 240kg
- Each drawer capacity should not exceed 35kg
- High durability roller track enable smooth sliding
- PVC handle for comfortable grip
- Screwdriver compartment for easy and convenience storage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- 1.2mm thickness steel body for strong and lasting usage



### 212 Pc. Tool Storage and Tray Set

Cat. No.	Length	Width	Height			G.W.
09917*	680 mm	458 mm	860 mm	0	1	78.5 kg

\* Tray set and tool trolley are packed separately

**CONTENTS:**

- 95107 - 31" 7 Drawer Roller Cabinet
- 09901 - 66 Pc. 1/4" Drive 6 Point Metric Socket Tray Set
- 09902 - 33 Pc. 3/8" Drive 6 Point Metric Socket Tray Set
- 09903 - 27 Pc. 1/2" Drive 6 Point Metric Socket Tray Set
- 09905 - 10 Pc. Metric Offset Box Wrench Tray Set
- 09906 - 30 Pc. Metric Combination Wrench and Hex Key Tray Set
- 09909 - 5 Pc. Adjustable Wrench and Pliers Tray Set
- 09910 - 8 Pc. File Tray Set
- 09913 - 13 Pc. Combination Screwdriver Tray Set
- 09925 - 19 Pc. Metric Double Ratcheting Combination Wrench Tray Set



- Total trolley capacity should not exceed 240kg
- Each drawer capacity should not exceed 35kg
- High durability roller track enable smooth sliding
- PVC handle for comfortable grip
- Screwdriver compartment for easy and convenience storage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- 1.2mm thickness steel body for strong and lasting usage

### 246 Pc. Tool Storage and Tray Set

Cat. No.	Length	Width	Height			G.W.
09918*	680 mm	458 mm	860 mm	0	1	78.5 kg

\* Tray set and tool trolley are packed separately

**CONTENTS:**

- 95107 - 31" 7 Drawer Roller Cabinet
- 09901 - 66 Pc. 1/4" Drive 6 Point Metric Socket Tray Set
- 09902 - 33 Pc. 3/8" Drive 6 Point Metric Socket Tray Set
- 09904 - 10 Pc. Metric Open End and Combination Wrench Tray Set
- 09905 - 10 Pc. Metric Offset Box Wrench Tray Set
- 09906 - 30 Pc. Metric Combination Wrench and Hex Key Tray Set
- 09909 - 5 Pc. Adjustable Wrench and Pliers Tray Set
- 09910 - 8 Pc. File Tray Set
- 09911 - 4 Pc. Snap Ring Pliers Tray Set
- 09912 - 4 Pc. Pliers Tray Set
- 09913 - 13 Pc. Combination Screwdriver Tray Set
- 09914 - 36 Pc. 3/8" and 1/2" Drive 6 Point Metric Impact Socket Tray Set
- 09915 - 26 Pc. 1/2" Drive 6 Point Metric Socket Tray Set



- Total trolley capacity should not exceed 240kg
- Each drawer capacity should not exceed 35kg
- High durability roller track enable smooth sliding
- PVC handle for comfortable grip
- Screwdriver compartment for easy and convenience storage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- 1.2mm thickness steel body for strong and lasting usage

### 59 Pc. 1/4" Drive 6 Point SAE Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09919	375 mm	180 mm	45 mm	0	4	8.5 kg

**CONTENTS:**

- 10 - 6Pt. S.A.E. Sockets  
5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
- 9 - 6Pt. S.A.E. Deep Sockets  
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"
- 23 - Bit Sockets  
Slotted 4, 5.5, 6.5 mm Phillips #1, #2, #3 Hex 3, 4, 5, 6, 7, 8 mm  
Pozidriv #1, #2, #3 Torx® T8, T10, T15, T20, T25, T27, T30, T40
- 8 - 25L Bits Slotted 3, 4, 5, 6 mm Phillips #0, #1, #2, #3
- 9 - Accessories  
Quick-Release Ratchet  
Spinner Handle  
Wobble Extensions 2", 4"  
Flex Extension Bar  
T-handle  
Universal Joint  
Magnetic Quick-Release Bit Holder  
Bit Adapter



### 25 Pc. 1/2" Drive 6 Point SAE Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09921	375 mm	180 mm	45 mm	0	4	17.8 kg

**CONTENTS:**

- 15 - 6Pt. S.A.E. Sockets  
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"
- 5 - 6Pt. S.A.E. Deep Sockets 1/2, 9/16, 5/8, 3/4, 13/16"
- 5 - Accessories  
Quick-Release Ratchet  
Wobble Extension 10"  
Locking Extension 5"  
Universal Joint  
3/8" F x 1/2" M 3-Way Adapter



### 29 Pc. 3/8" Drive 6 Point SAE Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09920	375 mm	180 mm	45 mm	0	4	12.6 kg

**CONTENTS:**

- 11 - 6Pt. S.A.E. Sockets  
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
- 9 - 6Pt. S.A.E. Deep Sockets  
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
- 2 - Spark Plug Sockets 5/8, 13/16"
- 7 - Accessories  
Quick-Release Ratchet  
Wobble Extension 10"  
Locking Extension 3"  
Universal Joint  
3/8" F x 1/4" M Adapter  
Bit Adapter  
1/2" F x 3/8" M 3-Way Adapter



### 27 Pc. SAE Combination Wrench and Hex Key Tray Set

Cat. No.	Length	Width	Height			G.W.
09922	375 mm	180 mm	45 mm	0	4	10 kg

**CONTENTS:**

- 9 - S.A.E. Combination Wrenches  
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"
- 9 - Extra Long Ball Point Hex Key Set  
1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
- 9 - Long Arm Tamper-Proof Torx® Key Set  
T10, T15, T20, T25, T27, T30, T40, T45, T50





### 14 Pc. SAE Double Ratcheting Combination Wrench Set

Cat. No.	Length	Width	Height			G.W.
09923	375 mm	180 mm	45 mm	0	4	8.5 kg

**CONTENTS:**

- 10 - S.A.E. Double Ratcheting Combination Wrenches  
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
- 1 - 1/4"Dr. x 10 mm Quick-Release Adapter
- 1 - 3/8"Dr. x 13 mm Quick-Release Adapter
- 1 - 1/2"Dr. x 19 mm Quick-Release Adapter
- 1 - 1/4"Dr. x 10 mm Bit Adapter



### 21 Pc. 1/2" Drive 6 Point SAE Socket Tray Set

Cat. No.	Length	Width	Height			G.W.
09924	375 mm	180 mm	45 mm	0	4	15 kg

**CONTENTS:**

- 15 - 6Pt. S.A.E. Sockets  
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"
- 5 - 6Pt. S.A.E. Deep Sockets 1/2, 9/16, 5/8, 3/4, 13/16"
- 1 - Quick-Release Ratchet



### 19 Pc. Metric Double Ratcheting Combination Wrench Tray Set

Cat. No.	Length	Width	Height			G.W.
09925	375 mm	180 mm	45 mm	0	4	9.2 kg

**CONTENTS:**

- 15 - Double Ratcheting Combination Wrenches  
5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
- 1 - 1/4"Dr. x 10 mm Quick Release Adapter
- 1 - 3/8"Dr. x 13 mm Quick Release Adapter
- 1 - 1/2"Dr. x 19 mm Quick Release Adapter
- 1 - 1/4"Dr. x 10 mm Bit Adapter



### 4 Pc. Striking Tool Tray Set

Cat. No.	Length	Width	Height			G.W.
09932	375 mm	180 mm	45 mm	0	4	15.5 kg

**CONTENTS:**

- 1 - 5 Pc. Punch Set
- 1 - 32 Pc. Feeler Gauges Set
- 1 - Ball Pein - Wood Handle 680G / 24oz
- 1 - Finishing - Wood Handle 35mm



### 70 Pc. 6 Point Metric Cantilever Tool Chest and Tray Set

Cat. No.			G.W.
95104A-70-6	1	1	13 kg

**CONTENTS:**

- 1 - 5 Cantilever Tool Chest
- 3 - 1/2"Dr. 6pt. Metric Deep Sockets 17, 19, 21 mm
- 17 - 1/2"Dr. 6pt. Metric Sockets  
8, 9, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm
- 49 - Accessories  
1/2"Dr. Quick-Release Ratchet  
1/2"Dr. Wobble Extensions 5", 10"  
1/2"Dr. Universal Joint  
1/2"Dr. Offset Handle 260 mm  
12" Adjustable Wrench  
Acetate Slotted Screwdriver 5x75 mm, 6x150 mm  
Acetate Phillips Screwdriver #1x75 mm, #2x150 mm  
Ball Pein Hammer - Wood Handle 24 oz  
8 Pc. Metric Foldup Hex Key Set  
16 Pc. Feeler Gauges Set  
Combination Wrenches 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 24 mm  
6" Long Nose Pliers  
6" Diagonal Cutting Pliers  
7" Linesman Pliers



