



Lifetime Warranty



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



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- Tool Storage
- Tool Storage - Tray Set



Punch & Hammer.....166

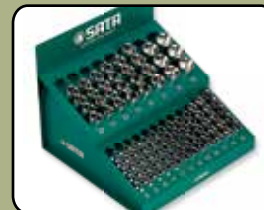
- Punch
- Ball Pein
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- Display Shelf
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Ratcheting Wrench

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

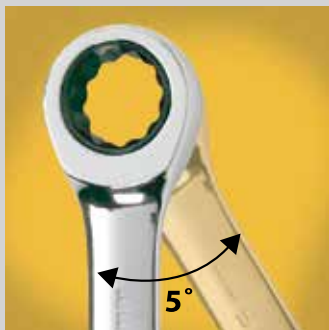
- Ratcheting box end needs as little as 5° to move fastener VS. 30° for standard box end wrenches

S.A.E.

Metric



- Ratcheting function at both Box End and Open End



PRODUCTIVITY

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



ACCESS

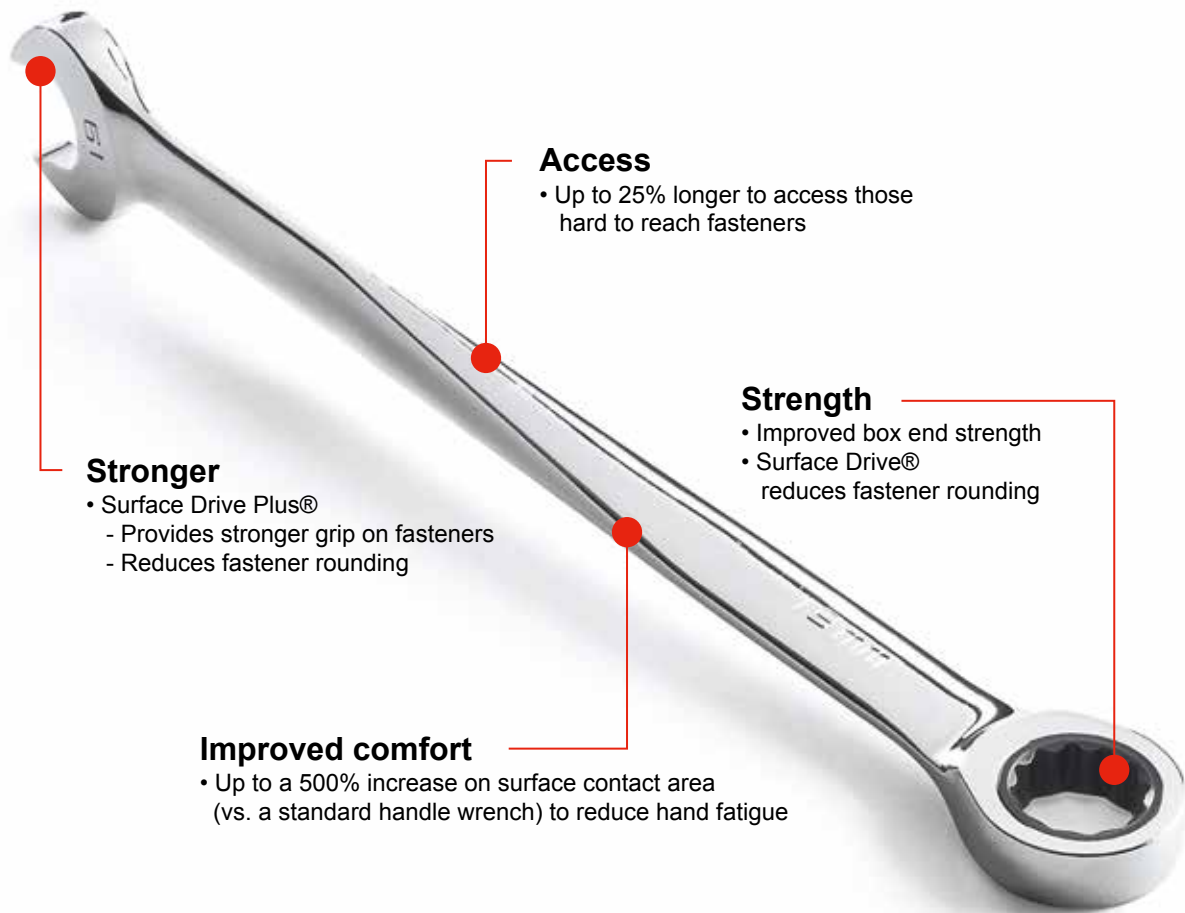
Sleek head design enables access to tight spots where a ratchet will not fit.



STRENGTH

Surface Drive® provides a stronger grip on fasteners.

Ratcheting Wrench - XL X-Beam®



ACCESS

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



DESIGN

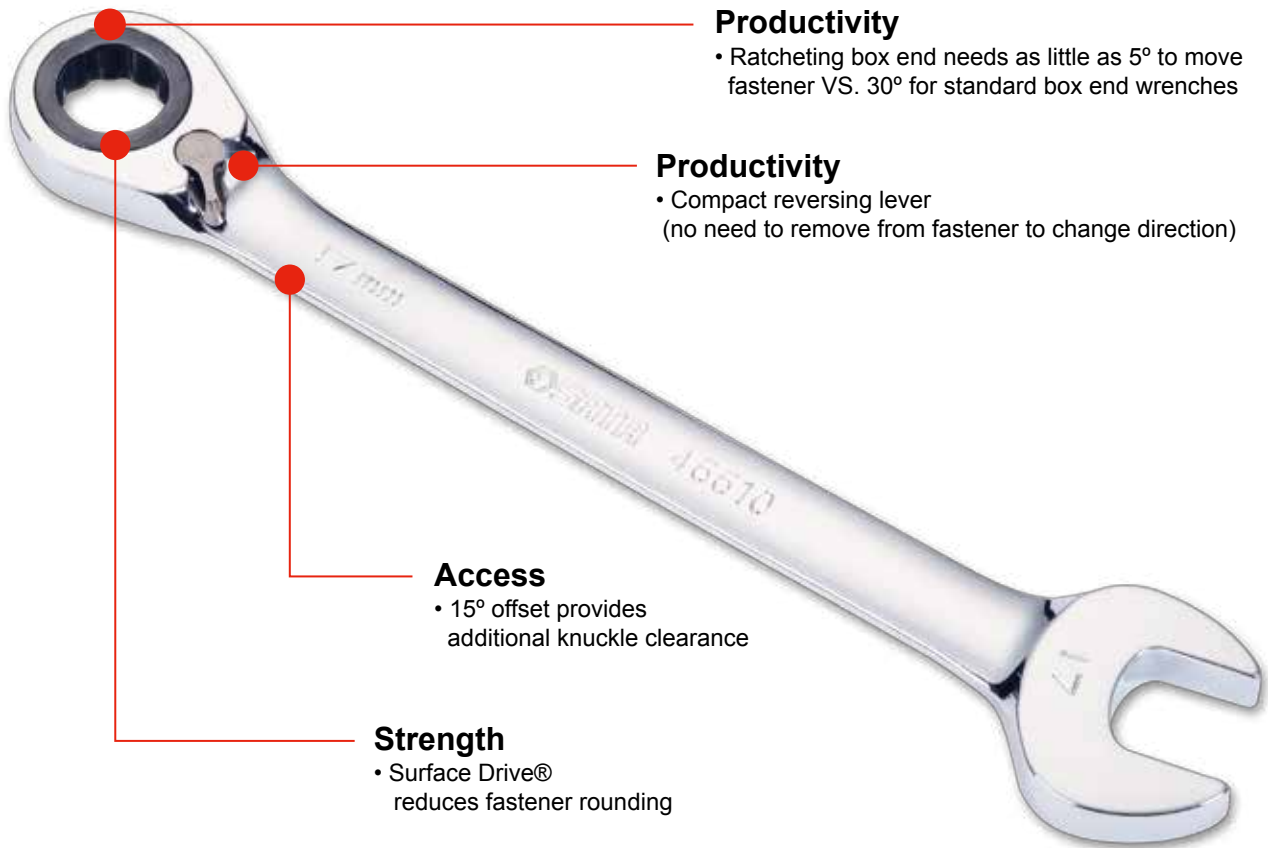
Forges at a 90-degree angle from the other end, and the tapered handle is thicker on both sides than a standard wrench.



