



Lifetime Warranty






HERMES 
THE TOOL COMPANY

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Product Highlights

ABOUT US

SATA hand tool 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  **CRESCENT**,  **GEARWRENCH**,  **Nicholson**,  **SATA**,  **ARMSTRONG**, **Weller**.

Headquarters at Sparks (North of Baltimore), Maryland USA, Apex Tool Group operates in more than 30 countries around the world, having about 8,000 employees with annual revenues at approximately USD1.5billion. More details can be found at this website, 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 continuously 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.



Product Highlights



Ratcheting Wrench.....04

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



Pass-Thru® Ratchet & Socket System.....20



Socket & Drive Tool.....22



Impact Socket.....60



Wrench.....69

- 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



Pliers, Crimping Tool, Snips, Cutter.....99

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



Screwdriver & Nut Driver.....122

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



Hex Key.....139

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



Tool Storage.....148

- Tool Storage
- Tool Storage - Tray Set



Punch & Hammer.....166

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



Auto Specialty Tool.....174



Other Accessories.....185



Display Unit.....187

- Display Shelf
- Socket Dispenser

Product Number Index.....188

Product Description Index.....193

Ratcheting Wrench

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

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.



Double Ratcheting Wrench - Combination



Productivity

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

Strength

- Surface Drive® reduces fastener rounding

Productivity

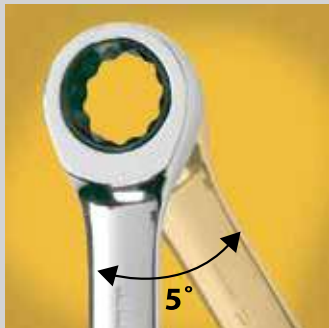
- Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

S.A.E.

Metric



- Ratcheting function at both Box End and Open End



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 Wrench - XL X-Beam®



Stronger

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

Access

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

Strength

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

Improved comfort

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



ACCESS

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



DESIGN

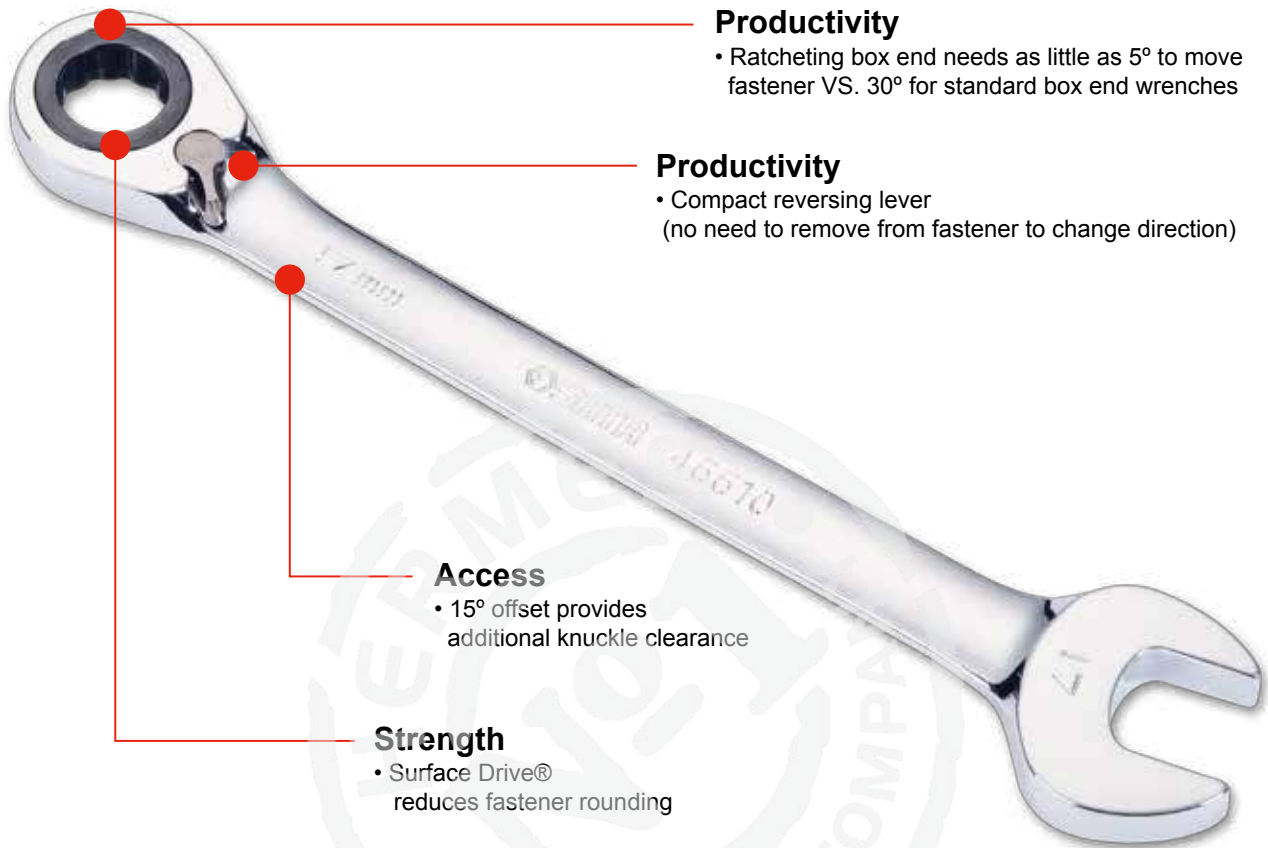
Forges at a 90-degree angle from the other end, and the tapered handle is thicker on both sides than a standard wrench.



STRENGTH

Surface Drive Plus® provides a stronger grip on fasteners.

Ratcheting Wrench - Reversible



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

Strength

- Surface Drive® reduces fastener rounding



PRODUCTIVITY

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



DESIGN

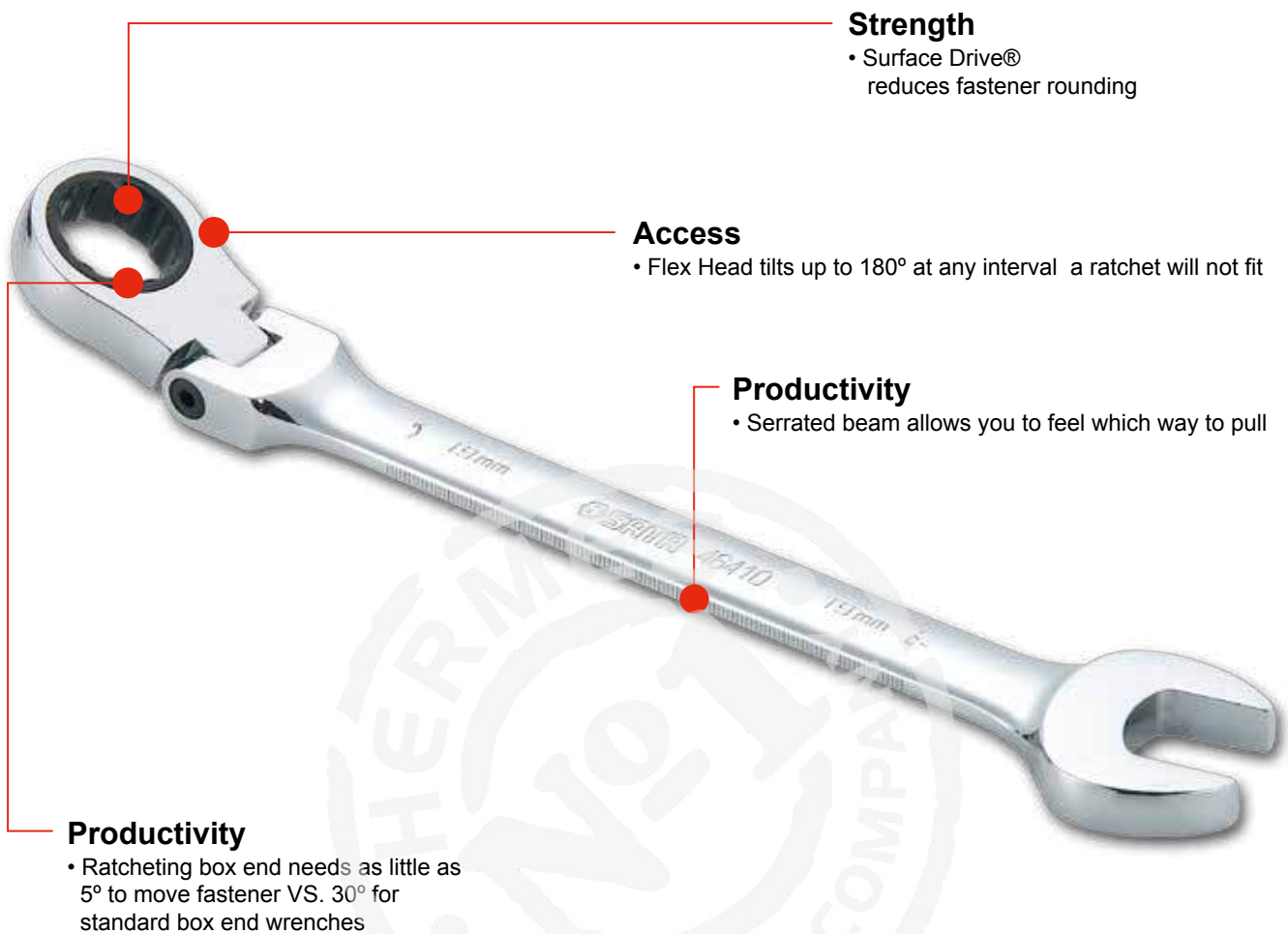
15° offset allows for safe operation above the work surface, providing additional knuckle clearance.



ACCESS

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

Ratcheting Wrench - Flex Head



PRODUCTIVITY

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



ACCESS

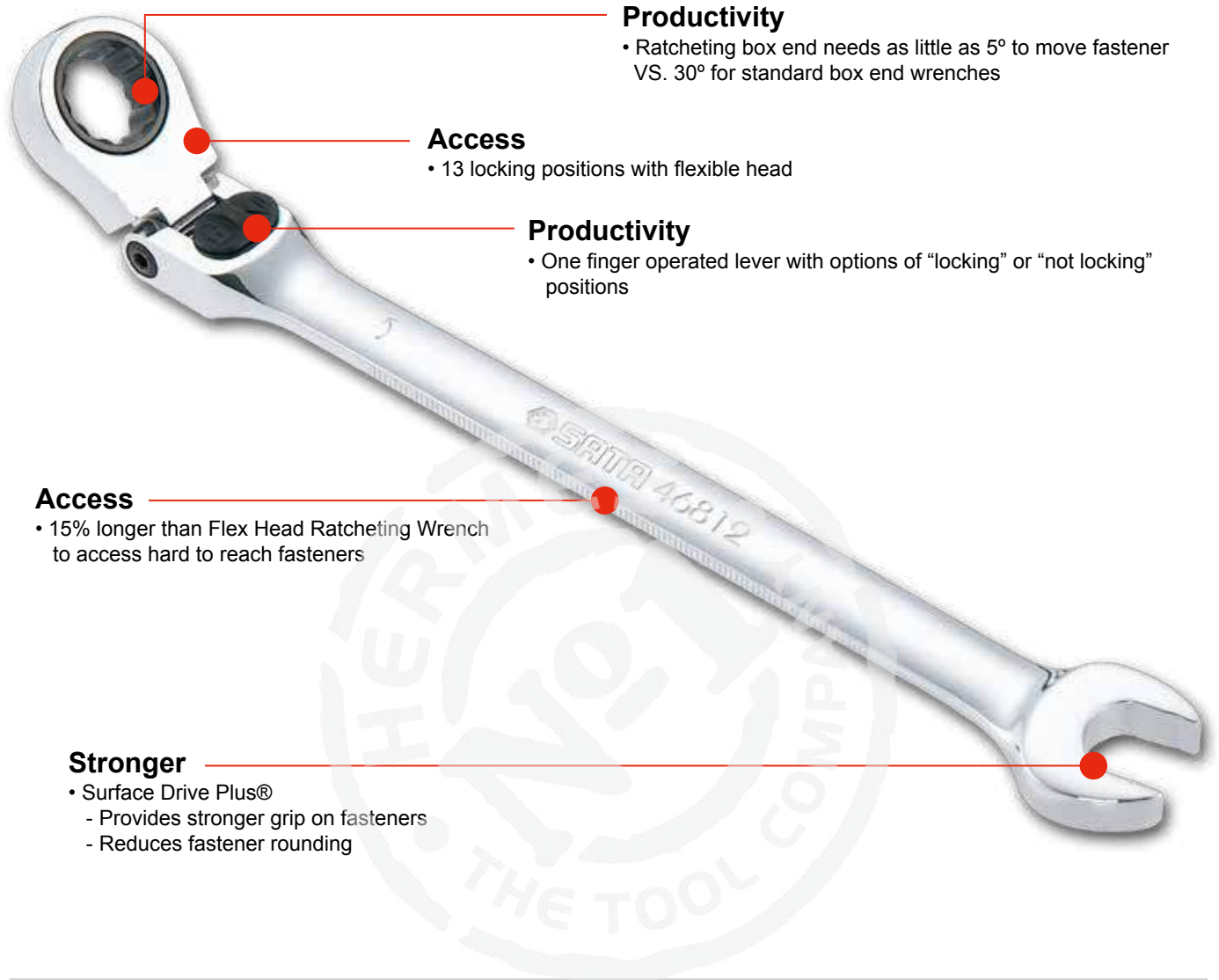
Flex Head tilts up to 180° at any interval.



STRENGTH

Surface Drive® provides a stronger grip on fasteners.

Ratcheting Wrench - XL Locking Flex Head



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.

Double Ratcheting Wrench - Set

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.
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



Double Ratcheting Wrench - Set

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



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



Ratcheting Wrench - Set

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

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

CONTENTS:

10, 11, 12, 13, 14mm



Ratcheting Wrench - Set

6 Pc. Metric Reversible Combination 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 Combination 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 Combination 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



Double Ratcheting Wrench - Open Stock



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)

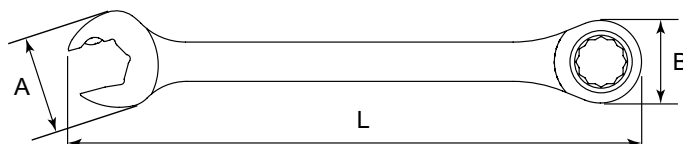
Metric Double Ratcheting Wrenches

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





Ratcheting Wrench - Open Stock

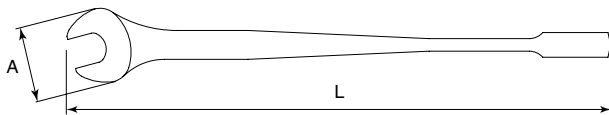


SAE XL X-Beam® Ratcheting Combination Wrenches

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 Combination 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



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

Ratcheting Wrench - Open Stock



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

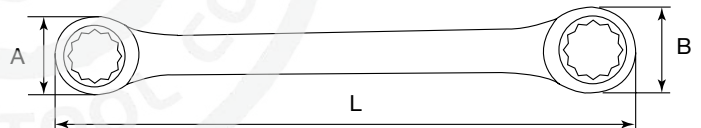
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Metric Double Box Ratcheting Wrenches



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

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- 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

Ratcheting Wrench - Open Stock



SAE Reversible Combination 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

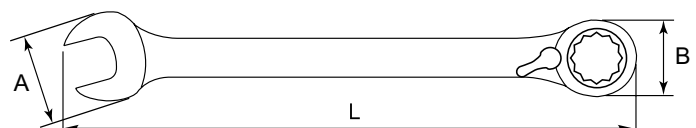
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Metric Reversible Ratcheting Combination Wrenches

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

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)



Ratcheting Wrench - Open Stock



SAE Flex Head Combination 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

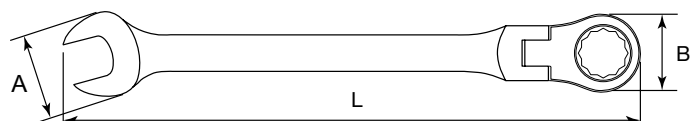
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Metric Flex Head Ratcheting Combination Wrenches

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)


- 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



Ratcheting Wrench - Open Stock



SAE XL Locking Flex Head Combination 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

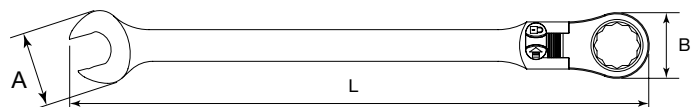
ASME B107.100-2010 (B107.66)

Metric XL Locking Flex Head Ratcheting Combination 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)

- 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

Productivity

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

Productivity

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

Access

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

Access

- Up to 50% thinner than conventional ratchet systems

Strength

- Up to 40% stronger by eliminating drive tang

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 - Set

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

Cat. No.			G.W.
09131	6	12	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.			G.W.
09134	3	12	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"M Quick-Release Adapter
- 1 - 3/8"Dr. x 3/8"M 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.			G.W.
09133	4	8	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.			G.W.
09132	4	8	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"M Quick-Release Adapter
- 1 - 3/8"Dr. x 3/8"M 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.



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 metalcasing, SATA's blow mold case is lighter and is much safer since there are no sharp edges and is rustproof.



Socket & Drive Tool - Set

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

Cat. No.			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.			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.			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.			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



Socket & Drive Tool - Set

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



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



Socket & Drive Tool - Set

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"



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



Socket & Drive Tool - Set

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 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



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



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"



Socket & Drive Tool - Set

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

Cat. No.			G.W.
09087	0	4	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.			G.W.
09088	0	4	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



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

Cat. No.			G.W.
09090	0	4	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



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

Cat. No.			G.W.
09203	0	6	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



Socket & Drive Tool - Set

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

Cat. No.			G.W.
09204	0	6	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



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

Cat. No.			G.W.
09205	0	4	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.			G.W.
09525	2	8	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.			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"



Socket & Drive Tool - Set

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

Cat. No.			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.			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.			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.			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



Socket & Drive Tool - Set

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

Cat. No.			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



12 Pc. 1/2" Drive Bit Socket Set

Cat. No.			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



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 Bit Socket Set

Cat. No.			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.

Socket & Drive Tool - Set


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

Cat. No.			G.W.
09052	0	5	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.			G.W.
09053	0	5	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.			G.W.
09011	0	3	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



Socket & Drive Tool - Set

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

Cat. No.			G.W.
09013	0	3	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.			G.W.
09519	0	3	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



Socket & Drive Tool - Set

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



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



Socket & Drive Tool - Set

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

New



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




Socket & Drive Tool - Open Stock

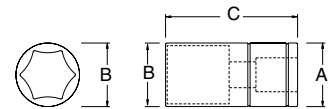
1/4" Drive 6 Point SAE Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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.




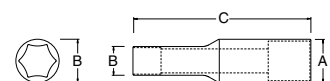
1/4" Drive 6 Point SAE Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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.



Socket & Drive Tool - Open Stock

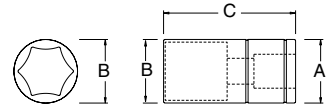
1/4" Drive 6 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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.



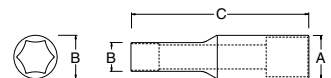
1/4" Drive 6 Point Metric Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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.



Socket & Drive Tool - Open Stock

1/4" Drive Quick-Release Ratchet

Cat. No.	Overall			G.W.
	Length			
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 Round Head Ratchet

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

ANSI B107.10M
DIN 3122



- Made of Chrome Vanadium steel

1/4" Drive Quick-Release Ratchet

Cat. No.	Overall			G.W.
	Length			
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

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

Cat. No.	Overall			G.W.
	Length			
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

Magnetic Pickup Tool

Cat. No.	Overall	Overall			G.W.
	Length	Length			
	Min	Max			
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 Flex Handle / Breaker Bar

Cat. No.	Overall			G.W.
	Length			
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.

Socket & Drive Tool - Open Stock

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 Spinner Handle

Cat. No.	Overall Length			G.W.
11911	150 mm	6	36	5 kg

ANSI B107.10M
DIN 3122



- Made of Chrome Vanadium steel
- High impact plastic handle
- Handle has internal 1/4" square drive for connection

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.

Socket & Drive Tool - Open Stock

1/4" Drive Flex Extension

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

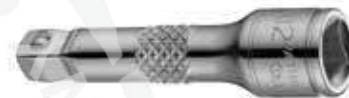


- Made of Chrome Vanadium steel

1/4" Drive Wobble Extensions

Cat. No.	Size	Overall Length	12	396	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	Dim. B: Wrench	Dim. C: Overall			G.W.
		End	End	Length			
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.

Socket & Drive Tool - Open Stock

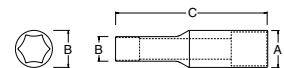
3/8" Drive 6 Point SAE Deep Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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.