### 70 Pc. 12 Point Metric Cantilever Tool Chest and Tray Set

Cat. No.			G.W.
95104A-70	1	1	13 kg

**CONTENTS:**

- 1 - 5 Cantilever Tool Chest
- 3 - 1/2"Dr. 12pt. Metric Deep Sockets 17, 19, 21 mm
- 17 - 1/2"Dr. 12pt. Metric Sockets  
8, 9, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm
- 49 - Accessories  
1/2"Dr. Quick-Release Ratchet  
1/2"Dr. Wobble Extensions 5", 10"  
1/2"Dr. Universal Joint  
1/2"Dr. Offset Handle 260 mm  
12" Adjustable Wrench  
Acetate Slotted Screwdriver 5x75 mm, 6x150 mm  
Acetate Phillips Screwdriver #1x75 mm, #2x150 mm  
Ball Pein Hammer - Wood Handle 24 oz  
8 Pc. Metric Foldup Hex Key Set  
16 Pc. Feeler Gauges Set  
Combination Wrenches 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 24 mm  
6" Long Nose Pliers  
6" Diagonal Cutting Pliers  
7" Linesman Pliers





### 171 Pc. General Tool Set

Cat. No.	0	1	G.W.
95207S			28 kg

**CONTENTS:**

- 10 - 1/4"Dr. 6pt. Metric Sockets 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- 3 - 1/4"Dr. 6pt. Metric Deep Sockets 6, 7, 10 mm
- 9 - 3/8"Dr. 6pt. Metric Sockets 8, 9, 10, 11, 12, 13, 14, 15, 16 mm
- 3 - 3/8"Dr. 6pt. Metric Deep Sockets 13, 15, 16 mm
- 10 - 1/2"Dr. 6pt. Metric Sockets 10, 14, 15, 16, 17, 18, 19, 21, 22, 27 mm
- 2 - 1/2"Dr. 6pt. Metric Deep Sockets 17, 19 mm
- 11 - 1/2"Dr. 12pt. Metric Sockets 10, 11, 12, 13, 17, 19, 20, 22, 24, 30, 32 mm
- 4 - 1/4"Dr. Bit Sockets Hex 5, 6 mm Pozidriv #2 Slotted 5.5 mm
- 5 - 3/8"Dr. Bit Sockets Torx® T10, T15, T20, T25, T30
- 5 - 1/2"Dr. 50L Bit Sockets Hex 5, 6, 7, 8, 10 mm
- 4 - 1/2"Dr. 100L Bit Sockets Torx® T25, T27, T30, T45 mm
- 6 - 1/2"Dr. 100L Bit Sockets Hex 5, 6, 7, 8, 12, 14 mm
- 3 - 1/2"Dr. 100L Bit Sockets 12pt. M6, M8, M10
- 4 - 1/2"Dr. 6pt. Metric Impact Sockets 17, 19, 21, 22 mm
- 92 - Accessories
  - 1/2" Dr. Air Impact Wrench
  - 9 Pc. Metric Long Arm Ball Point Set
  - 16 Pc. Feeler Gauges Set
  - 1/4"Dr. Quick-Release Ratchet
  - 1/4"Dr. Extensions 2", 4"
  - 1/4"Dr. Spinner Handle
  - 1/4"Dr. Universal Joint
  - 1/4" Dr. Flex Extension
  - 3/8"Dr. Quick-Release Ratchet
  - 3/8"Dr. Locking Extension
  - 3/8"Dr. Universal Joint
  - 3/8"Dr. Socket Adaptor
  - 3/8"Dr. Metric Spark Plug Sockets 16, 21 mm
  - 3/8"Dr. Flex Extension
  - 1/2"Dr. Quick-Release Ratchet
  - 1/2"Dr. Wobble Extensions 5", 10"
  - 1/2"Dr. T-handle
  - 1/2"Dr. Universal Joint
  - 1/2"Dr. Socket Adaptor
  - Japanese Style Plug R1/4"
  - Metric Combination Wrenches  
7, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 27 mm
  - Double Open End Wrenches  
8x10, 10x12, 11x13, 12x14, 14x17, 16x18, 17x19, 21x23, 22x24 mm
  - Deep Offset Double Box End Wrenches  
8X9, 10x11, 12x13, 14x15, 18x19, 20x22, 24x27 mm
  - T-handle 6pt. Metric Socket 10 mm
  - Flat Beam Torque Wrench 3Nm
  - Acetate Screwdrivers Torx®  
T10x100, T15x100, T20x100, T25x100, T27x100, T30x100 mm
  - Acetate Screwdrivers Slotted  
6x38, 3.2x75, 5x100, 6x150, 8x150 mm
  - Acetate Screwdrivers Phillips  
#1x75, #2x38, #2x100, #3x150 mm
  - Flexible Megnetic Pickup Tool 400 mmx1 kg
  - Slip Joint Pliers 8"
  - External Snap Ring Straight Pliers 7"
  - External Snap Ring Curved Pliers 7"
  - Internal Snap Ring Straight Pliers 7"
  - Internal Snap Ring Curved Pliers 7"
  - Ball Pein - Wood Handle Hammer 24 oz
  - Air Blow Gun 100 mm
  - End Cap Oil Filter Wrench 65, 74, 76, 90, 93 mm
  - Universal 3-jaw Oil Filter Wrench 63-102 mm
  - Oil Filter Wrench 75-95 mm
  - 6" Long Nose Pliers
  - 5" Diagonal Pliers
  - 7" Linesman Pliers



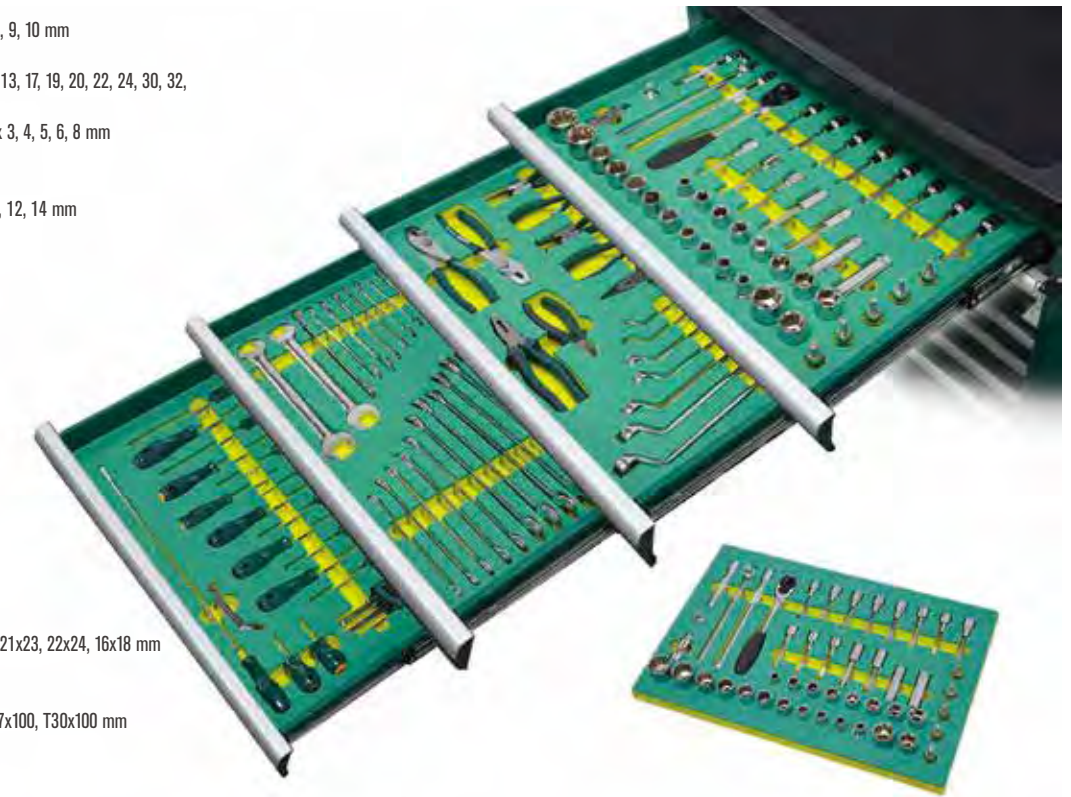
- This set includes most general products for wide range of applications
- With SATA highest quality dual color EVA pads can greatly improve work efficiency
- Suitable for 95207 Tool Trolley
- Trolley not included