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

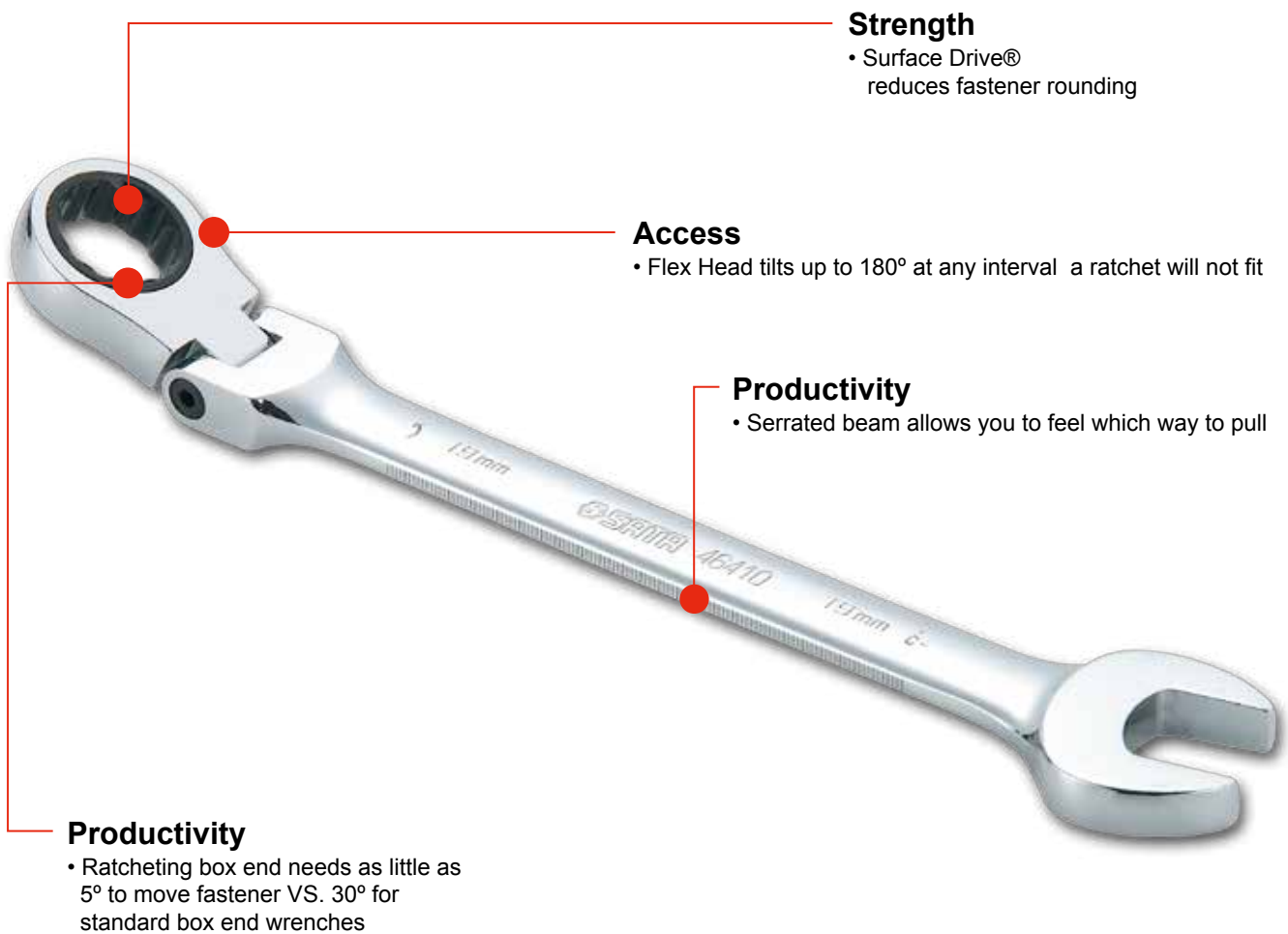
15° offset allows for safe operation above the work surface, providing additional knuckle clearance.



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

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)

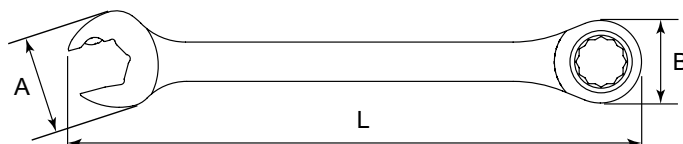
Metric Double Ratcheting Wrenches

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

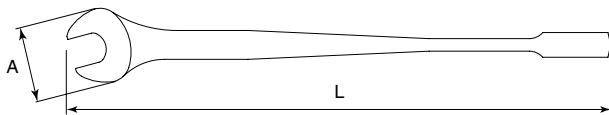


SAE XL X-Beam® Ratcheting Combination Wrenches

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

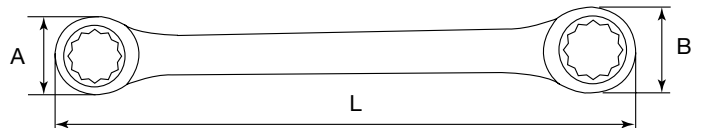
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Metric Double Box Ratcheting Wrenches

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

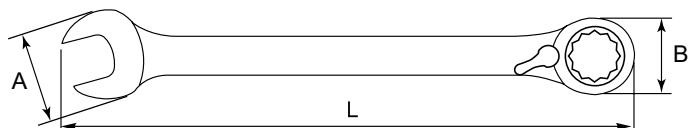
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Metric Reversible Ratcheting Combination Wrenches

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

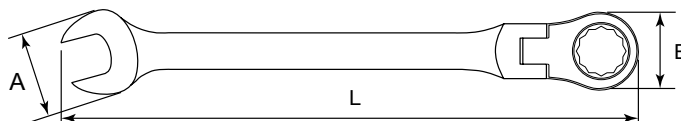
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Metric Flex Head Ratcheting Combination Wrenches

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

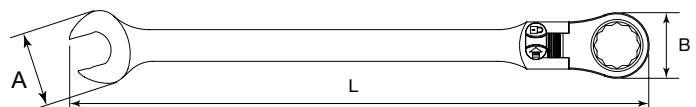
ASME B107.100-2010 (B107.66)

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

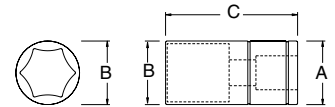
1/4" Drive 6 Point SAE Standard Length Sockets

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

ANSI B107.1

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

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



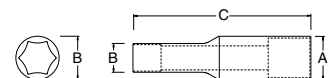
1/4" Drive 6 Point SAE Deep Sockets

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

ANSI B107.1

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

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Socket & Drive Tool - Open Stock

1/4" Drive 6 Point Metric Standard Length Sockets

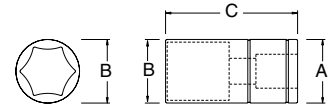
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11301	3.5 mm	11.8 mm	6.1 mm	24.5 mm	12	384	7.1 kg
11302	4 mm	11.8 mm	6.7 mm	24.5 mm	12	384	7.1 kg
11303	4.5 mm	11.8 mm	7.3 mm	24.5 mm	12	384	7.1 kg
11304	5 mm	11.8 mm	8.0 mm	24.5 mm	12	384	7.1 kg
11305	5.5 mm	11.8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

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

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



ANSI B107.5M
DIN 3124



1/4" Drive 6 Point Metric Deep Sockets

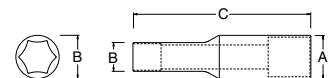
Cat. No.	Fastener Size	Dim. A: Drive End	Dim. B: Wrench End	Dim. C: Overall Length			G.W.
11401	4 mm	11.9 mm	6.7 mm	49 mm	12	396	10.3 kg
11402	5 mm	11.9 mm	8.0 mm	49 mm	12	396	10.9 kg
11403	6 mm	11.9 mm	9.2 mm	49 mm	12	396	11.4 kg
11404	7 mm	11.9 mm	10.8 mm	49 mm	12	396	12.5 kg
11405	8 mm	11.9 mm	11.9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

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

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



ANSI B107.5M
DIN 3124



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			G.W.
11922	150 mm	6	36	3.6 kg



- Made of Chrome Vanadium steel

1/4" Drive Wobble Extensions

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

ANSI B107.10M
DIN 3123



- Made of Chrome Vanadium steel

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

3/8" Drive 6 Point SAE Standard Length Sockets

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

ANSI B107.1



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

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

Socket & Drive Tool - Open Stock

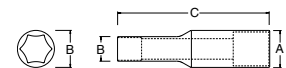
3/8" Drive 6 Point SAE Deep Sockets

		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.



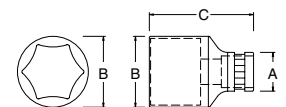
3/8" Drive 6 Point Metric Standard Length Sockets

		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

- 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 Metric Deep Sockets

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

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

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



ANSI B107.5M
DIN 3124

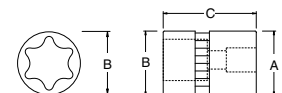


3/8" Drive External Torx® Sockets

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

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

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



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 Drive	Male Drive	Overall			G.W.
	Size	Size	Length			
12912	3/8"	3/8"	51.2 mm	6	72	10.7 kg

ANSI B107.10M
DIN 3123



- Made of Chrome Vanadium steel

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

3/8" Drive Adapters

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

ANSI B107.10M
DIN 3123



- Made of Chrome Vanadium steel

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

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

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

Socket & Drive Tool - Open Stock

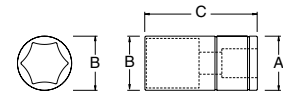
1/2" Drive 6 Point SAE Standard Length Sockets

		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

- 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
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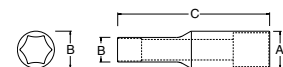
1/2" Drive 6 Point SAE Deep Sockets

		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

- 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
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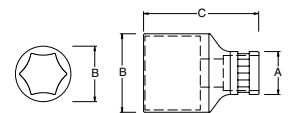


Socket & Drive Tool - Open Stock

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



- 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 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

- 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
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ANSI B107.5M
DIN 3124



1/2" Drive 12 Point SAE Standard Length Sockets

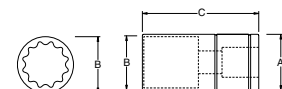
Cat. No.	Fastener Size	Dim. A: Drive		Dim. B: Wrench		Dim. C: Overall		G.W.
		End	End	End	End	Length		
13501	5/16 in	22.2 mm	12.5 mm	37.8 mm	6	84	6	4.9 kg
13502	3/8 in	22.2 mm	14.5 mm	37.8 mm	6	84	6	4.9 kg
13503	7/16 in	22.2 mm	17 mm	37.8 mm	6	84	6	5.2 kg
13504	1/2 in	22.2 mm	18.6 mm	37.8 mm	6	84	6	5.2 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
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ANSI B107.1



Socket & Drive Tool - Open Stock

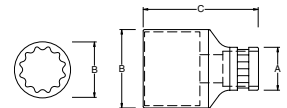
1/2" Drive 12 Point Metric Standard Length Sockets

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.

