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Sockets, Ratchets & Accessories

A full assortment of sockets, ratchets and drive accessories are available to accommodate most any application. Each tool is forged from chrome vanadium alloy steel and then nickel-chrome plated for corrosion resistance and durability.

Sockets are designed with chamfered and recessed leading edges to provide the most positive fit possible. 4-sided internal ball detents in the drive recess are provided to ensure a firm grip with every drive accessory, and as an added benefit, all sockets feature the *Dyna-Drive*™ Torque System.

Manufactured to rigid specifications from only the finest materials, *Pro-Grade*™ Ratchets feature either a heavy-duty Oval or Round Head design, and precision machined, heat treated gear assemblies.

A single reversing toggle and thumb activated quick-release mechanism provide true, one-hand operation, while ergonomically contoured, fully polished handles deliver a tool that feels as good as it looks.

Dyna-Drive™ Torque System

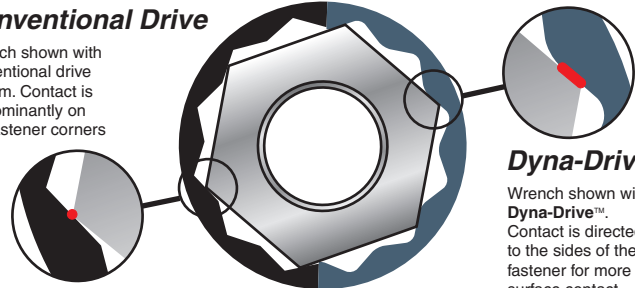
An exclusive feature on all Pro-Grade™ sockets and combination wrenches, the Dyna-Drive™ Torque System dramatically improves fastener driving performance when compared to conventional socket and wrench driving systems.

By re-designing the socket and wrench box-end interiors to grip the sides of the fastener rather than the corners (as in conventional tools) the contact surface area is substantially increased.

This allows the application of up to 20% more driving torque with no slippage or fastener damage. In addition, many fasteners with existing rounded corners can now be worked more easily.

Conventional Drive

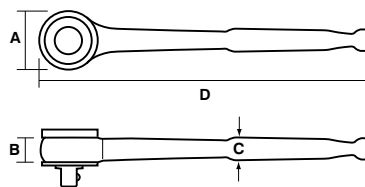
Wrench shown with conventional drive system. Contact is predominantly on the fastener corners.



Dyna-Drive™

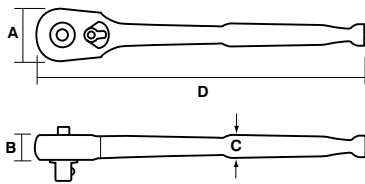
Wrench shown with Dyna-Drive™. Contact is directed to the sides of the fastener for more surface contact.

1/4" DRIVE RATCHETS



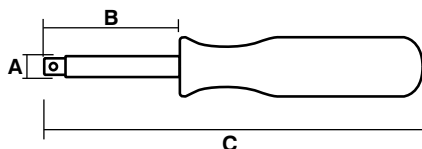
Dimensions

Item No.	Description	Head Type	Gear Teeth	A Head Diameter	B Head Thickness	C Handle Thickness	D Overall Length
12011	1/4" Dr. Quick Release	Round	72	1.00	0.44	0.47	5.63



12012	1/4" Dr. Quick Release	Sealed	45	0.96	0.48	0.51	5.63
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1/4" DRIVE SPINNER HANDLE

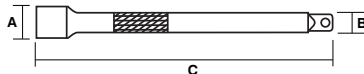


Dimensions

Item No.	Description	A Shank Diameter	B Shank Length	C Overall Length
12013	1/4" Dr. Spinner Handle	0.32	2.04	5.94

Sockets, Ratchets & Accessories

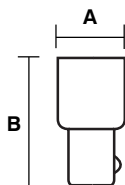
1/4" DRIVE EXTENSIONS



Dimensions

Item No.	Description	A	B	C
		Internal Drive End O.D.	Shank Diameter	Overall Length
12001	1/4" Dr. 3" Extension	0.49	0.32	3
12002	1/4" Dr. 6" Extension	0.49	0.32	6

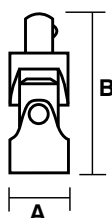
1/4" DRIVE ADAPTORS



Dimensions

Item No.	Description	A	B
		Outside Diameter	Overall Length
12014	1/4" Dr. 1/4" x 3/8" Increasing Adaptor	0.46	0.98

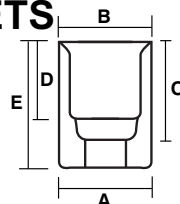
1/4" DRIVE UNIVERSAL JOINTS



Dimensions

Item No.	Description	A	B
		Outside Diameter	Overall Length
12010	1/4" Dr. Universal Joint	0.59	1.37

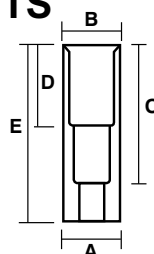
1/4" DRIVE 6 Pt. SAE STANDARD SOCKETS



Dimensions

Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
12201	1/4" Dr. 6 Pt. 1/4" Socket	0.46	0.37	0.53	0.35	0.96
12202	1/4" Dr. 6 Pt. 9/32" Socket	0.46	0.42	0.55	0.37	0.96
12203	1/4" Dr. 6 Pt. 5/16" Socket	0.46	0.46	0.55	0.39	0.96
12204	1/4" Dr. 6 Pt. 11/32" Socket	0.49	0.49	0.57	0.41	0.96
12205	1/4" Dr. 6 Pt. 3/8" Socket	0.54	0.54	0.57	0.49	0.96
12206	1/4" Dr. 6 Pt. 7/16" Socket	0.62	0.62	0.57	0.49	0.96
12207	1/4" Dr. 6 Pt. 1/2" Socket	0.68	0.68	0.57	0.49	0.96

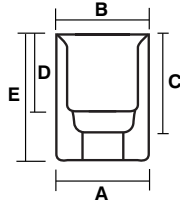
1/4" DRIVE 6 Pt. SAE DEEP WALL SOCKETS



Dimensions

Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
12301	1/4" Dr. 6 Pt. DW 1/4" Socket	0.47	0.39	1.61	0.35	1.93
12302	1/4" Dr. 6 Pt. DW 9/32" Socket	0.47	0.43	1.61	0.59	1.93
12303	1/4" Dr. 6 Pt. DW 5/16" Socket	0.47	0.47	1.61	0.59	1.93
12304	1/4" Dr. 6 Pt. DW 11/32" Socket	0.52	0.52	1.61	0.59	1.93
12305	1/4" Dr. 6 Pt. DW 3/8" Socket	0.57	0.57	1.61	0.59	1.93
12306	1/4" Dr. 6 Pt. DW 7/16" Socket	0.63	0.63	1.61	0.59	1.93
12307	1/4" Dr. 6 Pt. DW 1/2" Socket	0.70	0.70	1.61	0.59	1.93

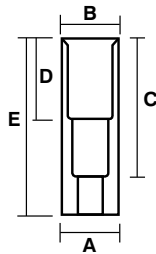
1/4" DRIVE 6 Pt. METRIC STANDARD SOCKETS



Dimensions

Item No.	Description	A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
12505	1/4" Dr. 6 Pt. 5mm Socket	0.46	0.3	0.49	0.31	0.96
12506	1/4" Dr. 6 Pt. 6mm Socket	0.46	0.33	0.53	0.31	0.96
12507	1/4" Dr. 6 Pt. 7mm Socket	0.46	0.42	0.55	0.37	0.96
12508	1/4" Dr. 6 Pt. 8mm Socket	0.46	0.46	0.55	0.39	0.96
12509	1/4" Dr. 6 Pt. 9mm Socket	0.52	0.52	0.57	0.41	0.96
12510	1/4" Dr. 6 Pt. 10mm Socket	0.56	0.56	0.57	0.49	0.96
12511	1/4" Dr. 6 Pt. 11mm Socket	0.62	0.62	0.57	0.49	0.96
12512	1/4" Dr. 6 Pt. 12mm Socket	0.66	0.66	0.57	0.49	0.96
12513	1/4" Dr. 6 Pt. 13mm Socket	0.70	0.70	0.57	0.49	0.96