### 103 Pc. General Tool Set

Cat. No.	0	1	G.W.
95208S			23 kg

**CONTENTS:**

- 7 - 1/4"Dr. 6pt. Metric Sockets 5, 5.5, 6, 7, 8, 9, 10 mm
- 1 - 1/2"Dr. 6pt. Metric Deep Sockets 17 mm
- 12 - 1/2"Dr. 6pt. Metric Sockets 8, 10, 11, 12, 13, 17, 19, 20, 22, 24, 30, 32,
- 16 - 1/4"Dr. Bit Sockets
  - Torx® T10, T15, T20, T25, T30, T40 Hex 3, 4, 5, 6, 8 mm
  - Phillips #1, #2 Slotted 4, 5.5, 6.5 mm
- 10 - 1/2"Dr. 100L Bit Sockets
  - Torx® T25, T27, T30, T40 Hex 5, 6, 7, 8, 12, 14 mm
- 57 - Accessories
  - Half Round File Bastard 6", Smooth 6"
  - Round File Second 6"
  - Three Square File Second 6"
  - 9 Pc. Metric Long Arm Ball Point Set
  - Plastic Rivet Removal Pliers
  - 1/4"Dr. Quick-Release Ratchet
  - 1/4"Dr. Extensions 2", 4"
  - 1/4"Dr. T-handle
  - 1/4"Dr. Spinner Handle
  - 1/4"Dr. Universal Joint
  - 1/2"Dr. Quick-Release Ratchet
  - 1/2"Dr. Wobble Extensions 5", 10"
  - 1/2"Dr. T-handle
  - 1/2"Dr. Universal Joint
  - Double Open End Wrenches  
8x10, 10x12, 11x13, 12x14, 14x17, 17x19, 21x23, 22x24, 16x18 mm
  - Adjustable Wrench 8"
  - Acetate Screwdrivers Torx®  
T10x100, T15x100, T20x100, T25x100, T27x100, T30x100 mm
  - Acetate Screwdrivers Slotted  
6x38, 3.2x75, 5x100, 6x150 mm
  - Acetate Screwdrivers Phillips  
#1x75, #2x38, #2x100 mm
  - T Series Go-through Screwdriver Slotted 8x150 mm
  - T Series Go-through Screwdriver Phillips #3x150 mm
  - Curved Jaw Easy released Pliers 10"
  - Long Nose Locking Pliers 6"
  - Metal Sheet Clamp Locking Pliers 8"
  - C-clamp Locking Pliers 11"
  - Standard Bumping Hammer 320 g
  - Curved Pein and Finishing Hammer 280 g
  - Anvil Dolly, Wedge Dolly, Toe Dolly
  - Hickory Ball Pein Hammer 24 oz
  - Pinch Bar 18x400 mm
  - Hickory Handle Dead Blow Hammer 40 mm
  - Aviation Snips 10" Left-hand Cut, Right-hand Cut
  - Hack Saw 12"



- This set includes most general products for wide range of applications
- With SATA highest quality dual color EVA pads can greatly improve work efficiency
- Suitable for 95208 Tool Trolley
- Trolley not included





## Punch



### 5 Pc. Punch Set

Cat. No.			G.W.
09161	20	40	14.4 kg

- CONTENTS:**
- 1 - Center Punch 4mm
  - 1 - Drift Punch 3mm
  - 1 - Pin Punch 4mm
  - 1 - Cape Chisel 5mm
  - 1 - Flat Chisel 12mm



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:
  - Chisel: ASME B107.47M-1998
  - Punch: ASME B107.48M-1998
- Product dimensional accuracy exceeds German DIN standard

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 6 Pc. Pin Punch Set

Cat. No.			G.W.
09162	6	24	17.5 kg

- CONTENTS:**
- 2, 3, 4, 5, 6, 8mm



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:
  - Punch: ASME B107.48M-1998
- Product dimensional accuracy exceeds German DIN standard

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 3 Pc. Chisel Set

Cat. No.			G.W.
09163	3	6	12.1 kg

- CONTENTS:**
- Flat Chisels 20, 22, 25mm



- Powder Coating treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:
  - Chisel: ASME B107.47M-1998
- Product dimensional accuracy exceeds German DIN standard

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 13 Pc. Punch and Chisel Set

Cat. No.			G.W.
09164	4	8	11.3 kg

- CONTENTS:**
- 2 - Center Punches 4, 5mm
  - 1 - Drift Punch 3mm
  - 6 - Pin Punches 2, 3, 4, 5, 6, 8mm
  - 1 - Cape Chisel 5mm
  - 3 - Flat Chisels 12, 15, 18mm



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:
  - Chisel: ASME B107.47M-1998
  - Punch: ASME B107.48M-1998
- Product dimensional accuracy exceeds German DIN standard

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Center Punches

Cat. No.	Size	Tapping Surface		Overall Length	📦	📦	G.W.
		Outside Diameter	Overall Length				
90751	4 mm	8 mm	120 mm	10	300	17.4 kg	
90762	5 mm	10 mm	150 mm	10	120	13.7 kg	



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:  
- Punch product:ASME B107.48M-1998
- product dimensional accuracy exceeds German DIN standard

**⚠️ Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.**

### Pin Punches

Cat. No.	Size	Tapping Surface		Overall Length	📦	📦	G.W.
		Outside Diameter	Overall Length				
90771	2 mm	8 mm	150 mm	10	200	12.2 kg	
90772	3 mm	8 mm	150 mm	10	200	12.3 kg	
90753	4 mm	8 mm	150 mm	10	300	18.1 kg	
90774	5 mm	8 mm	150 mm	10	200	14.3 kg	
90775	6 mm	10 mm	150 mm	10	120	12.2 kg	
90776	8 mm	10 mm	150 mm	10	120	13.5 kg	



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:  
- Punch product:ASME B107.48M-1998
- product dimensional accuracy exceeds German DIN standard

**⚠️ Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.**

### Cold Chisels

Cat. No.	Size	Tapping Surface		Overall Length	📦	📦	G.W.
		Outside Diameter	Overall Length				
90782	15 mm	10 mm	150 mm	10	120	15.3 kg	
90783	18 mm	12 mm	175 mm	10	80	16.4 kg	



- Chromate treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:  
- Chisel product:ASME B107.47M-1998
- product dimensional accuracy exceeds German DIN standard

**⚠️ Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.**

### Cold Chisels

Cat. No.	Size	Tapping Surface		Overall Length	📦	📦	G.W.
		Outside Diameter	Overall Length				
90784	20 mm	14 mm	200 mm	6	48	15 kg	
90785	22 mm	18 mm	250 mm	6	24	14.6 kg	
90786	25 mm	20 mm	300 mm	4	16	14.3 kg	



- Powder Coating treatment is resistant to rust
- Made of 60CR-V steel to provide maximum strength and durability
- Complies to USA ASME safety requirement:  
- Chisel product:ASME B107.47M-1998
- product dimensional accuracy exceeds German DIN standard

**⚠️ Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.**

### Standard Bumping Hammer

Cat. No.	Head Weight		Head Length	Overall Length	📦	📦	G.W.
	(Grams)	Head Length					
92101	310 g	97 mm	330 mm	6	36	16.4 kg	



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken

### Heavy Shrinking Hammer

Cat. No.	Head Weight		Head Length	Overall Length	📦	📦	G.W.
	(Grams)	Head Length					
92102	310 g	97 mm	330 mm	6	36	15.6 kg	



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken



### Curved Pein and Finishing Hammer

Cat. No.	Head Weight		Head Length	Overall Length	6	36	G.W.
	(Grams)	(Ounces)					
92103	280 g	10.2 oz	140 mm	330 mm	6	36	15.8 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken

### Light Shrinking Hammer

Cat. No.	Head Weight		Head Length	Overall Length	6	36	G.W.
	(Grams)	(Ounces)					
92104	310 g	10.9 oz	97 mm	330 mm	6	36	16.9 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken

### Straight Pein and Finishing Hammer

Cat. No.	Head Weight		Head Length	Overall Length	6	36	G.W.
	(Grams)	(Ounces)					
92105	280 g	10.2 oz	140 mm	330 mm	6	36	16.2 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken

### Pick and Finishing Hammer

Cat. No.	Head Weight		Head Length	Overall Length	6	36	G.W.
	(Grams)	(Ounces)					
92106	265 g	9.4 oz	137 mm	330 mm	6	36	15.6 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Forging hammer head with quenching treatment to prevent easy broken

### Fiberglass Ball Pein Hammers

Cat. No.	Head Weight		Overall Length	2	8	G.W.
	(Grams)	(Ounces)				
92302	454 g	16 oz	343 mm	2	8	6.3 kg
92303	680 g	24 oz	349 mm	2	8	9.1 kg
92304	910 g	32 oz	376 mm	2	8	10.6 kg



- Fiberglass handle provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Hammer head is made of high carbon steel to withstand strong impact

### Fiberglass Claw Hammers

Cat. No.	Head Weight		Overall Length	2	8	G.W.
	(Grams)	(Ounces)				
92306	454 g	16 oz	330 mm	2	8	6.7 kg
92307	680 g	24 oz	380 mm	2	8	8.8 kg



- Fiberglass handle provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Hammer head is made of high carbon steel to withstand strong impact

### Fiberglass Claw Hammers

Cat. No.	Head Weight		Overall Length	6	24	G.W.
	(Grams)	(Ounces)				
92306ME	454 g	16 oz	320 mm	6	24	19 kg
92307ME	567 g	20 oz	390 mm	6	24	20 kg



- Hammer head is made of carbon steel, drop forged, hardened and tempered
- Deluxe fiberglass handle
- Non-slip molded cushion grip

### Hickory Ball Pein Hammers

Cat. No.	Head Weight (Grams)	Head Weight (Ounces)	Overall Length			G.W.
92312	454 g	16 oz	336 mm	6	12	9.2 kg
92313	680 g	24 oz	356 mm	6	12	12 kg
92314	910 g	32 oz	376 mm	6	12	15.2 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Hammer head is made of high carbon steel to withstand strong impact

### Hickory Claw Hammers

Cat. No.	Head Weight (Grams)	Head Weight (Ounces)	Overall Length			G.W.
92322	370 g	13 oz	308 mm	6	12	7.5 kg
92323	454 g	16 oz	330 mm	6	12	8.5 kg
92324	567 g	20 oz	330 mm	6	12	9 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Hammer head is made of high carbon steel to withstand strong impact