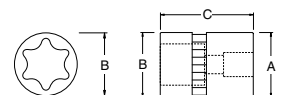


1/2" Drive External Torx® Sockets

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



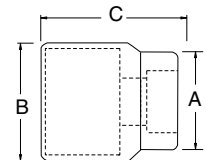
- Made of Chrome Vanadium steel

Socket & Drive Tool - Open Stock

3/4" Drive 12 Point SAE Standard Length Sockets

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



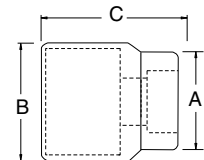
These sockets should never be used on power drivers, pneumatic impact wrench and/or extenders.

Socket & Drive Tool - Open Stock

3/4" Drive 12 Point Metric Standard Length Sockets

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

Cat. No.	Size	Dim. A:		Dim. C:		G.W.
		Fastener	Drive	Overall		
22401	#1	18 mm	48 mm			9.2 kg
22402	#2	18 mm	48 mm			9.5 kg
22403	#3	18 mm	48 mm			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	Male				
	Drive	Drive	Overall			
Cat. No.	Size	Size	Length			G.W.
34714	1/4"	3/8"	26.5 mm	20	300	5.2 kg

ANSI B107.2
 DIN 3129



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

3/8" Drive 6 Point Metric Impact Sockets

		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.
		Fastener	Overall			
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 Universal Joint

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

1/2" Drive Impact Drive Adapters

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



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 Length			G.W.
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 Universal Joint

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

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



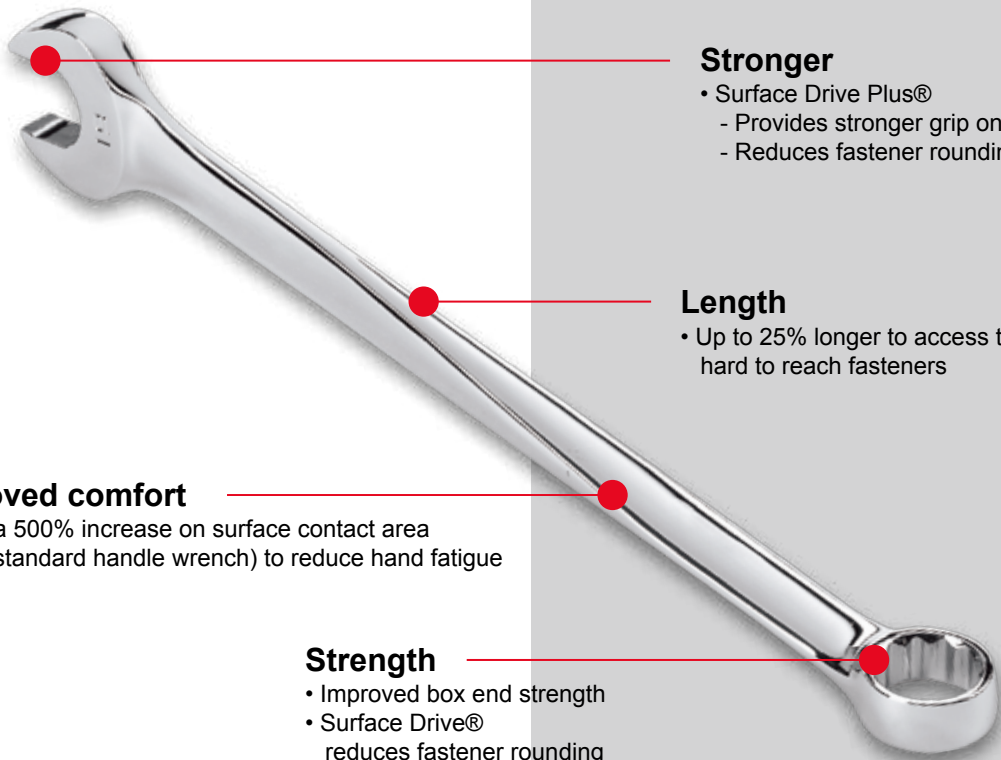
- For use with impact drivers
- Manufactured from Chrome Molybdenum material for increased strength and greater impact resistance
- Black finishing treatment for better corrosion protection

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

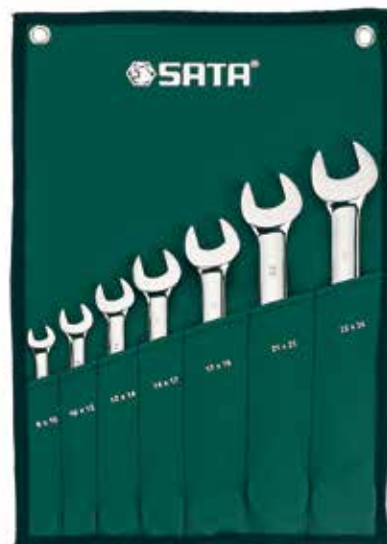


7 Pc. Metric Double Open End Wrench Set

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 Wrench 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



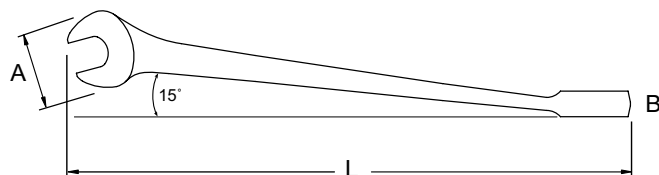
SAE XL X-Beam® Combination Wrenches

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



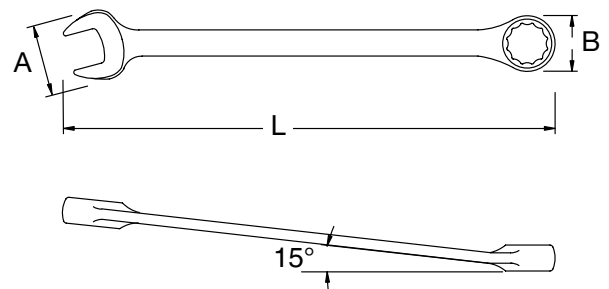
SAE Jumbo Combination Wrenches in Matte Finished

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



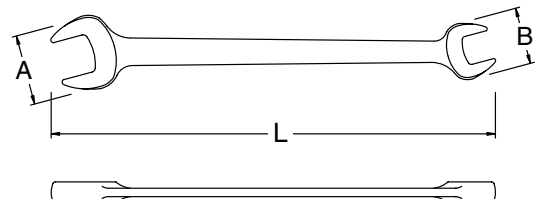
SAE Double Open End Wrenches

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

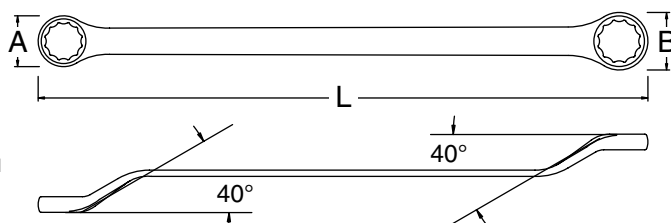
Cat. No.	Fastener Size	End A Width	End B Width	Overall Length			G.W.
42101	3/8x7/16 in	16.2 mm	18.4 mm	196 mm	6	36	4.0 kg
42102	1/2x9/16 in	19.8 mm	21.8 mm	220 mm	6	36	5.6 kg
42104	11/16x3/4 in	26.6 mm	27.7 mm	250 mm	6	36	8.1 kg
42105	13/16x7/8 in	30.5 mm	33 mm	290 mm	4	24	8.2 kg
42106	7/8x15/16 in	32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

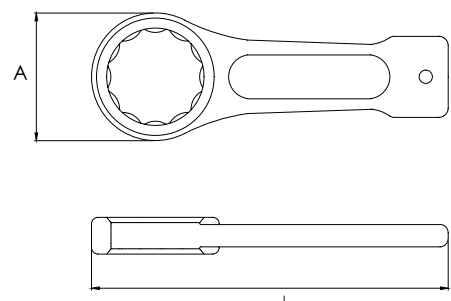
New



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	850 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

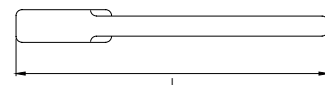
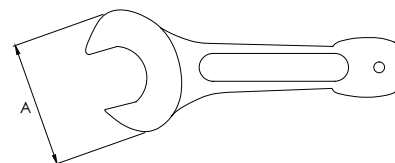
New