1/4" DRIVE 6 Pt. METRIC DEEP WALL SOCKETS



Dimensions

Item No.	Description	A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
12707	1/4" Dr. 6 Pt. DW 7mm Socket	0.47	0.43	1.61	0.59	1.93
12708	1/4" Dr. 6 Pt. DW 8mm Socket	0.47	0.47	1.61	0.59	1.93
12709	1/4" Dr. 6 Pt. DW 9mm Socket	0.52	0.52	1.61	0.59	1.93
12710	1/4" Dr. 6 Pt. DW 10mm Socket	0.57	0.57	1.61	0.59	1.93
12711	1/4" Dr. 6 Pt. DW 11mm Socket	0.63	0.63	1.61	0.59	1.93
12712	1/4" Dr. 6 Pt. DW 12mm Socket	0.67	0.67	1.61	0.59	1.93
12713	1/4" Dr. 6 Pt. DW 13mm Socket	0.70	0.70	1.61	0.59	1.93

1/4" DRIVE SOCKET SETS

Item No. Description

19204 13 pc. 1/4" Dr. SAE Socket Set in Case

19206 21 pc. 1/4" Dr. SAE Socket Set in Case

19205 13 pc. 1/4" Dr. Metric Socket Set in Case

19202 7 pc. 1/4" SAE Deep Socket Set w/ Rail

19201 8 pc. 1/4" Dr. Metric Socket Set w/ Rail

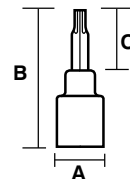
19203 7 pc. 1/4" Dr. Metric Deep Socket Set w/



1/4" DRIVE TORX® SOCKETS

- For use on Torx® style fasteners
- Chrome Vanadium steel sockets for durability
- Two-piece design - driver inserts are made from high quality S-2

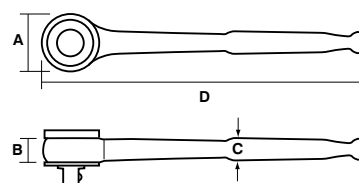
Steel



Dimensions

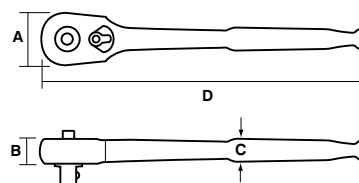
Item No.	Description	Driver Size	A Drive End Diameter	B Overall Length	C Driver Length	
12910	1/4" Dr. T10 Internal Torx® Socket		T10	0.47	0.72	1.44
12915	1/4" Dr. T15 Internal Torx® Socket		T15	0.47	0.72	1.44
12920	1/4" Dr. T20 Internal Torx® Socket		T20	0.47	0.72	1.44
12925	1/4" Dr. T25 Internal Torx® Socket		T25	0.47	0.72	1.44
12927	1/4" Dr. T27 Internal Torx® Socket		T27	0.47	0.72	1.44
12930	1/4" Dr. T30 Internal Torx® Socket		T30	0.47	0.72	1.44

3/8" DRIVE RATCHETS

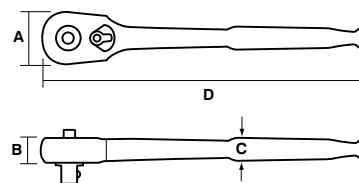


Dimensions

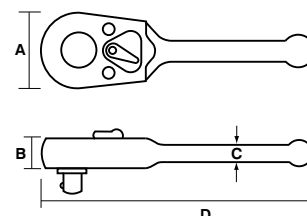
Item No.	Description	Head Type	Gear Teeth	A Head Diameter	B Head Thickness	C Handle Thickness	D Overall Length
13011	3/8" Dr. Quick Release Ratchet	Round	72	1.43	0.59	0.59	8



13012	3/8" Dr. Oval Quick Release Ratchet	Sealed	45	1.22	0.57	0.59	8
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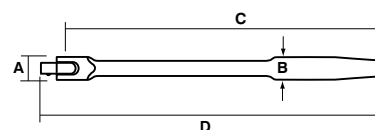


13013	3/8" Dr. 11" Flex Head Ratchet	Sealed	45	1.33	0.59	0.68	10.43
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13014	3/8" Dr. 4" Stubby Ratchet	Sealed	45	1.22	0.57	0.51	4.57
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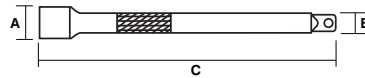
3/8" DRIVE FLEX HANDLES



Dimensions

Item No.	Description	A Head Width	B Handle Width	C Handle Length (at pivot)	D Overall Width
13015	3/8" Dr. Flex Handle	0.82	0.62	7.59	8.38

3/8" DRIVE EXTENSIONS



Dimensions

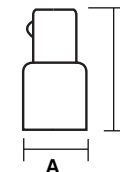
Item No.	Description	A Internal Drive End O.D.	B Shank Diameter	C Overall Length
13001	3/8" Dr. 3" Extension	0.67	0.48	3
13002	3/8" Dr. 6" Extension	0.67	0.48	6
13003	3/8" Dr. 12" Extension	0.67	0.48	12

3/8" DRIVE ADAPTORS



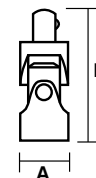
Dimensions

Item No.	Description	A Outside Diameter	B Overall Length
13016	3/8" Dr. 3/8" x 1/4" Reducing Adaptor	0.63	1



13017	3/8" Dr. 3/8" x 1/2" Increasing Adaptor	0.71	1.42
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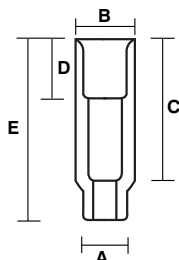
3/8" DRIVE UNIVERSAL JOINTS



Dimensions

Item No.	Description	A Outside Diameter	B Overall Length
13010	3/8" Dr. Universal Joint	0.79	2.19

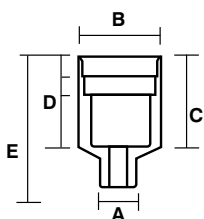
3/8" DRIVE SPARK PLUG SOCKETS



Dimensions

Item No.	Description	A	B	C	D	E
		Drive End Wrench Size	Socket End Diameter	Plug Clearance Depth	Opening Depth	Overall Length
13250	3/8" Dr. 13/16" Universal Spark Plug Socket	0.75	0.87	2.08	1.69	2.51
13251	3/8" Dr. 5/8" Universal Spark Plug Socket	0.87	1.08	2.08	1.81	2.75
13252	3/8" Dr. 5/8" Spark Plug Socket	0.71	0.87	2.08	1.08	3.11
13253	3/8" Dr. 13/16" Spark Plug Socket	0.71	1.10	2.31	1.18	3.11

3/8" DRIVE OIL SENDING UNIT SOCKETS

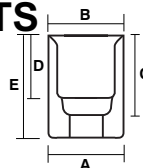


Dimensions

Item No.	Description	A	B	C	D
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth
13254	3/8" Dr. Oil Sending Unit Socket	1.14	1.33	1.57	1" (1-1/16")

E

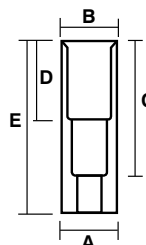
3/8" DRIVE 6 Pt. SAE STANDARD SOCKETS



Dimensions

Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
13201	3/8" Dr. 6 Pt. 3/8" Socket	0.68	0.54	0.55	0.30	0.98
13202	3/8" Dr. 6 Pt. 7/16" Socket	0.68	0.63	0.55	0.30	0.98
13203	3/8" Dr. 6 Pt. 1/2" Socket	0.70	0.70	0.57	0.30	0.98
13204	3/8" Dr. 6 pt. 9/16" Socket	0.78	0.78	0.57	0.49	0.98
13205	3/8" Dr. 6 Pt. 5/8" Socket	0.87	0.87	0.57	0.49	0.98
13206	3/8" Dr. 6 pt. 11/16" Socket	0.94	0.94	0.57	0.49	0.98
13207	3/8" Dr. 6 Pt. 3/4" Socket	1.02	1.02	0.57	0.49	0.98
13208	3/8" Dr. 6 Pt. 13/16" Socket	1.10	1.10	0.57	0.59	0.98
13209	3/8" Dr. 6 Pt. 7/8" Socket	1.17	1.17	0.57	0.59	0.98

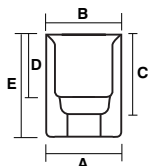
3/8" DRIVE 6 Pt. SAE DEEP WALL SOCKETS



Dimensions

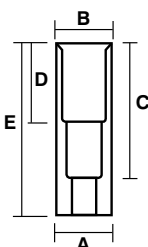
Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
13301	3/8" Dr. 6 Pt. DW 3/8" Socket	0.66	0.54	1.56	0.67	2.50
13302	3/8" Dr. 6 Pt. DW 7/16" Socket	0.66	0.63	2.03	0.91	2.50
13303	3/8" Dr. 6 Pt. DW 1/2" Socket	0.70	0.70	2.03	0.91	2.50
13304	3/8" Dr. 6 Pt. DW 9/16" Socket	0.78	0.78	2.03	0.91	2.50
13305	3/8" Dr. 6 Pt. DW 5/8" Socket	0.87	0.87	2.03	0.91	2.50
13306	3/8" Dr. 6 Pt. DW 11/16" Socket	0.94	0.94	2.03	0.91	2.50
13307	3/8" Dr. 6 Pt. DW 3/4" Socket	1.02	1.02	2.03	0.91	2.50
13308	3/8" Dr. 6 Pt. DW 13/16" Socket	1.09	1.09	2.03	0.91	2.50
13309	3/8" Dr. 6 Pt. DW 7/8" Socket	1.17	1.17	2.03	0.91	2.50