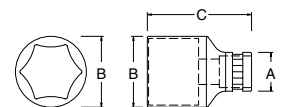
3/8" Drive 6 Point Metric Standard Length Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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

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- Double Line (SAE) & Knurled Line (MM) to easily identify Standard vs. Metric Sockets
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Socket & Drive Tool - Open Stock

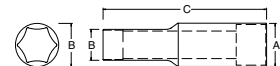
3/8" Drive 6 Point Metric Deep Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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

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- 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


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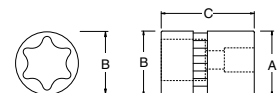


3/8" Drive External Torx® Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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
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- Surface Drive® Technology- Radius corner design provides 15%-20% more torque, extends fastener life and reduces slippage
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Socket & Drive Tool - Open Stock

3/8" Drive Quick-Release Ratchet



Overall				
Cat. No.	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 Round Head Ratchet



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

ANSI B107.10M
DIN 3122



- Made of Chrome Vanadium steel

3/8" Drive Quick-Release Ratchet



Overall				
Cat. No.	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 Quick-Release Stubby Teardrop Ratchet



Overall				
Cat. No.	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 Heavy Duty Offset Quick-Release Teardrop Ratchet


Overall				
Cat. No.	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 Wobble Extensions

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

Socket & Drive Tool - Open Stock


3/8" Drive Locking Extensions

Cat. No.	Size	Overall				G.W.
		Length				
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 Flex Handle / Breaker Bar

Cat. No.	Overall				G.W.
	Length				
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 T-handle

Cat. No.	Overall				G.W.
	Length				
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 Offset Flex Quick-Release Teardrop Ratchet

Cat. No.	Overall				G.W.
	Length				
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 Universal Joint

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

ANSI B107.10M
DIN 3123



- Made of Chrome Vanadium steel

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3/8" Drive Adapters

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

Socket & Drive Tool - Open Stock


3/8" Drive Metric Spark Plug Sockets

Fastener				
Cat. No.	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 SAE Spark Plug Sockets

Fastener				
Cat. No.	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 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 Flex Extension

Overall				
Cat. No.	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

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Socket & Drive Tool - Open Stock

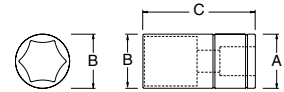
1/2" Drive 6 Point SAE Standard Length Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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

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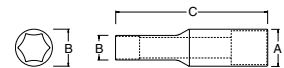
1/2" Drive 6 Point SAE Deep Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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

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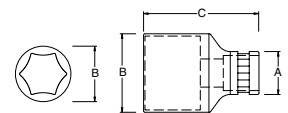


Socket & Drive Tool - Open Stock


1/2" Drive 6 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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
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



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Socket & Drive Tool - Open Stock

1/2" Drive 6 Point Metric Deep Sockets

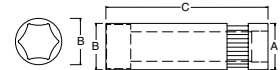
Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
13401	10 mm	22 mm	15.3 mm	77 mm	6	72	6	7.5 kg
13402	11 mm	22 mm	16.5 mm	77 mm	6	72	6	8.2 kg
13403	12 mm	22 mm	17.8 mm	77 mm	6	72	6	8.6 kg
13404	13 mm	22 mm	19 mm	77 mm	6	72	6	8.6 kg
13405	14 mm	22 mm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

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ANSI B107.5M
DIN 3124



1/2" Drive 12 Point SAE Standard Length Sockets

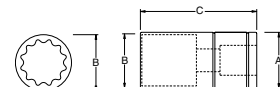
Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
13501	5/16 in	22.2 mm	12.5 mm	37.8 mm	6	84	6	4.9 kg
13502	3/8 in	22.2 mm	14.5 mm	37.8 mm	6	84	6	4.9 kg
13503	7/16 in	22.2 mm	17 mm	37.8 mm	6	84	6	5.2 kg
13504	1/2 in	22.2 mm	18.6 mm	37.8 mm	6	84	6	5.2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




Socket & Drive Tool - Open Stock

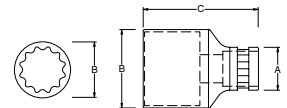
1/2" Drive 12 Point Metric Standard Length Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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	27.9 mm	27.9 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

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.

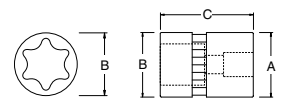


1/2" Drive External Torx® Sockets

Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
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.



Socket & Drive Tool - Open Stock

1/2" Drive Quick-Release Ratchet



Overall				
Cat. No.	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 Round Head Ratchet



Overall				
Cat. No.	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 Ratchet



Overall				
Cat. No.	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 Stubby Teardrop Ratchet



Overall				
Cat. No.	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


Overall				
Cat. No.	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 Wobble Extensions

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



ANSI B107.10M
DIN 3123



- Made of Chrome Vanadium steel

Socket & Drive Tool - Open Stock


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 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



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 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 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.

Socket & Drive Tool - Open Stock


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

Fastener				
Cat. No.	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

Fastener				
Cat. No.	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



Overall				
Cat. No.	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

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



ANSI B107.10M
DIN 3122



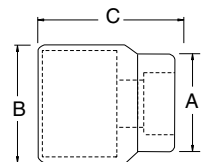
- Made of Chrome Vanadium steel

Socket & Drive Tool - Open Stock

3/4" Drive 12 Point SAE Standard Length Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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 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



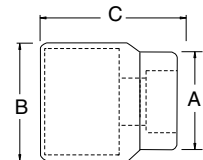
These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

Socket & Drive Tool - Open Stock

3/4" Drive 12 Point Metric Standard Length Sockets

		Dim. A: Drive	Dim. B: Wrench	Dim. C: Overall			
Cat. No.	Fastener Size	End	End	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 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.

Socket & Drive Tool - Open Stock

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.

Socket & Drive Tool - Open Stock


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:		Dim. C:				G.W.
		Drive End	Overall Length	Drive End	Overall Length			
21101	T8	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21102	T10	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21103	T15	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21104	T20	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21105	T25	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21108	T27	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21106	T30	12 mm	36.5 mm	12 mm	144 mm	12	144	3.6 kg
21107	T40	12 mm	36.5 mm	12 mm	144 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:		Dim. C:				G.W.
		Drive End	Overall Length	Drive End	Overall Length			
21201	3 mm	12 mm	36.5 mm	12 mm	396 mm	12	396	8.7 kg
21202	4 mm	12 mm	36.5 mm	12 mm	396 mm	12	396	9.2 kg
21203	5 mm	12 mm	36.5 mm	12 mm	396 mm	12	396	9.2 kg
21204	6 mm	12 mm	36.5 mm	12 mm	396 mm	12	396	9.8 kg
21206	7 mm	12 mm	36.5 mm	12 mm	396 mm	12	396	10.3 kg
21205	8 mm	12 mm	36.5 mm	12 mm	396 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.

Socket & Drive Tool - Open Stock

1/4" Drive Phillips Bit Sockets

Cat. No.	Fastener Size	Dim. A:		Dim. C:		G.W.
		Drive End	Overall Length			
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:		Dim. C:		G.W.
		Drive End	Overall Length			
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:		Dim. C:		G.W.
		Drive End	Overall Length			
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:		Dim. C:		G.W.
		Drive End	Overall Length			
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.

Socket & Drive Tool - Open Stock

3/8" Drive Metric Hex Bit Sockets



Dim. A:			Dim. C:			
Fastener		Drive	Overall			
Cat. No.	Size	End	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



		Dim. A:	Dim. C:			
Fastener		Drive	Overall			
Cat. No.	Size	End	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



		Dim. A:	Dim. C:			
	Fastener	Drive	Overall			
Cat. No.	Size	End	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

		Dim. A:	Dim. C:			
Fastener		Drive	Overall			
Cat. No.	Size	End	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.

Socket & Drive Tool - Open Stock

3/8" Drive Torx® Tamper Proof Bit Sockets

Cat. No.	Fastener Size	Dim. A:	Dim. C:			G.W.
		Drive End	Overall Length			
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:	Dim. C:			G.W.
		Drive End	Overall Length			
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 Metric Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A:	Dim. C:			G.W.
		Drive End	Overall Length			
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:	Dim. C:			G.W.
		Drive End	Overall Length			
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	7/16 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.

Socket & Drive Tool - Open Stock

1/2" Drive Triple Square Bit Sockets

Cat. No.	Fastener Size	Dim. A:		Dim. C:		G.W.
		Drive End	Overall Length			
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:		Dim. C:		G.W.
		Drive End	Overall Length			
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 Long Hex Bit Sockets

Cat. No.	Fastener Size	Dim. A:		Dim. C:		G.W.
		Drive End	Overall Length			
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:		Dim. C:		G.W.
		Drive End	Overall Length			
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



For use with impact drivers.



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



Black finishing treatment for better corrosion protection.



Eye protection must always be worn when using impact tool.



Impact Socket - Set & Open Stock

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



	Female Drive	Male Drive	Overall Length			G.W.
Cat. No.	Size	Size				
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

		Dim. C:			
	Fastener	Overall			
Cat. No.	Size	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

Impact Socket - Open Stock

3/8" Drive Impact Extensions



Cat. No.	Size	Overall				G.W.
		Length				
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 Universal Joint



	Female	Male				
	Drive	Drive	Overall			
Cat. No.	Size	Size	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

3/8" Drive Impact Drive Adapter

	Female	Male				
	Drive	Drive	Overall			
Cat. No.	Size	Size	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

1/2" Drive 6 Point SAE Impact Sockets

Cat. No.	Fastener Size	Dim. C:				G.W.
		Length				
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

Impact Socket - Open Stock

1/2" Drive 6 Point Metric Impact Sockets



Dim. C: Overall					
Cat. No.	Fastener Size	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

Dim. C: Overall					
Cat. No.	Fastener Size	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

Impact Socket - Open Stock

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 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 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 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 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 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



Impact Socket - Open Stock

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 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

Impact Socket - Open Stock

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 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

Impact Socket - Open Stock

3/4" Drive Impact Extensions

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

3/4" Drive Impact Drive Adapters

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

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

3/4" Drive Impact Universal Joint

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

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



Impact Socket - Open Stock

1" Drive 6 Point Metric Impact Sockets



Dim. C: Overall					
Cat. No.	Fastener Size	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 B107.2
DIN 3129

1" Drive 6 Point Metric Deep Impact Sockets

Dim. C: Overall					
Cat. No.	Fastener Size	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 B107.2
DIN 3129

**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

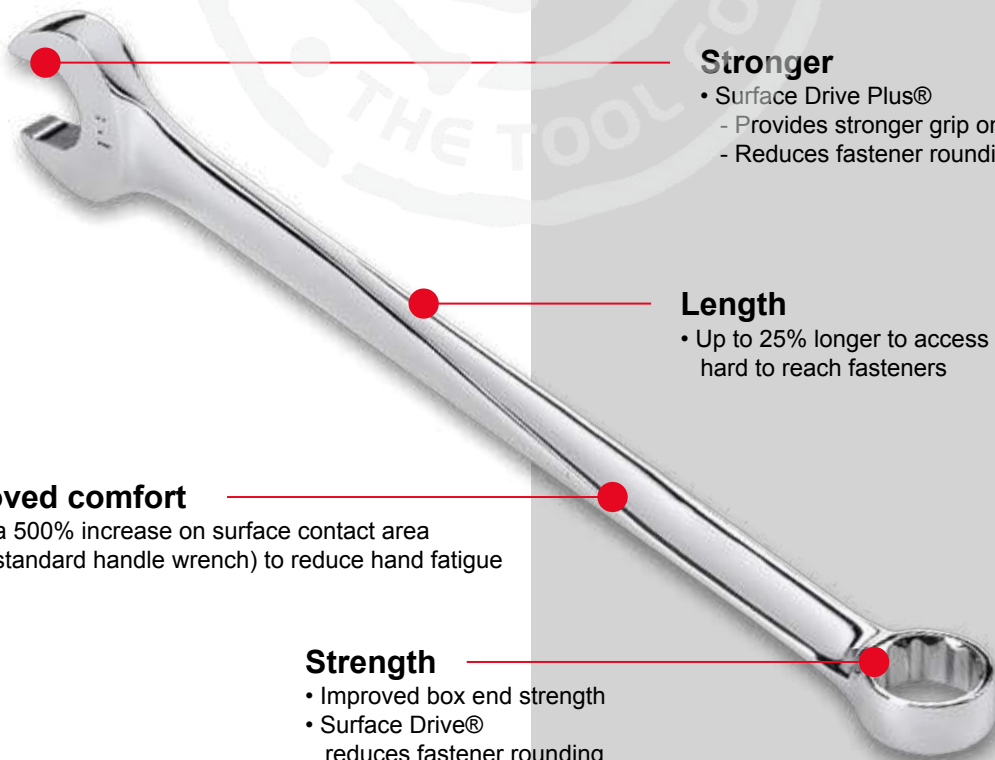
- Up to 25% longer to access those hard to reach fasteners

Improved comfort

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

Strength

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

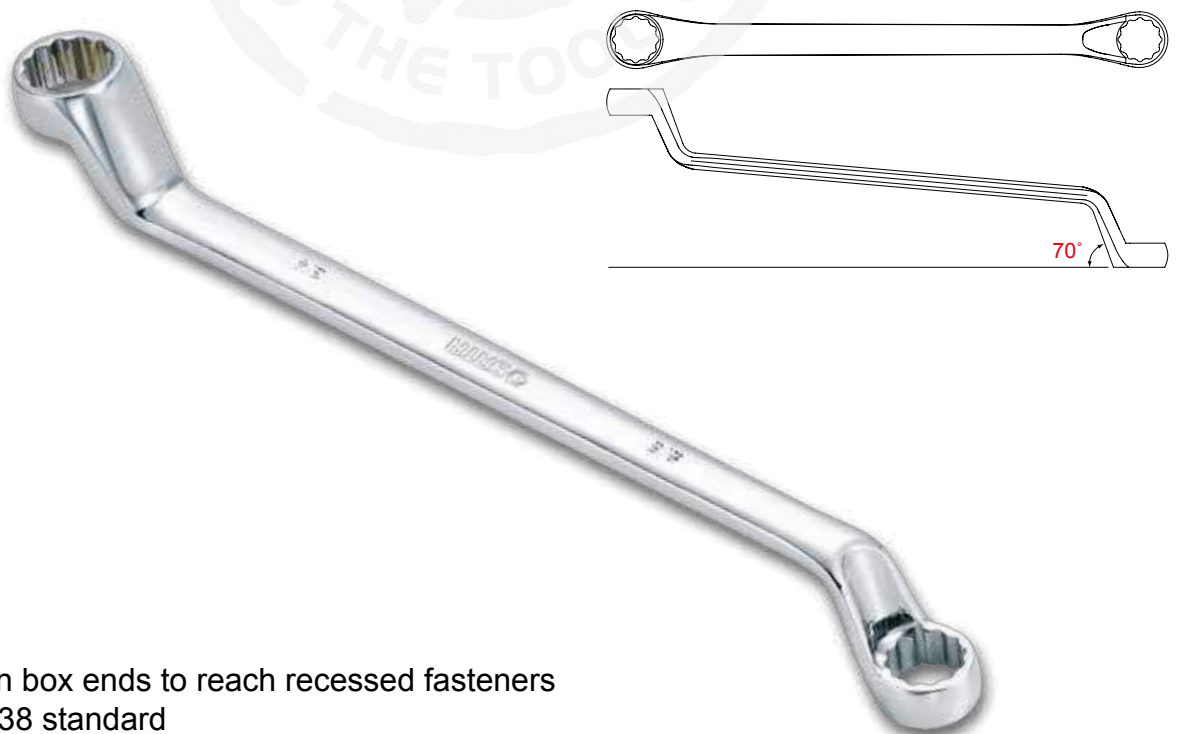


Combination Offset Box End



- 40° 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

Wrench - Set

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



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



Wrench - Set

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



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



Wrench - Set

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



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



Wrench - Set

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



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



Wrench - Set

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



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"



Wrench - Set

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



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



Wrench - Set

11 Pc. Metric Deep Offset Double Box End Wrench Set

Cat. No.			G.W.
08023	0	4	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.			G.W.
09046	0	12	15.1 kg

CONTENTS:

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



7 Pc. Metric Offset Double Box End Wrench Set

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

CONTENTS:

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



8 Pc. Metric Offset Double Box End Wrench Set

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

CONTENTS:

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



Wrench - Set

10 Pc. Metric Offset Double Box End Wrench Set

Cat. No.			G.W.
08012	0	6	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.			G.W.
09028	0	4	11.4 kg

CONTENTS:

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



6 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



7 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



Wrench - Set

7 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



8 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



8 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



10 Pc. Metric Double Open End Wrench Set

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

CONTENTS:

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



Wrench - Set

10 Pc. Metric Double Open End Wrench Set

Cat. No.			G.W.
08019	1	6	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.			G.W.
09029	0	4	13.8 kg

CONTENTS:

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



4 Pc. E-Torx® Box Wrench Set

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

CONTENTS:

E6xE8, E10xE12, E14xE18, E20xE24



7 Pc. Metric Stubby Combination Wrench Set

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

CONTENTS:

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



Wrench - Set

6 Pc. Metric Open End and Flex Socket Set

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

CONTENTS:
8x10, 12x14, 17x19mm



3 Pc. SAE Flare Nut Wrench Set

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



CONTENTS:
9x11, 13x14, 16x17mm



Wrench - Open Stock



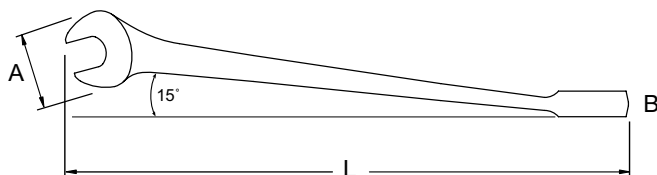
SAE XL X-Beam® Combination Wrenches

Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			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			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
- Longer - 25% longer (compared to conventional wrenches)
- Strong - torque output increased by 25%
- Efficient - Hand and wrench contact area increased 5 times when operating (compared with conventional wrenches)




Wrench - Open Stock



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

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


- 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

DIN 3113



Wrench - Open Stock



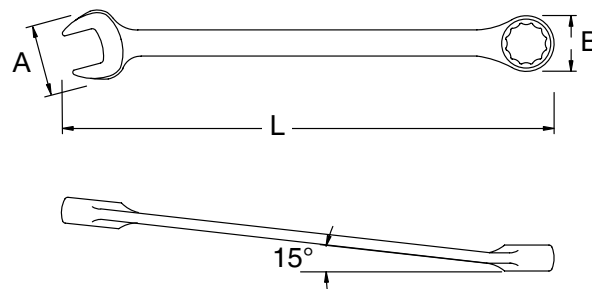
SAE Jumbo Combination Wrenches in Matte Finished

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 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



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



Wrench - Open Stock



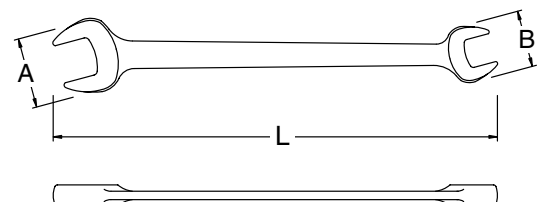
SAE Double Open End Wrenches

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


Wrench - Open Stock



SAE Offset Double Box End Wrenches

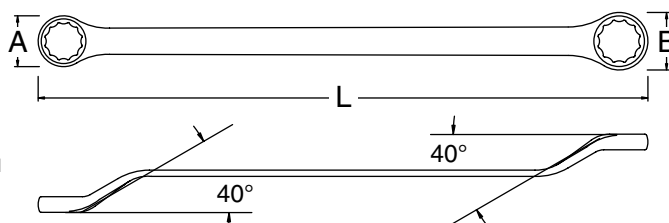
Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
42101	3/8x7/16 in	16.2 mm	18.4 mm	196 mm	6	36	4.0 kg
42102	1/2x9/16 in	19.8 mm	21.8 mm	220 mm	6	36	5.6 kg
42104	11/16x3/4 in	26.6 mm	27.7 mm	250 mm	6	36	8.1 kg
42105	13/16x7/8 in	30.5 mm	33 mm	290 mm	4	24	8.2 kg
42106	7/8x15/16 in	32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

DIN 838

- 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



Wrench - Open Stock

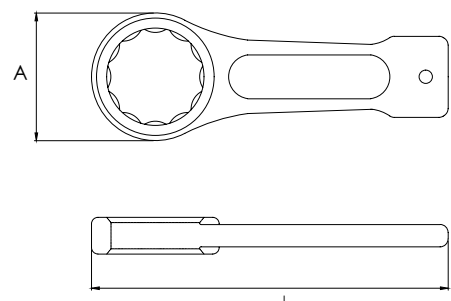
New



Metric Box End Slugging Wrenches

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

- Made of 40CR-V
- Product with overall heat treatment for uniform hardness
- Surface with dural anti-rust treatment for attractive appearance, wear resistance and strong rust resistance
- 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