### Wood Claw Hammers

Cat. No.	Head Weight (Grams)	Head Weight (Ounces)	Overall Length			G.W.
92323ME	454 g	16 oz	320 mm	6	24	15 kg
92325ME	567 g	20 oz	338 mm	6	24	19 kg



- Hammer head is made of carbon steel, drop forged, hardened and tempered
- Fully polished head



### Hickory Engineers Hammers

Cat. No.	Head Weight (Grams)	Overall Length			G.W.
92401	200 g	285 mm	8	16	5.5 kg
92402	300 g	300 mm	8	16	7.9 kg
92403	400 g	320 mm	4	8	4.8 kg
92404	500 g	320 mm	4	8	5.6 kg
92405	800 g	350 mm	4	8	8.8 kg
92406	1000 g	360 mm	4	8	10.7 kg



- HICKORY wood handle is durable and provides comfortable grip
- Unique embedding process to prevent hammer head easily fall off
- Hammer head is made of high carbon steel to withstand strong impact

### Hickory Soft Face Hammers

Cat. No.	Head Weight (Grams)	Overall Length			G.W.
92501	160 g	260 mm	6	60	8.4 kg
92502	162 g	300 mm	6	12	2.8 kg
92503	308 g	320 mm	6	12	4.8 kg
92504	454 g	320 mm	6	12	6.7 kg
92505	778 g	385 mm	4	8	8 kg



- HICKORY wood handle is durable and provides comfortable grip
- Suitable for different working environment
- Hammer head can be replaced with Soft or hard hammer head
- Hammer head is made of Aluminum Alloy with interchangeable soft-face / hard-face hammer tips

Plastic hammer head is not covered under Lifetime Warranty.

### Soft Face Hammer Tip

Cat. No.	Diameter			G.W.
92521	22 mm	6	180	8.1 kg
92522	28 mm	6	144	9 kg
92523	35 mm	6	162	9.6 kg
92524	45 mm	6	48	4.4 kg
92525	60 mm	6	48	8 kg



- Suitable for installing work without damaging the object surface
- It will not be deformed, broken or leave any remnants
- Hammer head hardness match material surface hardness can avoid surface abrasion and dents
- Suitable for tapping soft materials such as plastic, soft lead, wood and brass...etc.

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.






**Hard Face Hammer Tip**

Cat. No.	Diameter			G.W.
92531	22 mm	6	360	5.8 kg
92532	28 mm	6	180	7.7 kg
92533	35 mm	6	96	7.8 kg
92534	45 mm	4	48	6.7 kg
92535	60 mm	4	80	14.2 kg

- Suitable for installing work without damaging the object surface
- It will not be deformed, broken or leave any remnants
- Hammer head hardness match material surface hardness can avoid surface abrasion and dents
- Suitable for tapping soft materials such as plastic, soft lead, wood and brass. etc.


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



**Dead Blow Hammers**


Cat. No.	Head Weight (Grams)	Overall Length			G.W.
92901	400 g	260 mm	6	36	16.2 kg
92902	520 g	286 mm	6	24	15.4 kg
92903	1050 g	350 mm	4	16	18.3 kg
92904	1500 g	370 mm	2	12	20.5 kg

- Hammer head consists of ball-bearings for impact absorbing
- Soft face hammer does not damage surface/equipments or cause sparks
- Appropriate for fire prevention environment
- Industrial NB rubber absorbs impact, resistant to oil and provides a non-slip, comfortable grip


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



**Rubber Mallet Hammers**

Cat. No.	Head Weight (Grams)	Overall Length			G.W.
92912ME	454 g	330 mm	6	36	21 kg
92913ME	567 g	331 mm	6	24	28 kg



 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



**Auto Specialty Tool**

- Tools that have been specially designed to your greatest conveniences
- Simplify your job
- Easy to use
- Reliable and Safe to use

Specially designed wrench removes and installs hard-to-reach oil filters.

Two-way action installs or removes filters.

Mostly used in measuring the clearance between two parts.





### 6Pc. Automotive Body Repair Tool Set

Cat. No.	0	2	G.W.
09152			14.6 kg

**CONTENTS:**

- 1 - Anvil Dolly
- 1 - Wedge Dolly
- 1 - Pry Bumping Spoon
- 1 - Toe Dolly
- 1 - Light Shrinking Hammer
- 1 - Pick & Finishing Hammer



### 14 Pc. Feeler Gauge Set 0.05-1.00mm

Cat. No.	24	144	G.W.
09401			12.1 kg

**CONTENTS:**

- 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm



- Meet DIN2275 & JIS B 7524-1992 standard
- Blade length 3"
- Blade is made of 65#Mn polished steel

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 32 Pc. Feeler Gauge Set 0.02-1.00mm

Cat. No.	24	144	G.W.
09407			20.7 kg

**CONTENTS:**

- 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00mm



- Meet DIN2275 & JIS B 7524-1992 standard
- Blade length 3.5"
- Blade is made of 65#Mn polished steel

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 8 Pc. End Cap Oil Filter Wrench Set

Cat. No.	0	4	G.W.
09703			10.8 kg

**CONTENTS:**

- 6 - 3/8"Dr. End Cap Oil Filter Wrenches 65, 74, 76, 80, 90, 93 mm
- 1 - 3/8"Dr. Quick-Release Ratchet
- 1 - 1/2"F x 3/8"M Socket Adapter



- Caution: Do not use with power tools
- Specially designed wrench removes and installs hard-to-reach oil filters

### 16 Pc. Feeler Gauge Set 0.05-1.00mm

Cat. No.	12	144	G.W.
09402			17.4 kg

**CONTENTS:**

- 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.50, 0.55, 0.60, 0.70, 0.75, 0.80, 0.90, 1.00mm



- Meet DIN2275 & JIS B 7524-1992 standard
- Blade length 3"
- Blade is made of 65#Mn polished steel

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 23 Pc. Feeler Gauge Set 0.02-1.00mm

Cat. No.	36	144	G.W.
09405			16.6 kg

**CONTENTS:**

- 0.02, 0.03, 0.04, 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, 1.00mm



- Meet DIN2275 & JIS B 7524-1992 standard
- Blade length 4"
- Blade is made of 65#Mn polished steel

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 50 Pc. Automotive Tool Set

Cat. No.	0	2	G.W.
09508			19 kg

**CONTENTS:**

- 11 - 1/2"Dr. 12pt. Metric Sockets 8, 10, 12, 17, 18, 19, 20, 21, 22, 24, 27 mm
- 1 - 1/2"Dr. 50L Bit Socket Hex 17 mm
- 1 - 1/2"Dr. 100L Bit Socket Hex 7 mm
- 9 - 1/2"Dr. Extra Long Bit Sockets Hex 6x70, 8x120, 6x250, 5x180, 6x140, 10x140 mm Triple Square M8x100, M10x120, M10x140 mm
- 9 - Extra Long Arm Ball Point Hex Key Set 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
- 2 - 1/2"Dr. Spark Plug Sockets 16, 21 mm
- 2 - Cushion Grip Go-Through Screwdrivers Slotted 6x100 mm Phillips #6x100 mm
- 15 - Accessories 1/2"Dr. Quick-Release Ratchet 1/2"Dr. T-handle 1/2"Dr. Wobble Extensions 5", 10" 1/2"Dr. Universal Joint 1/2"Dr. Offset Handle 260mm 3/8"Dr. Two Way Oil Filter Wrench with Adapter Raised Panel Combination Wrenches 8, 10, 13, 17, 19, 22 mm Front Shock Absorption Install Tool Shock Absorption Install Socket





### 56 Pc. Automotive Tool Set

Cat. No.	0	4	G.W.
09509			20.2 kg

**CONTENTS:**

- 15 - 3/8"Dr. 6pt. Metric Sockets  
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
- 15 - 1/4" Shank 25L Bits  
Slotted 4, 5, 6.5 mm  
Phillips #1, #3 Hex 3, 4, 5, 6 mm  
Tamper Torx® T10, T15, T20, T25, T30, T40
- 2 - 3/8"Dr. Spark Plug Sockets 16, 21 mm
- 2 - Cushion Grip Go-Through Screwdrivers  
Slotted 6x100 mm  
Phillips #2x100 mm
- 22 - Accessories  
1/4"Dr. Spinner Handle  
1/4"Dr. Adapter  
1/4"Dr. x 1/4"Shank Bit Adapter  
3/8"Dr. Quick-Release Ratchet  
3/8"Dr. Wobble Extensions 3", 10"  
3/8"Dr. Universal Joint  
3/8"Dr. Adapter  
1/2"Dr. 3-Way Adapter  
Combination Wrenches 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 22 mm  
Long Nose Pliers 6"  
Slip Joint Pliers 8"



### 5 Pc. Fine Threaded Extractor Set

Cat. No.	6	72	G.W.
09704			11.1 kg

**CONTENTS:**

- 2, 3, 4, 6.5, 7mm



- For removing screws and studs that cannot be held firmly
- Made from hardened and tempered steel(Cr-Mo)
- Tapered extractors for broken screws and studs

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 5 Pc. Coarse Threaded Extractor Set