3/8" DRIVE 6 Pt. METRIC STANDARD SOCKETS



Item No.	Description	Dimensions				
		A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
13507	3/8" Dr. 6 Pt. 7 mm Socket	0.67	0.43	0.55	0.30	0.98
13508	3/8" Dr. 6 Pt. 8 mm Socket	0.67	0.47	0.55	0.30	0.98
13509	3/8" Dr. 6 Pt. 9 mm Socket	0.67	0.51	0.55	0.30	0.98
13510	3/8" Dr. 6 Pt. 10 mm Socket	0.67	0.57	0.55	0.30	0.98
13511	3/8" Dr. 6 Pt. 11 mm Socket	0.67	0.62	0.55	0.30	0.98
13512	3/8" Dr. 6 Pt. 12 mm Socket	0.67	0.67	0.57	0.31	0.98
13513	3/8" Dr. 6 Pt. 13 mm Socket	0.72	0.72	0.57	0.31	0.98
13514	3/8" Dr. 6 Pt. 14 mm Socket	0.77	0.77	0.57	0.49	0.98
13515	3/8" Dr. 6 Pt. 15 mm Socket	0.82	0.82	0.57	0.49	0.98
13516	3/8" Dr. 6 Pt. 16 mm Socket	0.87	0.87	0.57	0.49	0.98
13517	3/8" Dr. 6 Pt. 17 mm Socket	0.92	0.92	0.57	0.49	0.98
13518	3/8" Dr. 6 Pt. 18 mm Socket	0.96	0.96	0.57	0.49	0.98
13519	3/8" Dr. 6 Pt. 19 mm Socket	1.00	1.00	0.57	0.49	0.98

3/8" DRIVE 6 Pt. METRIC DEEP WALL SOCKETS



Item No.	Description	Dimensions				
		A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
13710	3/8" Dr. 6 Pt. DW 10 mm Socket	0.66	0.57	2.03	0.75	2.50
13711	3/8" Dr. 6 Pt. DW 11 mm Socket	0.66	0.62	2.03	0.91	2.50
13712	3/8" Dr. 6 Pt. DW 12 mm Socket	0.66	0.66	2.03	0.91	2.50
13713	3/8" Dr. 6 Pt. DW 13 mm Socket	0.72	0.72	2.03	0.91	2.50
13714	3/8" Dr. 6 Pt. DW 14 mm Socket	0.77	0.77	2.03	0.91	2.50
13715	3/8" Dr. 6 Pt. DW 15 mm Socket	0.82	0.82	2.03	0.91	2.50
13716	3/8" Dr. 6 Pt. DW 16 mm Socket	0.87	0.87	2.03	0.91	2.50
13717	3/8" Dr. 6 Pt. DW 17 mm Socket	0.94	0.94	2.03	0.91	2.50
13718	3/8" Dr. 6 Pt. DW 18 mm Socket	0.94	0.94	2.03	0.91	2.50
13719	3/8" Dr. 6 Pt. DW 19 mm Socket	1.00	1.00	2.03	0.91	2.50

Illustrations are for reference only and may not represent actual tool.

3/8" DRIVE SOCKET SETS

Item No.	Description
19305	12 pc. 3/8" Dr. SAE Socket Set in Case
19307	18 pc. 3/8" Dr. SAE Socket Set in Case
19306	12 pc. 3/8" Dr. Metric Socket Set in Case
19308	18 pc. 3/8" Dr. Metric Socket Set in Case

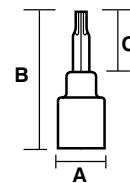


19302	7 pc. 3/8" Dr. SAE Socket Set w/ Rail
19303	7 pc. 3/8" Dr. SAE Deep Socket Set w/ Rail
19304	8 pc. 3/8" Dr. Metric Deep Socket Set w/ Rail
19301	13 pc. 3/8" Dr. Metric Socket Set w/ Rail



3/8" DRIVE TORX® SOCKETS

- For use on Torx® style fasteners
- Chrome Vanadium steel sockets for durability
- Two-piece design - driver inserts are made from high quality S-2 Steel



Dimensions



Item No.	Description	Driver Size	A Drive End Diameter	B Overall Length	C Driver Length	
12940	3/8" Dr. T40 Internal Torx® Socket		T40	0.71	0.91	1.93
12945	3/8" Dr. T45 Internal Torx® Socket		T45	0.71	0.91	1.93
12947	3/8" Dr. T47 Internal Torx® Socket		T47	0.71	0.91	1.93
12950	3/8" Dr. T50 Internal Torx® Socket		T50	0.71	0.91	1.93
12955	3/8" Dr. T55 Internal Torx® Socket		T55	0.71	0.91	1.93
12960	3/8" Dr. T60 Internal Torx® Socket		T60	0.71	0.91	1.93

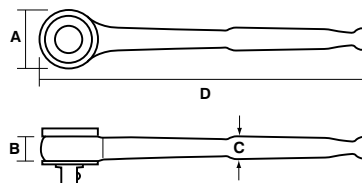
TORX® SOCKET SETS

Item No.	Description
19021	1/4" & 3/8" Dr. Torx® Socket Set w/ Rail



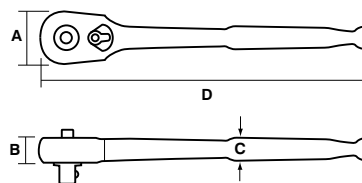
Sockets, Ratchets & Accessories

1/2" DRIVE RATCHETS

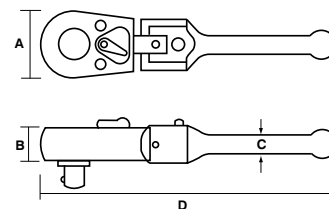


Dimensions

Item No.	Description	Head Type	Gear Teeth	A Head Diameter	B Head Thickness	C Handle Thickness	D Overall Length
14011	1/2" Dr. Quick Release Ratchet	Round	72	1.61	0.73	0.71	10

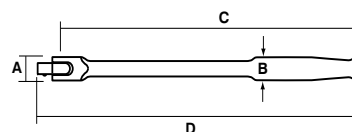


14012	1/2" Dr. Oval Quick Release Ratchet	Sealed	45	1.65	0.72	0.75	9.69
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14013	1/2" Dr. 6" Flex Head Stubby Ratchet	Sealed	45	1.63	0.73	0.60	7.56
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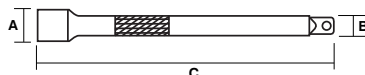
1/2" DRIVE FLEX HANDLES



Dimensions

Item No.	Description	A Head Width	B Handle Width	C Handle Length (at pivot)	D Overall Width
14015	1/2" Dr. 15" Flex Handle	1.10	0.78	13.77	14.76

1/2" DRIVE EXTENSIONS

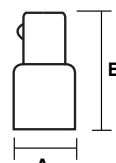
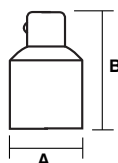


Dimensions

Item No.	Description	A Internal Drive End O.D.	B Shank Diameter	C Overall Length
14001	1/2" Dr. 5" Extension	0.89	0.62	5
14002	1/2" Dr. 10" Extension	0.89	0.62	10

Illustrations are for reference only and may not represent actual tool.