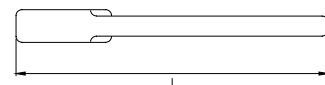
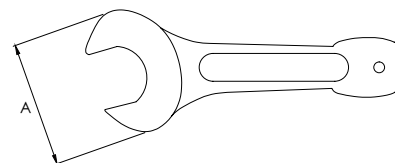
Wrench - Open Stock

New



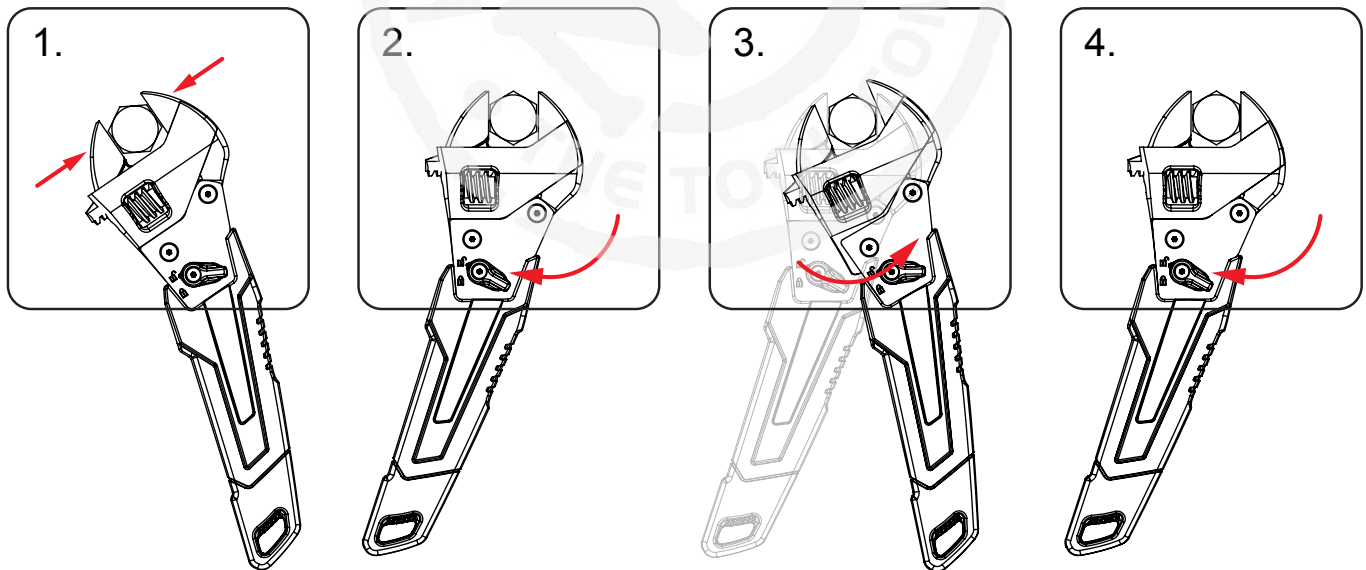
Metric Open End Slugging Wrenches

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	85 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





- Made of 40CR-V
- Product with overall heat treatment for uniform hardness
- Surface with dural anti-rust treatment for attractive appearance, wear resistance and strong rust resistance
- 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

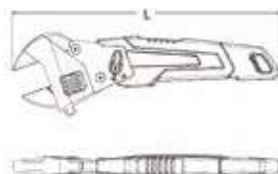
Ratcheting Adjustable Wrench - Open Stock



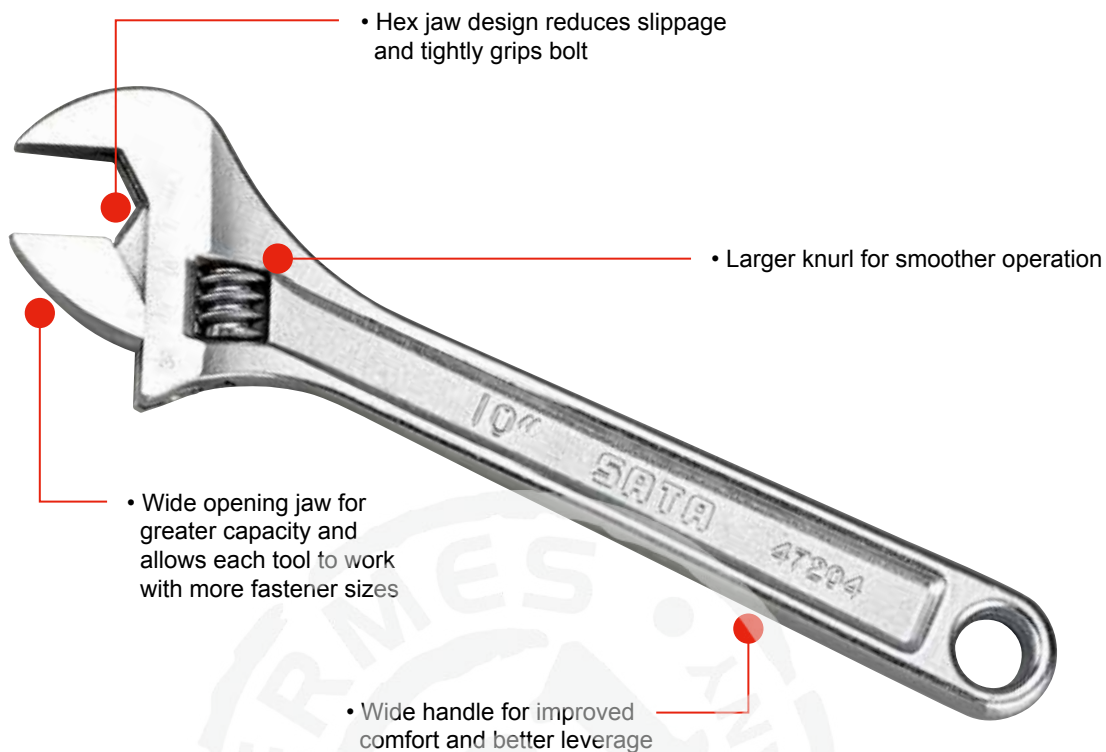
Ratcheting Adjustable Wrench

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)





Wrench - Open Stock



• 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



New



- Imported dual color material patent-shaped handle. Oil and scratch resistance
- Made of alloy steel with chrome plated surface for better antirust
- Tested to 10,000 volts to ensure the user safety

Wrench - Open Stock

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



- 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

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

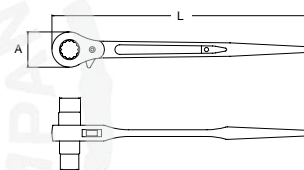


- Matte finished
- Larger knurl for smoother operation
- Dipping handle for better grip
- Wide opening jaw for greater capacity and allows each tool to work with more fastener sizes
- Wide handle for improved comfort and better leverage

Wrench - Open Stock



Metric Construction Ratcheting Wrenches

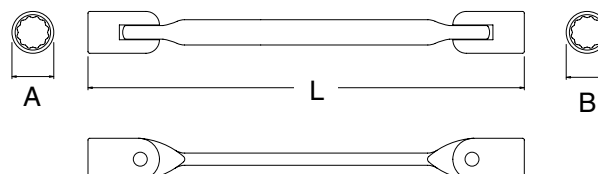
Cat. No.	Fastener Size	End A Width	Overall Length			G.W.
47305	12x14 mm	31 mm	225 mm	2	36	9.4 kg
47308	14x17 mm	35 mm	270 mm	2	36	12.1 kg
47309	17x19 mm	42 mm	305 mm	2	36	18.6 kg
47310	17x21 mm	40 mm	310 mm	2	36	18.6 kg
47312	19x21 mm	40 mm	310 mm	2	36	18.6 kg
47313	19x22 mm	40 mm	310 mm	2	36	18.5 kg
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



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

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

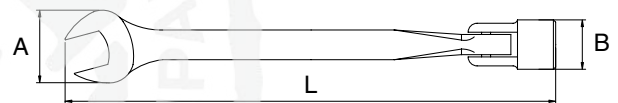


- Made of premium chrome vanadium alloy steel

Wrench - Open Stock



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



- Made of chrome vanadium steel
- Full polish surface

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



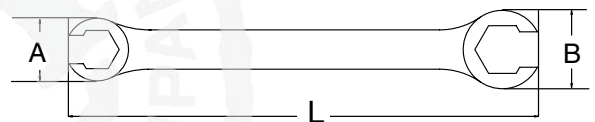
- Made of premium chrome vanadium alloy steel
- Unique design. Rod length reach to 30cm. Suitable for work in narrow space
- Handle length reach to 20cm for better torque

Wrench - Open Stock

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



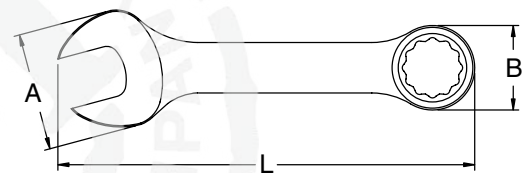
- Made of chrome vanadium alloy steel

Wrench - Open Stock

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

DIN 3113



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

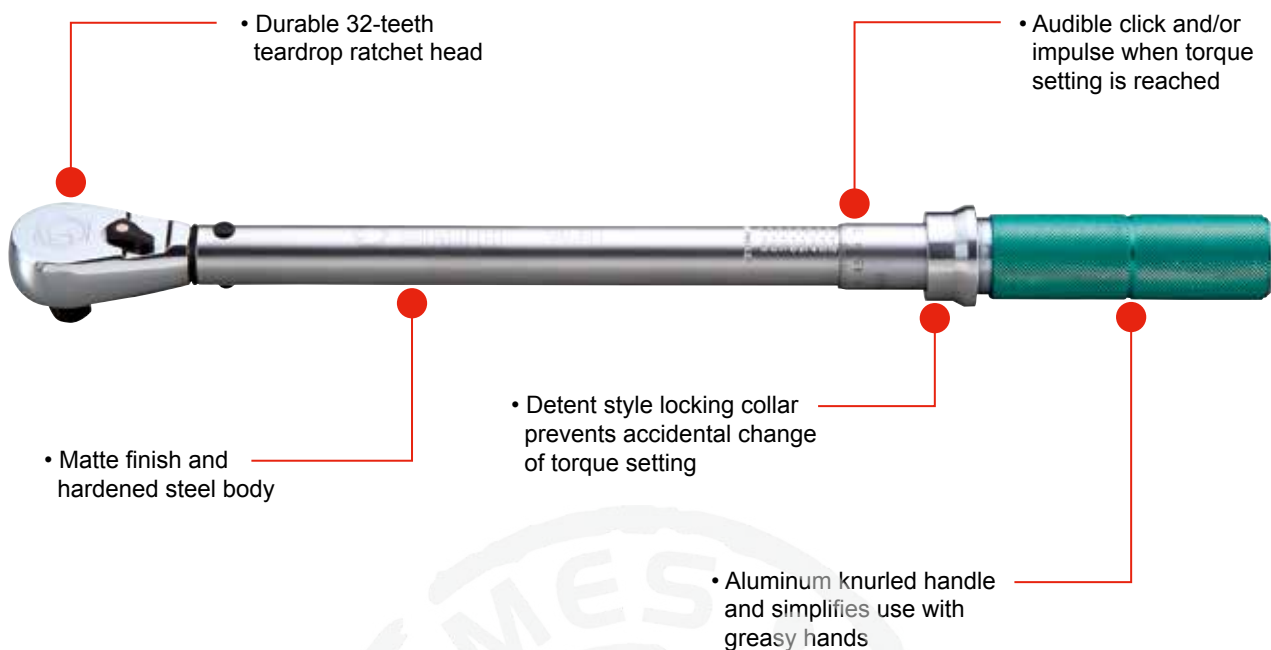
Heavy Duty Pipe Wrench

Cat. No.	Fastener 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	120 mm	70 mm	1	2	29.6 kg



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

A-Series Mechanical Torque Wrench




- $\pm 3\%$ clockwise/counterclockwise accuracy between 20% and 100% of range
- Available in 1/4"~3/4" drive

A-series Mechanical Torque Wrench

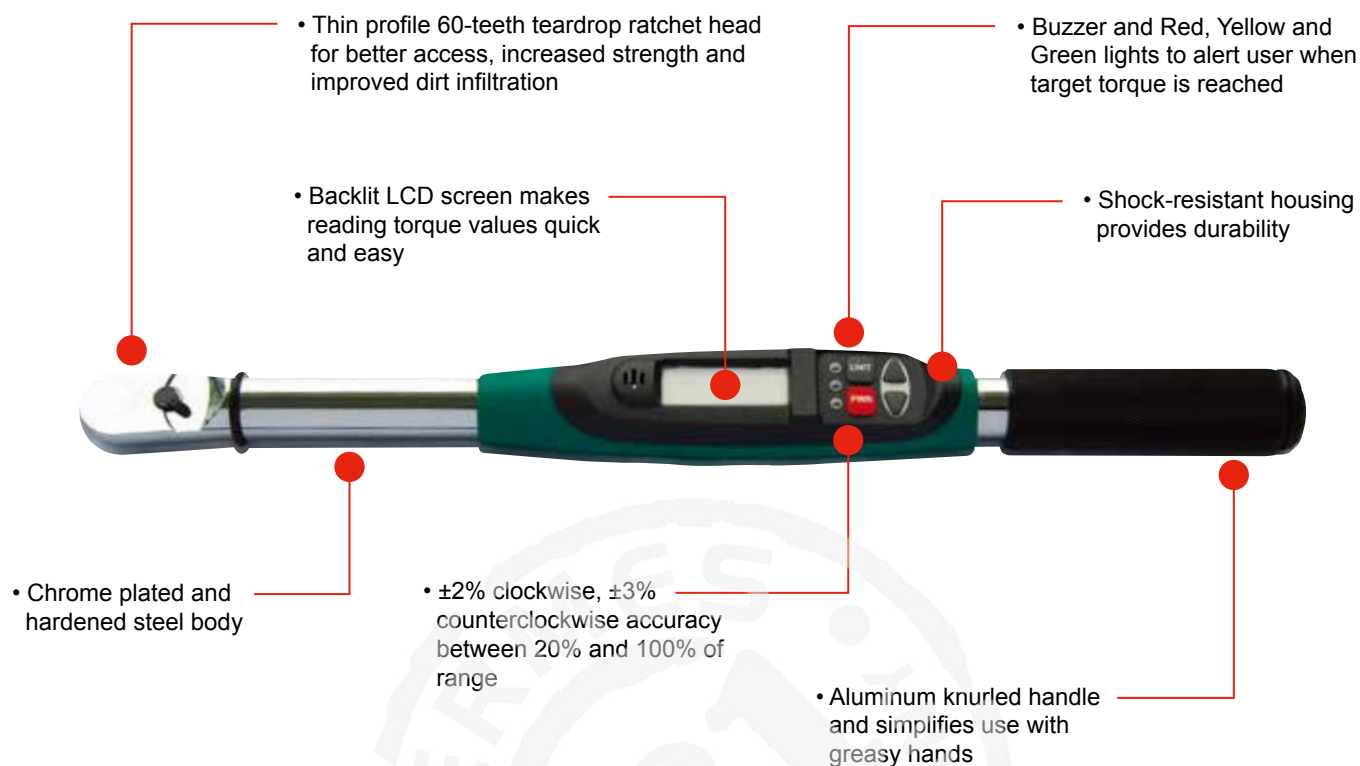
Cat. No.	Drive Tang Size	Overall Length	Primary Scale				G.W.
			Range	Max Torque			
96211	1/4 in	228 mm	1 nm	5 nm	0	16	9.8 kg
96212	3/8 in	268 mm	5 nm	25 nm	0	16	10.2 kg
96311	1/2 in	472 mm	20 nm	100 nm	0	10	17.2 kg
96312	1/2 in	555 mm	40 nm	200 nm	0	10	18.9 kg
96313	1/2 in	616 mm	68 nm	340 nm	0	10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




Electronic Torque Wrench

Cat. No.	Drive Tang Size	Overall Length	Primary Scale				G.W.
			Range	Max Torque			
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.

Torque Wrench

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

Productivity

- Maximum access and strength with minimal movement

Access

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

Strength

- Flush rivet for strength and narrow profile

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

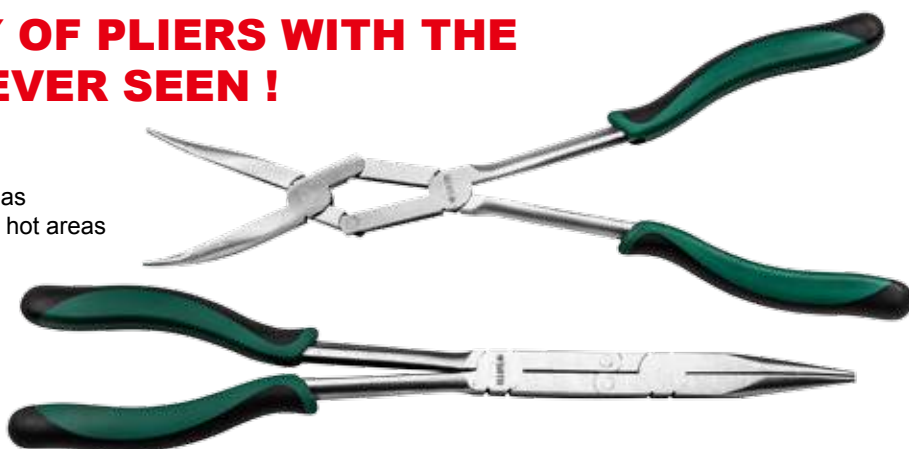
Extra long reach to get into confined & hot areas.

Double-X™ Pliers

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



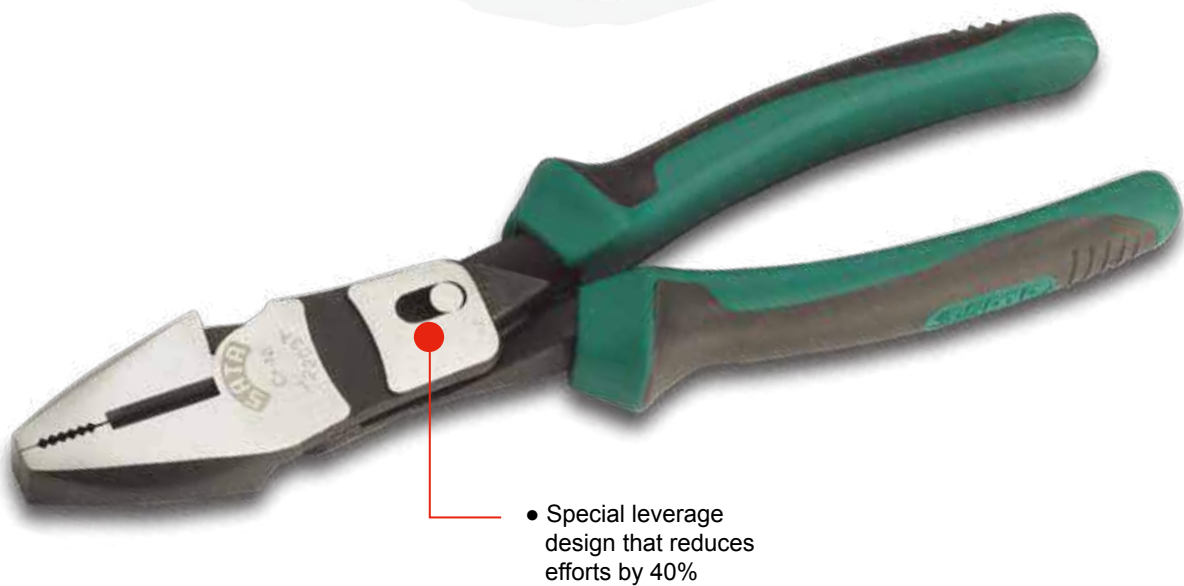
45 Degree Double-X Pliers

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



Pliers, Crimping Tool, Snips & Cutter

5 Pc. Combination Snap Ring Pliers Set

Cat. No.			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



Long Nose Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			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



- 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 treated cutting edge cut wire hardness up to HRC40

Diagonal Pliers

Cat. No.	Size	Overall Length	Jaw Thickness	Jaw Width	Overall Width			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



- 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 treated cutting edge cut wire hardness up to HRC40

Pliers, Crimping Tool, Snips & Cutter

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



ANSI B107.13M
DIN 5236

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



- 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 treated cutting edge cut wire hardness up to HRC40

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	3	18	26.9 kg


ANSI B107.23M
DIN 5231

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



- Body is made of chrome vanadium steel
- A8 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

ANSI B107.23M
DIN 5231



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



- Body is made of chrome vanadium steel

Pliers, Crimping Tool, Snips & Cutter

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

ANSI B107.13M
DIN 5236

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



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

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



ANSI B107.11M
DIN 5238

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



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

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

ANSI B107.20M
DIN 5244



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



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

Pliers, Crimping Tool, Snips & Cutter

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



- 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 treated cutting edge cut wire hardness up to HRC40

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



- 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 treated cutting edge cut wire hardness up to HRC40

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



- 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 treated cutting edge cut wire hardness up to HRC40