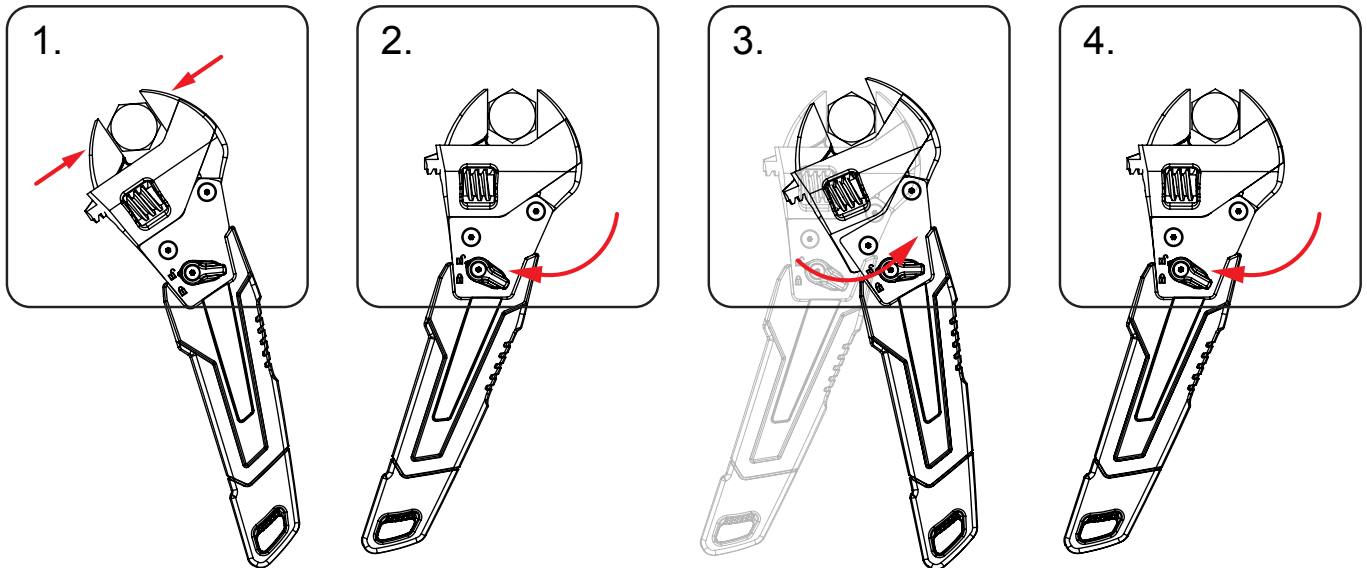
Metric Open End Slugging Wrenches

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



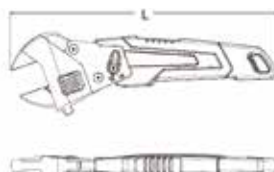
Ratcheting Adjustable Wrench - Open Stock



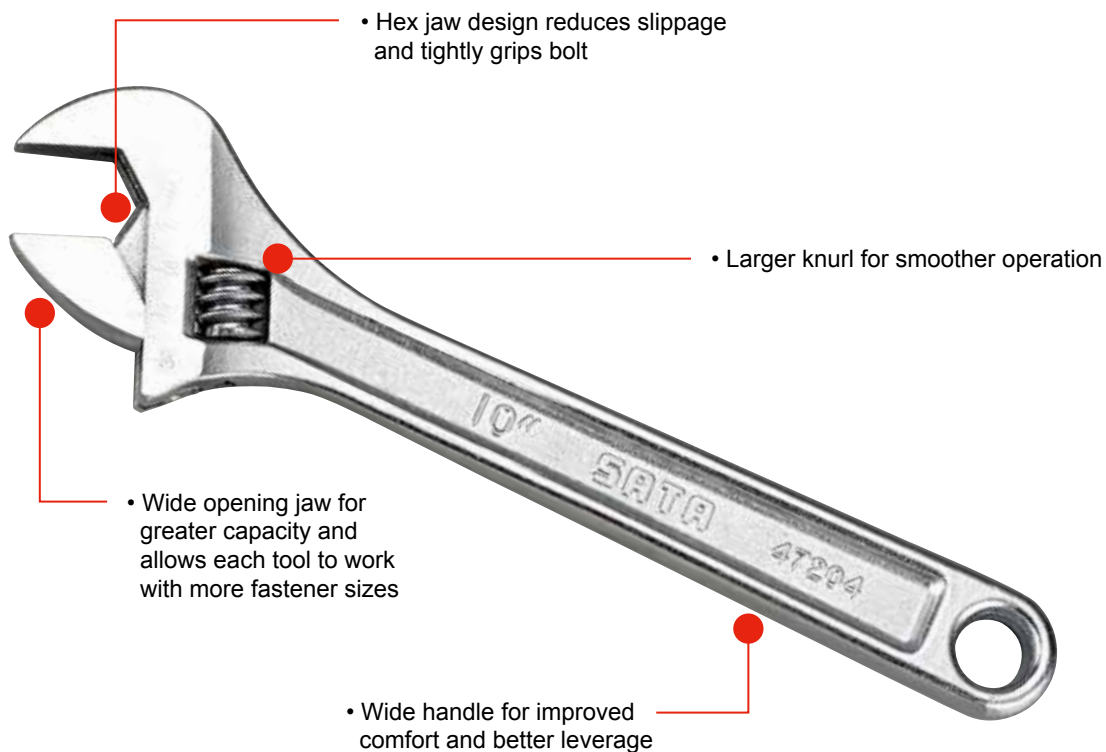
Ratcheting Adjustable Wrench

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

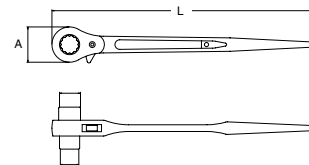


- Matte finished
- Larger knurl for smoother operation
- Dipping handle for better grip
- Wide opening jaw for greater capacity and allows each tool to work with more fastener sizes
- Wide handle for improved comfort and better leverage

Wrench - Open Stock

Metric Construction Ratcheting Wrenches

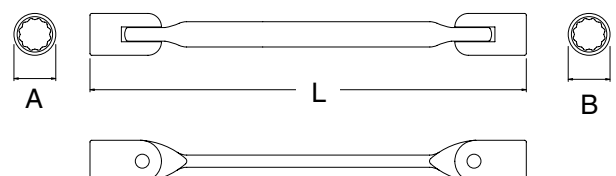
Cat. No.	Fastener Size	End A Width	Overall Length			G.W.
47305	12x14 mm	31 mm	225 mm	2	36	9.4 kg
47308	14x17 mm	35 mm	270 mm	2	36	12.1 kg
47309	17x19 mm	42 mm	305 mm	2	36	18.6 kg
47310	17x21 mm	40 mm	310 mm	2	36	18.6 kg
47312	19x21 mm	40 mm	310 mm	2	36	18.6 kg
47313	19x22 mm	40 mm	310 mm	2	36	18.5 kg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

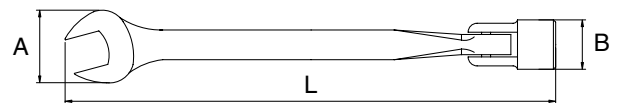


- Made of premium chrome vanadium alloy steel

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



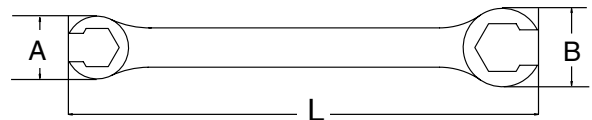
- Made of premium chrome vanadium alloy steel
- Unique design. Rod length reach to 30cm. Suitable for work in narrow space
- Handle length reach to 20cm for better torque