Cat. No.	6	72	G.W.
09704A			11.1 kg

**CONTENTS:**

- 3.3, 5.3, 6.4, 8.8, 11.2mm



- Coarse thread design for longer usage life
- Easy to use for quick removing broken screws
- Selection of GCr15 bearing steel materials. Hardness can reach HRC58-60

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 5 Pc. Hook and Pick Set

Cat. No.	20	200	G.W.
09709			11 kg



- It's convenient to work on O-rings, seals and spilt pins etc.
- Heat-treated to improve durability
- Includes a piece of Magnetic extra long handle

### Cross Wheel Wrench

Cat. No.	Size	4	12	G.W.
48101	17, 19, 21mm, 1/2 in			17 kg



- Made of Chrome Vanadium steel
- ⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Digital Circuit Tester

Cat. No.	24	240	G.W.
62601			9.8 kg



- Do not use as normal screwdrivers
- Do not test on 380 Voltage electric sources
- Direct or in-direct measure for 12, 36, 55, 110 and 220 Voltage(AC & DC)
- Induction test for easy break-point test, microwave radiation and leakage conditions
- LCD digital display
- No battery required

**⚠** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 2-Jaw Gear Pullers

Cat. No.	Size	Overall Length	Jaw Capacity	0	48	G.W.
90623	3 in	125 mm	75 mm			20.2 kg
90624	4 in	155 mm	100 mm			20.2 kg
90626	6 in	240 mm	150 mm			21.4 kg
90628	8 in	325 mm	200 mm			19 kg



- Slip-resistant jaws design
- The shaft tip has gone through special heat treatment to increase durability

### 3-Jaw Gear Pullers

Cat. No.	Size	Overall Length	Jaw Capacity			G.W.
90633	3 in	125 mm	75 mm	0	24	14.5 kg
90634	4 in	155 mm	100 mm	0	18	20.1 kg
90636	6 in	240 mm	150 mm	0	8	20.9 kg
90638	8 in	325 mm	200 mm	0	4	21.6 kg
90640	10 in	340 mm	250 mm	0	3	25 kg
90642	12 in	385 mm	300 mm	0	2	22 kg



- Slip-resistant jaws design
- The shaft tip has gone through special heat treatment to increase durability

### Universal Ball Joint Separator

Cat. No.			G.W.
90651	0	18	19 kg



- Made of Chrome Vanadium steel with special heat treatment
- For separating ball joints

### Outer Tie Rod Remover

Cat. No.			G.W.
90661	0	18	14.5 kg
90662	6	12	14 kg



- Slip-resistant jaws design
- High quality screws to ensure maximum Torque
- Made of Chrome Vanadium steel with special heat treatment
- For separating ball joints

### Anvil Dolly

Cat. No.			G.W.
92203	6	12	17 kg



- Made of high carbon steel by forging and tempering, boosting strength and durability

### Wedge Dolly

Cat. No.			G.W.
92205	6	12	20.5 kg



- Made of high carbon steel by forging and tempering, boosting strength and durability

### Ball Joint Separator 12"

Cat. No.			G.W.
90665	6	24	19.3 kg



- Powerful tool for separating ball joint.
- To insert the tool to appropriate place and knock with a hammer to separate the ball joint.
- It can withstand strong knocking

### Pry Bumping Spoon

Cat. No.			G.W.
92209	0	12	17 kg



- Made of high carbon steel by forging and tempering, boosting strength and durability

### Rigid Scraper

Cat. No.			G.W.
97105	12	72	15.5 kg



- Scrapes surfaces clean for installing new gaskets

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Toe Dolly

Cat. No.			G.W.
92207	6	12	18 kg



- Made of high carbon steel by forging and tempering, boosting strength and durability

### Wood Handle Putty Scraper

Cat. No.			G.W.
95201	6	60	8.4 kg



- Can be used for clearing dirt on engine cylinder surface and all kind of metal surface
- Wood handle provides more comfortable
- Heavy Duty edge

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Grease Gun Coupler

Cat. No.			G.W.
97211	18	72	3.3 kg



- Nozzle with ball-bearing ensures no reverses flow

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Flexible Whip Hose

Cat. No.	Overall			G.W.
	Length			
97212	300 mm	9	72	7.2 kg
97213	450 mm	9	72	9.6 kg



- High-strength pressure nylon hose can easily insert the work area.

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Universal 3-Jaw Oil Filter Wrench

Cat. No.	Max	Min			G.W.
	Diameter	Diameter			
97422	102 mm	63 mm	2	16	7.8 kg



- Torque output increased by 10%
- Works with 1/2" and 3/8" drive tools.
- Two-way action installs or removes filters

### 1/2" Drive Oil Filter Strap Wrench

Cat. No.	Max			G.W.
	Diameter			
97441	120 mm	4	32	7 kg

- The strong and durable nylon belt can work in confined space
- It can demount oil filters with a diameter below 120mm
- It can work with 1/2" drive tools and 13/16" spinner handles

### End Cap Oil Filter Wrenches

Cat. No.	Max	Min			G.W.
	Diameter	Diameter			
97401	65 mm	65 mm	4	32	6 kg
97403	74 mm	74 mm	4	32	6.4 kg
97404	76 mm	76 mm	4	32	6.4 kg
97405	80 mm	80 mm	4	32	6.8 kg
97406	90 mm	90 mm	4	32	6.8 kg
97407	93 mm	93 mm	4	32	6.8 kg



- Works with 3/8" DR. or 1/2" DR drive tools.
- Special design with Chromate treatment

### Adjustable Oil Filter Wrench Pliers

Cat. No.	Max	Min			G.W.
	Diameter	Diameter			
97426	116 mm	63.5 mm	6	36	17.5 kg



- Plastic wrapped handle provides comfortable grip
- Two clamp handle allows larger clamping power.
- For removing 63.5-116mm oil filters



### Piston Ring Compressor

Cat. No.	Size			G.W.
97501	3 in	30	60	18.5 kg
97502	4 in	30	60	20.5 kg

- Working range:
- 97501 53-175MM
- 97502 60-175MM
- Tool is beaded along lower edge to prevent compressor from entering the cylinder
- Heavy spring steel compresses the stiffest rings evenly
- Positive lock action provides positive compression and fingertip release

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Valve Seal Removal Pliers

Cat. No.			G.W.
97511	6	48	19.7 kg

- For mounting and dismounting valve seals and springs



### Electrical Wire Stripper and Crimper

Cat. No.			G.W.
97521	6	72	17.3 kg

- Multi-purpose usage:
- Clamp
- Insulated crimping pliers
- Wire stripper(0.75-6MM)
- Non-insulated crimping pliers
- Cable cutter 7-8MM
- Auto crimping pliers
- Bolt cutter M2.6-M5



### Drop Forged Coil Spring Compressor

Cat. No.	Size			G.W.
97701	270 mm	0	8	14.9 kg
97702	370 mm	0	8	17.1 kg

- Size:
- 97701: 270 mm
- 97702: 370 mm
- Special reinforced screw thread design to ensure safety
- Suitable for use where space under wheel arch is limited
- Works with 1/2" drive tools and 21mm sockets and wrenches Made of quality carbon steel



### Scissor Jack

Cat. No.	Maximum			G.W.
	Load			
97831	1.5 T	0	10	33 kg

- Supplied complete with cranking handle
- Lifting range 95-350mm


Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Hand-Operated Pistol Grip Grease Gun 100CC

Cat. No.			G.W.
97201	1	12	5.55 kg

- Suitable for: standard pack oil, seal oil can, 100CC bulk oil
- High strength pressure zinc alloy steel cast tip
- High strength heat-treated spring to ensure the pressure lasting and balance
- Speicail self-lock device for more safety and convenience
- Special design to add a steel ball inside to ensure the oil does not reflow
- Grease gun highest pressure 4500 PSI(315KGF/CM2)For cars, trucks, tractors, boats, road rollers, harvesters and large construction machinery

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.




NEW

### Hand-Operated Grease Gun 400CC

Cat. No.			G.W.
97202	1	12	9.5 kg

- Suitable for: standard 14OZ pack oil, seal oil can, 400CC bulk oil
- High strength pressure zinc alloy steel cast tip
- High strength heat-treated spring to ensure the pressure lasting and balance
- Speicail self-lock device for more safety and convenience
- Special design to add a steel ball inside to ensure the oil does not reflow
- Grease gun highest pressure 10000PSI(700KGF/CM2)
- For cars, trucks, tractors, boats, road rollers, harvesters and large construction machinery

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



NEW

### Hand-Operated Plastic Handle Grease Gun 400CC

Cat. No.			G.W.
97203	1	12	9.5 kg

- Suitable for: standard 14OZ pack oil, seal oil can, 400CC bulk oil
- High strength pressure zinc alloy steel cast tip
- High strength heat-treated spring to ensure the pressure lasting and balance
- Speicail self-lock device for more safety and convenience
- Special design to add a steel ball inside to ensure the oil does not reflow
- Grease gun highest pressure 10000PSI(700KGF/CM2)
- For cars, trucks, tractors, boats, road rollers, harvesters and large construction machinery

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



NEW

### Hand-Operated Heavy Duty Grease Gun 600CC

Cat. No.			G.W.
97204	1	10	17.4 kg

- High strength cast iron gun tip for high pressure and high capacity
- Design for construction machinery and heavy duty machinery
- With taper nozzle for grease gun for special occasions refueling
- Can hold grease
- For excavators, loaders, graders, rollers, pavers and cranes and other machinery and equipment

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.