Pliers, Crimping Tool, Snips & Cutter

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



- 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 treated cutting edge cut wire hardness up to HRC40

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



- 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 treated cutting edge cut wire hardness up to HRC40

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



- 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 treated cutting edge cut wire hardness up to HRC40

Pliers, Crimping Tool, Snips & 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



- 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

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



- 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

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



- 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

Pliers, Crimping Tool, Snips & Cutter

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

Pliers, Crimping Tool, Snips & Cutter

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

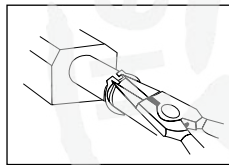


- Nickel-plated finish for rust resistant

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

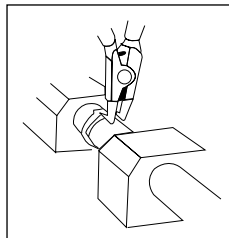


- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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



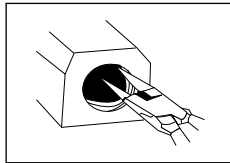
- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

Pliers, Crimping Tool, Snips & Cutter

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

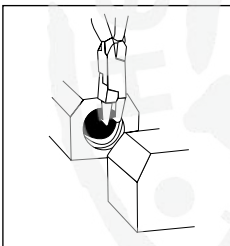


- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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



- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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

Pliers, Crimping Tool, Snips & Cutter

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



DIN 5254

Part No.	Size	Dia(±0.05)(mm)
72021	5"	1.25
72022	7"	1.75
72023	9"	2.15
72024	13"	2.95



- 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


DIN 5254

Part No.	Size	Dia(±0.05)(mm)
72031	5"	1.25
72032	7"	1.75
72033	9"	2.15
72034	13"	2.95



- 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

DIN 5254



Part No.	Size	Dia(±0.05)(mm)
72041	5"	1.25
72042	7"	1.75
72043	9"	2.15
72044	13"	2.95



- Made of chrome vanadium steel for durability

Pliers, Crimping Tool, Snips & Cutter

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

ANSI B107.20M
DIN 5244

Cutting Capacity(mm)
Copper Wire Ø2.6, Iron Wire Ø2.5, Hard Wire Ø2.3



- Made of chrome nickel steel for durability
- Improved cutter design for longer wear with heat treated, hardened steel cutting edges
- Handle grips are anti-slip and oil resistant
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Special leverage design that reduces efforts by 40%

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



ANSI B107.11M
DIN 5238

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



- Made of chrome nickel steel for durability
- Improved cutter design for longer wear with heat treated, hardened steel cutting edges
- Handle grips are anti-slip and oil resistant
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Special leverage design that reduces efforts by 40%

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



- Made of chrome nickel steel for durability
- Improved cutter design for longer wear with heat treated, hardened steel cutting edges
- Handle grips are anti-slip and oil resistant
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Special leverage design that reduces efforts by 40%

Pliers, Crimping Tool, Snips & Cutter

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



- Made of chrome nickel steel for durability
- Improved cutter design for longer wear with heat treated, hardened steel cutting edges
- Handle grips are anti-slip and oil resistant
- Distinctive two tone grip design for improved appearance and ergonomic handle for best hand comfort
- Special leverage design that reduces efforts by 40%

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

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

ANSI B107.11M

Part No.	Size	Cutting Range(mm)
70641	5"	ResinØ3
70642	6"	ResinØ5
70643	7"	ResinØ6



- Made of chrome vanadium steel.
- Body hardness HRC43~48; Blade hardness HRC56~62
- Japanese-style curved blade with spring
- For cutting plastic/ vinyl coated cable
- Not for use in cutting metal material




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

Pliers, Crimping Tool, Snips & Cutter

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 ²
22-18	0.65-1MM ²

Crimping Shape: 




- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

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 ²
18-16	1-1.5MM ²
16-14	2.5MM ²
14-12	4MM ²
12-10	6MM ²

Terminal Shape: 




- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

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 ² , 2.5MM ² , 5.4MM ² , 6.48MM ² , 8.2MM ²



Terminal Shape: Coaxial Cable 



- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

Pliers, Crimping Tool, Snips & Cutter

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 ²
16-14	1.1-2.5MM ²
12-10	4-6MM ²





Terminal Shape: 



- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

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 ²
16-12	2.5-4MM ²
12-10	6-8MM ²
8-6	10MM ²





Terminal Shape: 




- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

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 ²
16-14	1.1-2.5MM ²
12-10	4-6MM ²





Terminal Shape: 



- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Made of high carbon steel with glass fiber handle
- Adjustable locking mechanism easily controlled by pressing/release of handle

Pliers, Crimping Tool, Snips & Cutter

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



- High accuracy connector crimping pin to moderately press connector on cable wire without damaging the connector
- Connector range from telephone and network connector, including 40, 6P and 8P
- Made of high carbon steel with glass fiber handle
- Wire strapping and cutting functions


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



- Made of chrome vanadium steel blades with serrated edges
- Hardened HRC 55-60
- Induction hardened cutting edges 60-62 HRC
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Non-slip cushion handle

 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





- Made of chrome vanadium steel blades with serrated edges
- Hardened HRC 55-60
- Induction hardened cutting edges 60-62 HRC
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Non-slip cushion handle

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

Pliers, Crimping Tool, Snips & Cutter


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

- Made of chrome vanadium steel blades with serrated edges
- Hardened HRC 55-60
- Induction hardened cutting edges 60-62 HRC
- Cuts up to 1.2mm cold rolled steel or 0.7 mm stainless steel
- Non-slip cushion handle



 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 ²
91202	7"	10-22	0.32-5.26MM ²



- Accurate wire stripping pin for easy cutting of insulated surface without damaging the inner wire
- Circlip design for convenient storage
- Plastic handle for comfortable use
- Body is made of high carbon steel

Pliers, Crimping Tool, Snips & Cutter


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



- Provide accurate wire stripping function without damaging the inner wire
- In accordance to QB/T2207-1996 manufacturing standard

 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



- Provide accurate wire stripping function without damaging the inner wire
- In accordance to QB/T2207-1996 manufacturing standard

 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





- One-piece drop forged construction
- Cutting edges induction hardened to HRC 58-60
- Bulldog pattern snips for trimming extra heavy stock

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

Pliers, Crimping Tool, Snips & Cutter

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")



- General plant maintenance tool
- Drop-forged precision ground alloy steel jaws with center-cut blades
- Cut soft, medium or hard material

 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")





- General plant maintenance tool
- Drop-forged precision ground alloy steel jaws with center-cut blades
- Cut soft, medium or hard material

 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.


Pliers, Crimping Tool, Snips & Cutter

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



- Applicable blade size: 3x18 mm
- Feed knob contains backup blades
- Keep the wheel away from the blade and maintains with lubricants regularly


 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



- Applicable blade size: 3x18 mm
- Feed knob contains backup blades
- Keep the wheel away from the blade and maintains with lubricants regularly


 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





- Handle lock for safety
- For cutting PVC tubes only
- Heat treatment on stainless steel blade for durability

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


Pliers, Crimping Tool, Snips & Cutter

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



- Applicable blade size: 6.2*18 mm, 6.2*22 mm
- Suitable for narrow space


 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



- Made of hardened alloy steel
- For cutting copper, aluminum, brass and thin wall tubing
- Spare blade for 97301, 97302 and 97305 tubing cutter


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

2 Pc. PVC Tube Cutter Blades

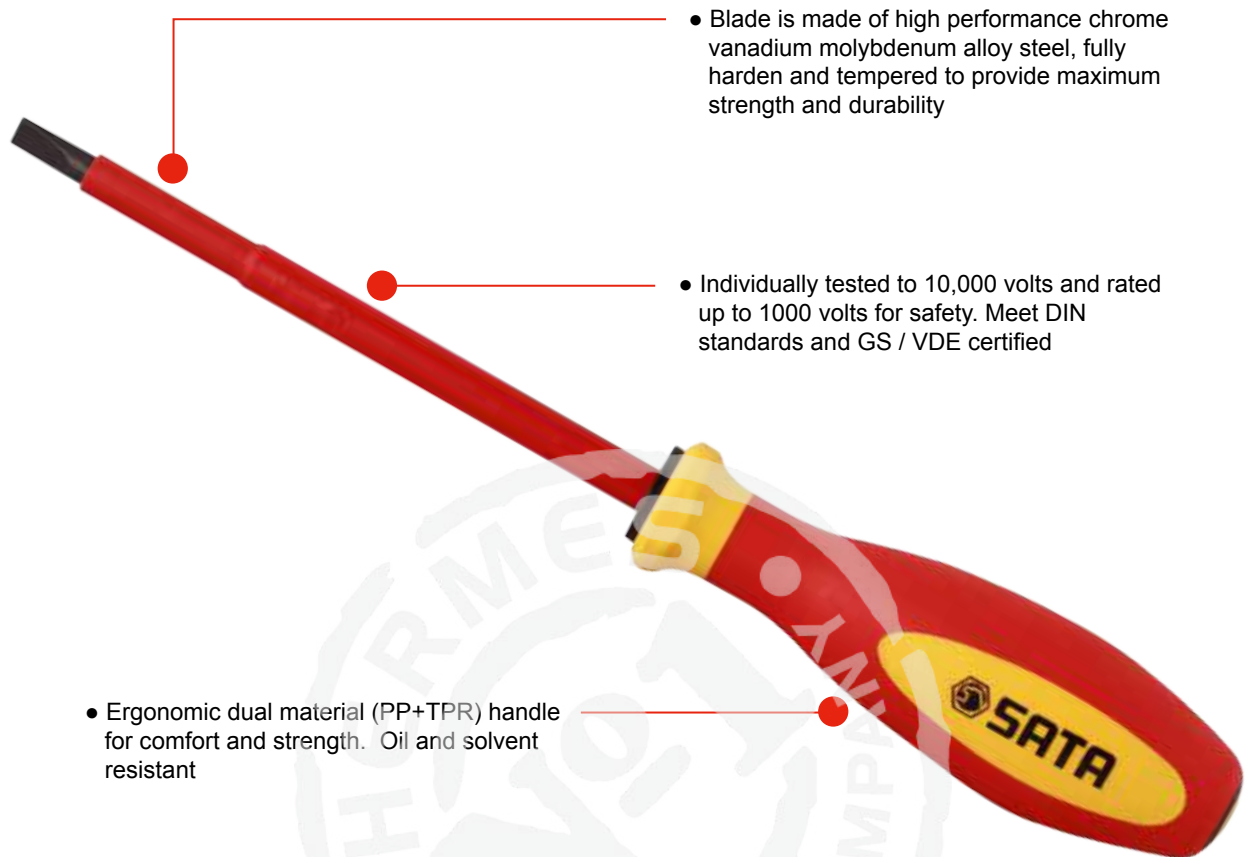
Cat. No.	Size	Overall Length	Overall Width			G.W.
97312	6.2x18 mm, 6.2x22 mm	19.7 cm	15.5 cm	12	240	7 kg



- 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



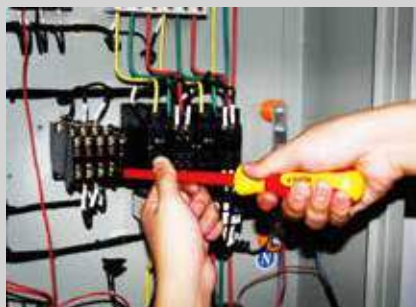
- Blade is made of high performance chrome vanadium molybdenum alloy steel, fully harden and tempered to provide maximum strength and durability

- 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.



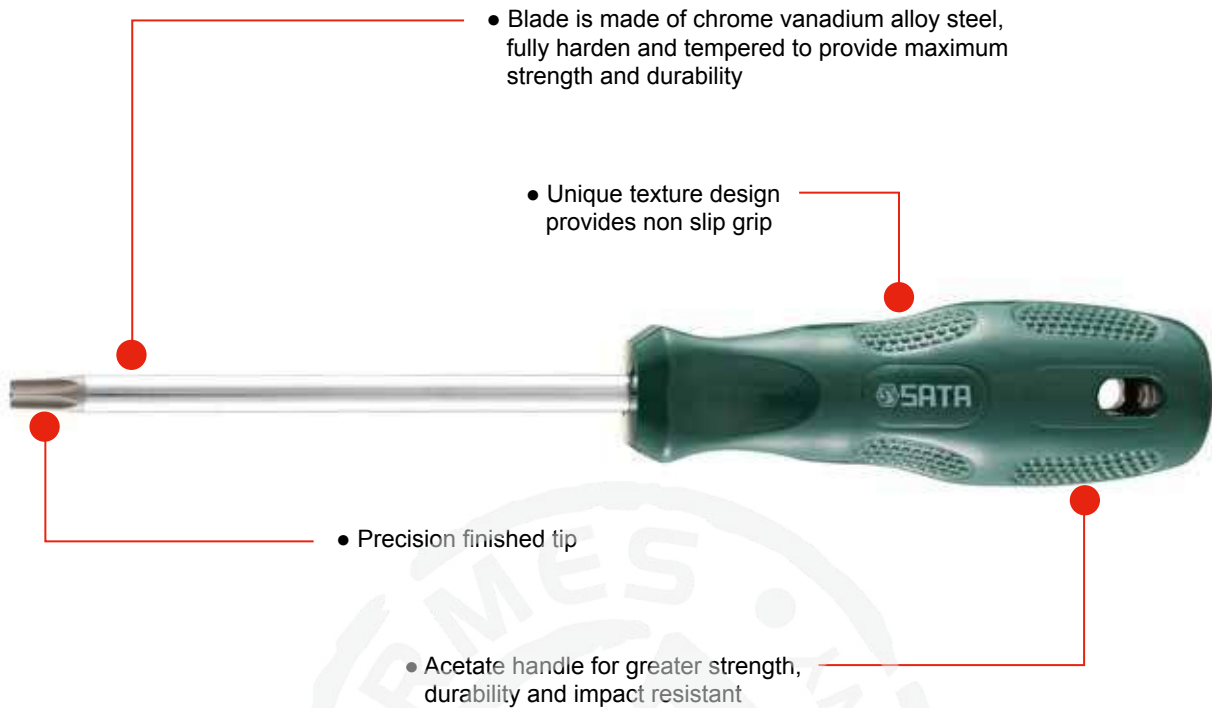
Suitable for working on live circuits of 1000V.



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.

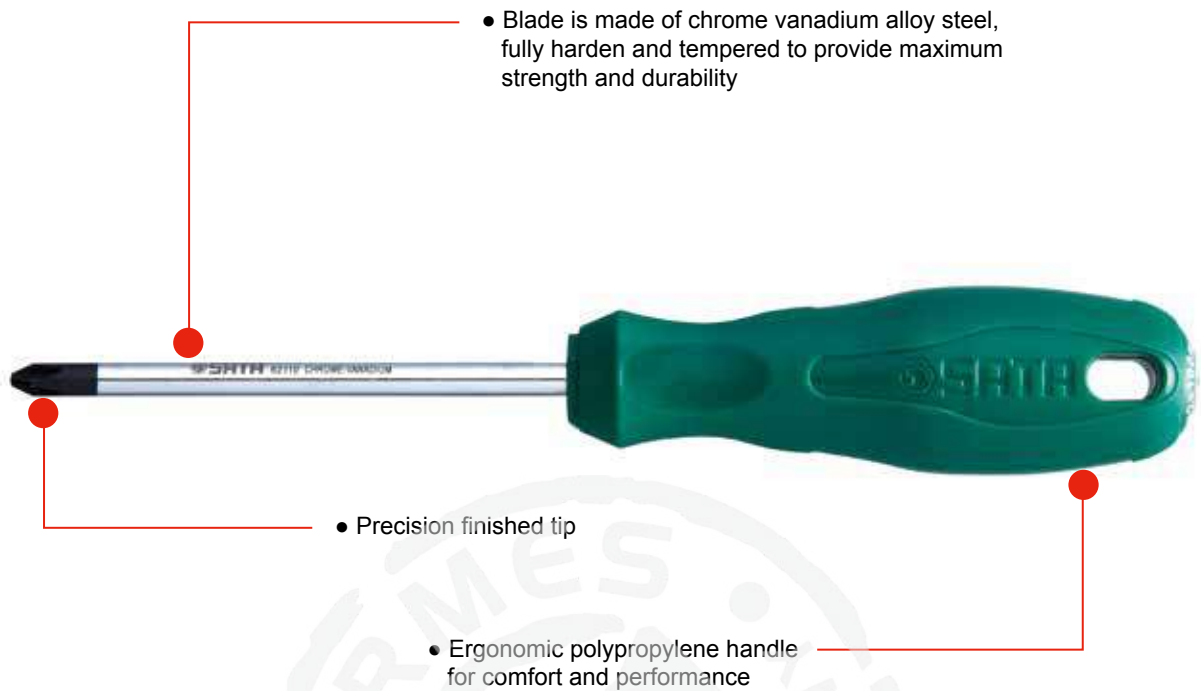
Acetate Screwdriver



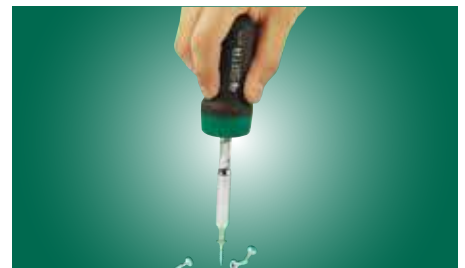
Cushion Grip Screwdriver



P-Series Screwdriver



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

Screwdriver & Nut Driver - Set

7 Pc. G-series VDE Insulated Screwdriver Set

Cat. No.			G.W.
09301A	0	4	2.4 kg

CONTENTS:

PHILLIPS - #0x60 mm, #1x80 mm, #2x100 mm
SLOTTED - 2.5x75 mm, 4x100 mm
5.5x125 mm, 6.5x150 mm



- Individually tested to 10,000 volts and rated up to 1000 volts for safety
- Imported alloy steel shank with overall heat treatment and tips with phosphate processing to ensure the function end size more accurate
- Imported bicolor material Patented triangular handle has greater torque output, more comfortable touch, and better oil resistance and wear resistance

7 Pc. T-series VDE Insulated Screwdriver Set

Cat. No.			G.W.
09303	0	10	7.9 kg

CONTENTS:

PHILLIPS - #0x60mm, #1x80mm, #2x100mm
SLOTTED - 2.5x75mm, 4.0x100mm, 5.5x125mm,
6.5x150mm

New



- Individually tested to 10,000 volts and rated up to 1000 volts for safety
- Imported alloy steel shank with overall heat treatment and tips with phosphate processing to ensure the function end size more accurate
- Imported bicolor material Patented triangular handle has greater torque output, more comfortable touch, and better oil resistance and wear resistance

6 Pc. Acetate Combination Screwdriver Set

Cat. No.			G.W.
09303E	0	5	7.6 kg

CONTENTS:

PHILLIPS - #0x75mm, #1x100mm, #2x100mm
SLOTTED - 3.2x75mm, 5x75mm, 6x100mm



10 Pc. Acetate Combination Screwdriver Set

Cat. No.			G.W.
09304E	0	4	9 kg

CONTENTS:

PHILLIPS - #1x100 mm, #2x38 mm, #2x100 mm
#2x150mm, #3x150 mm
SLOTTED - 5x75 mm, 6x38 mm, 6x100 mm
6x150 mm, 8x150 mm



Screwdriver & Nut Driver - Set

8 Pc. Acetate Torx® Screwdriver Set

Cat. No.			G.W.
09305	0	5	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.			G.W.
09306	0	5	6.1 kg

CONTENTS:

PHILLIPS - #1x75mm, #2x38mm, #2x100mm, #2x150mm
SLOTTED - 5x75mm, 6x38mm, 6x100mm, 6x150mm



6 Pc. Cushion Grip Combination Screwdriver Set

Cat. No.			G.W.
09309	0	6	7.6 kg

CONTENTS:

PHILLIPS - #1x75mm, #2x100mm, #2x150mm
SLOTTED - 5x75mm, 5x100mm, 6x150mm



8 Pc. P-series Torx® Screwdriver Set

Cat. No.			G.W.
09307	0	5	5.7 kg

CONTENTS:

TORX® - T8x75 mm, T10x100 mm, T15x100 mm,
T20x100 mm, T25x100 mm, T27x100 mm,
T30x100 mm, T40x100 mm



Screwdriver & Nut Driver - Set

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. 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



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



Screwdriver & Nut Driver - Set

7 Pc. Precision Combination Screwdriver Set

Cat. No.			G.W.
09314	6	24	10.7 kg

CONTENTS:

PHILLIPS - #000x40 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 - #000x40 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 - #000x40mm, #0x50mm, #00x50mm
 SLOTTED - 1.0x40mm, 2.0x50mm, 3.0x50mm, 3.5x50mm
 TORX® - T6x50mm, T8x50mm, T10x50mm, T15x50mm
 HEX - 1.5x50mm, 2.0x50mm, 2.5x50mm, 3.0x50mm



Screwdriver & Nut Driver - Set


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



 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.