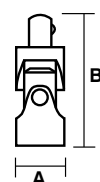
1/2" DRIVE ADAPTORS



Dimensions

Item No.	Description	A Outside Diameter	B Overall Length
14014	1/2" Dr. 1/2" x 3/8" Reducing Adaptor	0.87	1.38
14003	1/2" Dr. 1/2" x 3/4" Increasing Adaptor	0.98	1.87

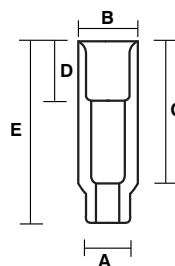
1/2" DRIVE UNIVERSAL JOINTS



Dimensions

Item No.	Description	A Outside Diameter	B Overall Length
14010	1/2" Dr. Universal Joint	1.01	2.78

1/2" DRIVE SPARK PLUG SOCKETS

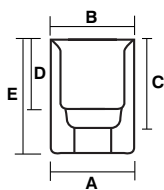


Dimensions

Item No.	Description	A Drive End Wrench Size	B Socket End Diameter	C Plug Clearance Depth	D Opening Depth	E Overall Length
14250	1/2" Dr. 13/16" Spark Plug Socket	0.67	0.9	1.93	1.65	1.51
14251	1/2" Dr. 5/8" Spark Plug Socket	0.93	1.1	2.12	1.81	2.75

Sockets, Ratchets & Accessories

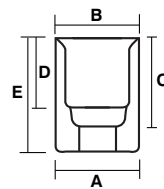
1/2" DRIVE 12 Pt. SAE STANDARD SOCKETS



Dimensions

Item No.	Description	A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
14200	1/2" Dr. 12 Pt. 7/16" Socket	0.87	0.67	0.86	0.55	1.49
14201	1/2" Dr. 12 Pt. 1/2" Socket	0.87	0.73	0.86	0.55	1.49
14202	1/2" Dr. 12 Pt. 9/16" Socket	0.87	0.81	0.86	0.57	1.49
14203	1/2" Dr. 12 Pt. 5/8" Socket	0.87	0.87	0.86	0.57	1.49
14204	1/2" Dr. 12 Pt. 11/16" Socket	0.95	0.95	0.86	0.59	1.49
14205	1/2" Dr. 12 Pt. 3/4" Socket	1.02	1.02	0.86	0.77	1.49
14206	1/2" Dr. 12 Pt. 13/16" Socket	1.10	1.10	0.86	0.77	1.49
14207	1/2" Dr. 12 Pt. 7/8" Socket	1.18	1.18	0.86	0.77	1.49
14208	1/2" Dr. 12 Pt. 15/16" Socket	1.26	1.26	0.90	0.81	1.49
14209	1/2" Dr. 12 Pt. 1" Socket	1.33	1.33	0.98	0.89	1.57
14210	1/2" Dr. 12 Pt. 1 1/16" Socket	1.41	1.41	0.98	0.89	1.57
14211	1/2" Dr. 12 Pt. 1 1/8" Socket	1.49	1.49	1.06	0.96	1.65
14212	1/2" Dr. 12 Pt. 1 1/4" Socket	1.65	1.65	1.06	0.96	1.65

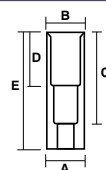
1/2" DRIVE 12 Pt. METRIC STANDARD SOCKETS



Dimensions

Item No.	Description	A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
14512	1/2"Dr. 12 Pt. 12mm Socket	0.87	0.70	0.86	0.55	1.49
14513	1/2"Dr. 12 Pt. 13mm Socket	0.87	0.80	0.86	0.55	1.49
14514	1/2"Dr. 12 Pt. 14mm Socket	0.87	0.80	0.86	0.57	1.49
14515	1/2"Dr. 12 Pt. 15mm Socket	0.87	0.87	0.86	0.57	1.49
14516	1/2"Dr. 12 Pt. 16mm Socket	0.87	0.87	0.86	0.57	1.49
14517	1/2"Dr. 12 Pt. 17mm Socket	0.94	0.94	0.86	0.59	1.49
14518	1/2"Dr. 12 Pt. 18mm Socket	0.98	0.98	0.86	0.59	1.49
14519	1/2"Dr. 12 Pt. 19mm Socket	1.02	1.02	0.86	0.77	1.49
14521	1/2"Dr. 12 Pt. 21mm Socket	1.10	1.10	0.86	0.77	1.49
14522	1/2"Dr. 12 Pt. 22mm Socket	1.18	1.18	0.86	0.77	1.49
14524	1/2"Dr. 12 Pt. 24mm Socket	1.26	1.26	0.90	0.81	1.49

1/2" DRIVE 12 Pt. SAE DEEP WALL SOCKETS

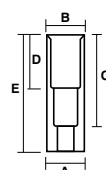


Dimensions



Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
14301	1/2" Dr. 12 Pt. DW 1/2" Socket	0.87	0.73	1.89	0.98	3.03
14302	1/2" Dr. 12 Pt. DW 9/16" Socket	0.87	0.81	2.28	1.06	3.03
14303	1/2" Dr. 12 Pt. DW 5/8" Socket	0.87	0.87	2.40	1.22	3.03
14304	1/2" Dr. 12 Pt. DW 11/16" Socket	0.94	0.94	2.40	1.34	3.03
14305	1/2" Dr. 12 Pt. DW 3/4" Socket	1.02	1.02	2.40	1.34	3.03
14306	1/2" Dr. 12 Pt. DW 13/16" Socket	1.09	1.09	2.40	1.34	3.03
14307	1/2" Dr. 12 Pt. DW 7/8" Socket	1.17	1.17	2.40	1.34	3.03
14308	1/2" Dr. 12 Pt. DW 15/16" Socket	1.25	1.25	2.40	1.34	3.03
14309	1/2" Dr. 12 Pt. DW 1" Socket	1.33	1.33	2.40	1.34	3.03
14310	1/2" Dr. 12 Pt. DW 1 1/16" Socket	1.41	1.41	2.40	1.34	3.03
14311	1/2" Dr. 12" Pt. DW 1 1/8" Socket	1.49	1.49	2.40	1.34	3.03
14312	1/2" Dr. 12 Pt. DW 1 1/4" Socket	1.65	1.65	2.40	1.34	3.03

1/2" DRIVE 12 Pt. METRIC DEEP WALL SOCKETS



Dimensions



Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
14712	1/2" Dr. 12" Pt. DW 12mm Socket	0.86	0.70	2.40	0.91	3.03
14713	1/2" Dr. 12" Pt. DW 13mm Socket	0.86	0.75	2.40	1.06	3.03
14714	1/2" Dr. 12" Pt. DW 14mm Socket	0.86	0.79	2.40	1.42	3.03
14715	1/2" Dr. 12" Pt. DW 15mm Socket	0.86	0.86	2.40	1.42	3.03
14716	1/2" Dr. 12" Pt. DW 16mm Socket	0.87	0.87	2.40	1.46	3.03
14717	1/2" Dr. 12" Pt. DW 17mm Socket	0.93	0.93	2.40	1.46	3.03
14718	1/2" Dr. 12" Pt. DW 18mm Socket	1.01	1.01	2.40	1.46	3.03
14719	1/2" Dr. 12" Pt. DW 19mm Socket	1.02	1.02	2.40	1.46	3.03
14721	1/2" Dr. 12" Pt. DW 21mm Socket	1.09	1.09	2.40	1.46	3.03
14722	1/2" Dr. 12" Pt. DW 22mm Socket	1.17	1.17	2.40	1.46	3.03
14724	1/2" Dr. 12" Pt. DW 24mm Socket	1.24	1.24	2.40	1.46	3.03

Sockets, Ratchets & Accessories

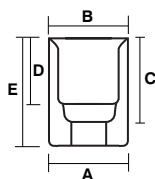
1/2" DRIVE SOCKET SETS



Item No. Description

19401	9 pc. 1/2" Dr. SAE Socket Set w/ Rail
19402	8 pc. 1/2" DR. SAE Deep Socket Set w/ Rail
19403	12 pc. 1/2" Dr. SAE Socket Set in Case
19404	16 pc. 1/2" Dr. SAE Socket Set in Case
19405	10 pc. 1/2" Dr. Metric Socket Set w/ Rail

1/2" DRIVE SAE STANDARD IMPACT SOCKETS



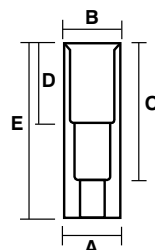
Item No.	Description	Dimensions				
		A	B	C	D	E
		Drive End Diameter	Socket End Diameter	Bolt Clearance Depth	Opening Depth	Overall Length
14601	1/2" Dr. 6 Pt. 1/2" Socket	0.98	0.80	1.10	0.39	1.50
14602	1/2" Dr. 6 Pt. 9/16" Socket	0.98	0.88	1.10	0.39	1.50
14603	1/2" Dr. 6 Pt. 5/8" Socket	0.98	0.98	1.06	0.43	1.50
14604	1/2" Dr. 6 Pt. 11/16" Socket	1.10	1.10	1.02	0.47	1.5
14605	1/2" Dr. 6 Pt. 3/4" Socket	1.18	1.18	1.10	0.51	1.61
14606	1/2" Dr. 6 Pt. 13/16" Socket	1.26	1.26	1.06	0.55	1.61
14607	1/2" Dr. 6 Pt. 7/8" Socket	1.34	1.34	1.06	0.55	1.61

Illustrations are for reference only and may not represent actual tool.

Torx® is a registered trademark of Camcar Division of Textron, Inc.