NEW

### Hand-Operated High Pressure Grease Gun 400CC

Cat. No.			G.W.
97205	1	12	7.9 kg

- Unique high and low pressure switch button for easy and convenient operation
- Patent loop exhaust mouth to ensure the grease gun work smoothly
- Patent big small shaft design to swich high and low pressure for refueling
- Unique square tooth veins design to ensure the convenience of equip gun tip and gun barrel
- Removable rear cover for easy cleaning barrel
- heavy duty thicken handle design for bearing higher operating force

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.




NEW

### Heavy Duty Service Jack 2.5 Ton

Cat. No.	Maximum Load			G.W.
97813	2.5 T	0	1	31.5 kg

- Ensure nominal deadweight achieve marked value to to ensure the use safety
- Each one have been through 1.5 times tonnage overload test and passed the test before leaving the factory to ensure sufficient loading safety factor
- The valve will automatically open and unloading automatically when loading weight reach to 1.1 times tonnage setting to ensure the safety
- Ultralow design can lift low chassis sports car
- Universal joint Steering mechanism for more durability
- Double oil line hydraulic pump for fast lifting
- Meet ASME PALD-2009
- Pedal design for easy operation and save effort
- Patent design dual handles for easy moving Service Jack

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



NEW

### Heavy Duty Low Profile Service Jack 1.5 Ton

Cat. No.	Maximum Load			G.W.
97816	1.5 T	0	1	46 kg

- Ensure nominal deadweight achieve marked value to to ensure the use safety
- Each one have been through 1.5 times tonnage overload test and passed the test before leaving the factory to ensure sufficient loading safety factor
- The valve will automatically open and unload automatically when loading weight reach to 1.1 times tonnage setting to ensure safety
- Ultralow design can lift low chassis sports car
- Universal joint Steering mechanism for more durability
- Double oil line hydraulic pump for fast lifting
- Meet ASME PALD-2009Pedal design for easy operation and save effort
- Patent design dual handles for easy moving Service Jack



 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.




NEW



### Heavy Duty Low Profile Service Jack 2 Ton



Cat. No.	Maximum Load			G.W.
97817	2 T	0	1	34 kg

- Ensure nominal deadweight achieve marked value to to ensure the use safety
- Each one have been through 1.5 times tonnage overload test and passed the test before leaving the factory to ensure sufficient loading safety factor
- The valve will automatically open and unload automatically when loading weight reach to 1.1 times tonnage setting to ensure safety
- Ultralow design can lift low chassis sports car
- Universal joint Steering mechanism for more durability
- Double oil line hydraulic pump for fast lifting
- Meet ASME PALD-2009
- Pedal design for easy operation and save effort
- Patent design dual handles for easy moving Service Jack


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Heavy Duty Low Profile Service Jack 3 Ton



Cat. No.	Maximum Load			G.W.
97818	3 T	0	1	46.5 kg

- Ensure nominal deadweight achieve marked value to to ensure the use safety
- Each one have been through 1.5 times tonnage overload test and passed the test before leaving the factory to ensure sufficient loading safety factor
- The valve will automatically open and unload automatically when loading weight reach to 1.1 times tonnage setting to ensure safety
- Ultralow design can lift low chassis sports car
- Universal joint Steering mechanism for more durability
- Double oil line hydraulic pump for fast lifting
- Meet ASME PALD-2009
- Pedal design for easy operation and save effort
- Patent design dual handles for easy moving Service Jack

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Low Profile Aluminum Service Jack 1.5 Ton



Cat. No.	Maximum Load			G.W.
97821	1.5 T	0	1	37.7 kg

- Ensure nominal deadweight achieve marked value to to ensure the use safety
- Each one have been through 1.5 times tonnage overload test and passed the test before leaving the factory to ensure sufficient loading safety factor
- The valve will automatically open and unload automatically when loading weight reach to 1.1 times tonnage setting to ensure safety
- Ultralow design can lift low chassis sports car
- Universal joint Steering mechanism for more durability
- Double oil line hydraulic pump for fast lifting
- Meet ASME PALD-2009 Pedal design for easy operation and save effort. Patent design dual handles for easy moving Service Jack
- Made of Aluminum alloy for light weight and rust resistance


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Rotating Handle Hydraulic Floor Jack



Cat. No.	Maximum Load			G.W.
97881	2 T	0	1	11.2 kg
97882	3 T	0	1	17.9 kg

- High carbon steel chassis provides maximum strength in a lightweight floor jack design
- Spring loaded" T" handle on floor jack can be activated to lower load in any handle position by pulling and rotating it clockwise 1/4 turn
- Additional foot pedal pumping provides fast saddle raising to the load
- Safety by-pass and overload systems protect hydraulic block
- Chromed ram and dust seals on floor jack prevent hydraulic contamination
- Designed for use in heavy duty truck, heavy construction and agricultural equipment maintenance garages


 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Hydraulic Bottle Jack

Cat. No.	Maximum Load			G.W.
97801	2 T	1	8	18.3 kg
97802	4 T	0	6	21.1 kg
97803	6 T	0	6	27 kg
97804	8 T	0	4	20.1 kg
97805	10 T	0	4	22.7 kg
97807	16 T	0	2	16.4 kg
97808	20 T	2	2	22.6 kg
97809	32 T	1	1	20.8 kg
97810	50 T	1	1	30.8 kg

- All steel construction
- Designed for use in automotive, industrial, construction or argricultural jobs for lifting, pushing, bending and straightening
- Adjustable top screw
- Fewer working parts, extremely smooth bearing surfaces, and close tolerances ensure trouble-free service and long life
- Screw adjustable pad Jacks can be used in vertical and horizontal positions

 Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.





### Long Ram Jack-Portable Hydraulic Equipment

Cat. No.	Maximum Load			G.W.
97899	4 T	1	1	19 kg



- They include pump, ram, and connecting hose with quick couple for fast easy detachment
- Easy to maintain, easy to clean remote control jacks deliver power where you need it, especially in hard to reach places on automotive frames and bodies

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 11 Pc. Driver's Tool Set

Cat. No.			G.W.
06011	0	4	11.2 kg

**CONTENTS:**

- 1 - 1/2" Dr. L Type Extendable Socket Wrench
- 2 - 1/2" Dr. Double-end Sockets 17x19, 21x23 mm
- 1 - Linesman Pliers 7"
- 1 - Long Nose Pliers 6"
- 1 - Adjustable Wrench 8"
- 1 - Acetate Screwdriver Slotted 6x100 mm
- 1 - Acetate Screwdriver Phillips #2x100 mm
- 1 - Tape Measure 3mx16 mm
- 1 - Utility Knife 18x100 mm
- 1 - LED Flashlight



### 15 Pc. Basic Tool Set

Cat. No.			G.W.
06008	0	4	13.1 kg

**CONTENTS:**

- 3 - Acetate Screwdrivers  
Slotted 5x100mm Phillips #1x100mm  
Circuit Tester 145mm
- 12 - Accessories  
Adjustable Wrench 8"  
Long Nose Pliers 6"  
Linesman Pliers 6"  
Insulated Tape  
Fine Point Tweezer  
Tape Measure 3mx16mm  
Utility Knife  
Scissors  
Aluminum Flashlight 5#  
Mini Hacksaw  
Hickory Claw Hammer 8 oz  
Plastic Box



### 16 Pc. Motorcycle Tool Set

Cat. No.			G.W.
09512	0	4	13.3 kg

**CONTENTS:**

- 9 - Combination Wrenches 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
- 3 - Double Box End Wrenches 8x10, 14x17, 19x21 mm
- 4 - Acetate Screwdrivers  
Phillips #2x38 mm, #2x150 mm  
Slotted 6x38 mm, 6x150 mm



### 8" High Leverage Riveter

Cat. No.	Overall Height	Overall Length	Overall Width			G.W.
90501	2.8 cm	21.0 cm	9.5 cm	1	10	6 kg



- High leverage for effortless setting of rivets
- Spring loaded handle ejects rivet stem automatically
- All steel construction for durability
- Comfortable rubber handle
- Nosepieces included on the handle
- To suit rivet sizes: 2.4mm (3/32"), 3.2mm (1/8"), 4.0mm (5/32"), 4.8mm (3/16")

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 11" High Leverage Riveter With Collection Bottle

Cat. No.	Overall Height	Overall Length	Overall Width			G.W.
90504	3.0 cm	27.5 cm	11.5 cm	10	20	16 kg



- Heavy duty steel construction
- Pulls and sets rivets up to 6.4mm
- High leverage two handle design provides the power to pull larger rivets
- Easily sets larger diameter rivets
- Plastic collection bottle attached to the tool

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 13" High Leverage Riveter With Collection Bottle

Cat. No.	Overall Height	Overall Length	Overall Width			G.W.
90502	4.0 cm	32.2 cm	14.0 cm	1	8	10 kg