Screwdriver & Nut Driver - Set

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.

Screwdriver & Nut Driver - Open Stock

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	12	144	4.8 kg
62203	3.2 mm	100.0 mm	172 mm	23.0 mm	12	600	19.3 kg
62204	3.2 mm	150.0 mm	221 mm	23.0 mm	12	576	23.3 kg
62205	3.2 mm	200.0 mm	271 mm	23.0 mm	12	480	20.1 kg
62207	5.0 mm	75.0 mm	165 mm	28.0 mm	12	300	19 kg
62208	5.0 mm	100.0 mm	190 mm	28.0 mm	12	300	20.4 kg
62209	5.0 mm	150.0 mm	240 mm	28.0 mm	12	240	17.8 kg
62210	5.0 mm	200.0 mm	290 mm	28.0 mm	12	240	20.7 kg
62211	6.0 mm	38.0 mm	99 mm	35.0 mm	12	288	19.8 kg
62212	6.0 mm	100.0 mm	202 mm	32.0 mm	12	144	14.2 kg
62213	6.0 mm	150.0 mm	252 mm	32.0 mm	12	144	16.1 kg
62214	6.0 mm	200.0 mm	312 mm	32.0 mm	12	144	17.9 kg
62215	6.0 mm	250.0 mm	352 mm	32.0 mm	12	144	19.8 kg
62216	8.0 mm	150.0 mm	260 mm	35.0 mm	6	120	20 kg
62217	8.0 mm	200.0 mm	312 mm	35.0 mm	6	90	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	12	600	18.2 kg
62303	#0	100.0 mm	221 mm	23.0 mm	12	600	20.7 kg
62304	#0	150.0 mm	222 mm	23.0 mm	12	576	21.1 kg
62305	#0	200.0 mm	272 mm	23.0 mm	12	480	19.5 kg
62307	#1	75.0 mm	166 mm	28.0 mm	12	300	19.1 kg
62308	#1	100.0 mm	190 mm	28.0 mm	12	300	20.5 kg
62309	#1	150.0 mm	240 mm	28.0 mm	12	240	18.6 kg
62310	#1	200.0 mm	288 mm	28.0 mm	12	240	20.1 kg
62311	#2	38.0 mm	99 mm	35.0 mm	12	288	19.5 kg
62312	#2	100.0 mm	202 mm	32.0 mm	12	144	14.3 kg
62313	#2	150.0 mm	250 mm	32.0 mm	12	144	16 kg
62314	#2	200.0 mm	312 mm	32.0 mm	12	144	17.9 kg
62315	#2	250.0 mm	352 mm	32.0 mm	12	144	19.7 kg
62316	#3	150.0 mm	260 mm	35.0 mm	6	120	20.2 kg
62317	#3	200.0 mm	312 mm	35.0 mm	6	90	17.2 kg

ANSI B107.15
DIN 5262



Screwdriver & Nut Driver - Open Stock

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



- 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

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



- Shank made of premium CRV steel with strong magnetic tip.
- Acetate handle for greater strength, durability and impact resistant

Screwdriver & Nut Driver - Open Stock

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



- Dedicated to connect 1/4" series bits
- Magnetic shack to ensure bits will not slip off easily

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



- High torque: shank made of chrome vanadium alloy steel
- Three steering function: fixed / forward / reverse
- With magnetic to prevent bit drop off when operating
- Ergonomic handle design for soft and comfortable grip. Soft plastic material for anti-slip function
- Handle can storage bit or magnetic bar

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



- Go-through design for" tapping" the head of the screw
- Hex shank for better strength

Screwdriver & Nut Driver - Open Stock

Cushion Grip Go-through Screwdrivers - Phillips

				Maxi Handle			
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
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



- Go-through design for" tapping" the head of the screw
- Hex shank for better strength

Cushion Grip Screwdrivers - Slotted

				Maxi Handle			
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
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 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



- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Magnetic tip for greater fastener control. Precision finished tip
- Ergonomic dual material(PP+TPR) handle for comfort and strength. Oil and solvent resistant

Screwdriver & Nut Driver - Open Stock

Cushion Grip Screwdrivers - Phillips



				Maxi Handle			
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
63502	#0	75.0 mm	160.0 mm	25.0 mm	12	48	1.8 kg
63503	#0	100.0 mm	185.0 cm	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 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



- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Magnetic tip for greater fastener control. Precision finished tip
- Ergonomic dual material(PP+TPR) handle for comfort and strength. Oil and solvent resistant


Cushion Grip Reversible Screwdriver

				Maxi Handle			
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
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





- Blade is made of chrome vanadium alloy steel with overall heat treatment. Tips with chrome plating for more accurate size and better anti-rust ability
- Ergonomic dual material(PP+TPR) handle for comfort and strength. Oil and solvent resistant

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

Screwdriver & Nut Driver - Open Stock

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



- 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 standard and GS/ VDE certified
- Ergonomic dual material(PP+TPR) handle for comfort and strength. Oil and solvent resistant



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



- 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 standard and GS/ VDE certified
- Ergonomic dual material(PP+TPR) handle for comfort and strength. Oil and solvent resistant



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

New





- For use in high voltage areas, up to 1000V alternating current
- VDE certified
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Ergonomic dual material handle for comfort and strength. Oil and solvent resistant



Screwdriver & Nut Driver - Open Stock

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

New



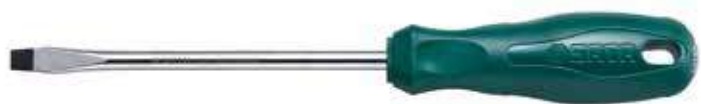
- For use in high voltage areas, up to 1000V alternating current
- VDE certified
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Ergonomic dual material handle for comfort and strength. Oil and solvent resistant



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



- 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.

Screwdriver & Nut Driver - Open Stock

P-series Screwdrivers - Phillips



				Maxi Handle			
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
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



- 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

P-series Screwdrivers - Torx®

Maxi Handle							
Cat. No.	Size	Shank Length	Overall Length	Diameter			G.W.
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

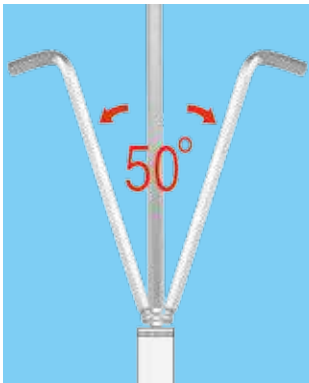
ANSI B107.15
DIN 5264



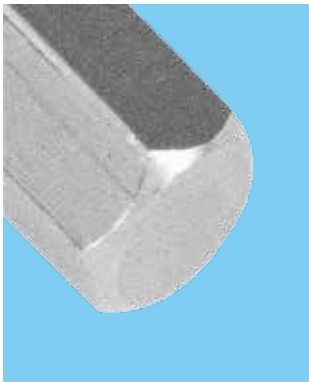
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Precision finished tip
- Ergonomic polypropylene handle for comfort and performance

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



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"



Hex Key - Set

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 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"



Hex Key - Set

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. 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



Hex Key - Set

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

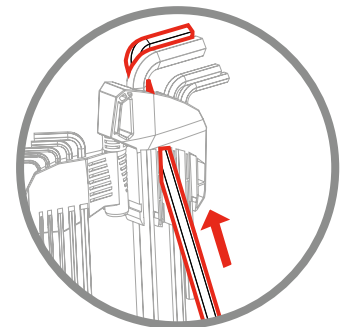
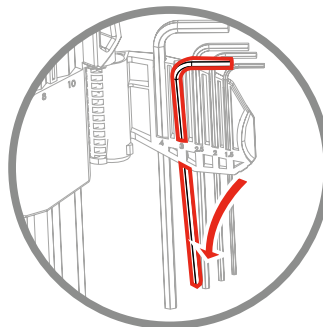
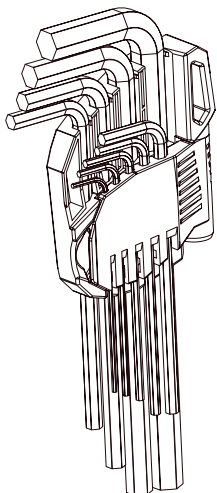
CONTENTS:

T9, T10, T15, T20, T25, T27, T30, T40



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 - Open Stock

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



- Made of chrome vanadium steel to provide maximum strength and durability
- Chamfered tips for faster insertion
- Ball point keys allow for angled access to fasteners
- Up to 30% longer for improved access and leverage

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



- Made of chrome vanadium steel to provide maximum strength and durability
- Chamfered tips for faster insertion
- Up to 30% longer for improved access and leverage

Hex Key - Open Stock

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



- Made of chrome vanadium steel to provide maximum strength and durability
- Chamfered tips for faster insertion
- Ball point keys allow for angled access to fasteners

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



- Made of chrome vanadium steel to provide maximum strength and durability
- Chamfered tips for faster insertion

Hex Key - Open Stock



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



- Upgrade to SVMC+ material to provide 30% more torque than CRV material.
- Ergonomics non-slip grip delivers superior strength and ultimate comfort in use.

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



- Upgrade to SVMC+ material to provide 30% more torque than CRV material.
- Ergonomics non-slip grip delivers superior strength and ultimate comfort in use.

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
84323	17 mm	246 mm	61.5 mm	12	24	15.2 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



- Made of chrome vanadium steel for strength and durability
- Black finishing

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



- PVC handle for comfortable grip





- 1.2mm thickness steel body for strong and lasting usage



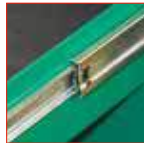
- Two swivel (with stopper) and two fixed casters with pin rolling bearings

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



- PVC handle for comfortable grip





- 1.2mm thickness steel body for strong and lasting usage



- Two swivel (with stopper) and two fixed casters with pin rolling bearings

Tool 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

New

- Curve design vertical tubes for stronger body and impact resistant

- Removable tool box on both side of for easy storage

- High durability roller track enable smooth sliding
- High quality casters for smooth moving
- Top 6 drawer capacity should not exceed 35kg, 7th drawer capacity should not exceed 45kg
- Total cabinet capacity should not exceed 300kg
- Suitable for tool set 95207S

- Integrally formed table with screwdriver slots





- Integrally formed table with trays for easy storage small parts; Integrally formed handle for comfort grip



- User-friendly design side lock to avoid the interference of drawer and key

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

New

- Mounting holes for Mechanics Bench Vise

- High durability roller track enable smooth sliding
- High quality casters for smooth moving
- Top 4 drawers capacity should not exceed 35kg, 5th drawer capacity should not exceed 45kg
- Total cabinet capacity should not exceed 300kg
- Suitable for tool set 95208S

- Attractive and durable stainless steel table



- User-friendly design side lock to avoid the interference of drawer and key





- Removable tool box on both side of for easy storage

- High quality door lock

Tool Storage



14" Metal Tool Box

Cat. No.	Width	Depth	Height			G.W.
95101	360 mm	150 mm	115 mm	0	1	2 kg



- Made of galvanized steel, phosphate for rust-resistant
- 0.8mm thickness steel body for strong and lasting usage
- Strong comfort handle


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"



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



- Made of galvanized steel, phosphate for rust-resistant
- 0.9mm thickness steel body for strong and lasting usage
- Strong comfort handle

26" 3 Drawer Chest



Cat. No.	Width	Depth	Height			G.W.
95105	670 mm	315 mm	265 mm	0	1	17.9 kg



- High durability roller track enable smooth sliding
- Locking system
- 0.8mm thickness steel body for strong and lasting usage.

Tool Storage



26" 6 Drawer Chest

Cat. No.	Width	Depth	Height			G.W.
95106	660 mm	305 mm	380 mm	0	1	28.4 kg



- High durability roller track enable smooth sliding
- Locking system
- 0.8mm thickness steel body for strong and lasting usage.


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



- See-through net structure on side panels
- Shuttle door for easy open/ close
- Open top tray for easy tools placement
- Total trolley capacity should not exceed 100kg

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

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



- Compact size for multiple usages
- Top tray for easy tools placement while work-in-progress
- Bottom tray – cater for big size tools which can't fit into drawers
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 150kg

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



- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- High durability roller track enable smooth sliding

Tool Storage

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




- 1.2mm thickness steel body for strong and lasting usage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- Screwdriver compartment for easy and convenience storage
- Flip open top provides greater accessibility to tools
- Foldable side table is convenient and saves space
- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 150kg

16" Aluminum Case



Cat. No.	Width	Depth	Height			G.W.
03601	425 mm	305 mm	125 mm	0	5	13.4 kg



- Popular silver white stripes with matte finishing. Surface with special coating for wear resistance and rust resistance
- Widening rigid metal frame in the box has excellent impact resistance
- Wear resistance ABS cover and rubber feet on the box corner for firm and durability
- With EVA separator can arbitrarily divide the storage space
- Size: 16"

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

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



- 1.2mm thickness steel body for strong and lasting usage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- PVC handle for comfortable grip
- 4 protective covered legs prevent damage against knocks
- Flip open top provides greater accessibility to tools
- Foldable side table is convenient and saves space
- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 45kg
- Total trolley capacity should not exceed 240kg


24" Aluminum Trolley Case

Cat. No.	Width	Depth	Height			G.W.
03621	490 mm	420 mm	230 mm	0	1	8 kg

New




- Case thickness up to 7mm
- Case can accommodate 40KG weight and remain freely use
- Impact resistance: Passed strict impact test, Structure force up to 300KG, surface panel force up to 100KG
- Multipurpose with separators can arbitrarily divide the storage space
- Double lock structure and anti-shock EVR pad lining for more safety

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


Tool Storage

15" Plastic Tool Box



Cat. No.	Width	Depth	Height			G.W.
95161	385 mm	202 mm	140 mm	0	6	5.2 kg



- Tool box made of high impact resistant PP material
- Lock and Handle made of strong ABS material
- Size: 15"


 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



- Tool box made of high impact resistant PP material
- Lock and Handle made of strong ABS material
- Partitioned tray included


 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



- Tool box made of high impact resistant PP material
- Lock and Handle made of strong ABS material
- Partitioned tray includedSize: 18"


 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



- Tool box made of high impact resistant PP material
- Lock and Handle made of strong ABS material
- Partitioned tray includedSize: 21"


 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



- Tool box made of high impact resistant PP material
- Lock made of strong ABS material
- Partitioned tray includedSize: 17"

 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!!**

Tool Storage - Tray Set

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

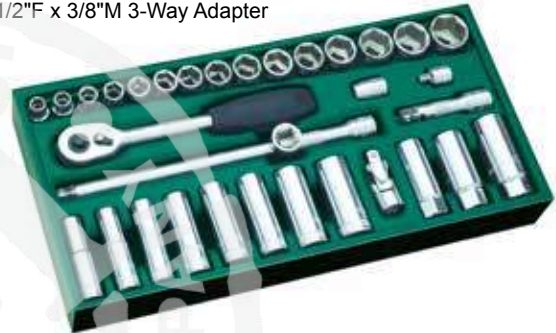


33 Pc. 3/8" Drive 6 Point Metric Socket Tray Set



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



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



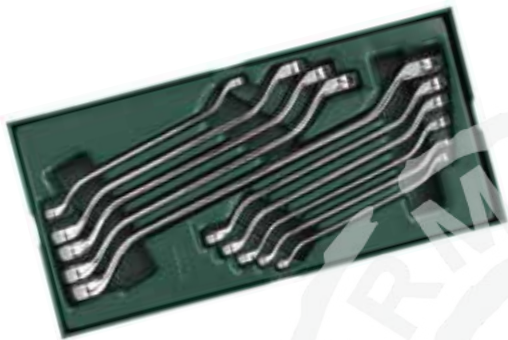
Tool Storage - Tray Set

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



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"



Tool Storage - Tray Set

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



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

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"



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



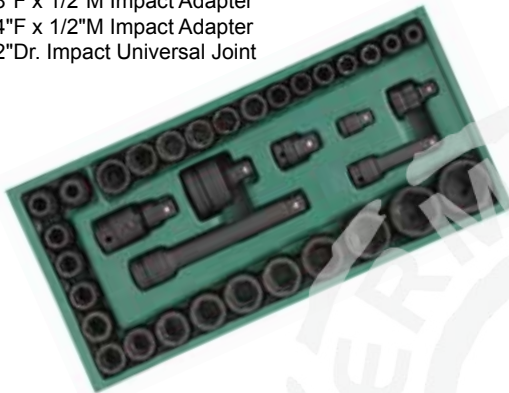
Tool Storage - Tray Set

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



- 1.2mm thickness steel body for strong and lasting usage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- Screwdriver compartment for easy and convenience storage
- PVC handle for comfortable grip
- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 240kg

Tool Storage - Tray Set

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

- 1.2mm thickness steel body for strong and lasting usage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- Screwdriver compartment for easy and convenience storage
- PVC handle for comfortable grip
- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 240kg



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

- 1.2mm thickness steel body for strong and lasting usage
- Two swivel (with stopper) and two fixed casters with pin rolling bearings
- Screwdriver compartment for easy and convenience storage
- PVC handle for comfortable grip
- High durability roller track enable smooth sliding
- Each drawer capacity should not exceed 35kg
- Total trolley capacity should not exceed 240kg



Tool Storage - Tray Set

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



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



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



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



Tool Storage - Tray Set

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



Tool Storage - Tray Set

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

New



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

New



Tool Storage - Tray Set

171 Pc. General Tool Set

Cat. No.			G.W.
95207S	0	1	28 kg

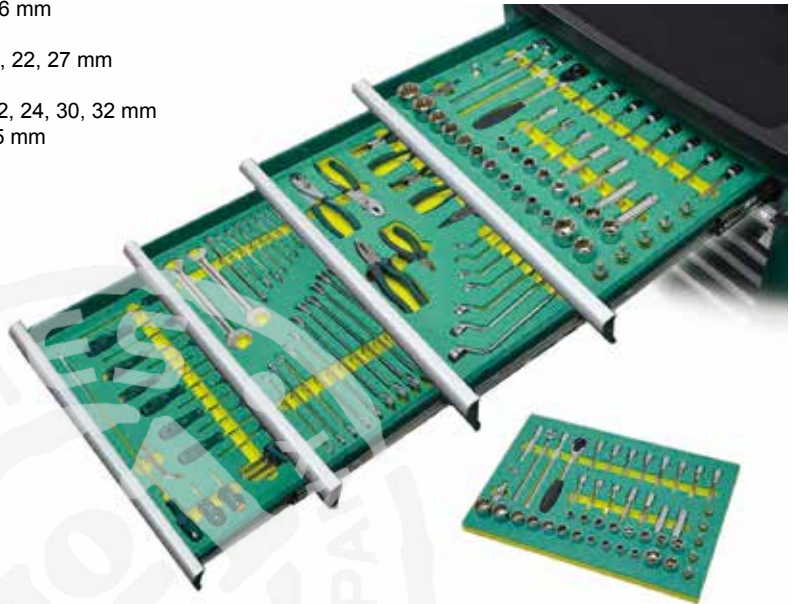
CONTENTS:

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 Magnetic 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

New



- 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

Tool Storage - Tray Set

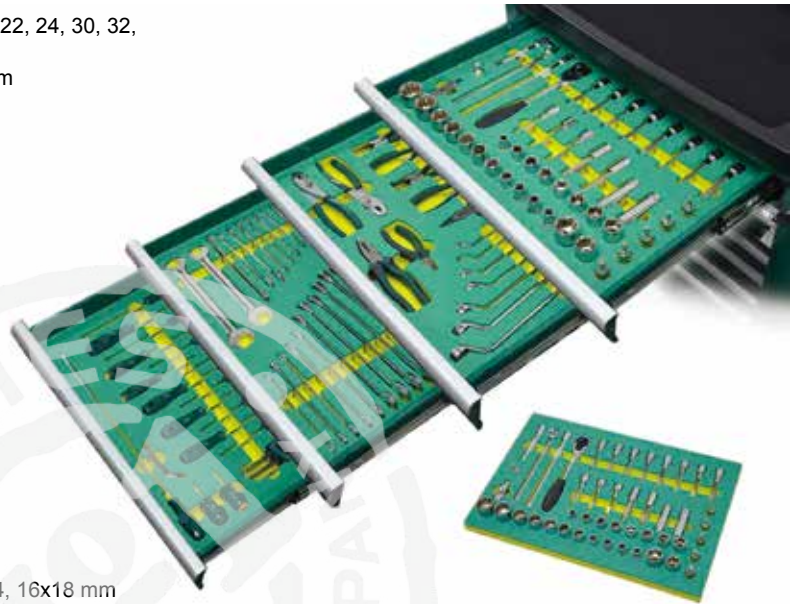
103 Pc. General Tool Set

Cat. No.			G.W.
95208S	0	1	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"

New



- 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



Punch - Set

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



- Product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Chisel: ASME B107.47M-1998
- Punch: ASME B107.48M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust

 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



- Product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Chisel: ASME B107.47M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Powder Coating treatment is resistant to rust

 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



- Product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Punch: ASME B107.48M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust

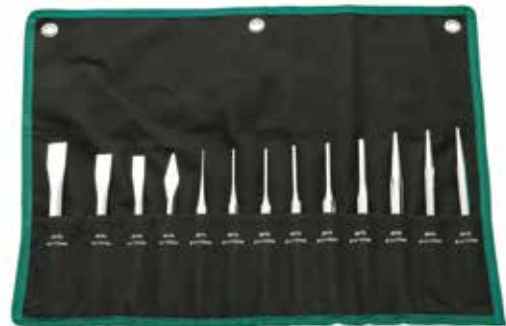
 Nature of this product is subject to wear and tear upon usage.
Not covered under Lifetime Warranty.