To avoid potential serious injury, never use Chrome plated sockets with power or impact tools.

1/2" DRIVE SAE DEEP WALL IMPACT SOCKETS



Dimensions

Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
14651	1/2" Dr. 6 Pt. DW 1/2" Socket	0.94	0.82	0.94	2.13	3.07
14652	1/2" Dr. 6 Pt. DW 9/16" Socket	0.94	0.94	1.37	1.70	3.07
14653	1/2" Dr. 6 Pt. DW 5/8" Socket	0.94	0.94	1.37	1.70	3.07
14654	1/2" Dr. 6 Pt. DW 11/16" Socket	1.02	1.02	1.37	1.70	3.07
14655	1/2" Dr. 6 Pt. DW 3/4" Socket	1.10	1.10	1.37	1.70	3.07
14656	1/2" Dr. 6 Pt. DW 13/16" Socket	1.18	1.18	1.37	1.70	3.07
14657	1/2" Dr. 6 Pt. DW 7/8" Socket	1.26	1.26	1.37	1.70	3.00

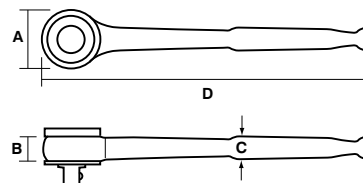
1/2" DRIVE IMPACT SOCKET SETS



Item No.	Description
19611	7Pc. 1/2"Dr. SAE Impact Socket Set w/ Rail
19612	7Pc. 1/2"Dr. SAE Deep Impact Socket Set w/ Rail

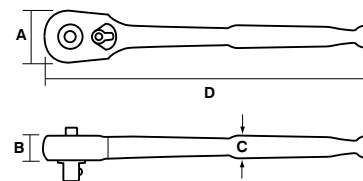
Sockets, Ratchets & Accessories

3/4" DRIVE RATCHETS



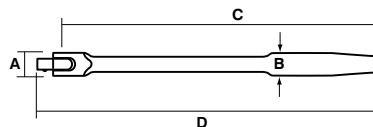
Dimensions

Item No.	Description	Head Type	Gear Teeth	A Head Diameter	B Head Thickness	C Handle Thickness	D Overall Length
16011	3/4" Dr. 20" Reversible Ratchet	Round	43	2.72	1.00	0.89	19.6



16012	3/4" Dr. 20" Heavy Duty Quick Release Ratchet	Sealed	24	2.50	1.18	0.95	19.6
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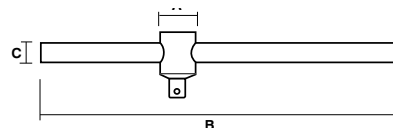
3/4" DRIVE FLEX HANDLES



Dimensions

Item No.	Description	A Head Width	B Handle Width	C Handle Length (at pivot)	D Overall Width
16015	3/4" Dr. 20" Flex Handle	0.57	0.89	18.11	18.70

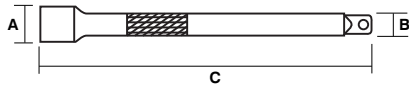
3/4" DRIVE SLIDING "T" HANDLES



Dimensions

Item No.	Description	A Head Diameter	B Handle Length	C Handle Diameter	D Handle Length
16013	3/4" Dr. 20" Sliding T Handle	1.46	2.36	0.89	16.73

3/4" DRIVE EXTENSIONS



Dimensions

Item No.	Description	A Internal Drive End O.D.	B Shank Diameter	C Overall Length
16000	3/4" Dr. 4" Extension	1.40	0.89	4.00
16001	3/4" Dr. 8" Extension	1.40	0.89	7.87
16002	3/4" Dr. 16" Extension	1.40	0.89	15.75

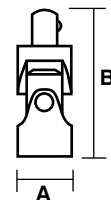
3/4" DRIVE ADAPTORS



Dimensions

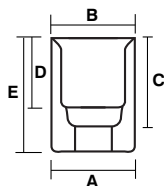
Item No.	Description	A Outside Diameter	B Overall Length
16014	3/4" Dr. 3/4" x 1/2" Reducing Adaptor	1.31	2.13

3/4" DRIVE UNIVERSAL JOINTS



Dimensions

Item No.	Description	A Outside Diameter	B Overall Length
16010	3/4" Dr. Universal Joint	1.57	4.29

3/4" DRIVE 12 Pt. STANDARD SOCKETS

Dimensions

Item No.	Description	A Drive End Diameter	B Socket End Diameter	C Bolt Clearance Depth	D Opening Depth	E Overall Length
16201	3/4" Dr. 12 Pt. 7/8" Socket	1.42	1.30	0.87	0.55	1.95
16202	3/4" Dr. 12 Pt. 15/16" Socket	1.42	1.38	0.87	0.63	1.95
16203	3/4" Dr. 12 Pt. 1" Socket	1.42	1.46	1.18	0.63	1.97
16204	3/4" Dr. 12 Pt. 1 1/16" Socket	1.42	1.50	1.18	0.87	2.05
16205	3/4" Dr. 12 Pt 1 1/8" Socket	1.50	1.57	1.18	0.87	2.05
16206	3/4" Dr. 12 Pt. 1 3/16" Socket	1.50	1.65	1.26	0.94	2.13
16207	3/4" Dr. 12 Pt. 1 1/4" Socket	1.50	1.73	1.30	0.94	2.20
16208	3/4" Dr. 12 Pt. 1 5/16" Socket	1.50	1.81	1.30	1.02	2.20
16209	3/4" Dr. 12 Pt. 1 3/8" Socket	1.65	1.89	1.38	1.02	2.28
16210	3/4" Dr. 12 Pt. 1 7/16" Socket	1.65	1.97	1.38	1.10	2.28
16211	3/4" Dr. 12 Pt. 1 1/2" Socket	1.77	2.05	1.42	1.10	2.40
16212	3/4" Dr. 12 Pt. 1 9/16" Socket	1.77	2.13	1.50	1.18	2.44
16213	3/4" Dr. 12 Pt. 1 5/8" Socket	1.77	2.20	1.57	1.18	2.52
16214	3/4" Dr. 12 Pt. 1 11/16" Socket	1.77	2.28	1.57	1.26	2.56
16215	3/4" Dr. 12 Pt. 1 3/4" Socket	1.89	2.36	1.57	1.26	2.60
16216	3/4" Dr. 12 Pt. 1 13/16" Socket	1.89	2.44	1.57	1.34	2.68
16217	3/4" Dr. 12 Pt. 1 7/8" Socket	1.89	2.52	1.65	1.34	2.76
16218	3/4" Dr. 12 Pt. 2" Socket	1.89	2.68	1.65	1.42	2.80

3/4" DRIVE SOCKET SETS

Item No.	Description
19601	21 pc. 3/4" Dr. SAE Socket Set in Case



Sockets, Ratchets & Accessories

3/4" DRIVE DISPLAY MERCHANDISE

- Sturdy wire formed displays require minimum space and provide a powerful selling tool.
- Pre-printed Item Numbers for easy set-up and re-order
- Attractive black background makes tools stand out
- Size: 24" x 24"
- Peg board mounting hardware included
(not recommended for hanging on peg board due to weight)

Item No. Description

16240	3/4" Dr. Display Merchandiser without Tools
16241	3/4" Dr. Display Merchandiser with Tools



Item No. 16241 contains 1 each of the following:

16000 3/4" Dr. 4" Extension	Ratchet	16209 3/4" Dr. 12 Pt. 1 3/8" Socket
16001 3/4" Dr. 8" Extension	16201 3/4" Dr. 12 Pt. 7/8" Socket	16210 3/4" Dr. 12 Pt. 1 7/16" Socket
16002 3/4" Dr. 16" Extension	16202 3/4" Dr. 12 Pt. 15/16" Socket	16211 3/4" Dr. 12 Pt. 1 1/2" Socket
16010 3/4" Dr. Universal Joint	16203 3/4" Dr. 12 Pt. 1" Socket	16212 3/4" Dr. 12 Pt. 1 9/16" Socket
16011 3/4" Dr. 20" Reversible Ratchet	16204 3/4" Dr. 12 Pt. 1 1/16" Socket	16213 3/4" Dr. 12 Pt. 1 5/8" Socket
16012 3/4" Dr. 20" Flex Handle	16205 3/4" Dr. 12 Pt 1 1/8" Socket	16214 3/4" Dr. 12 Pt. 1 11/16" Socket
16013 3/4" Dr. 20" Sliding T Handle	16206 3/4" Dr. 12 Pt. 1 3/16" Socket	16215 3/4" Dr. 12 Pt. 1 3/4" Socket
16014 3/4" Dr. 3/4" x 1/2" Reducer Adapter	16207 3/4" Dr. 12 Pt. 1 1/4" Socket	16216 3/4" Dr. 12 Pt. 1 13/16" Socket
16015 3/4" Dr. 20" Heavy Duty Quick Rel	16208 3/4" Dr. 12 Pt. 1 5/16" Socket	16217 3/4" Dr. 12 Pt. 1 7/8" Socket

SOCKET RAILS

Item No. Description

11917	1/4" Dr. Socket Rail – Green
11918	3/8" Dr. Socket Rail – Red
11919	1/2" Dr. Socket Rail – Blue
11920	3 Pc. 1/4", 3/8", 1/2" Dr. Socket Rail Se



Wrenches

Pro-Grade™ wrenches are built to stand up to the toughest work conditions.