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



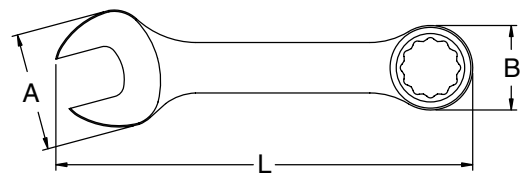
- Made of chrome vanadium alloy steel

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

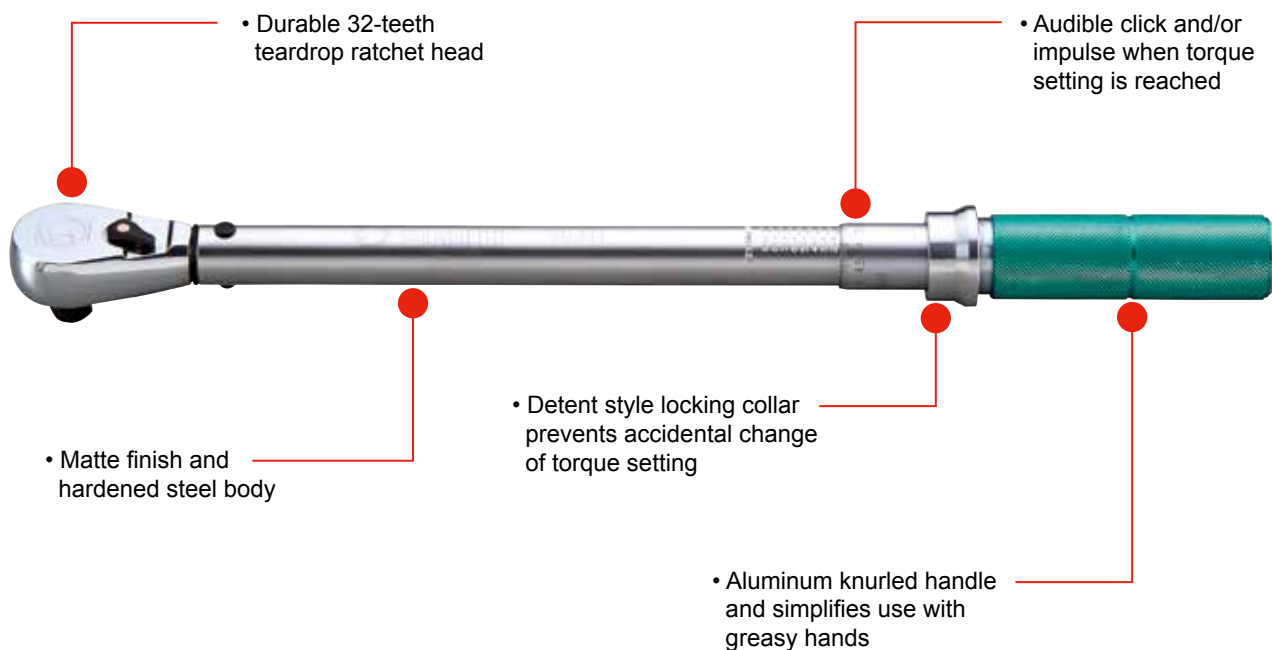
Heavy Duty Pipe Wrench

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

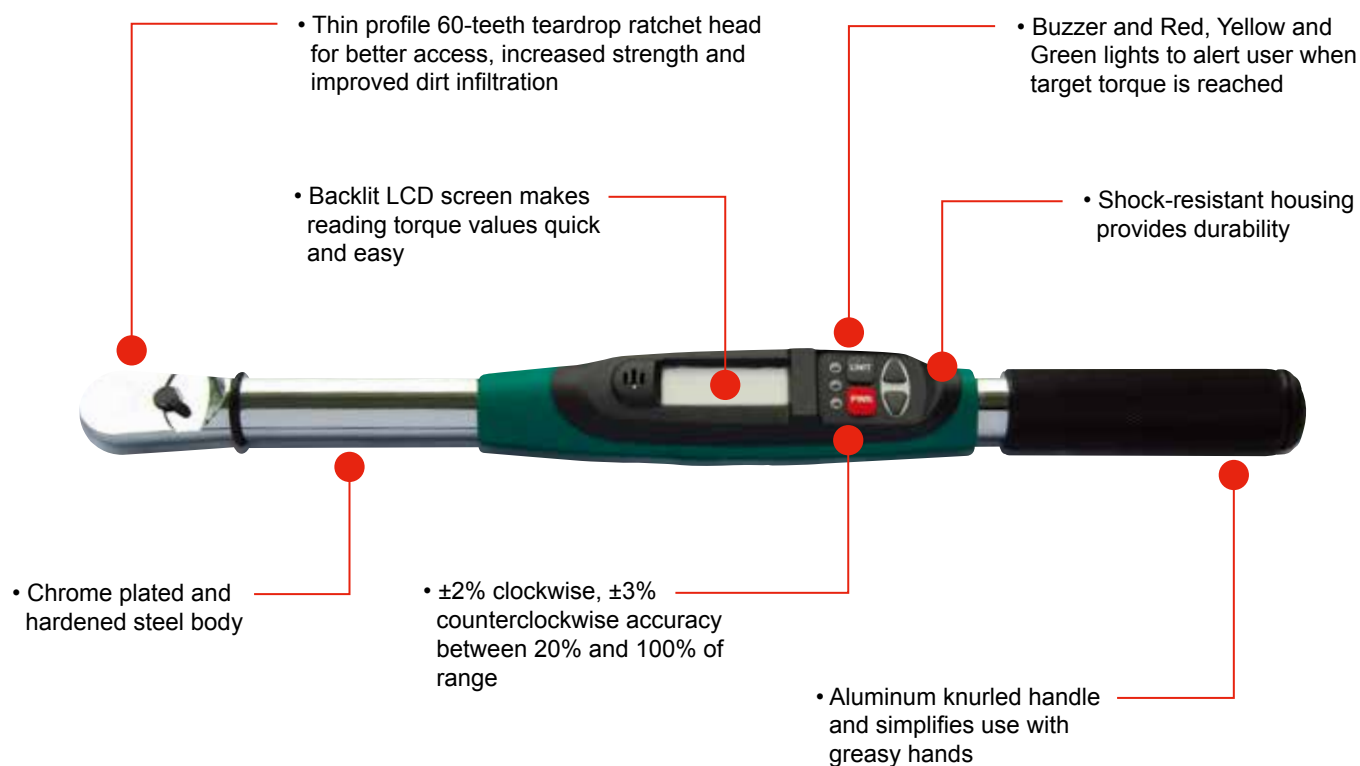
Cat. No.	Drive Tang Size	Overall Length	Primary Scale				G.W.
			Range	Max Torque			
96211	1/4 in	228 mm	1 nm	5 nm	0	16	9.8 kg
96212	3/8 in	268 mm	5 nm	25 nm	0	16	10.2 kg
96311	1/2 in	472 mm	20 nm	100 nm	0	10	17.2 kg
96312	1/2 in	555 mm	40 nm	200 nm	0	10	18.9 kg
96313	1/2 in	616 mm	68 nm	340 nm	0	10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

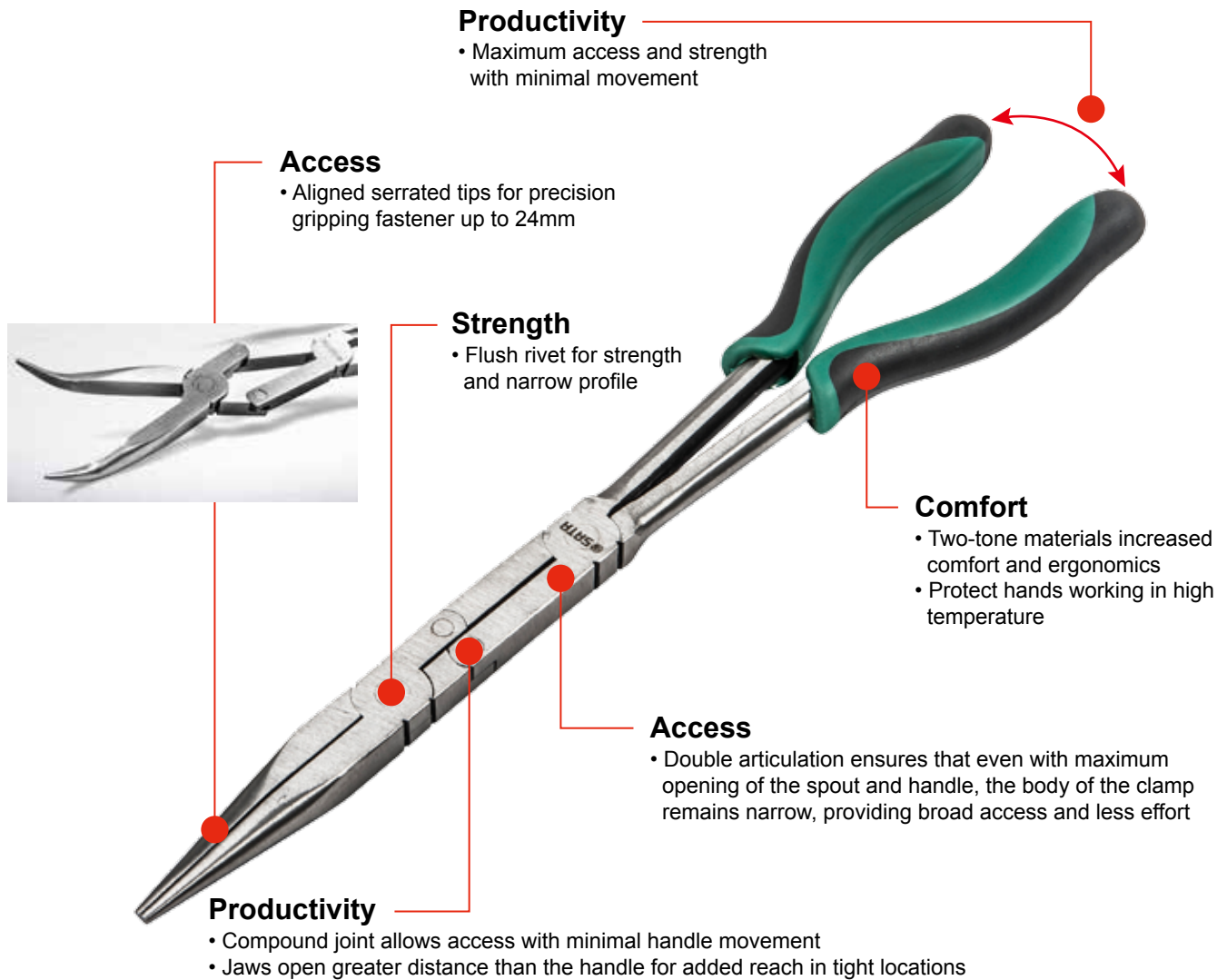
SATA Torque Products are warrantee to (1) be free of defects in material and workmanship.

(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



SUITABLE

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



SUPERFINE

Allows work in extremely restricted areas.



PROFILE

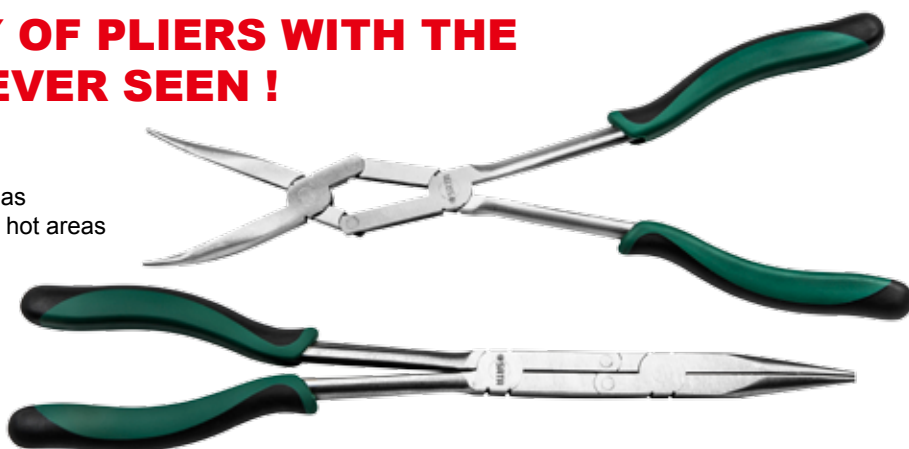
Extra long reach to get into confined & hot areas.