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



- Product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Chisel: ASME B107.47M-1998
- Punch: ASME B107.48M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust

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


Punch

Center Punches

Cat. No.	Size	Tapping Surface				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

- product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Punch product:ASME B107.48M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust




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

Pin Punches

Cat. No.	Size	Tapping Surface				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

- product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Punch product:ASME B107.48M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust




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

Cold Chisels

Cat. No.	Size	Tapping Surface				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

- product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement: - Chisel product:ASME B107.47M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Chromate treatment is resistant to rust



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


Punch & Hammer

Cold Chisels

Cat. No.	Size	Tapping Surface				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



- product dimensional accuracy exceeds German DIN standard
- Complies to USA ASME safety requirement:
- - Chisel product: ASME B107.47M-1998
- Made of 60CR-V steel to provide maximum strength and durability
- Powder Coating treatment is resistant to rust

 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)						
92101	310 g		97 mm	330 mm	6	36	16.4 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Heavy Shrinking Hammer

Cat. No.	Head Weight		Head Length	Overall Length			G.W.
	(Grams)						
92102	310 g		97 mm	330 mm	6	36	15.6 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Hammer

Curved Pein and Finishing Hammer

Cat. No.	Head Weight		Head Length	Overall Length			G.W.
	(Grams)						
92103	280 g		140 mm	330 mm	6	36	15.8 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Light Shrinking Hammer

Cat. No.	Head Weight		Head Length	Overall Length			G.W.
	(Grams)						
92104	310 g		97 mm	330 mm	6	36	16.9 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Straight Pein and Finishing Hammer

Cat. No.	Head Weight		Head Length	Overall Length			G.W.
	(Grams)						
92105	280 g		140 mm	330 mm	6	36	16.2 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Pick and Finishing Hammer



Cat. No.	Head Weight		Head Length	Overall Length			G.W.
	(Grams)						
92106	265 g		137 mm	330 mm	6	36	15.6 kg



- Forging hammer head with quenching treatment to prevent easy broken
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Hammer

Fiberglass Ball Pein Hammers

Cat. No.	Head Weight (Grams)	Head Weight (Ounces)	Overall Length			G.W.
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



- Hammer head is made of high carbon steel to withstand strong impact
- Unique embedding process to prevent hammer head easily fall off
- Fiberglass handle provides comfortable grip



Fiberglass Claw Hammers

Cat. No.	Head Weight (Grams)	Head Weight (Ounces)	Overall Length			G.W.
92306	454 g	16 oz	330 mm	2	8	6.7 kg
92307	680 g	24 oz	380 mm	2	8	8.8 kg



- Hammer head is made of high carbon steel to withstand strong impact
- Unique embedding process to prevent hammer head easily fall off
- Fiberglass handle provides comfortable 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



- Hammer head is made of high carbon steel to withstand strong impact
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

Hammer



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



- Hammer head is made of high carbon steel to withstand strong impact
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip



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




- Hammer head is made of high carbon steel to withstand strong impact
- Unique embedding process to prevent hammer head easily fall off
- HICKORY wood handle is durable and provides comfortable grip

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





- Hammer head is made of Aluminum Alloy with interchangeable soft-face / hard-face hammer tips
- Hammer head can be replaced with Soft or hard hammer head
- Suitable for different working environment
- HICKORY wood handle is durable and provides comfortable grip


 Plastic hammer head is not covered under Lifetime Warranty.

Hammer

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 tapping soft materials such as plastic, soft lead, wood and brass.. etc.
- Hammer head hardness match material surface hardness can avoid surface abrasion and dents
- It will not be deformed, broken or leave any remnants
- Suitable for installing work without damaging the object surface


 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 tapping soft materials such as plastic, soft lead, wood and brass.. etc.
- Hammer head hardness match material surface hardness can avoid surface abrasion and dents
- It will not be deformed, broken or leave any remnants
- Suitable for installing work without damaging the object surface


 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

- Industrial SB rubber absorbs impact, resistant to oil and provides a non-slip, comfortable grip
- Soft face hammer does not mar surface/equipments or cause sparks
- Appropriate for fire prevention environment
- Hammer head consists of ball-bearings for impact absorbing

 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.



Mostly used in measuring the clearance between two parts.



Two-way action installs or removes filters.



Auto Specialty Tool

6Pc. Automotive Body Repair Tool Set

Cat. No.			G.W.
09152	0	2	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.			G.W.
09401	24	144	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



- Blade is made of 65#Mn polished steel
- Blade length 3"
- Meet DIN2275 & JIS B 7524-1992 standard

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

16 Pc. Feeler Gauge Set 0.05-1.00mm


Cat. No.			G.W.
09402	12	144	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



- Blade is made of 65#Mn polished steel
- Blade length 3"
- Meet DIN2275 & JIS B 7524-1992 standard

 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.			G.W.
09405	36	144	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



- Blade is made of 65#Mn polished steel
- Blade length 4"
- Meet DIN2275 & JIS B 7524-1992 standard

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

Auto Specialty Tool

32 Pc. Feeler Gauge Set 0.02-1.00mm


Cat. No.			G.W.
09407	24	144	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



- Blade is made of 65#Mn polished steel
- Blade length 3.5"
- Meet DIN2275 & JIS B 7524-1992 standard

 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.			G.W.
09703	0	4	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



- Specially designed wrench removes and installs hard-to-reach oil filters
- Caution: Do not use with power tools

50 Pc. Automotive Tool Set

Cat. No.			G.W.
09508	0	2	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



Auto Specialty Tool

56 Pc. Automotive Tool Set

Cat. No.			G.W.
09509	0	4	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.			G.W.
09704	6	72	11.1 kg

CONTENTS:

- 2, 3, 4, 6.5, 7mm



- Tapered extractors for broken screws and studs
- Made from hardened and tempered steel(Cr-Mo)
- For removing screws and studs that cannot be held firmly

 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.			G.W.
09704A	6	72	11.1 kg

CONTENTS:

- 3.3, 5.3, 6.4, 8.8, 11.2mm



- Selection of GCr15 bearing steel materials. Hardness can reach HRC58-60
- Easy to use for quick removing broken screws
- Coarse thread design for longer usage life

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

Auto Specialty Tool



5 Pc. Hook and Pick Set

Cat. No.			G.W.
09709	20	200	11 kg




- Includes a piece of Magnetic extra long handle
- Heat-treated to improve durability
- It's convenient to work on O-rings, seals and split pins etc.

Cross Wheel Wrench

Cat. No.	Size			G.W.
48101	17, 19, 21mm, 1/2 in	4	12	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.			G.W.
62601	24	240	9.8 kg



- No battery required
- LCD digital display
- Induction test for easy break-point test, microwave radiation and leakage conditions
- Direct or in-direct measure for 12, 36, 55, 110 and 220 Voltage(AC & DC)
- Do not test on 380 Voltage electric sources
- Do not use as normal screwdrivers

 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			G.W.
90623	3 in	125 mm	75 mm	0	48	20.2 kg
90624	4 in	155 mm	100 mm	0	24	20.2 kg
90626	6 in	240 mm	150 mm	0	12	21.4 kg
90628	8 in	325 mm	200 mm	0	5	19 kg



- The shaft tip has gone through special heat treatment to increase durability
- Slip-resistant jaws design

Auto Specialty Tool

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



- The shaft tip has gone through special heat treatment to increase durability
- Slip-resistant jaws design

Universal Ball Joint Separator

Cat. No.			G.W.
90651	0	18	19 kg



- For separating ball joints
- Made of Chrome Vanadium steel with special heat treatment

Outer Tie Rod Romover

Cat. No.			G.W.
90661	0	18	14.5 kg
90662	6	12	14 kg



- For separating ball joints
- Made of Chrome Vanadium steel with special heat treatment
- High quality screws to ensure maximum Torque
- Slip-resistant jaws design

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

Auto Specialty Tool

Toe Dolly

Cat. No.			G.W.
92207	6	12	18 kg



- Made of high carbon steel by forging and tempering, boosting strength and durability

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

Wood Handle Putty Scraper

Cat. No.			G.W.
95201	6	60	8.4 kg



- Heavy Duty edge
- Wood handle provides more comfortable.
- Can be used for clearing dirt on engine cylinder surface and all kind of metal surface.


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

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.

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

Overall				
Cat. No.	Length			G.W.
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.

Auto Specialty Tool



End Cap Oil Filter Wrenches

	Max	Min			
Cat. No.	Diameter	Diameter			G.W.
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



- Special design with Chromate treatment
- Works with 3/8" DR. or 1/2" DR drive tools.



Universal 3-Jaw Oil Filter Wrench

	Max	Min			
Cat. No.	Diameter	Diameter			G.W.
97422	102 mm	63 mm	2	16	7.8 kg



- Two-way action installs or removes filters
- Works with 1/2" and 3/8" drive tools.
- Torque output increased by 10%



Adjustable Oil Filter Wrench Pliers

	Max	Min			
Cat. No.	Diameter	Diameter			G.W.
97426	116 mm	63.5 mm	6	36	17.5 kg



- For removing 63.5-116mm oil filters
- Two clamp handle allows larger clamping power.
- Plastic wrapped handle provides comfortable grip

1/2" Drive Oil Filter Strap Wrench



	Max			
Cat. No.	Diameter			G.W.
97441	120 mm	4	32	7 kg




- It can work with 1/2" drive tools and 13/16" spinner handles
- It can demount oil filters with a diameter below 120mm
- The strong and durable nylon belt can work in confined space

Auto Specialty Tool

Piston Ring Compressor

Cat. No.	Size			G.W.
97501	3 in	30	60	18.5 kg
97502	4 in	30	60	20.5 kg

- Positive lock action provides positive compression and fingertip release
- Heavy spring steel compresses the stiffest rings evenly
- Tool is beaded along lower edge to prevent compressor from entering the cylinder
- Working range: 97501 53-175MM, 97502 60-175MM

 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




- Made of quality carbon steel
- Works with 1/2" drive tools and 21mm sockets and wrenches
- Suitable for use where space under wheel arch is limited
- Special reinforced screw thread design to ensure safety
- Size: 97701: 270 mm, 97702: 370 mm

Scissor Jack

Maximum				
Cat. No.	Load			G.W.
97831	1.5 T	0	10	33 kg





- Lifting range 95~350mm
- Supplied complete with cranking handle

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

Auto Specialty Tool


Heavy Duty Speed Service Jack 2 Ton

Maximum				
Cat. No.	Load			G.W.
97811	2 T	0	1	34.5 kg



New



- Ensure nominal deadweight achieve marked value 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
- Double oil line hydraulic pump for fast lifting
- Universal joint Steering mechanism for more durability
- Meet ASME PALD-2009


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

Rotating Handle Hydraulic Floor Jack



Maximum				
Cat. No.	Load			G.W.
97881	2 T	0	1	11.2 kg
97882	3 T	0	1	17.9 kg



- Designed for use in heavy duty truck, heavy construction and agricultural equipment maintenance garages
- Chromed ram and dust seals on floor jack prevent hydraulic contamination
- Safety by-pass and overload systems protect hydraulic block
- Additional foot pedal pumping provides fast saddle raising to the load
- 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
- High carbon steel chassis provides maximum strength in a lightweight floor jack design

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


Heavy Duty Speed Service Jack 3 Ton

Maximum				
Cat. No.	Load			G.W.
97812	3 T	0	1	37.5 kg



New



- Ensure nominal deadweight achieve marked value 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
- Double oil line hydraulic pump for fast lifting
- Universal joint Steering mechanism for more durability
- Meet ASME PALD-2009

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


Hydraulic Bottle Jack

Maximum				
Cat. No.	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

New





- All steel construction
- Designed for use in automotive, industrial, construction or agricultural 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.


Auto Specialty Tool

Long Ram Jack-Portable Hydraulic Equipment

Maximum				
Cat. No.	Load			G.W.
97899	4 T	1	1	19 kg



- 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
- They include pump, ram, and connecting hose with quick couple for fast easy detachment

 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



Other Accessories

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



- Measuring range 100-500VAC
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum durability
- Meet CE requirements
- Do not use as normal screwdrivers


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

Automotive Circuit Tester 6V/12V/24V

Cat. No.			G.W.
62503	10	40	3.6 kg





- Designed for detecting transport machinery low-voltage circuit fault
- It can be used in automobiles, motorcycles, bulldozers, rollers and other transportation machinery maintenance operations
- Size: 6V-12V-24V


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

Other Accessories

Mechanics Bench Vise


Maxi Crimping						
Cat. No.	Size	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

- Made of heavy duty cast iron
- Square steel structure provides high strength clamping force for safety use
- Replaceable serrated main jaws provide tight grip
- Large anvil work surface for shaping
- Machined base plate for smooth swivel with lug holes for secure positioning on work bench
- Excellent clamping force


 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

- Metric/Imperial scale
- Bright yellow blade has clear easy-to-read numerals
- Case made of high strength ABS plastic.
- Case designed to fit perfectly in the hand
- Clearcoat blade protection for longer blade life

 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.

300mm Aluminum Hacksaw

Cat. No.	Size			G.W.
93405	12 in	6	24	16.2 kg





- One bi-metal 12" saw blade (#93407) included
- Ergonomic handle provides extra comfort

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


Other Accessories / Display Unit

Bi-metal Hacksaw Blade



Cat. No.	Size			G.W.
93407	12 in	100	1000	20.3 kg



- 24 teeth
- Excellent elasticity, strong teeth, smooth cutting and outstanding toughness
- Appropriate for cutting tough and hardly divisible steel, non-ferrous metals and plastics


 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.

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



- Metal material
- Product dimensions: 1000x2400x450
- Easy assembling


 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.

Product Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
03601	153	09054	10	09303E	125	09915	159	11906	37	12412	41
03621	153	09055	30	09304E	125	09916	159	11909	37	12413	41
06008	184	09060	26	09305	126	09917	160	11910	38	12414	41
06011	184	09060-6	26	09306	126	09918	160	11911	38	12415	41
08005	71	09062	75	09307	126	09919	161	11912	38	12701	41
08006	71	09063	74	09308	127	09920	161	11913	38	12702	41
08007A	11	09064	74	09309	126	09921	161	11914	38	12703	41
08009	79	09065	75	09311	127	09922	161	11922	39	12704	41
08010	79	09066	11	09312	127	09923	162	11924	37	12705	41
08011	77	09067	73	09313	127	09924	162	11970	37	12706	41
08012	78	09068	74	09314	128	09925	162	12101	39	12707	41
08013	79	09069	75	09315	128	09932	162	12102	39	12708	41
08015	12	09070	73	09316	128	11101	35	12103	39	12709	41
08016	12	09071	78	09317	128	11102	35	12104	39	12710	41
08018	73	09072	77	09324	130	11103	35	12105	39	12711	41
08019	80	09073	79	09326	130	11104	35	12106	39	12712	41
08020	10	09074	76	09341	129	11105	35	12107	39	12901	42
08023	77	09078	10	09342	129	11106	35	12108	39	12903	42
09001	23	09079	11	09343	129	11107	35	12109	39	12904	42
09002	23	09080	13	09401	175	11108	35	12110	39	12905	42
09003	24	09082	13	09402	175	11109	35	12111	39	12906	43
09004	24	09083	12	09405	175	11110	35	12201	40	12907	43
09005	25	09084	13	09407	176	11201	35	12202	40	12908	43
09006	25	09085	24	09501	28	11202	35	12203	40	12909	43
09007	26	09086	26	09502	29	11203	35	12204	40	12910	43
09008	61	09087	27	09504	29	11204	35	12205	40	12911	43
09009	61	09088	27	09506	29	11205	35	12206	40	12912	43
09010	30	09090	27	09506-6	29	11206	35	12207	40	12913	43
09011	31	09092	74	09508	176	11207	35	12208	40	12914	43
09012	80	09093	76	09509	177	11208	35	12209	40	12915	44
09013	32	09098	23	09510	33	11209	35	12301	40	12916	44
09014	33	09101A	140	09511	25	11301	36	12302	40	12917	44
09015	34	09102	140	09512	184	11302	36	12303	40	12919	44
09017	71	09103A	140	09519	32	11303	36	12304	40	12920	44
09018	71	09104	140	09520	34	11304	36	12305	40	12922	44
09019	72	09105A	141	09521	24	11305	36	12306	40	12930	44
09020	72	09106	141	09523	25	11306	36	12307	40	12960	42
09021	72	09107A	141	09525	28	11307	36	12308	40	12970	42
09022	72	09108	141	09531	34	11308	36	12309	40	12971	42
09024	10	09121	142	09535	185	11309	36	12310	40	12972	42
09025	12	09122	143	09701	142	11310	36	12311	40	13101	45
09026	75	09123	143	09702	142	11311	36	12312	40	13102	45
09027	76	09124	142	09703	176	11312	36	12313	40	13103	45
09028	78	09131	21	09704	177	11313	36	12314	40	13104	45
09029	80	09132	21	09704A	177	11314	36	12315	40	13105	45
09030	76	09133	21	09709	178	11401	36	12316	40	13106	45
09031	81	09134	21	09901	156	11402	36	12317	40	13107	45
09032	81	09152	175	09902	156	11403	36	12318	40	13108	45
09033	80	09161	167	09903	156	11404	36	12401	41	13109	45
09036	73	09162	167	09904	156	11405	36	12402	41	13110	45
09037	81	09163	167	09905	157	11406	36	12403	41	13111	45
09043	13	09164	167	09906	157	11407	36	12404	41	13112	45
09044	81	09203	27	09907	157	11408	36	12405	41	13113	45
09045	78	09204	28	09909	157	11409	36	12406	41	13114	45
09046	77	09205	28	09910	158	11410	36	12407	41	13115	45
09050	11	09206	23	09911	158	11901	37	12408	41	13201	45
09051	30	09251	102	09912	158	11903	39	12409	41	13202	45
09052	31	09301A	125	09913	158	11904	39	12410	41	13203	45
09053	31	09303	125	09914	159	11905	37	12411	41	13204	45

Product Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
13205	45	13512	47	16504	52	21108	55	24204	58	34203	61
13206	45	13513	47	16505	52	21201	55	24205	58	34204	61
13207	45	13514	47	16506	52	21202	55	24206	58	34205	61
13208	45	13515	47	16507	52	21203	55	24207	58	34206	61
13209	45	13601	48	16508	52	21204	55	24208	58	34207	61
13210	45	13602	48	16509	52	21205	55	24209	58	34208	61
13211	45	13603	48	16510	52	21206	55	24401	58	34209	61
13212	45	13604	48	16511	52	21301	56	24402	58	34210	61
13213	45	13605	48	16512	52	21302	56	24403	58	34211	61
13214	45	13606	48	16513	52	21303	56	24404	58	34212	61
13301	46	13607	48	16514	52	21401	56	24405	58	34213	61
13302	46	13608	48	16515	52	21402	56	24406	58	34214	61
13303	46	13609	48	16516	52	21403	56	24407	58	34303	63
13304	46	13610	48	16517	52	21501	56	24801	59	34304	63
13305	46	13611	48	16518	52	21502	56	24802	59	34305	63
13306	46	13612	48	16519	52	21503	56	24803	59	34306	63
13307	46	13613	48	16520	52	22101	56	24804	59	34307	63
13308	46	13614	48	16521	52	22102	56	24805	59	34308	63
13309	46	13615	48	16522	52	22103	56	24806	59	34309	63
13310	46	13616	48	16523	52	22104	56	24807	59	34310	63
13311	46	13617	48	16602	53	22105	56	25101	59	34311	63
13312	46	13618	48	16603	53	22106	56	25102	59	34312	63
13313	46	13619	48	16604	53	22107	56	25103	59	34314	63
13314	46	13620	48	16605	53	22108	56	25104	59	34315	63
13315	46	13701	48	16606	53	22109	56	25105	59	34316	63
13316	46	13702	48	16607	53	22110	56	25106	59	34317	63
13317	46	13703	48	16608	53	22111	56	25107	59	34320	63
13318	46	13704	48	16609	53	22201	56	25108	59	34322	63
13319	46	13705	48	16610	53	22202	56	25109	59	34323	63
13320	46	13706	48	16611	53	22203	56	25201	59	34325	63
13321	46	13707	48	16612	53	22204	56	25202	59	34403	63
13401	47	13708	48	16613	53	22205	56	25203	59	34404	63
13402	47	13901	49	16614	53	22206	56	25204	59	34405	63
13403	47	13904	49	16615	53	22207	56	25205	59	34406	63
13404	47	13905	49	16616	53	22301	57	25206	59	34407	63
13405	47	13906	50	16617	53	22302	57	25207	59	34408	63
13406	47	13907	50	16618	53	22303	57	25208	59	34409	63
13407	47	13908	50	16619	53	22401	57	25209	59	34410	63
13408	47	13909	50	16620	53	22402	57	25801	59	34411	63
13409	47	13910	50	16622	53	22403	57	25802	59	34412	63
13410	47	13911	50	16623	53	22501	57	25803	59	34414	63
13411	47	13912	50	16624	53	22502	57	25804	59	34415	63
13412	47	13913	50	16901	54	22503	57	25805	59	34417	63
13413	47	13914	51	16902	54	22601	58	25806	59	34419	63
13414	47	13915	51	16903	54	22602	58	25807	59	34420	63
13415	47	13916	51	16904	54	22603	58	32902	62	34422	63
13416	47	13917	51	16905	54	22604	58	33101	62	34423	63
13417	47	13918	51	16906	54	24101	58	33102	62	34425	63
13501	47	13919	51	16907	54	24102	58	33103	62	34505	65
13502	47	13930	51	16908	55	24103	58	33104	62	34506	65
13503	47	13950	50	16919	55	24104	58	33105	62	34507	65
13504	47	13951	50	17001	51	24105	58	33106	62	34508	65
13505	47	13960	49	21101	55	24106	58	33107	62	34509	65
13506	47	13970	49	21102	55	24107	58	33108	62	34510	65
13507	47	13971	49	21103	55	24108	58	33109	62	34511	65
13508	47	13972	49	21104	55	24109	58	33110	62	34512	65
13509	47	16501	52	21105	55	24201	58	33911	64	34513	65
13510	47	16502	52	21106	55	24202	58	34201	61	34514	65
13511	47	16503	52	21107	55	24203	58	34202	61	34515	65