- Heavy duty steel construction
- Pulls and sets rivets up to 6.4mm
- High leverage two handle design provides the power to pull larger rivets
- Easily sets larger diameter rivets
- Plastic collection bottle attached to the tool

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 5 Pc. 8" File Set

Cat. No.			G.W.
03901ME	6	12	12 kg

**CONTENTS:**

- 1- Flat File, Second Cut
- 1- Half Round File, Second Cut
- 1- Square File, Second Cut
- 1- Round File, Second Cut
- 1- Three Square File, Second Cut



- Precision engineered to provide maximum gram removal per stroke and amazing longevity
- Cushion handle provides optimal balance of strength, comfort and performance
- Raised ribs, wide middle, and flared neck prevent slipping
- Hang hole for easy storage

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### 53 Pc. Telecom Tool Set

Cat. No.			G.W.
09535	0	2	9 kg

**CONTENTS:**

- 11 - 1/4" Dr. 6pt. Metric Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- 15 - 1/4" Shank 25L Bits
  - Slotted 4, 5.5, 6.5 mm Phillips #1, #2, #3 Torx® T10, T15, T20 Hex 2, 2.5, 3, 4, 5, 6 mm
- 4 - Acetate Screwdrivers
  - Phillips #1x75 mm, #2x200 mm Slotted 5x75 mm, 6x100 mm
- 6 - Precision Combination Screwdrivers
  - Phillips #000x75 mm, #0x100 mm, #1x150 mm Slotted 2x75 mm, 3x100 mm, 4x150 mm
- 17 - Accessories
  - 1/4" Dr. Bit Adapter 25 mm
  - Bit Screwdriver With Magnet
  - Circuit Tester
  - Long Nose Pliers 6"
  - Diagonal Pliers 6"
  - Electrician's Knife
  - Long Life Soldering Iron 30w
  - Mini Stand For Soldering Iron
  - Anti-static Brush
  - Digital Multi-meter
  - Solder Absorber
  - Insulated Tape
  - Adjustable Wrench 6"
  - Solder Wire 1.0 mm / 17g
  - Aluminum Flashlight
  - Self Adjusting Cutter Stripper 6-1/2"
  - Tape Measure 3 mx16 mm



### Circuit Tester

Cat. No.	Overall Length			G.W.
62501	145 mm	12	252	8.1 kg
62502	190 mm	12	180	9.4 kg



- Do not use as normal screwdrivers
- Meet CE requirements
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum durability
- Measuring range 100-500VAC

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Flexible Magnetic Pickup Tool

Cat. No.	Size	Overall Height	Overall Length	Overall Width			G.W.
64102	8.0	2.5 cm	50.0 cm	2.5 cm	6	48	11.49 kg
64103	8.0	3.5 cm	51.2 cm	3.5 cm	12	72	0.20 kg
64104	6.0	3.2 cm	50.0 cm	3.2 cm	12	48	0.13 kg



- Acetate handle for greater strength, durability and impact resistant
- Long life soft shank surface with chrome plating can be any shape for working in any kind of working place
- High-strength magnets effectively adsorb the dropping workpiece

### Automotive Circuit Tester 6V/12V/24V

Cat. No.			G.W.
62503	10	40	3.6 kg



- Size: 6V-12V-24V
- It can be used in automobiles, motorcycles, bulldozers, rollers and other transportation machinery maintenance operations. Designed for detecting transport machinery low-voltage circuit fault.

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### C-Clamp

Cat. No.	Size	Maxi Crimping Depth	Maxi Crimping Thickness	Overall Height	Overall Length	Overall Width			G.W.
90433	3 in	48 mm	75 mm	9.2 cm	17.4 cm	17.9 cm	6	24	18 kg
90434	4 in	54 mm	100 mm	10.7 cm	21.6 cm	1.9 cm	4	16	18 kg
90435	6 in	70 mm	150 mm	12.9 cm	28.2 cm	2.1 cm	6	12	19 kg
90436	8 in	83 mm	200 mm	14.7 cm	34.3 cm	22.2 cm	1	8	18 kg



- Iron frame with steel screw and swivel, sliding pin handle
- Durable powder coated finish

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Mechanics Bench Vise

Cat. No.	Size	Maxi Crimping Width	Crimping Force			G.W.
70841	4 in	108 mm	1700 kg	0	1	17.7 kg
70842	5 in	133 mm	2100 kg	0	1	22 kg
70843	6 in	152 mm	3000 kg	0	1	29.9 kg
70845	8 in	203 mm	4000 kg	0	1	39.1 kg



- Excellent clamping force
- Machined base plate for smooth swivel with lug holes for secure positioning on work bench
- Large anvil work surface for shaping
- Replaceable serrated main jaws provide tight grip
- Square steel structure provides high strength clamping force for safety use
- Made of heavy duty cast iron

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Chrome Plated Tape Measure

Cat. No.	Tape Length	Tape Width			G.W.
91312ME	3 m	13 mm	12	144	13 kg
91314ME	5 m	19 mm	12	72	13 kg
91316ME	8 m	25 mm	12	48	19 kg
91317ME	10 m	25 mm	12	48	21 kg

- Metric/Imperial scale
- Bright yellow blade has clear easy-to-read numerals
- Clearcoat blade protection for longer blade life
- Case designed to fit perfectly in the hand
- High strength chrome finished case
- Fits easily into most tape holsters
- Removable belt clip

**!** Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### Rubber Grip Tape Measure

Cat. No.	Tape Length	Tape Width			G.W.
91333ME	3 m	16 mm	12	72	9 kg
91335ME	5 m	19 mm	12	72	15 kg
91336ME	8 m	25 mm	12	48	19 kg

- Metric/Imperial scale
- Bright yellow blade has clear easy-to-read numerals
- Clearcoat blade protection for longer blade life
- Case designed to fit perfectly in the hand
- Rubber cushion absorbs impact and improved grip
- Fits easily into most tape holsters
- Removable belt clip



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### ABS Case Tapes, Metric/SAE Scale

Cat. No.	Tape Width	Tape Length			G.W.
91321	16 mm	3.5 m	6	36	6 kg
91322	19 mm	5 m	6	36	8.5 kg
91323	25 mm	7.5 m	6	24	9.5 kg

- Clearcoat blade protection for longer blade life
- Case designed to fit perfectly in the hand
- Case made of high strength ABS plastic.
- Bright yellow blade has clear easy-to-read numerals
- Metric/Imperial scale



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Aluminum Box Level

Cat. No.	Size			G.W.
91601ME	30 cm	10	60	11 kg
91602ME	45 cm	10	60	15 kg
91603ME	60 cm	10	60	19 kg

- 0.5mm/m accuracy
- Built from one piece of aluminum for strength and durability
- Best frame strength-to-weight ratio
- Helps with fast and accurate installations
- Two shock absorbent end caps protect frame
- Ruler with scale for easy measurement



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Aluminum Magnetic Box Level

Cat. No.	Size			G.W.
91611ME	30 cm	10	30	7 kg
91612ME	45 cm	10	30	11 kg
91613ME	60 cm	10	30	15 kg

- Magnetic, easy to operate
- 0.5mm/m accuracy
- Built from one piece of aluminum for strength and durability
- Best frame strength-to-weight ratio
- Helps with fast and accurate installations
- Two shock absorbent end caps protect frame
- Ruler with scale for easy measurement



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Square Zinc Handle

Cat. No.	Size			G.W.
91413ME	300 mm	6	36	13 kg



- Metric/Imperial scale
- Made of stainless steel
- Zinc handle

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 300mm Aluminum Hacksaw

Cat. No.	Size			G.W.
93405	12 in	6	24	16.2 kg



- Ergonomic handle provides extra comfort
- One bi-metal 12" saw blade (#93407) included

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Window Scraper

Cat. No.	Overall Length			G.W.
92441ME	170 mm	18	72	4 kg

- 170 mm

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### 150mm Mini Hacksaw

Cat. No.	Size			G.W.
93404	6 in	0	24	4.5 kg



- ABS handle provides comfort and durability

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Mini Multi Tool

Cat. No.	Size			G.W.
92502ME	12 in	6	24	16.2 kg



- Made of stainless steel
- Multi functions in one tool: linesman pliers, wire cutter, can opener, screwdriver slotted/Phillips, saw, knife and file
- Carrying pouch with belt loop inclusive

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.