Combination, Open End and Flare Nut styles are hot drop-forged from chrome vanadium alloy, then heat treated for optimum strength.

Box ends are precision broached and chamfered for a smooth, secure fit, and feature the *Dyna-Drive™* Torque System.

The broad, flat paneled beams are smooth edged, then nickel-chrome plated and polished to a mirror finish.

The result is a wrench that instantly conveys a message of exceptional quality and workmanship.



Dyna-Drive™ Torque System

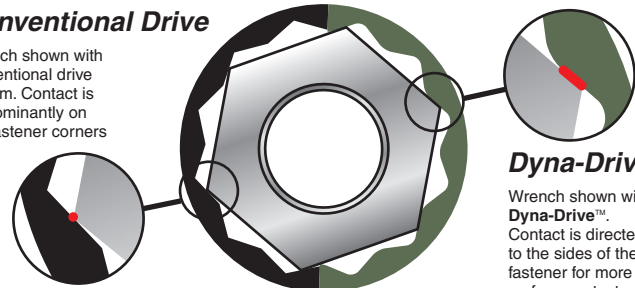
An exclusive feature on all Pro-Grade™ sockets and combination wrenches, the Dyna-Drive™ Torque System dramatically improves fastener driving performance when compared to conventional socket and wrench driving systems.

By re-designing the socket and wrench box-end interiors to grip the sides of the fastener rather than the corners (as in conventional tools) the contact surface area is substantially increased.

This allows the application of up to 20% more driving torque with no slippage or fastener damage. In addition, many fasteners with existing rounded corners can now be worked more easily.

Conventional Drive

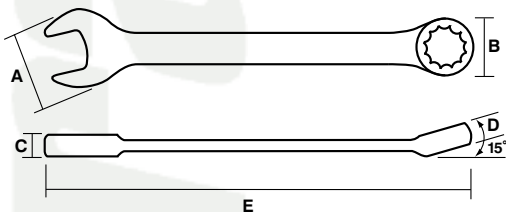
Wrench shown with conventional drive system. Contact is predominantly on the fastener corners



Dyna-Drive™

Wrench shown with Dyna-Drive™. Contact is directed to the sides of the fastener for more surface contact.

FULLY POLISHED SAE COMBINATION WRENCHES



Dimensions

Item No.	Description	A O.D. Open End	B O.D. Box End	C Thickness Open End	D Thickness Box End	E Overall Length
11000	1/4" Combination Wrench	0.53	0.42	0.15	0.20	5.02
11001	5/16" Combination Wrench	0.66	0.55	0.17	0.22	5.52
11002	3/8" Combination Wrench	0.80	0.60	0.20	0.26	6.27
11003	7/16" Combination Wrench	0.91	0.70	0.21	0.28	6.52
11004	1/2" Combination Wrench	1.07	0.79	0.24	0.33	7.02
11005	9/16" Combination Wrench	1.15	0.85	0.25	0.35	7.52
11006	5/8" Combination Wrench	1.32	0.96	0.28	0.39	8.21
11007	11/16" Combination Wrench	1.40	1.05	0.29	0.41	8.89
11008	3/4" Combination Wrench	1.56	1.12	0.33	0.45	9.76
11009	13/16" Combination Wrench	1.73	1.21	0.35	0.49	10.64
11010	7/8" Combination Wrench	1.81	1.27	0.37	0.51	11.52
11011	15/16" Combination Wrench	1.97	1.34	0.39	0.55	12.39
11012	1" Combination Wrench	2.06	1.42	0.41	0.57	13.16
11013	1 1/16" Combination Wrench	2.22	1.53	0.43	0.61	14.14
11014	1 1/8" Combination Wrench	2.47	1.69	0.47	0.67	15.85
11015	1 1/4" Combination Wrench	2.63	1.81	0.49	0.69	16.76
11016	1 5/16" Combination Wrench	2.94	2.00	0.72	0.91	18.50
11017	1 3/8" Combination Wrench	3.06	2.09	0.75	0.94	18.50
11018	1 7/16" Combination Wrench	3.19	2.20	0.81	0.95	20.10
11019	1 1/2" Combination Wrench	3.38	2.30	0.81	0.97	20.10

Illustrations are for reference only and may not represent actual tool.

FULLY POLISHED METRIC COMBINATION WRENCHES



Dimensions

Item No.	Description	A	B	C	D	E
		O.D. Open End	O.D. Box End	Thickness Open End	Thickness Box End	Overall Length
11207	7mm Combination Wrench	0.58	0.47	0.15	0.20	5.27
11208	8mm Combination Wrench	0.66	0.55	0.17	0.22	5.52
11209	9mm Combination Wrench	0.74	0.59	0.19	0.24	5.89
11210	10mm Combination Wrench	0.82	0.60	0.20	0.26	6.27
11211	11mm Combination Wrench	0.91	0.70	0.21	0.28	6.52
11212	12mm Combination Wrench	0.99	0.74	0.22	0.30	6.77
11213	13mm Combination Wrench	1.07	0.79	0.24	0.33	7.02
11214	14mm Combination Wrench	1.15	0.85	0.25	0.35	7.52
11215	15mm Combination Wrench	1.23	0.91	0.26	0.37	7.86
11216	16mm Combination Wrench	1.32	0.98	0.28	0.39	8.21
11217	17mm Combination Wrench	1.40	1.05	0.29	0.41	8.89
11218	18mm Combination Wrench	1.48	1.07	0.31	0.43	9.33
11219	19mm Combination Wrench	1.56	1.12	0.33	0.45	9.76
11220	20mm Combination Wrench	1.65	1.17	0.34	0.47	10.42
11221	21mm Combination Wrench	1.73	1.21	0.35	0.49	10.64
11222	22mm Combination Wrench	1.81	1.27	0.37	0.51	11.52
11223	23mm Combination Wrench	1.91	1.31	0.38	0.53	11.95
11224	24mm Combination Wrench	1.97	1.34	0.39	0.55	12.39

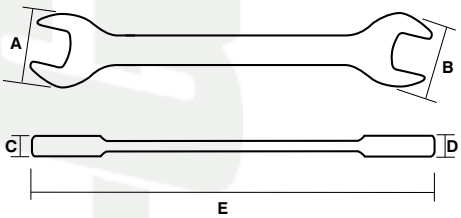
FULLY POLISHED COMBINATION WRENCH SETS



Item No. Description

19001	6 pc. SAE Combination Wrench Set w/ Rack
19002	11 pc. SAE Combination Wrench Set w/ Rack
19006	6 pc. Metric Combination Wrench Set w/ Rack
19007	11 pc. Metric Combination Wrench Set w/ Rack

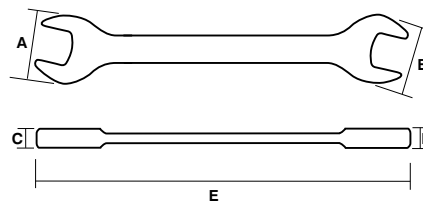
FULLY POLISHED SAE OPEN END WRENCHES



Dimensions

Item No.	Description	A	B	C	D	E
		O.D. Small End	O.D. Large End	Thickness Small End	Thickness Large End	Overall Length
11301	1/4" x 5/16" Open End Wrench	0.49	0.66	0.15	0.17	4.86
11302	3/8" x 7/16" Open End Wrench	0.82	0.91	0.20	0.21	5.87
11303	1/2" x 9/16" Open End Wrench	1.07	1.15	0.24	0.25	6.89
11304	9/16" x 11/16" Open End Wrench	1.15	1.40	0.29	0.29	7.87
11305	5/8" x 3/4" Open End Wrench	1.32	1.40	0.28	0.29	7.87
11306	13/16" x 7/8" Open End Wrench	1.73	1.81	0.35	0.37	9.93