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



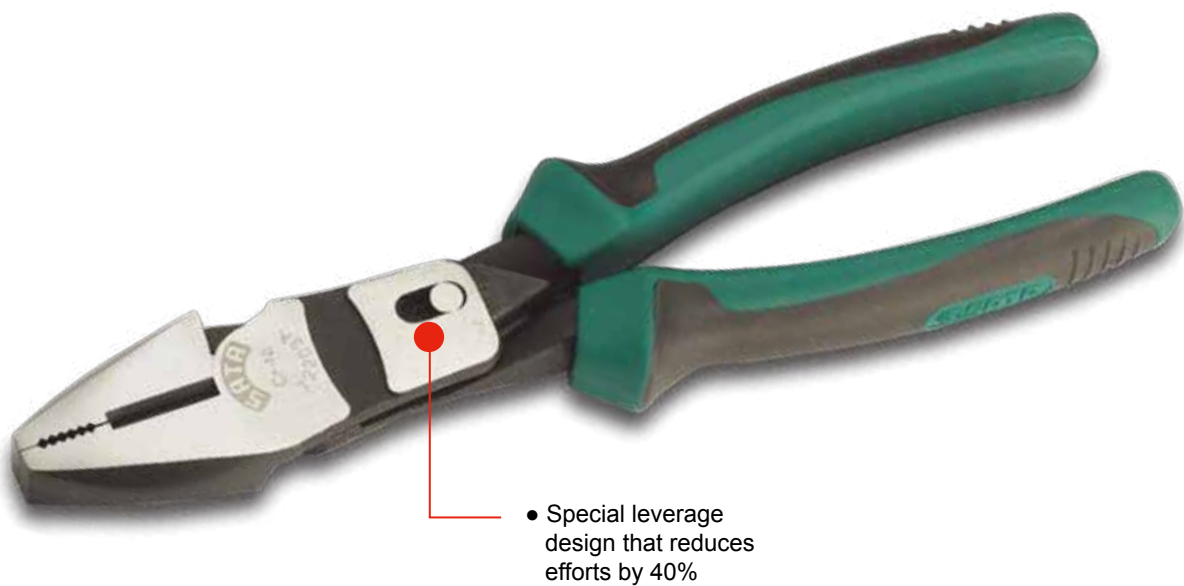
45 Degree Double-X Pliers

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

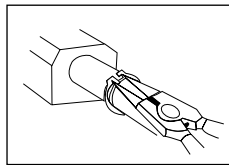


- Nickel-plated finish for rust resistant

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

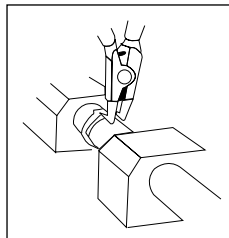


- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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



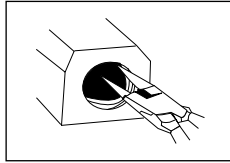
- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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

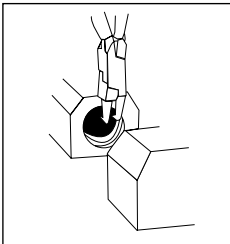


- Made of strong and durable tempering alloy-steel
- Anti-rust black finishing

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

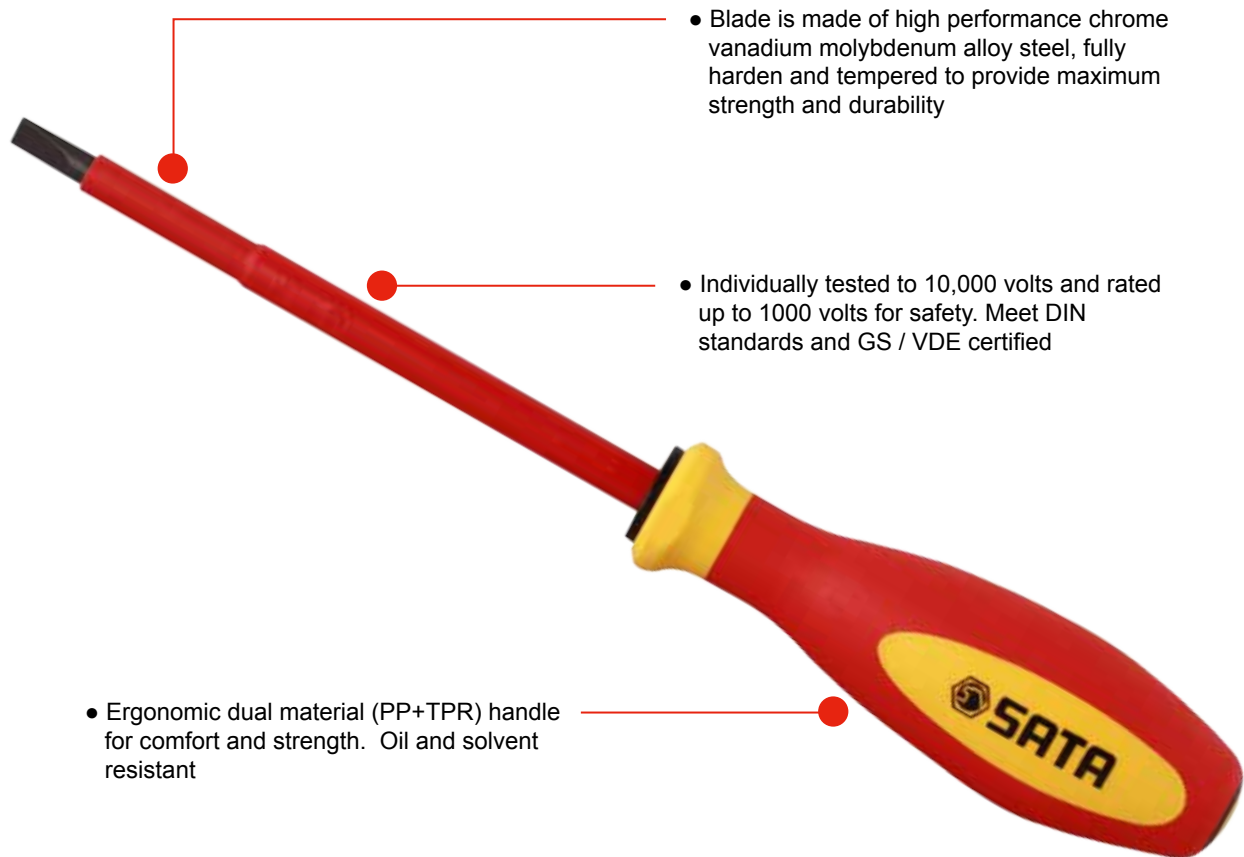
Cat. No.	Size	Overall Length	Overall Width			G.W.
97312	6.2x18 mm, 6.2x22 mm	19.7 cm	15.5 cm	12	240	7 kg



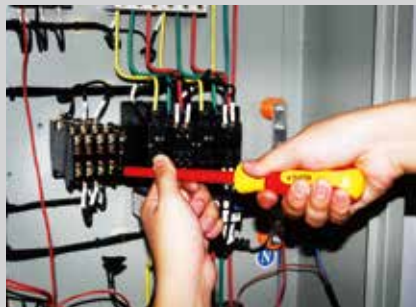
- Made of hardened alloy steel
- For cutting copper, aluminum, brass and thin wall tubing
- Spare blade for 97303 tubing cutter

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

Insulated Screwdriver



Every single handle is individually tested for maximum safety performance.



Suitable for working on live circuits of 1000V.

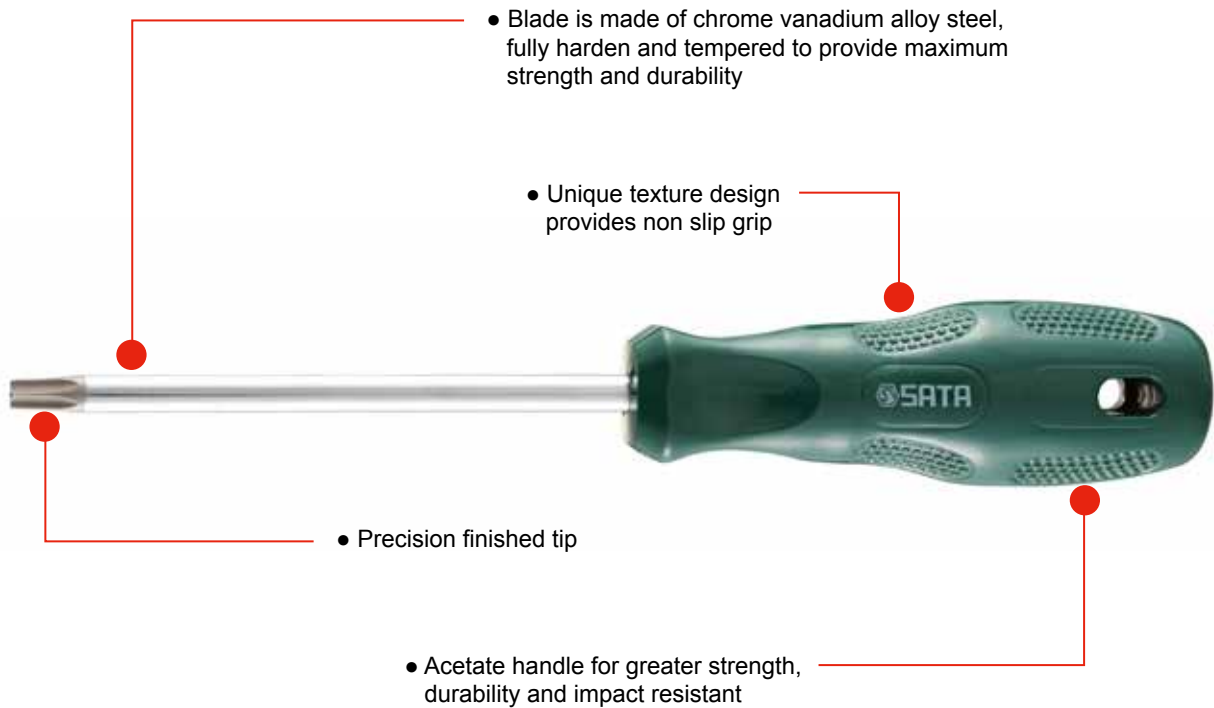


Slim tip design accesses fasteners in tight areas faster and easier.