Product Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
34516	65	34829	68	40124	84	40292	82	42214	86	46206	16
34517	65	34830	68	40181	82	41101	85	42215	86	46301	15
34518	65	34831	68	40182	82	41102	85	42216	86	46302	15
34519	65	34832	68	40183	82	41103	85	42217	86	46303	15
34520	65	34833	68	40184	82	41104	85	42218	86	46304	15
34521	65	34834	68	40185	82	41105	85	42219	86	46305	15
34522	65	34835	68	40186	82	41106	85	42220	86	46306	15
34523	65	34836	68	40187	82	41107	85	42221	86	46307	15
34524	65	34837	68	40188	82	41108	85	42222	86	46308	15
34525	65	34838	68	40201	83	41201	85	42223	86	46309	15
34526	65	34839	68	40202	83	41202	85	42224	86	46310	15
34527	65	34840	68	40203	83	41203	85	42225	86	46311	15
34528	65	34841	68	40204	83	41204	85	43113	14	46312	15
34529	65	34842	68	40205	83	41205	85	43114	14	46321	15
34605	66	34843	68	40206	83	41206	85	43115	14	46322	15
34606	66	34844	68	40207	83	41207	85	43217	14	46323	15
34607	66	34845	68	40208	83	41208	85	43218	14	46324	15
34608	66	34846	68	40209	83	41209	85	43219	14	46325	15
34609	66	34847	68	40210	83	41210	85	43501	14	46326	15
34610	66	34848	68	40211	83	41211	85	43502	14	46327	15
34611	66	34849	68	40212	83	41212	85	43503	14	46328	15
34612	66	34850	68	40213	83	41213	85	43504	14	46401	18
34613	66	34851	68	40214	83	41214	85	43505	14	46402	18
34614	66	34852	68	40215	83	41215	85	43506	14	46403	18
34615	66	34853	68	40216	83	41216	85	43507	14	46404	18
34616	66	34924	68	40217	83	41217	85	43508	14	46405	18
34617	66	34925	68	40218	83	41218	35	43509	14	46406	18
34618	66	34926	68	40219	83	41219	85	43510	14	46407	18
34619	66	34928	68	40220	83	41220	85	43511	14	46408	18
34620	66	34929	68	40221	83	41221	85	43512	14	46409	18
34621	66	34930	68	40222	83	41222	85	43601	14	46410	18
34622	66	34931	68	40223	83	41223	85	43602	14	46411	18
34623	66	34934	68	40233	83	41225	85	43603	14	46412	18
34624	66	34937	68	40235	83	41226	85	43604	14	46413	18
34625	66	34938	68	40236	83	41227	85	43605	14	46414	18
34626	66	34940	68	40237	83	41301	85	43606	14	46415	18
34628	66	40101	83	40241	84	41302	85	43607	14	46421	18
34629	66	40102	83	40242	84	41303	85	43608	14	46422	18
34701	62	40103	83	40243	84	41304	85	43609	14	46471	18
34702	62	40104	83	40244	84	41305	85	43610	14	46472	18
34703	64	40105	83	40245	84	42101	86	43611	14	46473	18
34704	64	40106	83	40246	84	42102	86	43612	14	46474	18
34705	64	40107	83	40247	84	42104	86	43613	14	46475	18
34706	64	40108	83	40248	84	42105	86	43614	14	46476	18
34708	67	40109	83	40249	84	42106	86	43615	14	46477	18
34712	67	40110	83	40250	84	42107	86	43616	14	46478	18
34714	61	40111	83	40251	84	42201	86	43617	14	46479	18
34715	62	40112	83	40252	84	42202	86	43618	14	46480	18
34716	64	40113	83	40281	82	42203	86	43619	14	46481	18
34717	64	40114	83	40282	82	42204	86	46101	16	46482	18
34718	67	40115	83	40283	82	42205	86	46102	16	46601	17
34719	64	40116	83	40284	82	42206	86	46103	16	46602	17
34720	67	40117	84	40285	82	42207	86	46104	16	46603	17
34721	67	40118	84	40286	82	42208	86	46200	16	46604	17
34824	68	40119	84	40287	82	42209	86	46201	16	46605	17
34825	68	40120	84	40288	82	42210	86	46202	16	46606	17
34826	68	40121	84	40289	82	42211	86	46203	16	46607	17
34827	68	40122	84	40290	82	42212	86	46204	16	46608	17
34828	68	40123	84	40291	82	42213	86	46205	16	46609	17

Product Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
46610	17	47203	91	48505	87	61214	136	62107	138	63405	134
46611	17	47204	91	48506	87	61221	136	62108	138	63407	134
46612	17	47205	91	48507	87	61222	136	62109	138	63408	134
46613	17	47206	91	48509	87	61223	136	62110	138	63409	134
46614	17	47207	91	48512	87	61224	136	62111	138	63410	134
46615	17	47208	91	48515	87	61311	136	62112	138	63411	134
46616	17	47221	91	48516	87	61312	136	62113	138	63412	134
46654	16	47222	91	48517	87	61313	136	62114	138	63411	134
46655	16	47223	91	48519	87	61314	136	62115	138	63412	134
46656	16	47224	91	48520	87	61315	136	62116	138	63413	134
46671	17	47225	91	48521	87	61321	137	62117	138	63414	134
46672	17	47226	91	48522	87	61322	137	62118	138	63415	134
46673	17	47305	92	48523	87	61323	137	62119	138	63416	134
46674	17	47308	92	48524	87	61324	137	62120	138	63417	134
46675	17	47309	92	48525	87	61325	137	62202	131	63502	135
46676	17	47310	92	48526	87	61501	132	62203	131	63503	135
46677	17	47312	92	48527	87	61502	132	62204	131	63504	135
46678	17	47313	92	48528	87	61503	132	62205	131	63505	135
46679	17	47314	92	48529	87	61504	132	62207	131	63507	135
46680	17	47317	92	48530	87	61505	132	62208	131	63508	135
46681	17	47319	92	48531	87	61506	132	62209	131	63509	135
46682	17	47321	92	48603	88	61507	132	62210	131	63510	135
46683	17	47322	92	48604	88	61508	132	62211	131	63511	135
46801	19	47324	92	48605	88	61603	133	62212	131	63512	135
46802	19	47325	92	48607	88	61605	133	62213	131	63513	135
46803	19	47403	89	48609	88	61606	133	62214	131	63514	135
46804	19	47501	92	48610	88	61607	133	62215	131	63515	135
46805	19	47502	92	48611	88	61608	133	62216	131	63516	135
46806	19	47503	92	48612	88	61703	134	62217	131	63517	135
46807	19	47504	92	48613	88	61705	134	62302	131	66202	135
46808	19	47505	92	48614	88	61706	134	62303	131	66203	135
46809	19	47506	92	48615	88	61707	134	62304	131	66204	135
46810	19	47507	92	48616	88	61708	134	62305	131	66205	135
46811	19	47508	92	48617	88	62011	137	62307	131	66206	135
46812	19	47509	92	48618	88	62012	137	62308	131	70101A	102
46813	19	47601	93	48619	88	62013	137	62309	131	70102A	102
46814	19	47602	93	48620	88	62014	137	62310	131	70131	104
46815	19	47603	93	48621	88	62015	137	62311	131	70132	104
46816	19	47604	93	48622	88	62016	137	62312	131	70201A	102
46817	19	47605	93	49201	95	62017	137	62313	131	70202A	102
46901	19	47606	93	49202	95	62018	137	62314	131	70203A	102
46902	19	47701	93	49203	95	62019	137	62315	131	70232	104
46903	19	47702	93	49204	95	62020	137	62316	131	70233	104
46904	19	47703	93	49205	95	62021	137	62317	131	70301A	103
46905	19	47704	93	49208	95	62022	137	62401	138	70302A	103
46906	19	47705	93	49210	95	62023	137	62402	138	70303A	103
46907	19	47706	93	61002	133	62024	137	62403	138	70331	104
46908	19	47707	93	61003	133	62025	137	62404	138	70332	104
46909	19	47710	93	61101	132	62026	137	62405	138	70333	104
46910	19	47712	93	61102	132	62027	137	62406	138	70411	103
46911	19	48101	178	61103	132	62028	137	62407	138	70412	103
46912	19	48200	94	61104	132	62029	137	62408	138	70413	103
46913	19	48201	94	61105	132	62030	137	62501	185	70414	103
47101	90	48202	94	61106	132	62101	138	62502	185	70511	103
47102	90	48203	94	61107	132	62102	138	62503	185	70512	103
47103	90	48204	94	61108	132	62103	138	62601	178	70611A	105
47104	90	48301	94	61211	136	62104	138	63402	134	70612A	105
47201	91	48302	94	61212	136	62105	138	63403	134	70613A	105
47202	91	48303	94	61213	136	62106	138	63404	134	70614A	106

Product Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
70615A	106	80105A	144	84328	147	92106	170	93507	119	97502	182
70616A	106	80106A	144	84501	147	92203	179	93508	119	97511	182
70641	113	80107A	144	84502	147	92205	179	93509	119	97521	182
70642	113	80108A	144	84503	147	92207	180	93601	187	97701	182
70643	113	80110A	144	84504	147	92209	180	95101	151	97702	182
70711	100	80112A	144	84505	147	92302	171	95102	151	97801	183
70721	100	80114A	144	84506	147	92303	171	95103A	151	97802	183
70812	95	80116A	144	84507	147	92304	171	95104A	151	97803	183
70813	95	80304A	144	84508	147	92306	171	95104A-70	163	97804	183
70814	95	80305A	144	84509	147	92307	171	95104A-70-6	163	97805	183
70815	95	80306A	144	84510	147	92312	171	95105	151	97806	183
70816	95	80307A	144	84511	147	92313	171	95106	152	97807	183
70817	95	80308A	144	84512	147	92314	171	95107	149	97808	183
70818	95	80310A	144	84513	147	92322	172	95108A	152	97809	183
70819	95	80312A	144	90623	178	92323	172	95109	149	97810	183
70841	186	80314A	144	90624	178	92324	172	95111	152	97811	183
70842	186	80316A	144	90626	178	92401	172	95113	152	97812	183
70843	186	81104A	145	90628	178	92402	172	95118	153	97831	182
70845	186	81105A	145	90633	179	92403	172	95119	153	97881	183
71101	107	81106A	145	90634	179	92404	172	95161	154	97882	183
71102	107	81107A	145	90636	179	92405	172	95162	154	97899	184
71103	107	81108A	145	90638	179	92406	172	95163	154	SA-SKRACK	187
71202	107	81110A	145	90651	179	92501	172	95164	154	SA-STAND	187
71203	107	81111A	145	90661	179	92502	172	95166	154		
71301	107	81112A	145	90662	179	92503	172	95201	180		
71302	107	81113A	145	90751	168	92504	172	95207	150		
71401	108	81114A	145	90753	168	92505	172	95207S	164		
71501	108	81116A	145	90762	168	92521	173	95208	150		
71601	108	81304A	145	90771	168	92522	173	95208S	165		
71701	109	81305A	145	90772	168	92523	173	96211	96		
72001	109	81306A	145	90774	168	92524	173	96212	96		
72002	109	81307A	145	90775	168	92525	173	96311	96		
72004	110	81308A	145	90776	168	92531	173	96312	96		
72005	110	81310A	145	90782	168	92532	173	96313	96		
72011	110	81312A	145	90783	168	92533	173	96411	96		
72012	110	81314A	145	90784	169	92534	173	96412	96		
72013	110	81316A	145	90785	169	92535	173	96513	97		
72014	110	83105	146	90786	169	92901	173	96515	97		
72021	111	83106	146	91101	114	92902	173	97105	180		
72022	111	83107	146	91102	114	92903	173	97211	180		
72023	111	83108	146	91104	114	92904	173	97212	180		
72024	111	83110	146	91105	115	93101	116	97213	180		
72031	111	83112	146	91106	115	93102	116	97301	120		
72032	111	83113	146	91107	115	93103	117	97302	120		
72033	111	83114	146	91108	117	93104	117	97303	120		
72034	111	83116	146	91109	116	93302	118	97304	120		
72041	111	83305	146	91201	117	93303	118	97305	121		
72042	111	83306	146	91202	117	93304	118	97311	121		
72043	111	83307	146	91212	118	93305	118	97312	121		
72044	111	83308	146	91213	118	93306	118	97401	181		
72203A	112	83310	146	91321	186	93404	186	97403	181		
72302A	112	83312	146	91322	186	93405	186	97404	181		
72303A	112	83313	146	91323	186	93407	187	97405	181		
72402A	112	83314	146	92101	169	93501	119	97406	181		
72501	113	83316	146	96412	84	93502	119	97407	181		
72502	113	84318	147	92102	169	93503	119	97422	181		
72503	113	84320	147	92103	170	93504	119	97426	181		
72503A	113	84323	147	92104	170	93505	119	97441	181		
80104A	144	84325	147	92105	170	93506	119	97501	182		

Product Description Index

Description	Page	Description	Page
1" Drive 6 Point Metric Deep Impact Sockets	68	10 Pc. Metric Double Open End Wrench Set	79
1" Drive 6 Point Metric Impact Sockets	68	10 Pc. Metric Double Open End Wrench Set	80
1/2" Dr. Oil Filter Strap Wrench	181	10 Pc. Metric Offset Box Wrench Tray Set	157
1/2" Drive 12 Point Metric Standard Length Sockets	48	10 Pc. Metric Offset Double Box End Wrench Set	78
1/2" Drive 12 Point SAE Standard Length Sockets	47	10 Pc. Metric Open End and Combination Wrench Tray Set	156
1/2" Drive 3-Way Adapter	51	10 Pc. Metric XL X-Beam® Combination Wrench Set	71
1/2" Drive 6 Point Metric Deep Impact Sockets	63	10 Pc. Metric XL X-Beam® Ratcheting Combination Wrench Set	12
1/2" Drive 6 Point Metric Deep Sockets	47	103 Pc. General Tool Set	165
1/2" Drive 6 Point Metric Impact Sockets	63	11 Pc. Driver's Tool Set	185
1/2" Drive 6 Point Metric Standard Length Sockets	46	11 Pc. Metric Combination Wrench Set	72
1/2" Drive 6 Point SAE Deep Sockets	45	11 Pc. Metric Combination Wrench Set	74
1/2" Drive 6 Point SAE Impact Sockets	62	11 Pc. Metric Deep Offset Double Box End Wrench Set	77
1/2" Drive 6 Point SAE Standard Length Sockets	45	11 Pc. Metric Offset Double Box End Wrench Set	78
1/2" Drive Adapters	50	11 Pc. SAE Combination Wrench Set	72
1/2" Drive Bits Adapter	51	11 Pc. SAE Combination Wrench Set	74
1/2" Drive External Torx® Sockets	48	12 Pc. 1/2" Drive 6 Point Metric Impact Socket Set	61
1/2" Drive Flex Handle / Breaker Bar	50	12 Pc. 1/2" Drive 6 Point Metric Pass-thru® Socket Set	21
1/2" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet	49	12 Pc. 1/2" Drive 6 Point SAE Impact Socket Set	61
1/2" Drive Impact Drive Adapters	64	12 Pc. 1/2" Drive Bit Socket Set	30
1/2" Drive Impact Extensions	64	12 Pc. Metric Combination Wrench Set	74
1/2" Drive Impact Universal Joint	64	12 Pc. Metric Double Ratcheting Wrench Set	11
1/2" Drive Locking Extensions	50	12 Pc. SAE Extra Long Ball Point Hex Key Set	140
1/2" Drive Long Torx® Bit Sockets	59	12 Pc. SAE Extra Long Hex Key Set	140
1/2" Drive Long Triple Square Bit Sockets	59	12 Pc. SAE Long Ball Point Hex Key Set	141
1/2" Drive Metric Hex Bit Sockets	58	12 Pc. SAE Long Hex Key Set	141
1/2" Drive Metric Long Hex Bit Sockets	59	120 Pc. 1/4", 3/8" and 1/2" Drive 6 Point Metric / SAE Socket Wrench Set	33
1/2" Drive Metric Spark Plug Sockets	51	13 Pc. 1/2" Drive 6 Point Metric Socket Set	28
1/2" Drive Offset Handle	51	13 Pc. 1/4" Drive 6 Point Metric Socket Set	24
1/2" Drive Quick-Release Ratchet	49	13 Pc. Combination Screwdriver Tray Set	158
1/2" Drive Quick-Release Round Head Ratchet	49	13 Pc. Metric Double Open End Wrench Set	80
1/2" Drive Quick-Release Stubby Teardrop Ratchet	49	13 Pc. Punch and Chisel Set	167
1/2" Drive SAE Hex Bit Sockets	58	14 Pc. 3/8" Drive 6 Point Metric Socket Set	25
1/2" Drive SAE Spark Plug Sockets	51	14 Pc. Feeler Gauge Set 0.05-1.00mm	175
1/2" Drive Speeder Handle	51	14 Pc. Metric Combination Wrench Set	75
1/2" Drive T-handle	50	14 Pc. Metric Combination Wrench Set	75
1/2" Drive Torx® Bit Sockets	58	14 Pc. Metric Combination Wrench Set	75
1/2" Drive Triple Square Bit Sockets	59	14 Pc. SAE Combination Wrench Set	75
1/2" Drive Universal Joint	50	14 Pc. SAE Double Ratcheting Combination Wrench Set	162
1/2" Drive Wobble Extensions	49	14" Metal Tool Box	151
1/4" Drive 6 Point Metric Deep Sockets	36	15 Pc. 3/4" Drive 12 Point Metric Socket Set	34
1/4" Drive 6 Point Metric Standard Length Sockets	36	15 Pc. Basic Tool Set	184
1/4" Drive 6 Point SAE Deep Sockets	35	15 Pc. Precision Combination Screwdriver Set	128
1/4" Drive 6 Point SAE Standard Length Sockets	35	15" Plastic Tool Box	154
1/4" Drive Adapter	38	150 Pc. 1/4", 3/8" and 1/2" Drive 6 and 12 Point Metric / SAE Socket Wrench Set	33
1/4" Drive Bits Adapter	38	150mm Mini Hacksaw	186
1/4" Drive Flex Extension	39	16 Pc. 1/2" Drive 6 Point Metric Socket Set	34
1/4" Drive Flex Handle / Breaker Bar	37	16 Pc. 3/8" Drive 6 Point SAE Socket Set	24
1/4" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet	37	16 Pc. Feeler Gauge Set 0.05-1.00mm	175
1/4" Drive Impact Drive Adapter	61	16 Pc. Feeler Gauge Set 0.05-1.00mm	175
1/4" Drive Metric Hex Bit Sockets	55	16 Pc. Motorcycle Tool Set	184
1/4" Drive Phillips Bit Sockets	56	16 Pc. SAE Combination Wrench Set	76
1/4" Drive Pozidriv Bit Sockets	56	16" Aluminum Case	153
1/4" Drive Quick-Release Ratchet	37	16" Plastic Tool Box	154
1/4" Drive Quick-Release Round Head Ratchet	37	17 Pc. 1/2" Drive 12 Point Metric Socket Set	26
1/4" Drive Slotted Bit Sockets	56	17 Pc. Metric Offset Combination Wrench Set	73
1/4" Drive Spinner Handle	38	17" 5 Tray Cantilever Tool Box	151
1/4" Drive T-handle	38	17" Plastic Cantilever Tool Box	154
1/4" Drive Torx® Bit Sockets	55	171 Pc. General Tool Set	164
1/4" Drive Universal Joint	38	18 Pc. 1/2" Drive 12 Point Metric Socket Set	27
1/4" Drive Wobble Extensions	39	18 Pc. 1/2" Drive 12 Point Metric Socket Set	28
1/4" Hex Shank Bit Driver	133	18 Pc. 1/4" and 1/2" Drive Bit Socket Set	30
1/4" Hex Shank Pistol Grip Ratcheting Bit Driver	133		
10 Pc. Acetate Combination Screwdriver Set	125		

Product Description Index

Description	Page	Description	Page
18 Pc. 1/4" and 1/2" Drive Metric Hex Bit Socket Set	31	3/8" Drive 6 Point Metric Deep Sockets	41
18 Pc. 1/4" and 1/2" Drive Torx® Bit Socket Set	31	3/8" Drive 6 Point Metric Impact Sockets	61
18" Plastic Tool Box	154	3/8" Drive 6 Point Metric Standard Length Sockets	40
19 Pc. Metric Double Ratcheting Combination Wrench Tray Set	162	3/8" Drive 6 Point SAE Deep Sockets	40
2 Pc. PVC Tube Cutter Blades	121	3/8" Drive 6 Point SAE Standard Length Sockets	39
2 Pc. PVC Tube Cutter Blades	121	3/8" Drive Adapters	43
20 Pc. 1/2" Drive 6 and 12 Point SAE Socket Set	27	3/8" Drive Bits Adapter	44
20 Pc. 1/2" Drive 6 Point Metric Socket Set	25	3/8" Drive External Torx® Sockets	41
21 Pc. 1/2" Drive 6 Point SAE Socket Tray Set	162	3/8" Drive Flex Extension	44
21 Pc. 3/8" Drive 6 Point Metric/SAE Pass-thru® Socket Set	21	3/8" Drive Flex Handle / Breaker Bar	43
21" Plastic Tool Box	154	3/8" Drive Heavy Duty Offset Quick-Release Teardrop Ratchet	42
212 Pc. Tool Storage and Tray Set	160	3/8" Drive Impact Drive Adapter	62
22 Pc. 1/2" Drive 12 Point SAE Socket Set	27	3/8" Drive Impact Extensions	62
23 Pc. Metric Combination Wrench Set	76	3/8" Drive Impact Universal Joint	62
24 Pc. 1/2" Drive 12 Point Metric Socket Set	26	3/8" Drive Locking Extensions	43
24 Pc. 1/2" Drive 12 Point Metric Socket Set	28	3/8" Drive Metric Hex Bit Sockets	57
24 Pc. 1/2" Drive 6 Point Metric Socket Set	26	3/8" Drive Metric Spark Plug Sockets	44
24 Pc. Ratcheting T-handle Screwdriver Set	129	3/8" Drive Offset Flex Quick-Release Teardrop Ratchet	43
24" Aluminum Case	153	3/8" Drive Phillips Bit Sockets	57
246 Pc. Tool Storage and Tray Set	160	3/8" Drive Pozidriv Bit Sockets	57
25 Pc. 1/2" Drive 6 and 12 Point Metric Socket Wrench Set	29	3/8" Drive Quick-Release Ratchet	42
25 Pc. 1/2" Drive 6 Point Metric Socket Wrench Set	29	3/8" Drive Quick-Release Round Head Ratchet	42
25 Pc. 1/2" Drive 6 Point SAE Socket Tray Set	161	3/8" Drive Quick-Release Stubby Teardrop Ratchet	42
25 Pc. 1/4" Drive 12 Point Metric Socket Set	23	3/8" Drive SAE Spark Plug Sockets	44
25 Pc. 1/4" Drive 6 Point Metric Socket Set	23	3/8" Drive Slotted Bit Sockets	57
25 Pc. 1/4" Drive 6 Point Metric/SAE Pass-thru® Socket Set	21	3/8" Drive T-handle	43
25 Pc. 1/4" Drive 6 Point SAE Socket Set	23	3/8" Drive Torx® Bit Sockets	56
25 Pc. Ratcheting Stubby Screwdriver Set	129	3/8" Drive Torx® Tamper Proof Bit Sockets	58
26 Pc. 1/2" Drive 6 Point Metric Socket Wrench Set	28	3/8" Drive Universal Joint	43
26 Pc. 1/2" Drive 6 Point Metric Socket Wrench Set	29	3/8" Drive Wobble Extensions	42
26 Pc. 1/2" Drive 6 Point Metric Socket Tool Set	29	30 Pc. 1/4" and 3/8" Drive 6 Point Metric Pass-thru® Socket Set	21
26 Pc. 1/2" Drive 6 Point Metric Socket Tray Set	159	30 Pc. Metric Combination Wrench and Hex Key Tray Set	157
26 Pc. Metric Combination Wrench Set	76	30" Mini Roller Cabinet	152
26 Pc. Ratcheting Screwdriver Set	129	30" Utility Cart	152
26" 3 Drawer Chest	151	300mm Aluminum Hacksaw	186
26" 6 Drawer Chest	152	300mm Hacksaw with Carbon Steel Blade	187
27 Pc. 1/2" Drive 6 Point Metric Socket Tray Set	156	31" 7 Drawer Roller Cabinet	149
27 Pc. SAE Combination Wrench and Hex Key Tray Set	161	32 Pc. Feeler Gauge Set 0.02-1.00mm	176
28 Pc. 1/2" Drive 12 Point Metric Socket Set	27	33 Pc. 3/8" Drive 6 Point Metric Socket Tray Set	156
29 Pc. 3/8" Drive 6 Point SAE Socket Tray Set	161	33" Utility Cart	152
29" 7 Drawer Roller Cabinet	150	35 Pc. 1/4" and 3/8" Drive E-torx Socket and Wrench Set	30
2-Jaw Gear Pullers	178	36 Pc. 3/8" and 1/2" Drive 6 Point Metric Impact Socket Tray Set	159
3 Pc. Chisel Set	167	36" 4 Drawer Utility Cart	153
3 Pc. L-Shaped Wheel Wrench Set	34	38 Pc. 1/4" Drive 6 Point Metric Socket Set	23
3 Pc. Metric Double Flex Head Socket Set	81	38" 2 Drawer Utility Cart	153
3 Pc. Metric Flare Nut Wrench Set	81	3-Jaw Gear Pullers	179
3 Pc. Metric Drive Adapter Set	13	4 Pc. E-Torx® Box Wrench Set	80
3 Pc. SAE Flare Nut Wrench Set	81	4 Pc. Pliers Tray Set	158
3/4" Drive 12 Point Metric Standard Length Sockets	53	4 Pc. Snap Ring Pliers Tray Set	158
3/4" Drive 12 Point SAE Standard Length Sockets	52	4 Pc. Striking Tool Tray Set	162
3/4" Drive 6 Point Metric Deep Impact Sockets	66	45 Degree Double-X Pliers	100
3/4" Drive 6 Point Metric Impact Sockets	65	45" 8 Drawer Roller Cabinet	149
3/4" Drive Adapter	55	46 Pc. 1/2" Drive 6 Point Metric/SAE Socket Set	25
3/4" Drive Flex Handle / Breaker Bar	54	47" 5 Drawer Roller Cabinet	150
3/4" Drive Impact Drive Adapters	67	48 Pc. Automotive Tool Set	176
3/4" Drive Impact Extensions	67	5 Pc. 3/8" Drive Spark Plug Socket Set	24
3/4" Drive Impact Universal Joint	67	5 Pc. Adjustable Wrench and Pliers Tray Set	157
3/4" Drive Offset Handle	55	5 Pc. Coarse Threaded Extractor Set	177
3/4" Drive Quick-Release Teardrop Ratchet	54	5 Pc. Combination Snap Ring Pliers Set	102
3/4" Drive Standard Extensions	54	5 Pc. Fine Threaded Extractor Set	177
3/4" Drive T-handle	54	5 Pc. Hook and Pick Set	178
3/4" Drive Universal Joint	54	5 Pc. Metric Double Ratcheting Wrench Set	10
3/8" Drive 3-Way Adapter	44	5 Pc. Metric Flex Head Combination Ratcheting Wrench Set	13

Product Description Index

Description	Page	Description	Page
5 Pc. Metric Reversible Combination Ratcheting Wrench Set	12	9 Pc. Metric Combination Wrench Set	72
5 Pc. Punch Set	167	9 Pc. Metric Extra Long Ball Point Hex Key and Torque Handle Set	142
53 Pc. Telecom Tool Set	185	9 Pc. Metric Extra Long Ball Point Hex Key Set	140
56 Pc. Automotive Tool Set	177	9 Pc. Metric Extra Long Hex Key Set	140
58 Pc. 1/2" Drive 6 Point Metric Socket Set	26	9 Pc. Metric Long Ball Point Hex Key Set	141
58 Pc. 3/8" Drive 6 Point Metric Socket Set	24	9 Pc. Metric Long Hex Key Set	141
59 Pc. 1/4" Drive 6 Point SAE Socket Tray Set	161	9 Pc. Precision Combination Screwdriver Set	128
6 Pc. Acetate Combination Screwdriver Set	125	9 Pc. SAE Combination Wrench Set	72
6 Pc. Metric Combination Wrench Set	71	9 Pc. SAE Hex Key Fold-up Set	143
6 Pc. Metric Double Box Ratcheting Wrench Set	12	9 Pc. Torx® Tamper Proof Key Set	142
6 Pc. Metric Double Open End Wrench Set	78	98 Pc. Tool Storage and Tray Set	159
6 Pc. Metric Offset Double Box End Wrench Set	77	ABS Case Tapes, Metric/SAE Scale	186
6 Pc. Metric Open End and Flex Socket Set	81	Acetate Nutdrivers	132
6 Pc. Metric Reversible Combination Ratcheting Wrench Set	13	Acetate Screwdrivers - Phillips	131
6 Pc. Pin Punch Set	167	Acetate Screwdrivers - Slotted	131
6 Pc. Precision Combination Screwdriver Set	127	Acetate Screwdrivers - Torx®	132
6 Pc. Precision Slotted Screwdriver Set	127	Adjustable Oil Filer Wrench Pliers	181
6 Pc. Precision Torx® Screwdriver Set	127	Adjustable Wrenches	91
6 Pc. SAE Combination Wrench Set	71	Anvil Dolly	179
6 Pc. Cushion Grip Combination Screwdriver Set	126	A-series Mechanical Torque Wrench	96
60 Pc. 1/4" Drive 6 Point Socket and Ratcheting Bit Driver Set	130	Automatic Wire Stripper Type A	118
65 Pc. 1/4" and 3/8" Drive 6 Point Metric/SAE Socket Set	31	Automatic Wire Stripper Type B	118
66 Pc. 1/4" Drive 6 Point Metric Socket Tray Set	156	Automotive Circuit Tester 6V/12V/24V	185
6Pc. Automotive Body Repair Tool Set	175	Aviation Tin Snips, Left	116
7 Pc. Cushion Grip Combination Insulated Screwdriver Set	125	Aviation Tin Snips, Right	116
7 Pc. Metric Combination Wrench Set	73	Aviation Tin Snips, Straight	117
7 Pc. Metric Combination Wrench Set	73	Bi-metal Hacksaw Blade	187
7 Pc. Metric Combination Wrench Set	73	Bolt Cutter	119
7 Pc. Metric Combination Wrench Set	76	C-Clamps Locking Pliers	108
7 Pc. Metric Double Open End Wrench Set	78	Center Punches	168
7 Pc. Metric Double Open End Wrench Set	79	Chain Clamp Locking Pliers	109
7 Pc. Metric Double Ratcheting Wrench Set	10	Circuit Tester	185
7 Pc. Metric Offset Double Box End Wrench Set	77	Cold Chisels	168, 169
7 Pc. Metric Stubby Combination Wrench Set	80	Crimping Pliers for Coaxial Terminals	114
7 Pc. Metric XL Locking Flex Head Combination Ratcheting Wrench Set	13	Crimping Pliers for D-SUB Terminals	114
7 Pc. Precision Combination Screwdriver Set	128	Crimping Pliers for European Cable Terminals	114
7 Pc. Precision Torx® Screwdriver Set	128	Crimping Pliers for Insulated Terminals	115
7 Pc. SAE Double Ratcheting Wrench Set	10	Crimping Pliers for Non-insulated Terminals	115
7 Pc. VDE Combination Insulated Screwdriver Set	125	Crimping Pliers for Non-insulated Terminals	115
70 Pc. 12 Point Metric Cantilever Tool Chest and Tray Set	163	Crimping Pliers for Telecom Connector	116
70 Pc. 6 Point Metric Cantilever Tool Chest and Tray Set	163	Cross Wheel Wrench	178
76 Pc. 1/4" and 1/2" Drive 6 Point Metric Socket Wrench Set	32	Curved Jaw Locking Pliers	107
8 Pc. Acetate Combination Screwdriver Set	126	Curved Pein and Finishing Hammer	170
8 Pc. Acetate Torx® Screwdriver Set	126	Cushion Grip Go-through Screwdrivers - Phillips	134
8 Pc. End Cap Oil Filter Wrench	176	Cushion Grip Go-through Screwdrivers - Slotted	133
8 Pc. File Tray Set	158	Cushion Grip Reversible Screwdriver	135
8 Pc. Metric Combination Wrench Set	74	Cushion Grip Screwdrivers - Phillips	135
8 Pc. Metric Combination Wrench Tray Set	157	Cushion Grip Screwdrivers - Slotted	134
8 Pc. Metric Double Open End Wrench Set	79	Cushion Grip VDE Insulated Screwdrivers - Phillips	136
8 Pc. Metric Double Open End Wrench Set	79	Cushion Grip VDE Insulated Screwdrivers - Slotted	137
8 Pc. Metric Double Ratcheting Wrench Set	11	Dead Blow Hammers	173
8 Pc. Metric Hex Key Fold-up Set	142	Diagonal Pliers	102
8 Pc. Metric Offset Double Box End Wrench Set	77	Digital Circuit Tester	178
8 Pc. Metric XL X-Beam® Combination Wrench Set	71	Dipping Handle Adjustable Wrench	91
8 Pc. Metric XL X-Beam® Ratcheting Combination Wrench Set	11	Drop Forged Coil Spring Compressor	182
8 Pc. P-series Combination Screwdriver Set	127	Electrical Wire Stripper and Crimper	182
8 Pc. P-series Torx® Screwdriver Set	126	Electronic Torque Wrench	97
8 Pc. Torx® Key Fold-up Set	143	End Cap Oil Filter Wrenches	181
8 Pc. Torx® Tamper Proof Key Set	142	External Snap Ring Pliers, Curved	109
80 Pc. Ratcheting Bit Driver Set	130	External Snap Ring Pliers, Straight	109
86 Pc. 1/4" and 1/2" Drive 6 Point Metric Socket Set	32	Extreme Leverage Diagonal Pliers	112
9 Pc. 3/8" Drive 6 Point Metric Motorcycle Tool Set	25	Extreme Leverage End Nipper Pliers	113

Product Description Index

Description	Page	Description	Page
Extreme Leverage Linesman Pliers	112	Mini Flat Nose Pliers	106
Extreme Leverage Long Nose Pliers	112	Mini Linesman Pliers	105
Fiberglass Ball Pein Hammers	171	Mini Long Nose Pliers	105
Fiberglass Claw Hammers	171	Mini Tubing Cutter	121
Flexible Whip Hose	180	Outer Tie Rod Remover	179
German Style External Snap Ring Pliers, Curved	111	Pick and Finishing Hammer	170
German Style External Snap Ring Pliers, Straight	110	Pin Punches	168
German Style Internal Snap Ring Pliers, Curved	111	Piston Ring Compressor	182
German Style Internal Snap Ring Pliers, Straight	111	Plastic Flush Cutting Pliers	113
Grease Gun Coupler	180	Pry Bumping Spoon	180
Groove Joint Pliers	103	P-series Screwdrivers - Phillips	138
G-series VDE Insulated Screwdrivers - Phillips	136	P-series Screwdrivers - Slotted	137
G-series VDE Insulated Screwdrivers - Slotted	136	P-series Screwdrivers - Torx®	138
Hard Face Hammer Tip	173	PVC Tubing Cutter	120
Heavy Duty Pipe Wrench	95	Ratcheting Adjustable Wrench	89
Heavy Duty Speed Service Jack 2 Ton	183	Rigid Scraper	180
Heavy Duty Speed Service Jack 3 Ton	183	Rotating Handle Hydraulic Floor Jack	183
Heavy Shrinking Hammer	169	SAE Combination Wrenches	83
Hickory Ball Pein Hammers	171	SAE Double Box Ratcheting Wrenches	16
Hickory Claw Hammers	172	SAE Double Open End Wrenches	85
Hickory Engineers Hammers	172	SAE Double Ratcheting Wrenches	14
Hickory Soft Face Hammers	172	SAE Flare Nut Wrenches	94
Hydraulic Bottle Jack	183	SAE Flex Head Combination Ratcheting Wrenches	18
Internal Snap Ring Pliers, Curved	110	SAE Jumbo Combination Wrenches in Matte Finished	84
Internal Snap Ring Pliers, Straight	110	SAE Offset Double Box End Wrenches	86
Light Shrinking Hammer	170	SAE Reversible Combination Ratcheting Wrenches	17
Linesman Pliers	103	SAE XL Locking Flex Head Combination Ratcheting Wrenches	19
Long Nose Locking Pliers	107	SAE XL X-Beam® Combination Wrenches	82
Long Nose Pliers	102	SAE XL X-Beam® Ratcheting Combination Wrenches	15
Long Ram Jack-Portable Hydraulic Equipment	184	SATA Display Rack	187
Magnetic Pickup Tool	37	Scissor Jack	182
Mechanics Bench Vise	186	Self Adjusting Cutter Stripper	117
Metal Sheet Clamp Locking Pliers	108	Slip Joint Pliers	103
Metal Tool Box	151	Socket Dispenser	187
Metric Ball Point T-Handles	146	Soft Face Hammer Tip	173
Metric Black Oxide Hex Keys	147	Standard Bumping Hammer	169
Metric Box End Slugging Wrenches	87	Straight Double-X Pliers	100
Metric Combination Wrenches	83	Straight Jaw Locking Pliers	107
Metric Jumbo Combination Wrenches in Matte Finished	84	Straight Pattern Tinner's Snips	118
Metric Construction Ratcheting Wrenches	92	Straight Pein and Finishing Hammer	170
Metric Double Box Ratcheting Wrenches	16	T-Handle 6 Point Socket	93
Metric Double Flex Head Socket	92	Toe Dolly	180
Metric Double Open End Wrenches	85	Torx® Tamper Proof Keys	147
Metric Double Ratcheting Wrenches	14	Tubing Cutter	120
Metric Extra Long Ball Point Hex Keys	144	Universal 3-Jaw Oil Filter Wrench	181
Metric Extra Long Hex Keys	144	Universal Ball Joint Separator	179
Metric Flare Nut Wrenches	94	Valve Seal Removal Pliers	182
Metric Flex Head Ratcheting Combination Wrenches	18	VDE Insulated Adjustable Wrench	90
Metric Long Ball Point Hex Keys	145	VDE Insulated Diagonal Pliers	104
Metric Long Hex Keys	145	VDE Insulated Linesman Pliers	104
Metric Offset Double Box End Wrenches	86	VDE Insulated Long Nose Pliers	104
Metric Open End and Flex Socket	93	Wedge Dolly	179
Metric Open End Slugging Wrenches	88	Welding Clamp Locking Pliers	108
Metric Ratcheting Wrench Socket Adapters w/ Quick Release	16	Wire and Cable Cutting Pliers	113
Metric Reversible Ratcheting Combination Wrenches	17	Wire Stripper with Cutter	117
Metric Stubby Combination Wrenches	95	Wood Handle Putty Scraper	180
Metric T-Handles	146		
Metric XL Locking Flex Head Ratcheting Combination Wrenches	19		
Metric XL X-Beam® Combination Wrenches	82		
Metric XL X-Beam® Ratcheting Combination Wrenches	15		
Mini Bent Nose Pliers	105		
Mini Diagonal Pliers	106		
Mini End Cutting Pliers	106		

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.



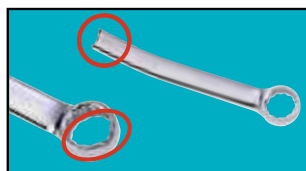
The obvious slippage on socket end or crack on socket wall indicates that this impact tools has been used on this socket. When you are working with impact tools, please choose  **SATA** impact sockets with black coat.



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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Authorized Distributor:



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