FULLY POLISHED METRIC OPEN END WRENCHES



Dimensions

Item No.	Description	A O.D. Small End	B O.D. Large End	C Thickness Small End	D Thickness Large End	E Overall Length
11501	8 x 9mm Open End Wrench	0.66	0.74	0.17	0.19	5.37
11502	10 x 11mm Open End Wrench	0.82	0.91	0.20	0.21	5.87
11503	12 x 13mm Open End Wrench	0.99	1.07	0.22	0.24	6.38
11504	14 x 15mm Open End Wrench	1.15	1.23	0.25	0.26	7.40
11505	16 x 18mm Open End Wrench	1.40	1.48	0.28	0.29	7.90
11506	17 x 19mm Open End Wrench	1.40	1.56	0.29	0.33	8.92

FULLY POLISHED OPEN END WRENCH SETS

Item No. Description

- 19011 5 pc. SAE Open End Wrench Set
- 19012 5 pc. Metric Open End Wrench Set



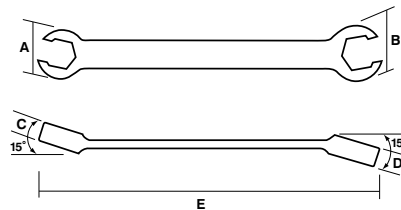
FULLY POLISHED SAE FLARE NUT WRENCHES



Dimensions

Item No.	Description	A O.D. Small End	B O.D. Large End	C Thickness Small End	D Thickness Large End	E Overall Length
11401	3/8" x 7/16 Flare Nut Wrench	0.76	0.87	0.32	0.35	5.98
11402	1/2" x 9/16" Flare Nut Wrench	0.98	1.03	0.39	0.41	7.04
11403	5/8" x 11/16" Flare Nut Wrench	1.08	1.20	0.44	0.48	7.61

FULLY POLISHED METRIC FLARE NUT WRENCHES



Dimensions

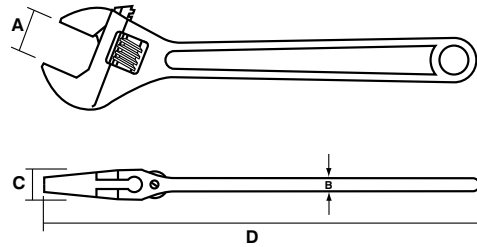
Item No.	Description	A O.D. Small End	B O.D. Large End	C Thickness Small End	D Thickness Large End	E Overall Length
11601	10 x 12mm Flare Nut Wrench	0.83	0.92	0.34	0.37	6.54
11602	13 x 14mm Flare Nut Wrench	0.98	1.03	0.39	0.41	7.04
11603	15 x 17mm Flare Nut Wrench	1.08	1.20	0.44	0.48	7.61

FULLY POLISHED FLARE NUT WRENCH SETS

Item No.	Description
19016	3 pc. SAE Flare Nut Wrench Set
19017	3 pc. Metric Flare Nut Wrench Set



ADJUSTABLE WRENCHES



- Drop-forged Chrome Vanadium alloy.
- Close tolerance jaw assembly and knurled thumb wheel.
- Laser etched SAE and Metric jaw calipers on sizes up to 12".

Dimensions

Item No.	Description	A Max. Jaw Opening	B Handle Thickness	C Head Thickness	D Overall Length
15004	4" Chrome Adjustable Wrench	0.50	0.35	0.38	4
15006	6" Chrome Adjustable Wrench	0.75	0.42	0.46	6
15008	8" Chrome Adjustable Wrench	0.94	0.47	0.58	8
15010	10" Chrome Adjustable Wrench	1.13	0.57	0.66	10
15012	12" Chrome Adjustable Wrench	1.32	0.60	0.81	12
15015	15" Chrome Adjustable Wrench	1.69	0.69	1.00	15
15018	18" Chrome Adjustable Wrench	2.06	0.75	1.21	18



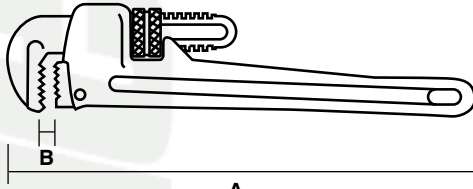
31030 12" Multi Tool Adjustable Wrench
with Low Profile Hammer

1.50	0.41	0.63	12
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The Pro-Grade™ 12" Multi-Tool Adjustable Wrench is a versatile and convenient enhancement to the standard adjustable wrench and features:

- Built-in, low profile hammer for light duty striking applications. Precisely positioned and designed not to impede the use of the wrench. The striking face is induction hardened for extra strength and durability.
- Laser etched 6" measuring scale on the handle and SAE & Metric jaw calipers.
- Drop-forged and heat treated Chrome Vanadium alloy.

PIPE WRENCHES – CAST IRON

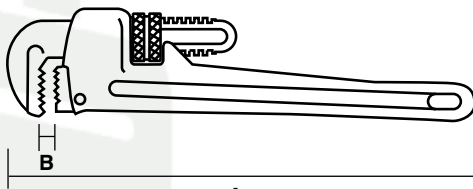


- Rugged, yet easy to handle
- Available in two models – cast iron or lightweight aluminum
- Spring loaded, drop-forged carbon steel jaws for quick, and powerful gripping.

Dimensions

Item No.	Description	A	B
		Size	Jaw Capacity
11708	8" Heavy Duty Pipe Wrench	8"	1 1/4"
11710	10" Heavy Duty Pipe Wrench	10"	1 3/4"
11714	14" Heavy Duty Pipe Wrench	14"	2 1/2"
11718	18" Heavy Duty Pipe Wrench	18"	3"
11724	24" Heavy Duty Pipe Wrench	24"	3 1/2"
11736	36" Heavy Duty Pipe Wrench	36"	5"

PIPE WRENCHES – ALUMINUM



Dimensions

Item No.	Description	A	B
		Size	Jaw Capacity
11814	14" Heavy Duty Pipe Wrench	2"	14"
11818	18" Heavy Duty Pipe Wrench	2 1/2"	18"
11824	24" Heavy Duty Pipe Wrench	3"	24"
11836	36" Heavy Duty Pipe Wrench	5"	36"

Pliers & Cutters

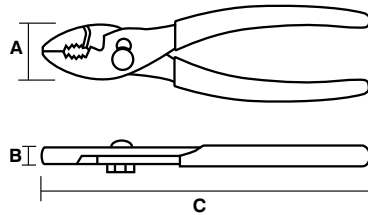
Pro-Grade™ offers a broad assortment of Pliers to fit most any application. Forged from premium chrome vanadium or chrome-nickel alloy, all teeth and grooves are milled to exacting tolerances.

Cutting edges are precisely honed and then induction hardened to provide long-lasting durability.

Double layer, matte cushion grips add comfort and help reduce fatigue, while at the same time minimizing slippage particularly under oily conditions.



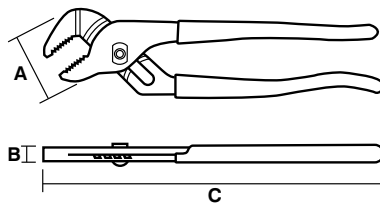
SLIP JOINT PLIERS



Dimensions

Item No.	Description	Max Jaw Opening	A Head Width	B Thickness (at Jaw)	C Overall Length
15106	6 1/2" Slip Joint Pliers	0.43	1.10	0.35	6.30
15108	8" Slip Joint Pliers	0.49	1.34	0.35	8.07
15110	10" Slip Joint Pliers	0.61	1.34	0.35	9.75

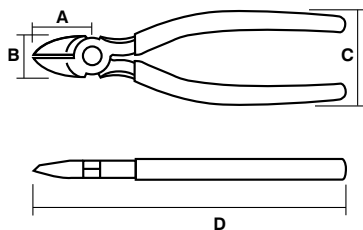
TONGUE & GROOVE PLIERS



Dimensions

Item No.	Description	Max Jaw Positions	Max Jaw Opening	A Head Width	B Thickness (at Jaw)	C Overall Length
15150	7 1/2" Tongue & Groove Pliers	5	1.25	0.87	0.29	7.80
15151	10" Tongue & Groove Pliers	7	1.77	1.10	0.33	10.12
15152	12" Tongue & Groove Pliers	7	2.60	1.45	0.35	12.48

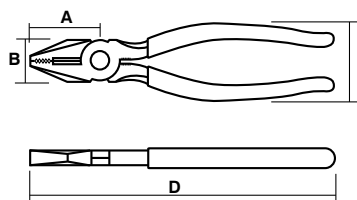
DIAGONAL CUTTING PLIERS



Dimensions

Item No.	Description	A Jaw Length (from Pivot Center)	B Head Width	C Width (Handle to Handle)	D Overall Length
15201	6 1/2" Diagonal Pliers	1.34	0.79	1.85	6.12
15202	7 1/2" Diagonal Pliers	1.30	1.06	1.77	7.17