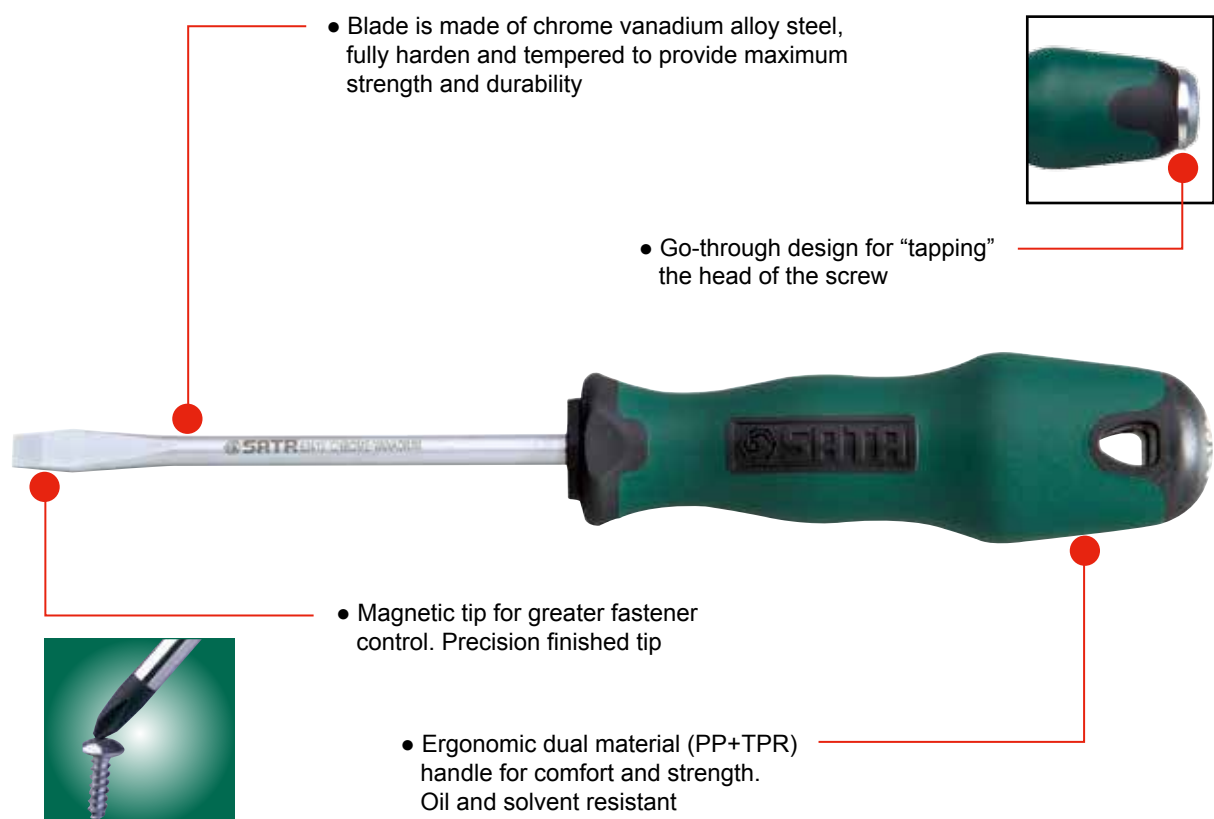


Always clean the tools after usage. It is important to keep the tools clean and dry both in use and when storing the tools. Check the tools on a regular basis and if there is any sign of damage or wear on insulation layer, the tool should be replaced.

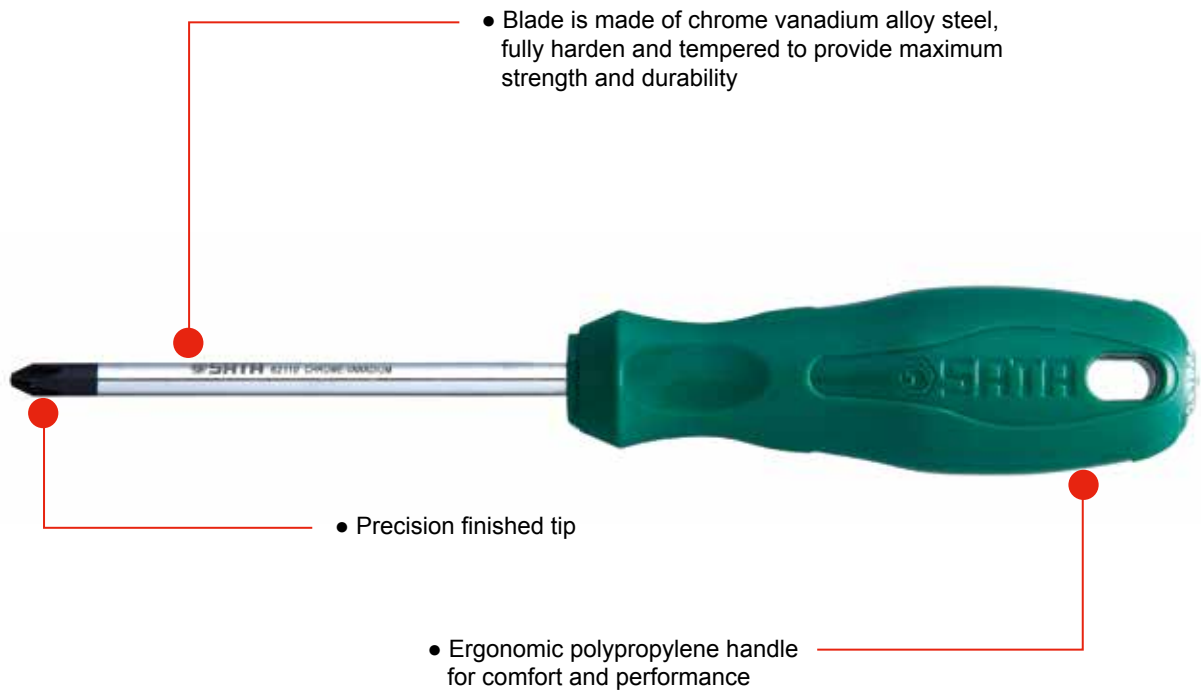
Acetate Screwdriver



Cushion Grip Screwdriver



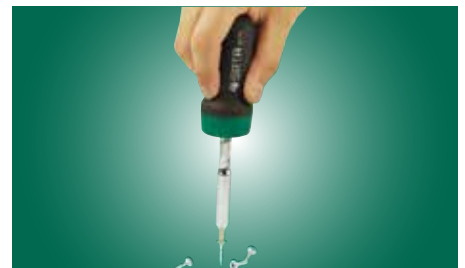
P-Series Screwdriver



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

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
63502	#0	75.0 mm	160.0 mm	25.0 mm	12	48	1.8 kg
63503	#0	100.0 mm	185.0 mm	25.0 mm	6	36	1.6 kg
63504	#0	150.0 mm	235.0 mm	25.0 mm	6	24	1.2 kg
63505	#0	200.0 mm	286.0 mm	25.0 mm	12	24	1 kg
63507	#1	75.0 mm	180.0 mm	31.0 mm	12	48	3.4 kg
63508	#1	100.0 mm	205.0 mm	31.0 mm	12	48	3.6 kg
63509	#1	150.0 mm	255 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

Cat. No.	Size	Shank Length	Overall Length	Maxi Handle			G.W.
				Diameter			
66202	#2&1.2X6.5	38.0 mm	98.0 mm	37.0 mm	6	36	2.5 kg
66203	#1&1.0X5.5	100.0 mm	220.0 mm	35.0 mm	6	24	2.9 kg
66204	#2&1.2X6.5	100.0 mm	220.0 mm	35.0 mm	6	24	2.9 kg
66205	#1&1.0X5.5	150.0 mm	270.0 mm	35.0 mm	6	24	3.2 kg
66206	#2&1.2X6.5	150.0 mm	270.0 mm	35.0 mm	6	24	3.3 kg

ANSI B107.15
DIN 5264



- 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

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

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

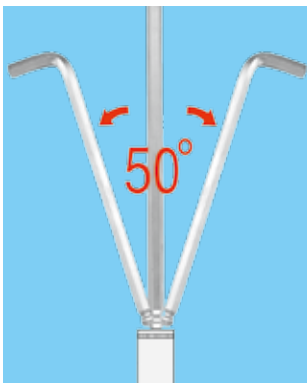
ANSI B107.15
DIN 5264



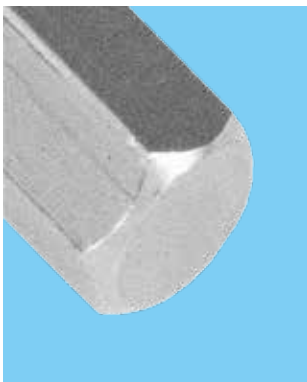
- Blade is made of chrome vanadium alloy steel, fully harden and tempered to provide maximum strength and durability
- Precision finished tip
- Ergonomic polypropylene handle for comfort and performance