### Wood Handle Hand Saw

Cat. No.	Size	Overall Length			G.W.
93621ME	16 in	400 mm	6	48	21 kg
93622ME	18 in	450 mm	6	48	22 kg
93623ME	20 in	500 mm	6	48	25 kg
93624ME	24 in	600 mm	6	48	27 kg



- Tooth tip is heat treated by ultra high frequency
- Hardened area in only at cutting edge around each tooth, softer core avoids tooth rippage
- 2 sharp cutting edges on each tooth which cut wood fiber faster and cleaner
- 7 teeth per inch

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### 300mm Hacksaw Frame

Cat. No.	Size	Overall Length			G.W.
93401ME	12 in	300 mm	6	36	22 kg



- Robust metal frame
- 4-1/2" throat depth
- 120 Kgs of blade tension
- Soft grip handle protects knuckles
- Includes 300mm blade

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Heavy Duty Quick Change 300mm Hacksaw Frame

Cat. No.	Size	Overall Length			G.W.
93402ME	12 in	300 mm	6	24	20



- Quick blade release mechanism
- Heavy duty construction
- 4-1/2" throat depth
- 180 Kgs of blade tension
- Can be used as a jab saw
- Soft grip handle protects knuckles
- Includes 300mm bi-metal blade

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Bi-metal Hacksaw Blade

Cat. No.	Size			G.W.
93407	12 in	100	1000	20.3 kg



- Appropriate for cutting tough and hardly divisible steel, non-ferrous metals and plastics
- Excellent elasticity, strong teeth, smooth cutting and outstanding toughness
- 24 teeth

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



### 300mm Hacksaw with Carbon Steel Blade

Cat. No.	Size			G.W.
93601	12 in	6	36	14 kg

- Adjustable, with interchangeable 10" or 12" blades



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Bi-metal Hole Saw

Cat. No.	Size			G.W.
53301	16 mm	10	200	8 kg
53302	19 mm	10	200	9 kg
53303	20 mm	10	200	10 kg
53304	22 mm	10	200	11 kg
53305	25 mm	10	200	12 kg
53306	30 mm	10	200	16 kg
53307	32 mm	10	200	11 kg

- Bi-metal
- 65-68 HRC
- For cutting holes in steel, stainless steel, brass, bronze, copper, aluminum, wood, composition and plastic

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.



Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

Cat. No.	Size			G.W.
53308	35 mm	10	200	12 kg
53309	38 mm	10	200	14 kg
53310	20 mm	6	108	13 kg
53311	51 mm	6	108	16 kg
53312	57 mm	6	72	13 kg
53313	60 mm	6	72	13 kg
53314	64 mm	6	72	16 kg



### SATA Display Rack

Cat. No.	Overall Length	Overall Width	Overall Height			G.W.
SA-STAND	1100 mm	400 mm	2300 mm	0	1	90 kg



- Easy assembling
- Product dimensions: 1000x2400x450
- Metal material

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

### Socket Dispenser

Cat. No.	Overall Length	Overall Width	Overall Height			G.W.
SA-SKRACK	360 mm	350 mm	290 mm	0	1	4.7 kg



- Metal material

Nature of this product is subject to wear and tear upon usage. Not covered under Lifetime Warranty.

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23 Pc. Feeler Gauge Set 0.02-1.00mm	186	3/8" Drive 6 Point Metric Standard Length Sockets	41
23 Pc. Metric Combination Wrench Set	79	3/8" Drive 6 Point SAE Deep Sockets	41
24 Pc. 1/2" Drive 12 Point Metric Socket Set	27, 29	3/8" Drive 6 Point SAE Standard Length Sockets	40
24 Pc. 1/2" Drive 6 Point Metric Socket Set	26	3/8" Drive Adapters	44
24 Pc. Ratcheting T-handle Screwdriver Set	134	3/8" Drive Bits Adapter	45
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25 Pc. 1/4" Drive 6 Point SAE Socket Set	23	3/8" Drive Offset Flex Quick-Release Teardrop Ratchet	44
25 Pc. Ratcheting Stubby Screwdriver Set	135	3/8" Drive Phillips Bit Sockets	59
26 Pc. 1/2" Drive 6 Point Metric Socket Tool Set	30	3/8" Drive Pozidriv Bit Sockets	59
26 Pc. 1/2" Drive 6 Point Metric Socket Tray Set	167	3/8" Drive Quick-Release Ratchet	43
26 Pc. Metric Combination Wrench Set	79	3/8" Drive Quick-Release Round Head Ratchet	43
26 Pc. Ratcheting Screwdriver Set	135	3/8" Drive Quick-Release Stubby Teardrop Ratchet	43
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27 Pc. 1/2" Drive 6 Point Metric Socket Tray Set	169	3/8" Drive Torx® Bit Sockets	58
27 Pc. SAE Combination Wrench and Hex Key Tray Set	171	3/8" Drive Torx® Tamper Proof Bit Sockets	60
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# LIFETIME WARRANTY



All SATA Products (unless otherwise stated) are fully warranted against manufacturing default including faulty materials and workmanship, subjected to being used for its intended purpose and allowing for fair wear and tear.

Defective tools will be repaired and/or replaced at SATA's discretion free of charge. They should be held by buyers or returned for inspection to the factory upon request.

This lifetime warranty does not extend to products that have been improperly used, altered, abused or repaired by others. Rustiness after usage, electroplate desquamation, surface scraped or plastic handle damage are not within warranty range. Damage in the packaging is also out of warranty range.

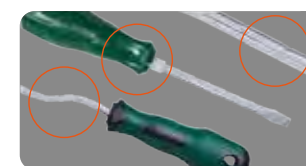
## WARRANTY INFORMATION



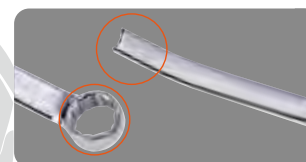
The obvious dent or electroplate desquamation indicates that a pipe wrench or hammer (or other form of "cheater") has been abused on this ratchet. Please use a larger size of ratchet to increase the leverage of any wrench.



The obvious slippage on socket end or crack on socket wall indicates that this impact tools has been used on this socket. When you are working with impact tools, please choose **SATA** impact sockets with black coat.

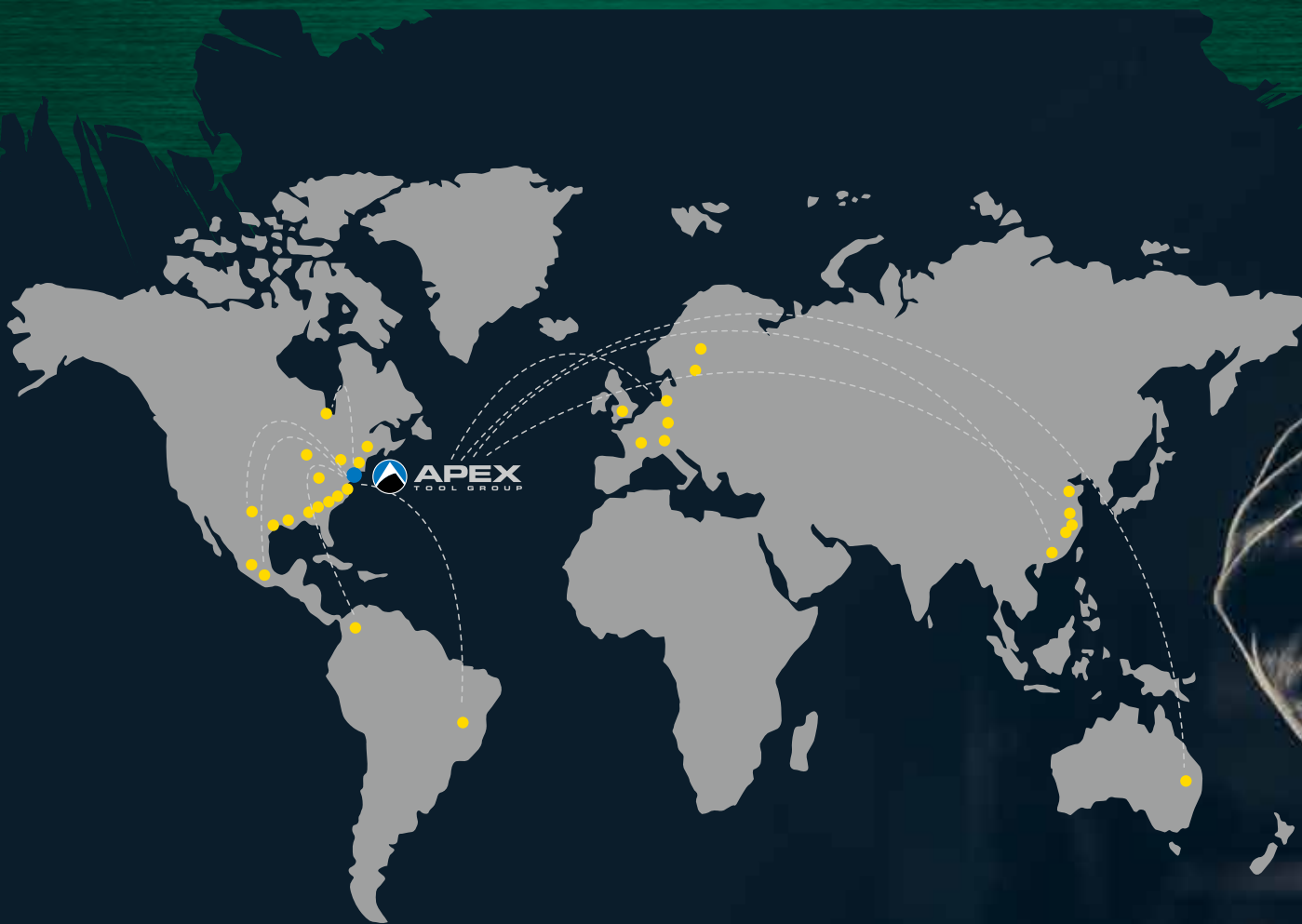


The breach of handle, blade chip-off and bent shanks are the results of using screwdriver as a pry bar, punch or chisel.



Distort or breach on the wrench is also result of using the wrench as a pry bar. Please use the right pry bar for prying.

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