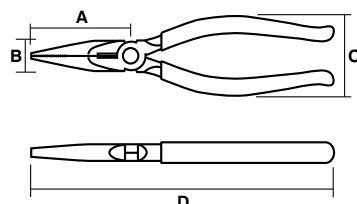
LINESMAN PLIERS



Dimensions

Item No.	Description	A Jaw Length (from Pivot Center)	B Head Width	C Width (Handle to Handle)	D Overall Length
15205	7" Linesman Pliers	1.85	0.86	1.73	7.4
15206	8" Linesman Pliers	2.01	1.17	1.73	8.0

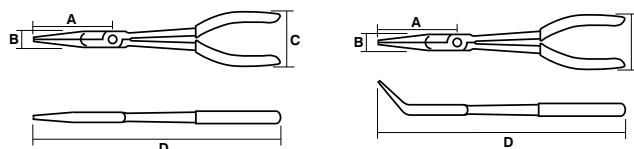
LONG NOSE PLIERS



Dimensions

Item No.	Description	A Jaw Length (from Pivot Center)	B Head Width	C Width (Handle to Handle)	D Overall Length
15210	6 1/2" Long Nose Pliers	2.36	0.72	1.77	6.18
15211	7 1/2" Long Nose Pliers	2.83	0.81	1.77	7.87

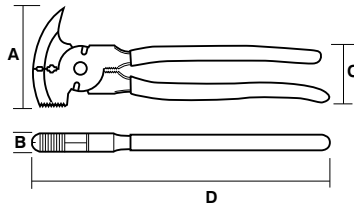
LONG REACH PLIERS



Dimensions

Item No.	Description	A Jaw Length (from Pivot Center)	B Head Width	C Width (Handle to Handle)	D Overall Length
15220	11" Straight Long Reach Pliers	3.54	0.67	2.24	11.0
15221	11" Bent Nose Long Reach Pliers	3.22	0.67	2.05	10.8

FENCE PLIERS

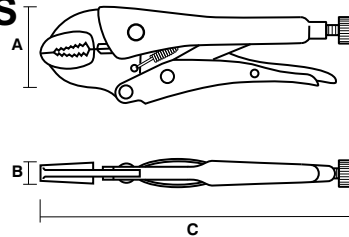


Dimensions

Item No.	Description	A Head Length (Face to Claw)	B Head Width	C Width (Handle to Handle)	D Overall Length
15411	10 1/2" Fence Pliers	2.75	0.50	1.75	10.25

LOCK GRIP PLIERS

- Drop forged Chromoly jaws
- Precision machined and hardened adjustment screw

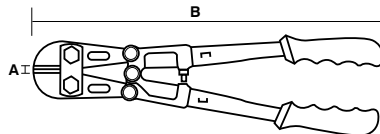


Dimensions

Item No.	Description	A Max Jaw Opening	B Jaw Width	C Overall Length
15230	5" Curve Jaw Lock Grip Pliers	1.10	0.26	5.51
15231	7" Curve Jaw Lock Grip Pliers	1.50	0.35	7.08
15232	10" Curve Jaw Lock Grip Pliers	1.85	0.39	8.66

BOLT CUTTERS

- Induction hardened, chrome-molybdenum cutting jaws
- Adjustable jaw cutting depth
- Extra long handles



Dimensions

Item No.	Description	A Cutting Capacity	B Overall Length
15408	8" Mini Bolt Cutter	1/8"	7.5"
15414	14" Heavy Duty Bolt Cutter	1/4"	13.4"
15418	18" Heavy Duty Bolt Cutter	5/16"	17.25"
15424	24" Heavy Duty Bolt Cutter	3/8"	23.25"
15430	30" Heavy Duty Bolt Cutter	1/2"	29.13"
15436	36" Heavy Duty Bolt Cutter	5/8"	35"

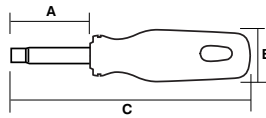
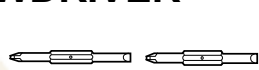
Screwdrivers

Pro-Grade™ Screwdrivers represent an example of what may be the perfect balance between form and function.

To start with, driver blades are milled from premium chrome vanadium alloy and then satin-chrome plated for peak corrosion resistance. Tips are precisely machined so they'll fit tightly into the fastener recess and resist "driver cam out".

The blades are then securely anchored into ergonomically contoured, oversize handles. What results is a screwdriver that accommodates maximum torque without sacrificing comfort or control.

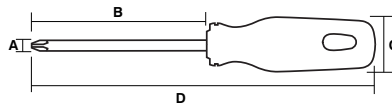
6 IN 1 SCREWDRIVER



Dimensions

Item No.	Description	A Blade Length	B Handle Diameter	C Overall Length
17100	6-in-1 Screwdriver	3"	1.5"	7.75"

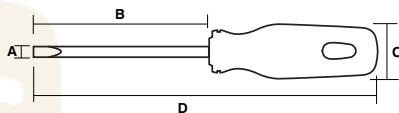
PHILLIPS BLADE SCREWDRIVERS



Dimensions

Item No.	Description	Tip Size	A Blade Diameter	B Blade Length	C Handle Diameter	D Overall Length
17004	#2 x 1 1/2" Stubby Phillips Screwdriver	#2	0.24	1.5	1.32	3.86
17001	#1 x 3" Phillips Screwdriver	#1	0.20	3	1.19	6.86
17002	#2 x 4" Phillips Screwdriver	#2	0.24	4	1.32	8.29
17003	#3 x 6" Phillips Screwdriver	#3	0.31	6	1.44	10.69
17005	#2 x 8" Phillips Screwdriver	#2	0.24	8	1.32	12.29

SLOTTED BLADE SCREWDRIVER[®]



Dimensions

Item No.	Description	Tip Size	A Blade Diameter	B Blade Length	C Handle Diameter	D Overall Length
17006	1/4" x 1 1/2" Stubby Screwdriver	0.04 x 1/4	0.24	1.5	1.32	3.86
17007	3/16" x 3" Round Cabinet Screwdriver	0.03 x 3/16	0.20	3	1.19	6.86
17008	3/16" x 4" Round Cabinet Screwdriver	0.03 x 1/4	0.20	4	1.19	7.86
17009	3/16" x 6" Round Cabinet Screwdriver	0.03 x 3/16	0.20	6	1.19	9.86
17010	1/4" x 4" Standard Screwdriver	0.04 x 1/4	0.24	4	1.32	8.29
17011	1/4" x 6" Standard Screwdriver	0.04 x 1/4	0.24	6	1.32	10.29
17012	1/4" x 8" Standard Screwdriver	0.04 x 1/4	0.24	8	1.32	12.29
17013	5/16" x 6" Standard Screwdriver	0.05 x 5/16	0.31	6	1.44	10.69

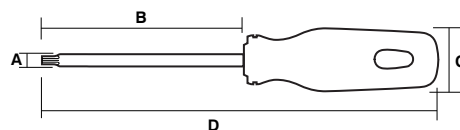
SCREWDRIVER SETS

Item No. Description

19104 6 pc. Screwdriver Set w/ Aluminum Rack



TORX® SCREWDRIVERS



- For use on Torx® style fasteners
- Chrome Vanadium Alloy blades for durability
- Ergonomically designed handles for extra torque and greater comfort

Dimensions

Item No.	Description	Tip Size	A Blade Width	B Blade Length	C Handle Diameter	D Overall Length
17210	T10 Torx® Screwdriver	T10	0.20	4	1.19	7.86
17215	T15 Torx® Screwdriver	T15	0.20	4	1.19	7.86
17220	T20 Torx® Screwdriver	T20	0.20	4	1.19	7.86
17225	T25 Torx® Screwdriver	T25	0.24	4	1.32	8.29
17227	T27 Torx® Screwdriver	T27	0.24	4	1.32	8.29
17230	T30 Torx® Screwdriver	T30	0.24	4	1.32	8.29

TORX® SCREWDRIVER SETS

Item No. Description

19101 5 pc. Torx® Screwdriver Set w/ Aluminum Rack



The Pro-Grade™ Professional Hand Tool program utilizes a state-of-the-art packaging system to ensure optimal space efficiency and flexible merchandising options.

At the same time, each tool's quality and workmanship is dramatically emphasized by allowing the customer to "get their hands on it" and feel for themselves.

All relevant information is delivered in a crisp, clutter-free format.

Sockets and accessories are color coded by drive size for quick and easy product selection.



**1/4
DRIVE**

**3/8
DRIVE**

**1/2
DRIVE**

**3/4
DRIVE**



Notes