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

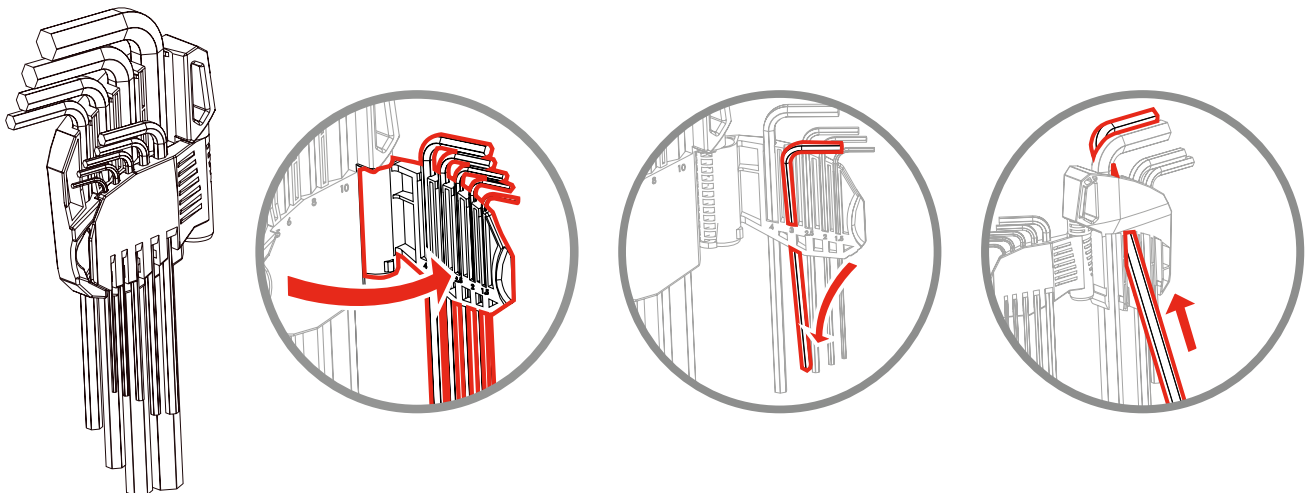
CONTENTS:

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

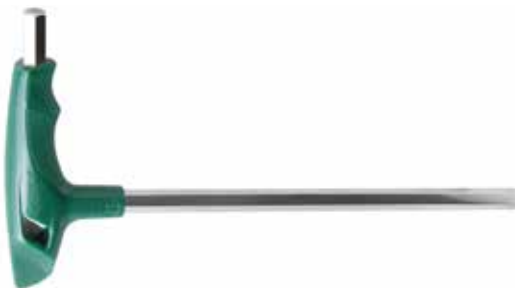
Cat. No.	Fastener Size	Handle Length	Length			G.W.
83105	2 mm	61.5 mm	129 mm	12	144	5.3 kg
83106	2.5 mm	61.5 mm	129 mm	12	144	5.6 kg
83107	3 mm	61 mm	128.5 mm	12	144	6.1 kg
83108	4 mm	60.5 mm	178 mm	12	144	8.3 kg
83110	5 mm	64 mm	178 mm	12	144	10.6 kg
83112	6 mm	88 mm	192 mm	12	72	10.3 kg
83113	7 mm	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

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

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.

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



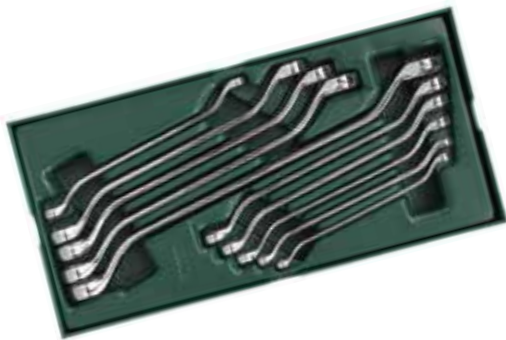
Tool Storage - Tray Set

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



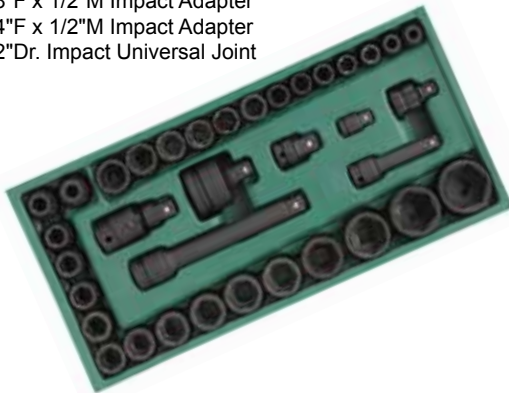
Tool Storage - Tray Set

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

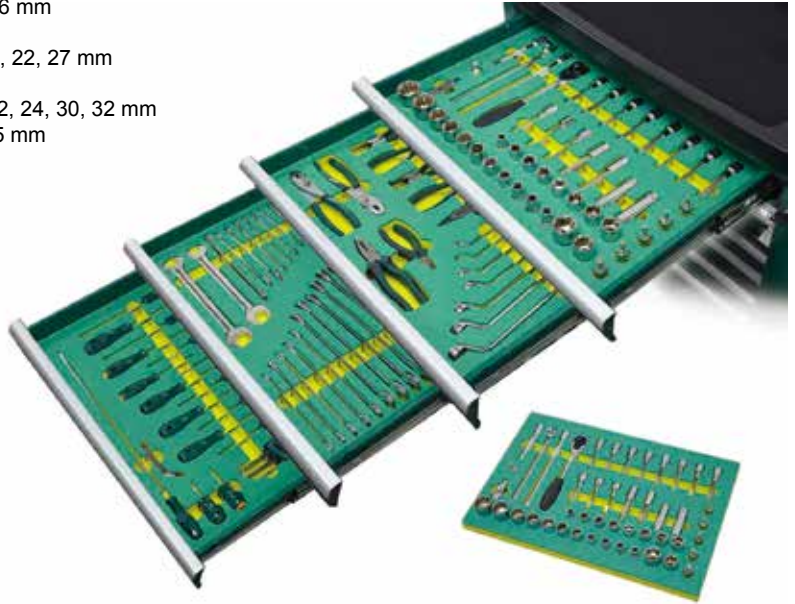
CONTENTS:

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

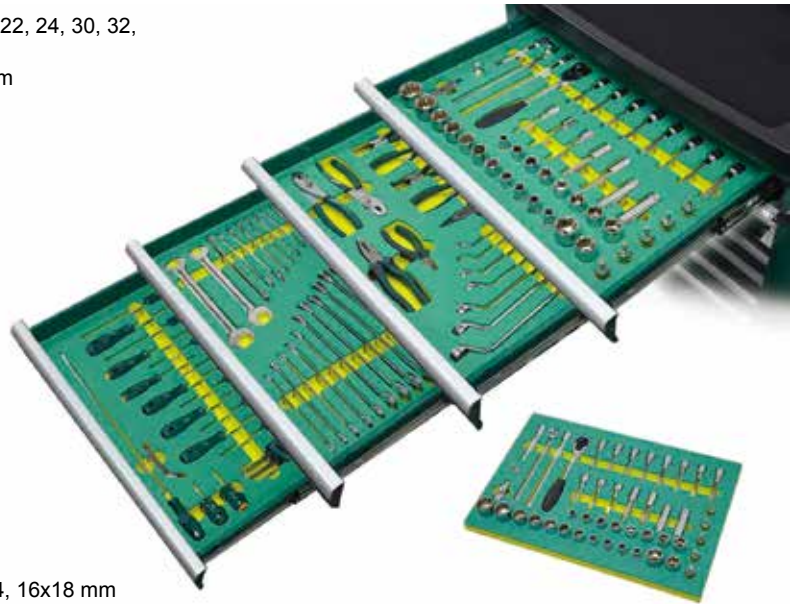
103 Pc. General Tool Set

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 (Grams)	Head Length	Overall Length			G.W.
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 (Grams)	Head Length	Overall Length			G.W.
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 (Grams)	Head Length	Overall Length			G.W.
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 (Grams)	Head Length	Overall Length			G.W.
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.

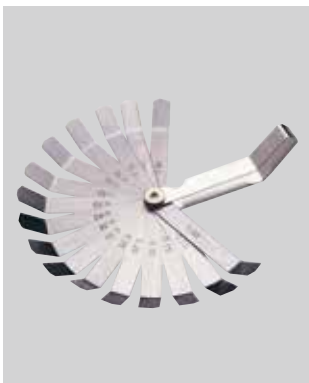


Auto Specialty Tool

- 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 spilt 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 Remover

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				G.W.
Cat. No.	Length			
97212	300 mm	9	72	7.2 kg
97213	450 mm	9	72	9.6 kg



- High-strength pressure nylon hose can easily insert the work area.

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

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 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.

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 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.

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 argricultural jobs for lifting, pushing, bending and straightening
- Adjustable top screw
- Fewer working parts, extremely smooth bearing surfaces, and close tolerances ensure trouble-free service and long life.
- Screw adjustable pad Jacks can be used in vertical and horizontal positions

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

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.

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LIFETIME WARRANTY

All SATA Products (unless otherwise stated) are fully warranted against manufacturing default including faulty materials and workmanship, subjected to being used for its intended purpose and allowing for fair wear and tear.

Defective tools will be repaired and/or replaced at SATA's discretion free of charge. They should be held by buyers or returned for inspection to the factory upon request.

This lifetime warranty does not extend to products that have been improperly used, altered, abused or repaired by others. Rustiness after usage, electroplate desquamation, surface scraped or plastic handle damage are not within warranty range. Damage in the packaging is also out of warranty range.

WARRANTY INFORMATION

The obvious dent or electroplate desquamation indicates that a pipe wrench or hammer (or other form of "cheater") has been abused on this ratchet. Please use a larger size of ratchet to increase the leverage of any wrench.



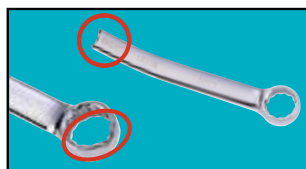
The obvious slippage on socket end or crack on socket wall indicates that this impact tools has been used on this socket. When you are working with impact tools, please choose **SATA** impact sockets with black coat.



The breach of handle, blade chip-off and bent shanks are the results of using screwdriver as a pry bar, punch or chisel.



Distort or breach on the wrench is also result of using the wrench as a pry bar. Please use the right pry bar for prying.



Authorized Distributor:

