

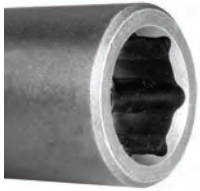


SOCKETS, UNIVERSAL WRENCHES, EXTENSIONS, AND ADAPTERS



// MACHINED FROM HIGH
CARBON ALLOY STEEL
AND DESIGNED TO MEET
OR EXCEED LICENSOR
STANDARDS, RESULTING
IN TIGHTER TOLERANCES
AND SUPERIOR PRODUCT
QUALITY & CONSISTENCY.

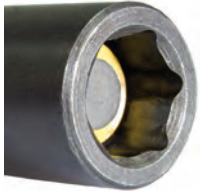
SOCKET TYPES



IMPACT SOCKETS



Industrial grade impact sockets are available in a wide range of lengths and wall thicknesses, and with single or double hex openings. Square openings are available in select sizes.

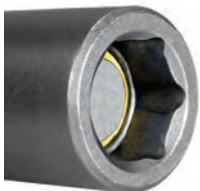


FIXED MAGNETIC IMPACT SOCKETS



M PREFIX

Magnetic sockets hold the fastener in driving position, even when working straight down. Time-wasting motions are eliminated when starting fasteners or working in hard-to-reach areas.



MAGNETIC BOLT CLEARANCE IMPACT SOCKETS



MB PREFIX

As the nut is run down, a spring-loaded or hollow cylinder magnet allows the bolt or stud to retract into the socket body. Nuts are held firmly in the socket.

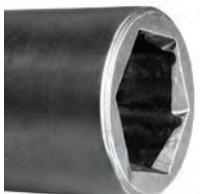


SURFACE DRIVE SOCKETS



SF PREFIX

Large openings on the six corners of the hex end opening create a “floating” action that allows the socket to slip quickly and easily onto the nut or bolt. Ideal for compensating for imperfect alignment between the tool and fastener. Not generally recommended for impact use.



FAST LEAD IMPACT SOCKETS



FL PREFIX

Designed for power tool and multiple spindle power tools, a specially tapered opening provides complete engagement with the nut almost instantly upon engagement. This speeds productivity and extends tool life. Engagement is possible without starting and stopping the tool for each nut.



EXTENSIONS & ADAPTERS

A wide range of accessories are available to adapt sockets to nearly every tool and application.

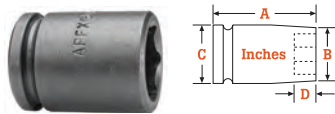


SQUARE DRIVE UNIVERSAL WRENCHES

Designed to provide access in hard-to-reach fastening applications.

1/4" SQUARE DRIVE SOCKETS, SAE

STANDARD LENGTH, 6 POINT AND DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
1105	-	5/32	7/8	1/4	1/2	3/32
1106	1106-D	3/16	7/8	5/16	1/2	3/32
1107	1107-D	7/32	7/8	3/8	1/2	5/32
1108	1108-D	1/4	7/8	3/8	1/2	5/32
X-1108*	-	1/4	7/8	3/8	1/2	5/32
HA-510	-	5/16	7/8	7/16	7/16	3/16
1109	1109-D	9/32	1	7/16	1/2	3/16
1110	1110-D	5/16	1	1/2	1/2	3/16
X-1110*	-	5/16	1	1/2	1/2	3/16
1111	1111-D	11/32	1	9/16	9/16	3/16
1112	1112-D	3/8	1	9/16	9/16	1/4
1113	-	13/32	1	5/8	5/8	1/4
1114	1114-D	7/16	1	5/8	5/8	9/32
1116	1116-D	1/2	1	11/16	11/16	11/32
1118	-	9/16	1	13/16	13/16	7/16
1120	-	5/8	1	7/8	7/8	7/16

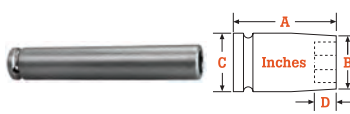
* Parts have a harder heat treat

LONG LENGTH, 6 POINT AND DOUBLE HEX



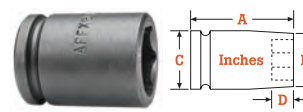
Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
1206	1206-D	3/16	1 3/4	5/16	1/2	3/32
1207	-	7/32	1 3/4	3/8	1/2	5/32
1208	1208-D	1/4	1 3/4	3/8	1/2	5/32
1209	1209-D	9/32	1 3/4	7/16	1/2	3/16
1210	1210-D	5/16	1 3/4	1/2	1/2	3/16
1211	-	11/32	1 3/4	9/16	9/16	3/16
1212	1212-D	3/8	1 3/4	9/16	9/16	1/4
1213	-	13/32	1 3/4	5/8	5/8	1/4
1214	-	7/16	1 3/4	5/8	5/8	9/32
1216	1216-D	1/2	1 3/4	11/16	11/16	11/32
1218	-	9/16	1 3/4	13/16	13/16	7/16

EXTRA LONG LENGTH, 6 POINT AND DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
1308	1308-D	1/4	3	3/8	1/2	5/32
1310	-	5/16	3	1/2	1/2	3/16
1311	1311-D	11/32	3	1/2	1/2	3/16
1312	-	3/8	3	9/16	9/16	1/4
1313	-	13/32	3	9/16	9/16	1/4
1314	-	7/16	3	5/8	5/8	9/32
1316	-	1/2	3	11/16	11/16	11/32
1318	-	9/16	3	13/16	13/16	7/16
1320	-	5/8	3	7/8	7/8	7/16

MAGNETIC, STANDARD LENGTH, 6 POINT



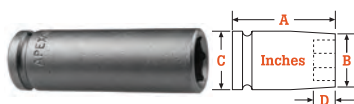
Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-1105	5/32	7/8	5/16	1/2	3/32
M-1106	3/16	7/8	5/16	1/2	3/32
M-1107	7/32	7/8	3/8	1/2	5/32
MX-1108*	1/4	7/8	3/8	1/2	5/32
M-1108-E*	1/4	7/8	3/8	1/2	5/32
MX-1108-E*	1/4	7/8	3/8	1/2	5/64
MHA-4108*	1/4	7/8	3/8	3/8	5/64
MHA-510**	5/16	7/8	7/16	7/16	1/8
MX-1109*	9/32	1	7/16	1/2	3/16
MHA-1310	5/16	1	7/16	1/2	1/8
M-1110	5/16	1	1/2	1/2	3/16
MX-1110*	5/16	1	1/2	1/2	3/16
MX-1111	11/32	1	1/2	1/2	3/16
M-1112*	3/8	1	9/16	9/16	1/4
MX-1112	3/8	1	9/16	9/16	1/4
M-1114	7/16	1	5/8	5/8	9/32
M-1116	1/2	1	11/16	11/16	11/32
M-1118	9/16	1	11/16	11/16	11/32

* Parts have a harder heat treat; MX-1108-E has no lead-in chamfer.

** No DIN groove

1/4" SQUARE DRIVE SOCKETS, SAE

MAGNETIC, LONG & EXTRA LONG LENGTH, 6 POINT



Part No. 6 Point	Part No. Bolt Clearance	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	MB-1206	3/16	1 3/4	5/16	1/2	5/32
M-1208	MB-1208	1/4	1 3/4	3/8	1/2	5/32
-	MB-1308	1/4	3	3/8	1/2	5/32
M-1209	MB-1209	9/32	1 3/4	7/16	1/2	3/16
M-1210	MB-1210	5/16	1 3/4	1/2	1/2	3/16
-	MB-1211	11/32	1 3/4	9/16	9/16	3/16
-	MB-1311	11/32	3	1/2	1/2	3/16
M-1212	MB-1212	3/8	1 3/4	9/16	9/16	1/4
-	MB-1312	3/8	3	9/16	9/16	1/4
M-1214	MB-1214	7/16	1 3/4	5/8	5/8	9/32
-	MB-1314	7/16	3	5/8	5/8	9/32
-	MB-1216	1/2	1 3/4	11/16	11/16	11/32
-	MB-1218	9/16	1 3/4	13/16	13/16	7/16

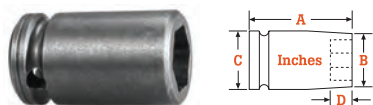
SURFACE DRIVE & FAST LEAD, STANDARD & LONG LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	FL-1108	1/4	7/8	3/8	1/2	5/32
-	FL-1212	3/8	1 3/4	9/16	9/16	1/4
-	FL-1109	9/32	7/8	3/8	1/2	5/32
-	FL-1110	5/16	1	1/2	1/2	3/16
SF-1112	FL-1112	3/8	1	9/16	9/16	1/4
-	FL-1114	7/16	1	5/8	5/8	9/32
-	FL-1214	7/16	1 3/4	5/8	5/8	9/32
SF-1116	FL-1116	1/2	1	11/16	11/16	11/32
-	FL-1216	1/2	1 3/4	11/16	11/16	11/32

1/4" SQ. DR. SOCKETS FOR SAE SHEET METAL SCREWS

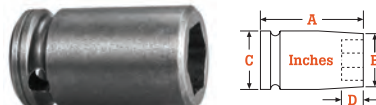
6 POINT & 6 POINT MAGNETIC, FOR PREDRILLED HOLES*



Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	M1E06	3/16	7/8	5/16	1/2	3/32
-	M1E07	7/32	7/8	3/8	1/2	5/32
1E08	M1E08	1/4	7/8	3/8	1/2	5/32
1E10	M1E10	5/16	7/8	1/2	1/2	3/16
-	M1E11	11/32	1	1/2	1/2	3/16
-	M1E12	3/8	1	5/8	5/8	1/4
-	M1E14	7/16	1	11/16	11/16	9/32
-	M1E16	1/2	1	11/16	11/16	11/32

*Sockets for predrilled holes are intermediate hardness.

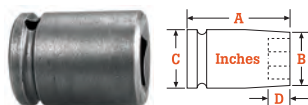
6 POINT & 6 POINT MAGNETIC, FOR SELF-DRILLING & TAPPING SCREWS*



Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
1P06	M1P06	3/16	7/8	5/16	1/2	3/32
1P07	M1P07	7/32	7/8	3/8	1/2	5/32
1P08	M1P08	1/4	7/8	7/16	1/2	5/32
-	M1P09	9/32	7/8	1/2	1/2	3/16
1P10	M1P10	5/16	7/8	1/2	1/2	3/16
1P11	M1P11	11/32	1	1/2	1/2	3/16
1P12	M1P12	3/8	1	5/8	5/8	1/4
1P14	M1P14	7/16	1	11/16	11/16	9/32
1P16	M1P16	1/2	1	11/16	11/16	11/32
-	M1A08	1/4	7/8	7/16	1/2	5/64

1/4" SQUARE DRIVE SOCKETS FOR SAE SQUARE NUTS

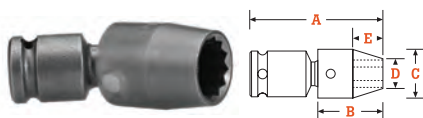
SINGLE SQUARE & DOUBLE SQUARE



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
1608	1608-D	1/4	1	1/2	1/2	3/16
1612	1612-D	3/8	1	3/4	3/4	1/4

1/4" SQUARE DRIVE UNIVERSAL WRENCHES, SAE

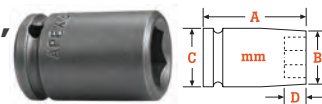
6 POINT AND DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-25	SA-25-D	1/4	1 7/32	3/4	5/8	3/8	3/8
SA-26	SA-26-D	5/16	1 17/32	3/4	5/8	7/16	3/8
SA-28	SA-28-D	3/8	1 19/32	13/16	5/8	17/32	7/16
SA-29	SA-29-D	7/16	1 21/32	7/8	5/8	5/8	1/2
SA-30	SA-30-D	1/2	1 21/32	7/8	11/16	11/16	1/2
SA-65	-	9/16	1 21/32	7/8	11/16	11/16	1/2

1/4" SQUARE DRIVE SOCKETS, METRIC

STANDARD LENGTH, 6 POINT AND DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
3.5MM11	-	3.5	22.2	6.4	12.7	2.4
4MM11	-	4	22.2	6.4	12.7	2.4
4.5MM11	-	4.5	22.2	7.9	12.7	2.4
5MM11	-	5	22.2	8.7	12.7	3.9
5.5MM11	-	5.5	22.2	9.5	12.7	3.9
6MM11	6MM11-D	6	22.2	9.5	12.7	3.9
7MM11	7MM11-D	7	22.2	11.1	12.7	4.8
8MM11	8MM11-D	8	25.4	12.7	12.7	4.8
9MM11	9MM11-D	9	25.4	14.3	14.3	4.8
10MM11	10MM11-D	10	25.4	15.9	15.9	6.4
OS-10MM11	-	10	25.4	14.3	14.3	6.4
11MM11	11MM11-D	11	25.4	15.9	15.9	7.2
12MM11	12MM11-D	12	25.4	17.5	17.5	7.2
13MM11	13MM11-D	13	25.4	19.1	19.1	8.7
14MM11	14MM11-D	14	25.4	20.6	20.6	11.1
15MM11	-	15	25.4	22.2	22.2	11.1
16MM11	-	16	25.4	22.2	22.2	11.1

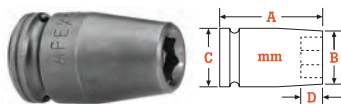
LONG LENGTH, 6 POINT AND DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
5MM21	-	5	44.4	8.7	12.7	3.9
5.5MM21	-	5.5	44.4	9.5	12.7	3.9
6MM21	-	6	44.4	9.5	12.7	3.9
7MM21	-	7	44.4	11.1	12.7	4.8
8MM21	8MM21-D	8	44.4	12.7	12.7	4.8
9MM21	9MM21-D	9	44.4	14.3	14.3	4.8
10MM21	10MM21-D	10	44.4	15.9	15.9	6.4
11MM21	-	11	44.4	15.9	15.9	7.2
12MM21	-	12	44.4	17.5	17.5	7.2
13MM21	13MM21-D	13	44.4	19.1	19.1	8.7
14MM21	-	14	44.4	20.6	20.6	11.1
15MM21	15mm21-D	15	50.8	22.2	22.2	11.1
16MM21	-	16	50.8	22.2	22.2	11.1

1/4" SQUARE DRIVE SOCKETS, METRIC

MAGNETIC, STANDARD LENGTH, 6 POINT



Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-5MM11	5	22.2	8.7	12.7	3.9
M-5.5MM11	5.5	22.2	9.5	12.7	3.9
M-6MM11	6	22.2	9.5	12.7	3.9
M-7MM11	7	22.2	11.9	12.7	4.8
MVA-20-7MM	7	22.2	10.5	10.5	4.8
M-8MM11	8	25.4	12.7	12.7	4.8
M-9MM11	9	25.4	14.3	14.3	4.8
M-10MM11	10	25.4	15.9	15.9	6.4
M-11MM11	11	25.4	15.9	15.9	7.2
M-12MM11	12	25.4	17.5	17.5	7.2
M-13MM11	13	25.4	19.1	19.1	8.7
M-14MM11	14	25.4	20.6	20.6	11.1
M-15MM11	15	25.4	22.2	22.2	11.1

MAGNETIC, LONG LENGTH, 6 POINT



Part No. Fixed Magnet	Part No. Magnetic Bolt Clearance	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
-	MB-5MM21	5	44.4	8.7	12.7	3.9
-	MB-5.5MM21	5.5	44.4	9.5	12.7	3.9
M-6MM21	MB-6MM21	6	44.4	9.5	12.7	3.9
M-7MM21	MB-7MM21	7	44.4	11.9	12.7	4.8
M-8MM21	MB-8MM21	8	44.4	12.7	12.7	4.8
M-9MM21	MB-9MM21	9	44.4	14.3	14.3	4.8
M-10MM21	MB-10MM21	10	44.4	15.9	15.9	6.4
-	OSMB-10MM21	10	44.4	14.2	14.2	6.4
M-11MM21	MB-11MM21	11	44.4	15.9	15.9	7.2
M-12MM21	MB-12MM21	12	44.4	17.5	17.5	7.2
M-13MM21	MB-13MM21	13	44.4	19.1	19.1	8.7
-	MB-14MM21	14	44.4	20.6	20.6	11.1
-	MB-15MM21	15	50.8	22.2	22.2	11.1
-	MB-16MM21	16	50.8	22.2	22.2	11.1

SURFACE DRIVE, STANDARD AND LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-8MM11	8	25.4	12.7	12.7	4.7
SF-10MM11	10	25.4	15.9	15.9	6.4
SF-10MM21	10	44.4	15.9	15.9	6.4
SF-12MM21	11	44.4	17.5	15.9	7.2
SF-13MM11	13	25.4	19.1	19.1	8.7
SF-13MM21	13	44.4	19.1	19.1	8.7
SF-15MM11	15	25.4	22.2	22.2	11.1

1/4" SQ. DR. SOCKETS FOR METRIC SHEET METAL SCREWS

6 POINT AND 6 POINT MAGNETIC

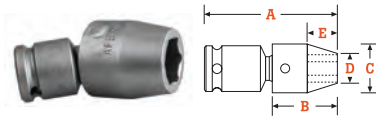


Part No. 6 Point	Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
3.5MME1	-	3.5	22.2	6.4	12.7	2.4
4MME1	M-4MME1	4	22.2	6.4	12.7	2.4
-	M-5MME1	5	22.2	8.7	12.7	3.9
5.5MME1	M-5.5MME1	5.5	22.2	9.5	12.7	3.9
6MME1	M-6MME1	6	22.2	9.5	12.7	3.9
7MME1	M-7MME1	7	22.2	11.1	12.7	4.8
-	MR-7MME1*	7	22.2	11.1	12.7	4.8
8MME1	M-8MME1	8	25.4	12.7	12.7	4.8
9MME1	M-9MME1	9	25.4	14.3	14.3	4.8
10MME1	M-10MME1	10	25.4	15.9	15.9	6.4
11MME1	M-11MME1	11	25.4	17.5	17.5	7.2
12MME1	M-12MME1	12	25.4	17.5	17.5	7.2
13MME1	M-13MME1	13	25.4	19.1	19.1	8.7

* MR-7MME1 has stronger magnet

1/4" SQUARE DRIVE UNIV. WRENCHES, METRIC

6 POINT

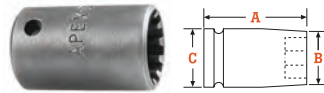


Part No. 6 Point	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-15-6M	6	31	19.1	15.9	9.5	9.5
SA-15-7M	7	31	19.1	15.9	10.3	9.5
SA-16-8M	8	38	19.1	19.1	11.1	7.9
SA-16-10M	10	40	20.6	19.1	15.1	9.5

Maximum operating angle when using Universal Wrench is 30 degrees.

1/4" SQUARE DR. SOCKETS FOR SPLINE FASTENERS

STANDARD AND LONG LENGTH



Part Number	Spline Size	Nominal Size IN.	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
CMS-1507	7	7/32	2 51	21/64 8	7/16 11
CMS-1408	8	1/4	7/8 22	3/8 10	7/16 11
CMS-1508	8	1/4	2 51	3/8 10	7/16 11
CMS-1409	9	9/32	7/8 22	7/16 11	7/16 11
CMS-1509	9	9/32	2 51	7/16 11	7/16 11
CMS-1410	10	5/16	7/8 22	29/64 12	29/64 12
CMS-1510	10	5/16	2 51	29/64 12	29/64 12
CMS-1412	12	3/8	7/8 22	17/32 14	17/32 14
CMS-1414	14	7/16	1 25	39/64 16	39/64 16

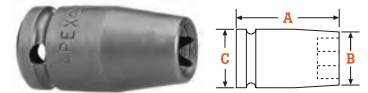


APEX SPLINE SOCKETS:

APEX Spline Sockets conform to military specifications MS-37787 and MIL-W-8982C.

1/4" SQUARE DRIVE TORX® SOCKETS

FOR EXTERNAL TORX SCREWS



Part Number	Part No. Fixed Magnet	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
TX-1104	—	E4	1 25.4	1/4 6.4	1/2 12.7
TX-1105	—	E5	1 25.4	1/4 6.4	1/2 12.7
TX-1106	—	E6	1 25.4	5/16 7.9	1/2 12.7
TX-1108	—	E8	1 25.4	3/8 9.5	1/2 12.7
TX-1110	MTX-1110	E10	1 25.4	9/16 14.3	9/16 14.3
TX-1112	—	E12	1 25.4	5/8 15.9	5/8 15.9

FOR EXTERNAL TORX SCREWS, THIN WALL



Part Number	Part No. Fixed Magnetic	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
TX-1404	—	E4	1 25.4	1/4 6.4	1/2 12.7
TX-1405	—	E5	1 25.4	1/4 6.4	1/2 12.7
—	MTX-1405	E5	7/8 22.2	1/4 6.4	7/16 11.1
TX-1406	—	E6	1 25.4	5/16 7.9	1/2 12.7
TX-1407	—	E7	1 25.4	5/16 7.9	1/2 12.7
TX-1408	—	E8	1 25.4	3/8 9.5	1/2 12.7
TX-1410	—	E10	1 25.4	1/2 12.7	1/2 12.7
TX-1411	—	E11	1 25.4	1/2 12.7	1/2 12.7
TX-1412	—	E12	1 25.4	9/16 14.3	9/16 14.3

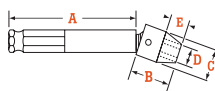
FOR TORX NUTS



Part Number	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
TX-1E05	E5	7/8 22.2	3/8 9.5	1/2 12.7
TX-1E06	E6	7/8 22.2	7/16 11.1	1/2 12.7
TX-1E08	E8	7/8 22.2	1/2 12.7	1/2 12.7

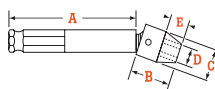
1/4" MALE HEX UNIVERSAL WRENCHES

SAE 6 POINT, STANDARD & TENSION TYPE – EXTENSION



Part Number	Part No. Tension	Hex Opening IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
KC-25-3	–	1/4	3	3/4	5/8	3/8	3/8
KC-25-4	–	1/4	4	3/4	5/8	3/8	3/8
KC-25-6	KS-25-6	1/4	6	3/4	5/8	3/8	3/8
KC-25-9	–	1/4	9	3/4	5/8	3/8	3/8
KC-25-12	–	1/4	12	3/4	5/8	3/8	3/8
KC-26-3	–	5/16	3	3/4	5/8	7/16	3/8
KC-26-6	KS-26-6	5/16	6	3/4	5/8	7/16	3/8
KC-26-9	–	5/16	9	3/4	5/8	7/16	3/8
KC-26-12	KS-26-12	5/16	12	3/4	5/8	7/16	3/8
–	KS-100-6	5/16	6	3/4	3/4	7/16	5/16
KC-27-3	–	11/32	3	3/4	5/8	1/2	3/8
KC-27-6	–	11/32	6	3/4	5/8	1/2	3/8
KC-28-3	–	3/8	3	13/16	5/8	9/16	7/16
KC-28-6	KS-28-6	3/8	6	13/16	5/8	9/16	7/16
KC-29-3	–	7/16	3	7/8	5/8	5/8	1/2
–	KS-28-12	3/8	12	13/16	5/8	9/16	7/16
–	KS-102-6	3/8	6	13/16	3/4	9/16	3/8
KC-29-6	KS-29-6	7/16	6	7/8	5/8	3/8	1/2
KC-30-3	–	1/2	3	7/8	11/16	11/16	1/2
KC-30-4	–	1/2	4	7/8	11/16	11/16	1/2
KC-30-6	KS-30-6	1/2	6	7/8	11/16	11/16	1/2
KC-30-9	–	1/2	9	7/8	11/16	11/16	1/2
KC-101-6	–	11/32	6	3/4	3/4	15/32	5/16
–	KS-104-6	1/2	6	1	3/4	3/4	9/16
KC-105-6	KS-105-6	9/16	6	1	13/16	13/16	9/16
–	KS-105-9	9/16	9	1	13/16	13/16	9/16

METRIC 6 POINT, STANDARD & TENSION TYPE – EXTENSION



Part Number	Part No. Tension	Hex Opening MM.	Shank Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
KC-5-7M-4	–	7	102	19.1	15.9	10.3	9.5
KC-5-7M-6	KS-5-7M-6	7	152	19.1	15.9	10.3	9.5
–	KS-5-7M-9	7	229	19.1	15.9	10.3	9.5
KC-6-8M-3	–	8	76	19.1	19.1	11.1	7.9
KC-6-8M-4	–	8	102	19.1	19.1	11.1	7.9
KC-6-8M-6	KS-6-8M-6	8	152	19.1	19.1	11.1	7.9
KC-6-8M-9	KS-6-8M-9	8	229	19.1	19.1	11.1	7.9
KC-6-9M-6	–	9	152	19.1	19.1	12.7	7.9
KC-6-10M-3	–	10	76	20.6	19.1	15.1	9.5
KC-6-10M-4	–	10	102	20.6	19.1	15.1	9.5
KC-6-10M-6	KS-6-10M-6	10	152	20.6	19.1	15.1	9.5
–	KS-6-10M-9	10	229	20.6	19.1	15.1	9.5
KC-6-10M-12	–	10	305	20.6	19.1	15.1	9.5
KC-7-11M-6	KS-7-11M-6	11	152	23.8	22.2	15.1	10.3
KC-7-12M-3	–	12	76	23.8	22.2	15.1	10.3
KC-7-12M-6	–	12	152	23.8	22.2	15.1	10.3
KC-7-12M-9	–	12	229	23.8	22.2	15.1	10.3
KC-7-13M-3	–	13	76	25.4	22.2	15.1	11.9
KC-7-13M-6	KS-7-13M-6	13	152	25.4	22.2	15.1	11.9
KC-7-13M-9	KS-7-13M-9	13	229	25.4	22.2	15.1	11.9



APEX UNIVERSAL WRENCHES & SOCKETS:

Meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

1/4" SQUARE DR. EXTENSIONS

7/8" TO 14"
LENGTH



Part Number	Male Square IN.	Type of Lock	Overall Length	
			IN.	MM.
EX-252	1/4	Pin	7/8	22
EX-252-B	1/4	Ball	7/8	25
EX-255-2	1/4	Pin	2	51
EX-255-B-2	1/4	Ball	2	51
EX-255-3	1/4	Pin	3	76
EX-255-4	1/4	Pin	4	102
EX-255-B-4	1/4	Ball	4	102
EX-255-6	1/4	Pin	6	152
EX-255-B-6	1/4	Ball	6	152
EX-255-8	1/4	Pin	8	203
EX-255-10	1/4	Pin	10	254
EX-255-12	1/4	Pin	12	305
EX-255-14	1/4	Pin	14	356

1/4" SQUARE DR. ADAPTERS

1/4" FEMALE SQ. TO
3/8" MALE SQ.



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length	
				IN.	MM.
EX-372	1/4	3/8	Pin	1	25.4
EX-372-B	1/4	3/8	Ball	1	25.4

1/4" SQUARE DRIVE UNIVERSAL ADAPTERS

FEMALE SQUARE TO
MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Largest Dia.		Overall Length	
				IN.	MM.	IN.	MM.
MF-25	1/4	1/4	Pin	5/8	16	15/8	41
MF-25-B	1/4	1/4	Ball	5/8	16	15/8	41

A

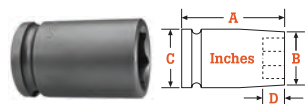
APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.



3/8" SQUARE DRIVE SOCKETS, SAE

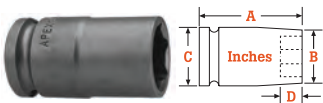
6 POINT & DOUBLE HEX, SHORT & STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
3108	3108-D	1/4	11/4	7/16	3/4	5/32
3109	3109-D	9/32	11/4	7/16	3/4	3/16
3010	-	5/16	7/8	1/2	3/4	3/16
3110	3110-D	5/16	11/4	1/2	3/4	3/16
3111	-	11/32	11/4	1/2	3/4	3/16
3012	3012-D	3/8	7/8	19/32	3/4	3/16
3112	3112-D	3/8	11/4	19/32	3/4	1/4
3113	3113-D	13/32	11/2	11/16	3/4	1/4
3014	3014-D	7/16	7/8	11/16	3/4	9/32
3114	3114-D	7/16	11/2	11/16	3/4	9/32
3016	3016-D	1/2	7/8	13/16	13/16	5/16
3116	3116-D	1/2	11/2	13/16	13/16	11/32
3117	-	17/32	11/2	13/16	13/16	11/32
3018	3018-D	9/16	7/8	7/8	7/8	5/16
3118	3118-D	9/16	11/2	7/8	7/8	7/16
3119	-	19/32	11/2	7/8	7/8	7/16
3020	3020-D	5/8	1	15/16	15/16	7/16
3120	3120-D	5/8	11/2	15/16	15/16	7/16
3022	3022-D	11/16	1	1	1	7/16
3122	-	11/16	11/2	1	1	7/16
3024	3024-D	3/4	1	11/16	11/16	7/16
3124	3124-D	3/4	11/2	11/16	11/16	15/32
3126	-	13/16	11/2	11/8	11/8	7/16
3028	3028-D	7/8	1	11/4	11/4	7/16
-	HC-3816*	1/2	11/2	11/16	11/16	11/32

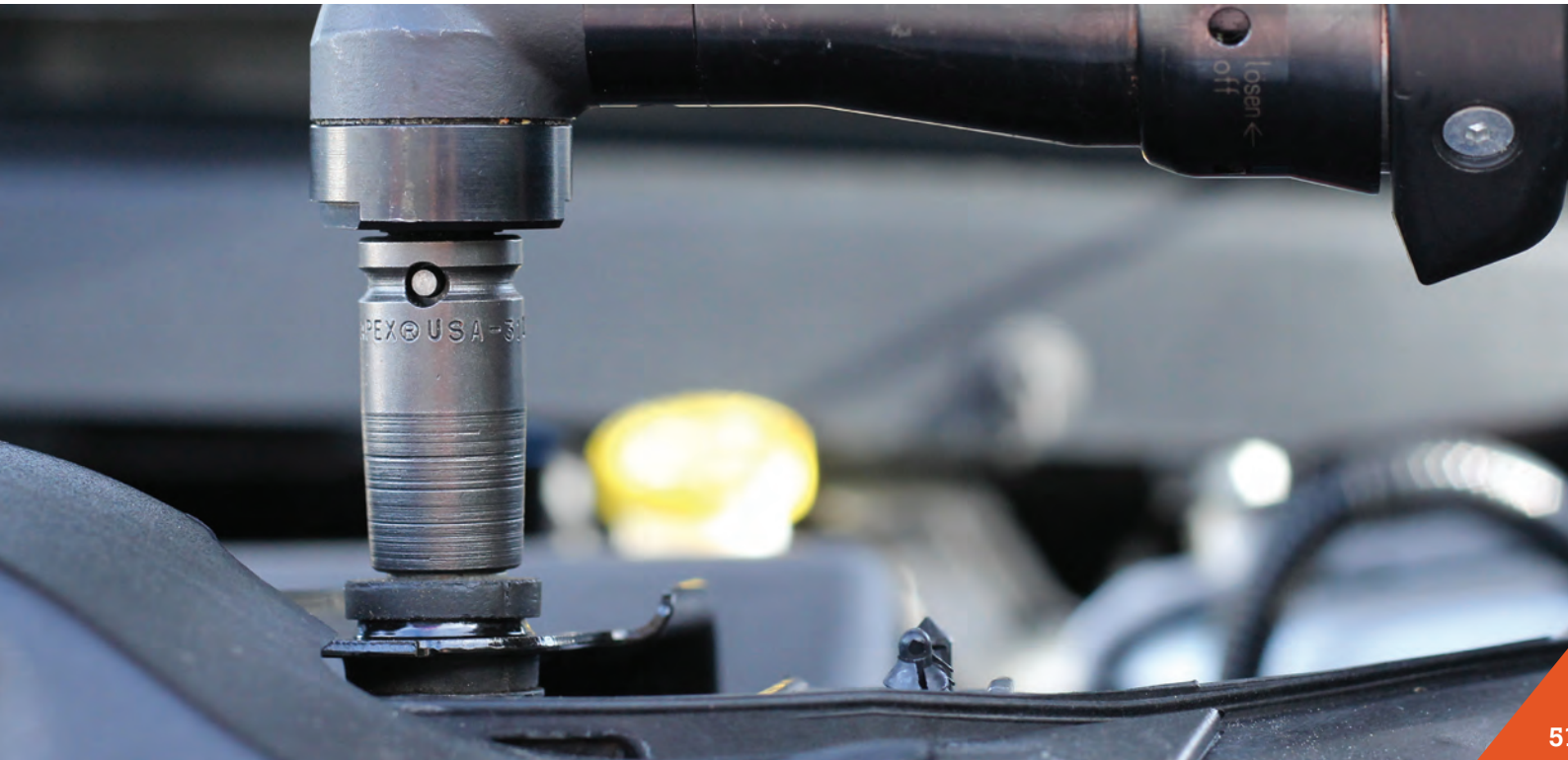
* No DIN groove

6 POINT & DOUBLE HEX, THIN WALL, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
3408	3408-D	1/4	11/4	7/16	3/4	5/32
3409	-	9/32	11/4	7/16	3/4	3/16
3410	3410-D	5/16	11/4	1/2	3/4	3/16
08-3410*	-	5/16	11/4	7/16	19/32	3/16
3412	3412-D	3/8	11/2	19/32	3/4	1/4
3414	3414-D	7/16	11/2	5/8	3/4	9/32
3416	3416-D	1/2	11/2	3/4	3/4	11/32
3418	3418-D	9/16	11/2	25/32	13/16	7/16
3420	3420-D	5/8	11/2	7/8	7/8	7/16
3424	3424-D	3/4	11/2	1	1	15/32
3426	-	13/16	11/2	11/8	11/8	17/32
3428	-	7/8	11/2	13/16	11/4	9/16
3430	3430-D	15/16	11/2	15/16	15/16	5/8
3432	-	1	11/2	13/8	13/8	5/8
3434	-	11/16	11/2	11/2	11/2	11/16

* No DIN groove



3/8" SQUARE DRIVE SOCKETS, SAE

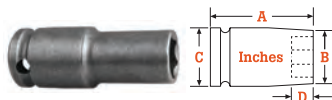
6 POINT & DOUBLE HEX, LONG AND EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
3208	3208-D	1/4	2	7/16	3/4	5/32
3308	-	1/4	3 1/2	7/16	3/4	5/32
3209	-	9/32	2	7/16	3/4	3/16
3210	3210-D	5/16	2	1/2	3/4	3/16
3310	3310-D	5/16	3 1/2	1/2	3/4	3/16
-	OS-3310-D*	5/16	3 1/2	15/32	5/8	3/16
3211	3211-D	11/32	2	1/2	3/4	3/16
3212	3212-D	3/8	2	19/32	3/4	1/4
3312	3312-D	3/8	3 1/2	19/32	3/4	1/4
3214	3214-D	7/16	2	11/16	3/4	9/32
3314	3314-D	7/16	3 1/2	11/16	3/4	9/32
3216	3216-D	1/2	2	13/16	13/16	11/32
3316	3316-D	1/2	3 1/2	13/16	13/16	11/32
3218	3218-D	9/16	2	7/8	7/8	7/16
3318	3318-D	9/16	3 1/2	7/8	7/8	7/16
3220	3220-D	5/8	2	15/16	15/16	7/16
3320	3320-D	5/8	3 1/2	15/16	15/16	7/16
3222	3222-D	11/16	2	1	1	7/16
3322	3322-D	11/16	3 1/2	1	1	7/16
3224	3224-D	3/4	2	11/16	1 1/16	15/32
3324	3324-D	3/4	3 1/2	11/16	11/16	15/32
3226	3226-D	13/16	2	1 1/4	1 1/4	17/32
3326	3326-D	13/16	3 1/2	1 1/4	1 1/4	17/32
3228	3228-D	7/8	2	1 1/4	1 1/4	9/16
3328	-	7/8	3 1/2	1 1/4	1 1/4	9/16

* No DIN groove

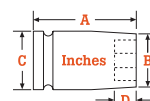
6 POINT & DOUBLE HEX, THIN WALL, LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
3510	-	5/16	2	1/2	3/4	3/16
-	HC-5310-D*	5/16	2	1/2	5/8	3/16
3511	-	11/32	2	1/2	3/4	3/16
3512	3512-D	3/8	2	19/32	3/4	1/4
3514	3514-D	7/16	2	5/8	3/4	9/32
3516	3516-D	1/2	2	3/4	3/4	11/32
3518	3518-D	9/16	2	25/32	13/16	7/16
3524	3524-D	3/4	2	1	1	15/32
3530	-	15/16	2	1 5/16	1 5/16	5/8
3532	-	1	2	1 3/8	1 3/8	5/8
3534	-	1 1/16	2	1 1/2	1 1/2	11/16

* No DIN groove

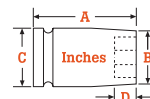
MAGNETIC, SHORT AND STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-3108	1/4	1 1/4	7/16	3/4	5/32
M-3109	9/32	1 1/4	7/16	3/4	3/16
M-3110	5/16	1 1/4	1/2	3/4	3/16
M-3012	3/8	7/8	19/32	3/4	3/16
M-3112	3/8	1 1/4	19/32	3/4	1/4
M-3014	7/16	7/8	11/16	3/4	9/32
M-3114	7/16	1 1/2	11/16	3/4	9/32
MSW-604	7/16	1 1/2	21/32	3/4	9/32
M-3016	1/2	7/8	13/16	13/16	5/16
M-3116	1/2	1 1/2	13/16	13/16	11/32
MHC-3816*	1/2	1 1/2	11/16	11/16	11/32
M-3018	9/16	7/8	7/8	7/8	5/16
M-3118	9/16	1 1/2	7/8	7/8	7/16
MSW-343	9/16	1 1/2	3/4	3/4	7/16
M-3120	5/8	1 1/2	15/16	15/16	7/16

* No DIN groove

MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-3408	1/4	1 1/4	7/16	3/4	5/32
M-3410	5/16	1 1/4	1/2	3/4	3/16
OSM-3410*	5/16	1 1/4	7/16	19/32	3/16
M-3411	11/32	1 1/4	1/2	3/4	3/16
M-3412	3/8	1 1/2	19/32	3/4	1/4
M-3414	7/16	1 1/2	5/8	3/4	9/32
OSM-3414*	7/16	1 1/2	5/8	5/8	9/32
M-3416	1/2	1 1/2	3/4	3/4	11/32
M-3418	9/16	1 1/2	25/32	13/16	7/16
M-3424	3/4	1 1/2	1	1	15/32
M-3426	13/16	1 1/2	1 1/8	1 1/8	17/32

* No DIN groove

3/8" SQUARE DRIVE SOCKETS, SAE

MAGNETIC, LONG LENGTH & EXTRA LONG LENGTH



Part No. Fixed Magnet	Part No. Mag Bolt Clearance	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	MB-3210	5/16	2	1/2	3/4	3/16
M-3212	MB-3212	3/8	2	19/32	3/4	1/4
M-3214	MB-3214	7/16	2	11/16	3/4	9/32
-	MB-3314	7/16	3 1/2	11/16	3/4	9/32
M-3216	MB-3216	1/2	2	13/16	13/16	11/32
M-3218	MB-3218	9/16	2	7/8	7/8	7/16
-	MB-3318	9/16	3 1/2	7/8	7/8	7/16
-	MB-3220	5/8	2	15/16	15/16	7/16

MAGNETIC, THIN WALL, LONG LENGTH



Part No. Fixed Magnet	Part No. Mag Bolt Clearance	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	MB-3512	3/8	2	19/32	3/4	1/4
M-3514	MB-3514	7/16	2	5/8	3/4	9/32
-	MB-3516	1/2	2	3/4	3/4	11/32

SURFACE DRIVE & FAST LEAD, SHORT AND STANDARD LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-3010	-	5/16	7/8	1/2	3/4	3/16
SF-3110	FL-3110	5/16	1 1/4	1/2	3/4	3/16
SF-3012	FL-3012	3/8	7/8	19/32	3/4	3/16
SF-3112	FL-3112	3/8	1 1/4	19/32	3/4	1/4
SF-3014	FL-3014	7/16	7/8	11/16	3/4	9/32
SF-3114	FL-3114	7/16	1 1/2	11/16	3/4	9/32
SF-3016	FL-3016	1/2	7/8	13/16	13/16	5/16
SF-3116	FL-3116	1/2	1 1/2	13/16	13/16	11/32
SF-3018	FL-3018	9/16	7/8	7/8	7/8	5/16
SF-3118	FL-3118	9/16	1 1/2	7/8	7/8	7/16
SF-3120	FL-3120	5/8	1 1/2	15/16	15/16	7/16
-	FL-3022	11/16	1	15/16	15/16	7/16
-	FL-3122	11/16	1 1/2	1	1	7/16
-	FL-3024	3/4	1	11/16	11/16	7/16
-	FL-3124	3/4	1 1/2	11/16	11/16	15/32

SURFACE DRIVE & FAST LEAD, THIN WALL, STANDARD LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-3412	FL-3412	3/8	1 1/2	19/32	3/4	1/4
SF-3414	FL-3414	7/16	1 1/2	5/8	3/4	9/32
SF-3416	-	1/2	1 1/2	3/4	3/4	11/32
SF-HC-3816	-	1/2	1 1/2	11/16	11/16	11/32
SF-3418	-	9/16	1 1/2	25/32	13/16	7/16
SF-3432	-	1	1 1/2	13/8	13/8	5/8

SURFACE DRIVE & FAST LEAD, LONG AND EXTRA LONG LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	FL-3210	5/16	2	1/2	3/4	3/16
SF-3212	FL-3212	3/8	2	19/32	3/4	1/4
-	FL-3312	3/8	3 1/2	19/32	3/4	1/4
SF-3214	FL-3214	7/16	2	11/16	3/4	9/32
SF-3314	FL-3314	7/16	3 1/2	11/16	3/4	9/32
SF-3216	FL-3216	1/2	2	13/16	13/16	11/32
SF-3316	FL-3316	1/2	3 1/2	13/16	13/16	11/32
SF-3218	FL-3218	9/16	2	7/8	7/8	7/16
SF-3318	FL-3318	9/16	3 1/2	7/8	7/8	7/16
-	FL-3220	5/8	2	15/16	15/16	7/16
SF-3320	FL-3320	5/8	3 1/2	15/16	15/16	7/16
SF-3224	-	3/4	2	11/16	11/16	15/32
SF-3324	FL-3324	3/4	3 1/2	11/16	11/16	15/32
-	FL-3326	13/16	3 1/2	1 1/4	1 1/4	17/32

SURFACE DRIVE, THIN WALL, LONG LENGTH

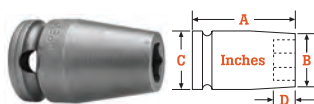


Part No. Surface Drive	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-3512	3/8	2	19/32	3/4	1/4
OSSF-3512*	3/8	2	19/32	19/32	1/4
SF-3514	7/16	2	5/8	3/4	9/32
OSSF-3514*	7/16	2	5/8	5/8	9/32
SF-3516	1/2	2	3/4	3/4	11/32
SF-3518	9/16	2	25/32	13/16	7/16

* No ring groove

3/8" SQ. DR. SOCKETS FOR SAE SHEET METAL SCREWS

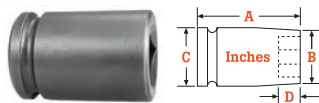
6 POINT & 6 POINT MAGNETIC, FOR PREDRILLED HOLES



Part No. Non Magnetic	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	M3E08	1/4	1 1/4	7/16	3/4	5/32
3E10	M3E10	5/16	1 1/4	1/2	3/4	3/16
3E11	-	11/32	1 1/4	1/2	3/4	3/16
3E12	M3E12	3/8	1 1/4	19/32	3/4	1/4
3E14	M3E14	7/16	1 1/4	11/16	3/4	9/32
3E16	M3E16	1/2	1 1/2	13/16	13/16	11/32
-	M3E18	9/16	1 1/2	7/8	7/8	7/16

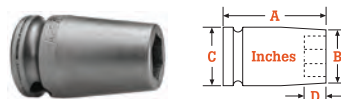
3/8" SQ. DR. SOCKETS FOR SAE SQUARE NUTS

SINGLE SQUARE & DOUBLE SQUARE



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
3607	-	7/32	1 1/2	7/16	3/4	3/16
3608	-	1/4	1 1/2	1/2	3/4	3/16
3609	3609-D	9/32	1 1/2	9/16	3/4	3/16
3610	3610-D	5/16	1 1/2	5/8	3/4	1/4
3612	3612-D	3/8	1 1/2	3/4	3/4	1/4
3614	3614-D	7/16	1 1/2	7/8	7/8	9/32
3616	3616-D	1/2	1 1/2	1	1	11/32
3618	3618-D	9/16	1 1/2	1	1	7/16
3620	-	5/8	1 1/2	1 1/8	1 1/8	7/16
3624	-	3/4	1 1/2	1 3/8	1 3/8	15/32

6 POINT & 6 POINT MAGNETIC, FOR SELF-TAPPING SCREWS*

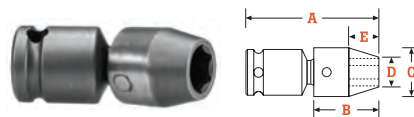


Part No. Non Magnetic	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	M3P06	3/16	1 1/4	5/16	3/4	3/32
-	M3P07	7/32	1 1/4	3/8	3/4	5/32
-	M3P08	1/4	1 1/4	7/16	3/4	5/32
3P10	M3P10	5/16	1 1/4	1/2	3/4	3/16
3P12	M3P12	3/8	1 1/4	5/8	3/4	1/4
3P14	M3P14	7/16	1 1/4	11/16	3/4	9/32
3P16	M3P16	1/2	1 1/2	13/16	13/16	11/32
-	M3P18	9/16	1 1/2	7/8	7/8	7/16

*Sockets for self-tapping screws are maximum hardness.

3/8" SQ. DR. UNIV. WRENCHES, SAE

6 POINT & DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-120	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-122	SA-122-D	3/8	1 57/64	13/16	3/4	9/16	3/8
SA-200	-	3/8	1 15/16	7/8	7/8	9/16	11/32
SA-123	SA-123-D	7/16	2 1/64	15/16	3/4	19/32	1/2
SA-201	-	7/16	2	15/16	7/8	5/8	13/32
SA-124	SA-124-D	1/2	2 5/64	1	3/4	3/4	9/16
SA-202	SA-202-D	1/2	2 1/16	1	7/8	11/16	15/32
SA-125	SA-125-D	9/16	2 1/8	1	13/16	13/16	9/16
SA-203	SA-203-D	9/16	2 1/16	1 1/16	7/8	3/4	17/32
SA-302	-	9/16	2 1/8	1 1/8	1	3/4	9/16
SA-205	SA-205-D	5/8	2 1/8	1 1/8	7/8	7/8	19/32
SA-305	-	1 1/16	2 5/16	1 1/4	1	1	11/16
SA-306	-	3/4	2 5/16	1 1/4	1 1/8	1 1/8	11/16

3/8" SQ. DR. SOCKET SETS, SAE

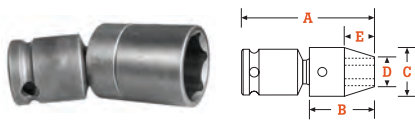
6 POINT



APS38	8 piece, standard length: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
APS38L	8 piece, long length: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

3/8" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE

6 POINT



Part Number	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-C-120	5/16	1.83	.75	.75	.44	.31
SA-C-122	3/8	1.89	.81	.75	.56	.38
SA-C-123	7/16	2.02	.94	.75	.59	.50
SA-C-124	1/2	2.08	1.0	.75	.75	.56
SA-C-205	5/8	2.13	1.13	.88	.88	.59
SA-C-305	11/16	2.31	1.25	1.00	1.00	.69
SA-C-306	3/4	2.31	1.25	1.13	1.13	.69

3/8" SQ. DR. UNIVERSAL WRENCH SET, SAE

6 POINT



APU37 7 piece, standard length: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4



APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

3/8" SQUARE DRIVE UNIV. WRENCHES, SAE – EXTENSION

6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
KA-43-6	KD-43-6	3/8	6	13/16	5/8	17/32	7/16
KA-44-3	–	7/16	3	7/8	5/8	5/8	1/2
KA-44-4	–	7/16	4	7/8	5/8	5/8	1/2
KA-44-6	KD-44-6	7/16	6	7/8	5/8	5/8	1/2
KA-103-6	KD-103-6	7/16	6	15/16	3/4	19/32	1/2
KA-45-3	–	1/2	3	7/8	5/8	11/16	1/2
KA-45-4	–	1/2	4	7/8	5/8	11/16	1/2
KA-45-6	KD-45-6	1/2	6	7/8	5/8	11/16	1/2
KA-45-9	–	1/2	9	7/8	5/8	11/16	1/2
KA-104-9	–	1/2	9	1	3/4	3/4	9/16
–	KD-104-12	1/2	12	1	3/4	3/4	9/16
KA-105-3	KD-105-3	9/16	3	1	3/4	13/16	9/16
KA-105-4	–	9/16	4	1	3/4	13/16	9/16
KA-105-6	KD-105-6	9/16	6	1	3/4	13/16	9/16
KA-105-9	–	9/16	9	1	3/4	13/16	9/16
KA-205-3	–	5/8	3	11/8	7/8	7/8	19/32
–	KD-205-6	5/8	6	11/8	7/8	7/8	19/32

3/8" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE-EXT.

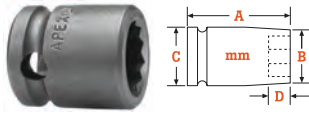
6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
KAW-C-43-6	KDW-C-43-6	3/8	6	13/16	5/8	17/32	7/16
KAW-C-44-6	KDW-C-44-6	7/16	6	7/8	5/8	5/8	1/2
KAW-C-45-6	KDW-C-45-6	1/2	6	7/8	5/8	11/16	1/2
–	KDW-C-104-3	1/2	3	1	3/4	3/4	9/16
KAW-C-104-9	–	1/2	9	1	3/4	3/4	9/16
–	KDW-C-104-12	1/2	12	1	3/4	3/4	9/16
KAW-C-105-6	KDW-C-105-6	9/16	6	1	3/4	13/16	9/16

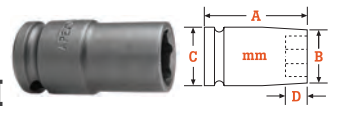
3/8" SQUARE DRIVE SOCKETS, METRIC

6 POINT & DOUBLE HEX, SHORT AND STANDARD LENGTH



Part No. 6 Pt.	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
6MM13	-	6	31.7	11.1	19.1	3.9
7MM03	-	7	22.2	11.1	19.1	3.0
7MM13	-	7	31.7	11.1	19.1	4.8
8MM03	-	8	22.2	12.7	19.1	4.8
8MM13	8MM13-D	8	31.7	12.7	19.1	4.8
9MM13	9MM13-D	9	31.7	15.1	19.1	4.8
10MM03	10MM03-D	10	22.2	16.8	19.1	6.4
10MM13	10MM13-D	10	31.7	16.8	19.1	6.4
11MM03	11MM03-D	11	22.2	17.5	19.1	7.2
11MM13	11MM13-D	11	31.7	17.5	19.1	7.2
12MM03	12MM03-D	12	22.2	19.1	19.1	7.2
12MM13	12MM13-D	12	38.1	19.1	19.1	7.2
13MM03	13MM03-D	13	22.2	20.6	20.6	7.9
13MM13	13MM13-D	13	38.1	20.6	20.6	8.7
14MM03	14MM03-D	14	22.2	22.2	22.2	7.9
14MM13	14MM13-D	14	38.1	22.2	22.2	11.1
15MM03	15MM03-D	15	23.8	22.2	22.2	9.5
15MM13	15MM13-D	15	38.1	22.2	22.2	11.1
16MM03	16MM03-D	16	25.4	23.8	23.8	11.1
16MM13	16MM13-D	16	38.1	23.8	23.8	11.1
17MM03	-	17	25.4	25.4	25.4	11.1
17MM13	17MM13-D	17	38.1	25.4	25.4	11.1
18MM03	-	18	25.4	25.4	25.4	11.1
18MM13	18MM13-D	18	38.1	25.4	25.4	11.1
19MM03	19MM03-D	19	25.4	28.6	28.6	11.1
19MM13	19MM13-D	19	38.1	28.6	28.6	11.9
20MM03	-	20	25.4	28.6	28.6	11.1
21MM03	-	21	25.4	31.7	31.7	11.1
21MM13	-	21	38.1	31.7	31.7	13.5
22MM03	-	22	25.4	31.7	31.7	11.1
22MM13	-	22	38.1	31.7	31.7	14.3

6 POINT & DOUBLE HEX, THIN WALL, STANDARD LENGTH



Part No. 6 Pt.	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
6MM43	-	6	31.7	9.5	19.1	3.9
7MM43	7MM43-D	7	31.7	11.1	19.1	4.8
OS-8MM13	-	8	31.7	11.7	15.7	4.8
8MM43	8MM43-D	8	31.7	12.7	19.1	4.8
9MM43	9MM43-D	9	31.7	12.7	19.1	4.8
10MM43	10MM43-D	10	31.7	15.1	19.1	6.4
-	VC-487-10MM-D	10	31.7	14.6	14.6	7.1
-	OS-10MM43-D	10	31.7	15	15	7.1
11MM43	-	11	38.1	15.9	19.1	7.2
12MM43	12MM43-D	12	38.1	17.5	19.1	7.2
13MM43	13MM43-D	13	38.1	19.1	19.1	8.7
14MM43	14MM43-D	14	38.1	19.8	20.6	11.1
15MM43	15MM43-D	15	38.1	20.6	20.6	11.1
16MM43	16MM43-D	16	38.1	22.2	22.2	11.1
17MM43	17MM43-D	17	38.1	23.8	23.8	11.1
18MM43	-	18	38.1	23.8	23.8	11.1
19MM43	19MM43-D	19	38.1	25.4	25.4	11.9

6 POINT & DOUBLE HEX, LONG & EXTRA LONG LENGTH

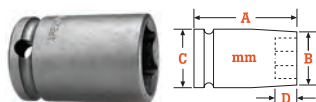


Part No. 6 Pt.	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
7MM23	-	7	50.8	11.1	19.1	4.8
8MM23	8MM23-D	8	50.8	12.7	19.1	4.8
9MM23	9MM23-D	9	50.8	15.1	19.1	4.8
10MM23	10MM23-D	10	50.8	16.8	19.1	6.4
OS-10MM23*	OS-10MM23-D*	10	50.8	14.2	15.9	6.4
10MM33	-	10	88.9	16.8	19.1	6.4
11MM23	11MM23-D	11	50.8	17.5	19.1	7.2
12MM23	12MM23-D	12	50.8	19.1	19.1	7.2
12MM33	-	12	88.9	19.1	19.1	7.1
13MM23	13MM23-D	13	50.8	20.6	20.6	8.7
13MM33	-	13	88.9	20.6	20.6	8.7
14MM23	14MM23-D	14	50.8	22.2	22.2	11.1
14MM33	-	14	88.9	22.1	22.1	11.1
15MM23	15MM23-D	15	50.8	22.2	22.2	11.1
15MM33	15MM33-D	15	88.9	22.2	22.2	11.1
16MM23	16MM23-D	16	50.8	23.8	23.8	11.1
17MM23	17MM23-D	17	50.8	25.4	25.4	11.1
18MM23	18MM23-D	18	50.8	25.4	25.4	11.1
19MM23	19MM23-D	19	50.8	28.6	28.6	11.9
21MM23	-	21	50.8	31.7	31.7	13.5
22MM23	-	22	50.8	31.7	31.7	14.3

* No DIN groove

3/8" SQUARE DRIVE SOCKETS, METRIC

MAGNETIC, SHORT & STANDARD LENGTH



Part No. Fixed Magnet	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-6MM13	-	6	31.8	11.1	19.1	3.9
M-7MM13	-	7	31.8	11.1	19.1	4.8
M-8MM13	-	8	31.8	12.7	19.1	4.8
M-9MM13	-	9	31.8	15.1	19.1	4.8
M-10MM03	-	10	22.2	16.8	19.1	6.4
M-10MM13	-	10	31.8	16.8	19.1	6.4
-	M-10MM13-D	10	31.8	16.8	19.1	3.8
OSM-10MM13	-	10	31.7	14.2	19.1	7.1
-	MVC-487-10MM-D	10	31.8	14.7	14.7	4.4
M-11MM03	-	11	22.2	17.5	19.1	7.2
M-11MM13	-	11	31.7	17.5	19.1	7.2
M-12MM03	-	12	22.2	19.1	19.1	7.2
M-12MM13	-	12	38.1	19.1	19.1	7.2
-	M-12MM13-D	12	38.1	19.1	19.1	5.1
M-13MM03	-	13	22.2	20.6	20.6	8.7
M-13MM13	-	13	38.1	20.6	20.6	8.7
MVC-693-13MM	-	13	50.8	19.1	19.1	5.9
M-14MM03	-	14	22.2	22.2	22.2	4.8
M-14MM13	-	14	38.1	22.2	22.2	11.1
M-15MM03	-	15	23.8	22.2	22.2	9.5
M-15MM13	-	15	38.1	22.2	22.2	11.1
M-16MM13	-	16	38.1	23.8	23.8	11.1
M-17MM13	-	17	38.1	25.4	25.4	11.1
M-18MM03	-	18	25.4	25.4	25.4	11.1
M-18MM13	-	18	38.1	25.4	25.4	11.1

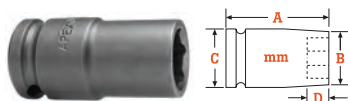
MAGNETIC, LONG & EXTRA LONG LENGTH



Part Number Magnetic	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
MB-6MM23	-	6	50.8	11.1	19.1	3.9
MB-7MM23	-	7	50.8	11.1	19.1	4.8
M-8MM23	-	8	50.8	12.7	19.1	4.8
MB-8MM23	-	8	50.8	12.7	19.1	4.8
OSMB-8MM23*	-	8	50.8	11.7	15.9	4.8
MB-9MM23	-	9	50.8	15.1	19.1	4.8
MB-10MM23	MB-10MM23-D	10	50.8	16.8	19.1	6.4
OSMB-10MM23*	OSMB-10MM23-D	10	50.8	14.2	15.9	6.4
MB-10MM33	-	10	88.9	16.8	19.1	6.4
MB-11MM23	-	11	50.8	17.5	19.1	7.2
MB-11MM33	-	11	88.9	17.5	19.1	8.0
MB-12MM23	MB-12MM23-D	12	50.8	19.1	19.1	7.2
MB-12MM33	-	12	88.9	19.1	19.1	8.0
M-13MM23	-	13	50.8	20.6	20.6	5.1
MB-13MM23	MB-13MM23-D	13	50.8	20.6	20.6	8.7
MB-13MM33	-	13	88.9	20.6	20.6	8.7
MB-14MM23	MB-14MM23-D	14	50.8	22.2	22.2	11.1
MB-14MM33	-	14	88.9	22.2	22.2	9.5
MB-15MM23	-	15	50.8	22.2	22.2	11.1
MB-15MM33	-	15	88.9	22.2	22.2	11.1
MB-16MM23	-	16	50.8	23.8	23.8	11.1
MB-17MM23	-	17	50.8	25.4	25.4	11.1
MB-18MM23	-	18	50.8	25.4	25.4	11.1

* No DIN groove

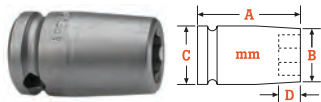
MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnetic	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-8MM43	-	8	31.7	12.7	19.1	4.8
M-10MM23	-	10	50.8	16.8	19.1	3.9
M-10MM43	-	10	31.7	15.1	19.1	6.4
-	OSM-10MM43-D	10	31.7	15	15	7.1
M-11MM43	-	11	38.1	15.9	19.1	7.2
M-12MM43	-	12	38.1	17.5	19.1	7.2
-	M-12MM43-D	12	38.1	17.5	19.1	7.9
M-13MM43	-	13	38.1	19.1	19.1	8.7
M-14MM43	-	14	38.1	19.8	20.6	11.1
M-15MM43	-	15	38.1	20.5	20.6	11.1

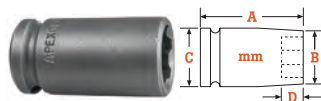
3/8" SQUARE DRIVE SOCKETS, METRIC

SURFACE DRIVE, SHORT AND STANDARD LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-8MM13	8	31.7	12.7	19.1	4.8
SF-10MM03	10	22.2	16.8	19.1	6.4
SF-10MM13	10	31.7	16.8	19.1	6.4
MSF-10MM13	10	31.8	16.7	19.1	3.8
SF-11MM13	11	31.7	17.5	19.1	7.2
SF-12MM03	12	22.2	19.1	19.1	7.2
SF-12MM13	12	38.1	19.1	19.1	7.2
SF-13MM03	13	22.2	20.6	20.6	8.7
SF-13MM13	13	38.1	20.6	20.6	8.7
SF-14MM13	14	38.1	22.2	22.2	11.1
SF-15MM03	15	23.8	22.2	22.2	11.1
SF-15MM13	15	38.1	22.2	22.2	11.1
SF-16MM13	16	38.1	23.8	23.8	11.1
SF-17MM03	17	25.4	25.4	25.4	11.1
SF-17MM13	17	38.1	25.4	25.4	11.1
SF-18MM13	18	38.1	25.4	25.4	11.1
SF-19MM13	18	38.1	28.6	28.6	11.9

SURFACE DRIVE, THIN WALL, STANDARD LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM43	10	31.7	15.1	19.1	6.4
OSSF-10MM43*	10	31.7	15.1	15.1	6.4
SF-11MM43	11	38.1	15.9	19.1	7.2
SF-12MM43	12	38.1	17.5	19.1	7.2
SF-13MM43	13	38.1	19.1	19.1	8.7
SF-15MM43	15	38.1	20.6	20.6	11.1
SF-17MM43	17	38.1	23.8	23.8	11.1
SF-18MM43	18	38.1	23.8	23.8	11.1
SF-19MM43	19	38.1	25.4	25.4	11.9

* No DIN groove

SURFACE DRIVE, LONG & EXTRA LONG LENGTH

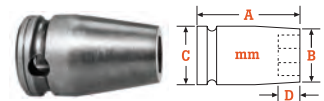


Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-8MM23	8	50.8	12.7	19.1	4.8
OSSF-8MM23*	8	50.8	11.9	15.9	4.8
SF-8MM33	8	88.9	11.9	19.1	4.7
SF-10MM23	10	50.8	16.8	19.1	6.4
OSSF-10MM23*	10	50.8	14.2	15.9	6.4
VCSF-836-10MM	10	123.7	15.0	19.1	7.1
VCSF-840-10MM	10	98.4	15.7	19.1	7.1
SF-10MM33	10	88.9	16.8	19.1	6.4
SF-11MM23	11	50.8	17.5	19.1	7.2
SF-12MM23	12	50.8	19.1	19.1	7.2
SF-13MM23	13	50.8	20.6	20.6	8.7
SF-13MM33	13	88.9	20.6	20.6	8.7
SF-15MM23	15	50.8	22.2	22.2	11.1
SF-15MM33	15	88.9	22.2	22.2	11.1
SF-17MM23	17	50.8	25.4	25.4	11.1
SF-18MM23	18	50.8	25.4	25.4	11.1
SF-19MM23	19	50.8	28.6	28.6	11.9

* No DIN groove

3/8" SQ. DR. SOCKETS FOR METRIC SHEET METAL SCREWS

6 POINT & 6 POINT MAGNETIC, FOR PREDRILLED HOLES



Part No. 6 Pt.	Part No. Magnetic	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
-	M-6MME3	6	31.7	11.1	19.1	3.9
-	M-7MME3	7	31.7	11.9	19.1	4.8
8MME3	M-8MME3	8	31.7	12.7	19.1	4.8
10MME3	M-10MME3	10	31.7	16.8	19.1	6.4
-	M-11MME3	11	31.7	17.5	19.1	7.2
13MME3	M-13MME3	13	38.1	20.6	20.6	8.7

3/8" SQUARE DRIVE SOCKET SETS, METRIC

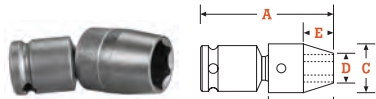
6 POINT



APS312M	12 piece, standard length: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm
APS312LM	12 piece, long length: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm

3/8" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC

6 POINT



Part No. 6 Pt.	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-C-36-10M	10	48	20.6	19.1	15.1	9.5
SA-C-37-12M	12	51	23.8	22.2	17.5	10.3
SA-C-37-13M	13	52	25.4	22.2	17.5	11.9
SA-C-37-14M	14	54	27.0	22.2	19.1	13.5
SA-C-38-15M	15	56	28.6	25.4	19.8	14.3
SA-C-38-17M	17	59	31.8	25.4	25.4	17.5
SA-C-38-18M	18	59	31.8	25.4	25.4	17.5

3/8" SQ. DR. UNIVERSAL WRENCH SET, METRIC

6 POINT



APU37M	7 piece, standard length: 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm
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3/8" SQ. DR. UNIV. WRENCHES, METRIC – EX.

6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open MM.	Shank Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
KA-6-10M-4	–	10	102	20.6	19.1	15.1	9.5
KA-6-10M-6	KD-6-10M-6	10	152	20.6	19.1	15.5	9.5
KA-6-10M-9	KD-6-10M-9	10	229	23.8	19.1	15.5	9.5
–	KD-6-10M-12	10	305	20.6	19.1	15.5	9.3
–	KD-7-11M-6	11	152	23.8	22.2	15.9	10.3
KA-7-11M-12	KD-7-11M-12	11	305	23.8	22.2	15.9	10.3
KA-7-12M-4	–	12	102	23.8	22.2	17.5	10.3
KA-7-12M-6	KD-7-12M-6	12	152	23.8	22.2	17.5	10.3
KA-7-12M-9	KD-7-12M-9	12	229	25.4	22.2	17.5	10.3
KA-7-12M-12	KD-7-12M-12	12	305	23.8	22.2	17.5	10.3
KA-7-13M-3	–	13	76	25.4	22.2	17.5	11.9
KA-7-13M-4	–	13	102	25.4	22.2	17.5	11.9
KA-7-13M-6	KD-7-13M-6	13	152	25.4	22.2	17.5	11.9
KA-7-13M-9	KD-7-13M-9	13	229	27.0	22.2	17.5	11.9
KA-7-13M-12	KD-7-13M-12	13	305	25.4	22.2	17.5	11.9
KA-7-14M-6	KD-7-14M-6	14	152	27	22.2	19.1	13.5
–	KD-7-14M-9	14	152	27.0	22.2	19.1	13.5
–	KD-7-14M-12	14	229	28.6	22.2	19.1	13.5
–	–	14	305	27.0	22.2	19.1	13.5
KA-8-15M-3	–	15	76	28.6	25.4	19.8	14.3
–	KD-8-15M-6	15	152	28.6	25.4	19.8	14.3
KA-8-15M-9	KD-8-15M-9	15	229	20.6	25.4	19.8	14.3
KA-8-15M-12	KD-8-15M-12	15	305	28.6	25.4	19.8	14.3

3/8" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC – EXT.

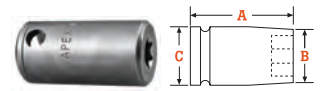
6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open MM.	OAL (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
KAW-C-6-10M-6	KDW-C-6-10M-6	10	152	20.6	19.1	15.5	9.5
KAW-C-6-10M-9	KDW-C-6-10M-9	10	229	20.6	19.1	15.5	9.5
KAW-C-7-12M-6	KDW-C-7-12M-6	12	152	23.8	22.2	17.5	10.3
KAW-C-7-12M-12	KDW-C-7-12M-12	12	305	23.8	22.2	17.5	10.3
–	KDW-C-7-13M-3	13	76	25.4	22.2	17.5	11.9
KAW-C-7-13M-6	KDW-C-7-13M-6	13	152	25.4	22.2	17.5	11.9
KAW-C-7-13M-12	KDW-C-7-13M-12	13	305	25.4	22.2	17.5	11.9
KAW-C-7-14M-6	KDW-C-7-14M-6	14	152	27.0	22.2	19.1	13.5
KAW-C-8-15M-9	KDW-C-8-15M-9	15	229	28.6	25.4	19.8	14.3

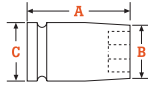
3/8" SQ. DR. SOCKETS FOR SPLINE FASTENERS

FOR TORX NUTS



Part No.	Driver Size	Overall Length (A)		Nose End Dia. (B)		Drive End Dia. (C)	
		IN.	MM.	IN.	MM.	IN.	MM.
TX-3E08	E-8	1 1/4	32	5/8	16	5/8	16
TX-3E10	E-10	1 1/4	32	5/8	16	5/8	16

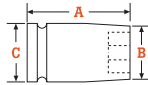
STANDARD AND LONG LENGTH



Part No.	Spline Size	Nominal Size	Overall Length (A)		Nose End Dia. (B)		Drive End Dia. (C)	
			IN.	MM.	IN.	MM.	IN.	MM.
CMS-3412	12	3/8	1	25	17/32	14	21/32	17
CMS-3512	12	3/8	2 1/8	54	17/32	14	21/32	17
CMS-3414	14	7/16	1 1/16	27	5/8	16	11/16	18
CMS-3416	16	1/2	1 1/16	27	23/32	18	23/32	18
CMS-3418	18	9/16	1 1/16	27	13/16	21	13/16	21
CMS-3518	18	9/16	2 3/8	60	13/16	21	13/16	21
CMS-3420	20	5/8	1 3/16	30	7/8	22	7/8	22

3/8" SQ. DR. TORX® SOCKETS

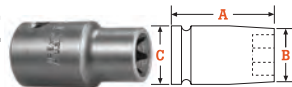
FOR EXTERNAL TORX SCREWS



Part No.	Driver Size	Overall Length (A)		Nose End Dia. (B)		Drive End Dia. (C)	
		IN.	MM.	IN.	MM.	IN.	MM.
TX-3106	E-6	1 1/4	32	3/8	10	3/4	19
TX-3107	E-7	1 1/4	32	3/8	10	3/4	19
TX-3108	E-8	1 1/4	32	7/16	11	3/4	19
TX-3110	E-10	1 1/4	32	1/2	13	3/4	19
TX-3112	E-12	1 1/4	32	5/8	16	3/4	19
MTX-3112*	E-12	1 1/4	32	5/8	16	3/4	19
TX-3114	E-14	1 1/4	32	11/16	18	3/4	19
TX-3116	E-16	1 1/4	32	13/16	21	13/16	21

* Magnetic

FOR EXTERNAL TORX SCREWS, THIN WALL



Part No.	Driver Size	Overall Length (A)		Nose End Dia. (B)		Drive End Dia. (C)	
		IN.	MM.	IN.	MM.	IN.	MM.
TX-3406	E-6	1 1/4	32	5/16	8	5/8	16
TX-3407	E-7	1 1/4	32	11/32	9	5/8	16
TX-3408	E-8	1 1/4	32	3/8	10	5/8	16
TX-3508	E-8	2	51	3/8	10	5/8	16
TX-3410	E-10	1 1/4	32	1/2	13	5/8	16
MTX-3410*	E-10	1 1/4	32	3/8	10	5/8	16
TX-3412	E-12	1 1/4	32	9/16	14	5/8	16
MTX-3412*	E-12	1 1/4	32	9/16	14	5/8	16
TX-3414	E-14	1 1/4	32	5/8	16	3/4	19
MTX-3414*	E-14	1 1/4	32	5/8	16	3/4	19

* Magnetic

3/8" SQ. DR. EXTENSIONS

1 1/4" TO 18" LENGTH



Part No.	Male Square IN.	Type of Lock	Overall Length	
			IN.	MM.
EX-374	3/8	Pin	13/8	34
EX-374-B	3/8	Ball	13/8	34
EX-376-2	3/8	Pin	2	21
EX-376-B-2	3/8	Ball	2	51
EX-376-3	3/8	Pin	3	76
EX-376-B-3	3/8	Ball	3	76
EX-376-4	3/8	Pin	4	102
EX-376-B-4	3/8	Ball	4	102
EX-376-5	3/8	Pin	5	127
EX-376-B-5	3/8	Ball	5	127
EX-376-6	3/8	Pin	6	152
EX-376-B-6	3/8	Ball	6	152
EX-376-8	3/8	Pin	8	203
EX-376-B-8	3/8	Ball	8	203
EX-376-9	3/8	Pin	9	229
EX-376-B-9	3/8	Ball	9	229
EX-376-10	3/8	Pin	10	254
EX-376-B-10	3/8	Ball	10	254
EX-376-12	3/8	Pin	12	305
EX-376-B-12	3/8	Ball	11	305
EX-376-15	3/8	Pin	15	381
EX-376-B-15	3/8	Ball	15	381
EX-376-18	3/8	Pin	18	457

3/8" SQ. DR. ADAPTERS

1/4" TO 3/4" MALE SQUARE



Part No.	Female Square IN.	Male Square IN.	Type of Lock	Overall Length	
				IN.	MM.
EX-254	3/8	1/4	Pin	1 1/4	32
EX-254-B	3/8	1/4	Ball	1 1/4	32
EX-257-2	3/8	1/4	Pin	2	51
EX-257-B-2	3/8	1/4	Ball	2	51
EX-257-3	3/8	1/4	Pin	3	76
EX-257-B-3	3/8	1/4	Ball	3	76
EX-257-4	3/8	1/4	Pin	4	102
EX-257-B-4	3/8	1/4	Ball	4	102
EX-257-5	3/8	1/4	Pin	5	127
EX-257-B-5	3/8	1/4	Ball	5	127
EX-257-6	3/8	1/4	Pin	6	152
EX-257-B-6	3/8	1/4	Ball	6	152
EX-257-8	3/8	1/4	Pin	8	203
EX-257-11	3/8	1/4	Pin	11	279
EX-503	3/8	1/2	Pin	1 1/2	38
EX-503-B	3/8	1/2	Ball	1 1/2	38
EX-507-2	3/8	1/2	Pin	2	51
EX-507-3	3/8	1/2	Pin	3	76
EX-507-B-3	3/8	1/2	Ball	3	76
EX-507-4	3/8	1/2	Pin	4	102
EX-507-B-4	3/8	1/2	Ball	4	102
EX-507-6	3/8	1/2	Pin	6	152
EX-507-B-6	3/8	1/2	Ball	6	152
EX-622	3/8	5/8	Pin	1 1/2	38
EX-750	3/8	3/4	7/32 Drill Hole	1 1/2	38
EX-750-B	3/8	3/4	Ball	1 1/2	38

3/8" SQ. DR. UNIV. ADAPTERS

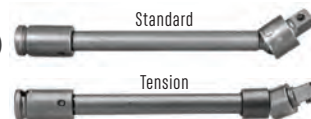
FEMALE SQUARE TO MALE SQUARE



Part No.	Female Square IN.	Male Square IN.	Type of Lock	Overall Length		Largest Dia.	
				IN.	MM.	IN.	MM.
MF-27	3/8	1/4	Pin	1 5/16	49	3/4	19
MF-27-B	3/8	1/4	Ball	1 5/16	49	3/4	19
MF-37	3/8	3/8	Pin	2 1/8	54	3/4	19
MF-37-B	3/8	3/8	Ball	2 1/8	54	3/4	19
MF-38-B	3/8	3/8	Ball	2 1/2	64	7/8	22

3/8" SQ. DR. UNIVERSAL ADAPTERS – EXT.

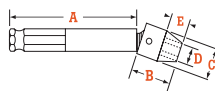
FEMALE SQUARE TO MALE SQUARE



Part No. Standard	Part No. Tension	Female Square IN.	Male Square IN.	Type of Lock	Largest Dia.	
					IN.	MM.
KAM-37-3	KDM-37-3	3/8	3/8	Pin	3/4	19
–	KDM-37-B-3	3/8	3/8	Ball	3/4	19
KAM-37-12	KDM-37-12	3/8	3/8	Pin	3/4	19
–	KDM-37-6	3/8	3/8	Pin	3/4	19
–	KDM-37-9	3/8	3/8	Pin	3/4	19
–	KDM-38-3	3/8	3/8	Pin	7/8	22
KAM-38-6	KDM-38-6	3/8	3/8	Pin	7/8	22
–	KDM-38-9	3/8	3/8	Pin	7/8	22
–	KDM-38-12	3/8	3/8	Pin	7/8	22

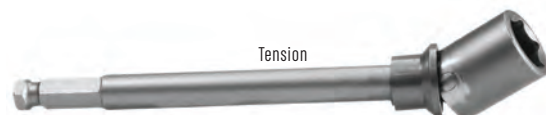
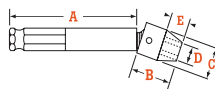
7/16" MALE HEX UNIVERSAL WRENCHES

SAE 6 POINT, STANDARD & TENSION TYPE – EXTENSION



Part Number	Part No. Tension	Hex Opening IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
KB-43-6	–	3/8	6	13/16	5/8	7.32	7/16
–	KT-44-6	7/16	6	7/8	5/8	5/8	1/2
KB-45-3	–	1/2	3	7/8	11/16	11/16	1/2
KB-45-4	– KT-	1/2	4	7/8	11/16	11/16	1/2
KB-104-6	104-6	1/2	6	1	3/4	3/4	9/16
KB-202-6	KT-202-6	1/2	6	1	7/8	11/16	15/32
–	KT-202-9	1/2	9	1	7/8	11/16	15/32
KB-202-12	KT-202-12	1/2	12	1	7/8	11/16	15/32
KB-317-9	KT-317-9	1/2	9	1	1	11/16	7/16
KB-105-3	–	9/16	3	1	13/16	13/16	9/16
–	KT-105-6	9/16	6	1	13/16	13/16	9/16
–	KT-105-9	9/16	9	1	13/16	13/16	9/16
–	KT-105-12	9/16	12	1	13/16	13/16	9/16
–	KT-203-6	9/16	6	11/16	7/8	3/4	17/32
KB-203-9	KT-203-9	9/16	9	11/16	7/8	3/4	17/32
KB-203-12	KT-203-12	9/16	12	11/16	7/8	3/4	17/32
–	KT-318-6	9/16	6	11/8	1	3/4	9/16
KB-318-12	–	9/16	12	11/8	1	3/4	9/16
KB-205-6	KT-205-6	5/8	6	11/8	7/8	7/8	19/32
KB-205-12	KT-205-12	5/8	12	11/8	7/8	7/8	19/32
KB-320-6	KT-320-6	5/8	6	13/16	1	27/32	5/8
–	KT-320-9	5/8	9	13/16	1	27/32	5/8
–	KT-320-12	5/8	12	13/16	1	27/32	5/8
KB-321-6	–	11/16	6	11/4	1	1	11/16
KB-322-3	–	3/4	3	11/4	11/8	1-1/8	11/16
KB-322-6	KT-322-6	3/4	6	11/4	11/8	1-1/8	11/16
–	KT-322-9	3/4	9	11/4	11/8	11/8	11/16

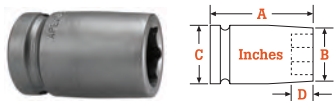
METRIC 6 POINT, STANDARD & TENSION TYPE – EXTENSION



Part Number	Part No. Tension	Hex Opening MM.	Shank Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
KB-6-10M-6	KT-6-10M-6	10	152	20.6	19.1	15.1	9.5
–	KT-6-10M-9	10	152	20.6	19.1	15.1	9.5
–	KT-6-10M-12	10	305	20.6	19.1	15.1	9.5
KB-7-11M-6	–	11	152	23.8	22.2	15.9	10.3
KB-7-13M-3	–	13	76	25.4	22.2	17.5	11.9
KB-7-13M-6	KT-7-13MM-6	13	152	25.4	22.2	17.5	11.9
KB-7-13M-9	KT-7-13MM-9	13	229	25.4	22.2	17.5	11.9
KB-7-13M-12	–	13	305	25.4	22.2	17.5	11.9
KB-7-14M-6	KT-7-14M-6	14	152	27.0	22.2	19.1	13.5
–	KT-7-14M-12	14	305	27.0	22.2	19.1	14.3
–	KT-7-15M-6	15	152	27	22.2	19.1	14.3
KB-8-15M-6	KT-8-15M-6	15	152	28.6	25.4	19.8	14.3
KB-8-15M-9	KT-8-15M-9	15	229	28.6	25.4	19.8	14.3
KB-8-15M-12	KT-8-15M-12	15	305	28.6	25.4	19.8	14.3
KB-8-16M-6	KT-8-16M-6	16	152	30.2	25.4	21.4	15.9
KB-8-16M-9	KT-8-16M-9	16	229	30.2	25.4	21.4	15.9
–	KT-8-16M-12	16	305	30.2	25.4	21.4	15.9
–	KT-8-17M-6	17	152	31.8	25.4	25.4	17.5
KB-8-17M-12	KT-8-17M-12	17	305	31.8	25.4	25.4	17.5
KB-8-18M-6	KT-8-18M-6	18	152	31.8	25.4	25.4	17.5
–	KT-8-18M-9	18	229	31.8	25.4	25.4	17.5
–	KT-8-18M-12	18	305	21.8	25.4	25.4	17.5
KB-10-19M-6	KT-10-19M-6	19	152	34.9	31.8	26.2	16.3

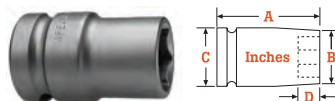
1/2" SQUARE DRIVE SOCKETS, SAE

6 POINT AND DOUBLE HEX, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5108	—	1/4	1 1/2	7/16	15/16	5/32
5110	5110-D	5/16	1 1/2	1/2	15/16	3/16
5112	5112-D	3/8	1 1/2	5/8	15/16	1/4
5114	5114-D	7/16	1 1/2	11/16	15/16	9/32
5116	5116-D	1/2	1 1/2	13/16	15/16	11/32
SH-335	—	1/2	1 1/2	45/64	15/16	11/32
5118	5118-D	9/16	1 1/2	7/8	15/16	7/16
SH-336	SH-336-D	9/16	1 1/2	27/32	15/16	7/16
5119	—	19/32	1 1/2	15/16	15/16	7/16
5120	5120-D	5/8	1 1/2	1	1	7/16
SH-338	SH-338-D	5/8	1 1/2	15/16	1	7/16
5122	5122-D	11/16	1 1/2	1 1/8	1 1/8	7/16
SH-339	—	11/16	1 1/2	11/64	11/16	7/16
SW-282	SW-282-D	3/4	1 1/2	1 1/4	1 1/4	15/32
5124	5124-D	3/4	1 1/2	1 1/8	1 1/8	15/32
5126	5126-D	13/16	1 1/2	1 1/4	1 1/4	17/32
5128	5128-D	7/8	1 1/2	15/16	15/16	9/16
5130	5130-D	15/16	1 1/2	13/8	13/8	5/8
5131	—	31/32	1 1/2	1 1/2	1 1/2	5/8
5132	5132-D	1	1 1/2	1 1/2	1 1/2	5/8
5134	5134-D	1 1/16	15/8	1 1/2	1 1/2	11/16
5136	5136-D	1 1/8	15/8	15/8	15/8	3/4
5138	5138-D	13/16	15/8	13/4	13/4	3/4
5140	5140-D	1 1/4	13/4	13/4	13/4	13/16
5142	—	15/16	13/4	17/8	17/8	13/16
5144	5144-D	13/8	17/8	2	2	13/16
5146	—	17/16	2	2	2	15/16
5148	5148-D	1 1/2	2	2 1/8	2 1/8	1
5152	5152-D	15/8	2	2 3/8	2 3/8	1 1/8
5154	—	1 11/16	2	2 3/8	2 3/8	1 1/8
5156	—	1 3/4	2	2 1/2	2 1/2	1 1/8

6 POINT AND DOUBLE HEX, THIN WALL, STANDARD LENGTH

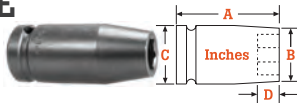


Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5412	5412-D	3/8	1 1/2	19/32	15/16	1/4
5414	5414-D	7/16	1 1/2	21/32	15/16	9/32
5416	5416-D	1/2	1 1/2	23/32	15/16	11/32
5418	5418-D	9/16	1 1/2	13/16	15/16	7/16
5420	5420-D	5/8	1 1/2	7/8	15/16	7/16
5421	5421-D	21/32	1 1/2	29/32	15/16	7/16
—	5422-D	11/16	1 1/2	15/16	15/16	7/16
OS-5424*	—	3/4	1 1/2	11/32	11/32	15/32
5424	5424-D	3/4	1 1/2	11/32	1 1/8	15/32
5426	5426-D	13/16	1 1/2	1 1/8	1 1/8	17/32
HE-1028	HE-1028-D	7/8	1 1/2	1 1/4	1 1/4	9/16
5428*	—	7/8	1 1/2	13/16	1 1/4	9/16
HE-530	—	15/16	1 1/2	15/16	15/16	5/8
5430*	5430-D	15/16	1 1/2	1 1/4	1 1/4	5/8
5432	5432-D	1	1 1/2	13/8	13/8	5/8
5434	5434-D	1 1/16	15/8	17/16	17/16	11/16
5436	5436-D	1 1/8	15/8	1 1/2	1 1/2	3/4
5438	—	13/16	15/8	15/8	15/8	3/4
5440	5440-D	1 1/4	13/4	1 11/16	1 3/4	13/16
5442	—	15/16	13/4	1 25/32	1 7/8	13/16

* No DIN groove

1/2" SQUARE DRIVE SOCKETS, SAE

6 POINT AND DOUBLE HEX, LONG & EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5210	-	5/16	2 1/4	1/2	15/16	3/16
5310	-	5/16	3 1/4	1/2	15/16	3/16
5212	-	3/8	2 1/4	5/8	15/16	1/4
5312	-	3/8	3 1/4	5/8	15/16	1/4
5214	-	7/16	2 1/4	11/16	15/16	9/32
5314	-	7/16	3 1/4	11/16	15/16	9/32
5216	5216-D	1/2	2 1/4	13/16	15/16	11/32
5316	5316-D	1/2	3 1/4	13/16	15/16	11/32
5218	5218-D	9/16	2 1/4	7/8	15/16	7/16
5318	5318-D	9/16	3 1/4	7/8	15/16	7/16
5220	-	5/8	2 1/4	1	1	7/16
5320	-	5/8	3 1/4	1	1	7/16
5222	-	11/16	2 1/4	1 1/8	1 1/8	7/16
5322	5322-D	11/16	3 1/4	1 1/8	1 1/8	7/16
5224	5224-D	3/4	2 1/4	1 1/8	1 1/8	15/32
5324	5324-D	3/4	3 1/4	1 1/8	1 1/8	15/32
5226	5226-D	13/16	2 1/4	1 1/4	1 1/4	17/32
5228	5228-D	7/8	2 1/4	1 5/16	1 5/16	9/16
5328	-	7/8	3 1/2	1 5/16	1 5/16	9/16
5326	-	13/16	3 1/2	1 1/4	1 1/4	17/32
5230	5230-D	15/16	2 1/4	1 3/8	1 3/8	5/8
5330	5330-D	15/16	3 1/2	1 3/8	1 3/8	5/8
5232	-	1	2 1/4	1 1/2	1 1/2	5/8
5332	-	1	3 1/2	1 1/2	1 1/2	5/8
5234	-	1 1/16	2 3/8	1 1/2	1 1/2	11/16
5334	-	1 1/16	3 1/2	1 1/2	1 1/2	11/16
5236	5236-D	1 1/8	2 3/8	1 5/8	1 5/8	3/4
5336	5336-D	1 1/8	3 1/2	1 5/8	1 5/8	3/4
5238	-	1 3/16	2 3/8	1 3/4	1 3/4	3/4
5338	-	1 3/16	3 1/2	1 3/4	1 3/4	3/4
5240	5240-D	1 1/4	2 1/2	1 3/4	1 3/4	13/16
5340	5340-D	1 1/4	3 1/2	1 3/4	1 3/4	13/16
5242	-	1 5/16	2 1/2	1 7/8	1 7/8	13/16
5342	-	1 5/16	3 1/2	1 7/8	1 7/8	13/16
5244	-	1 3/8	2 1/2	2	2	13/16
5344	-	1 3/8	3 5/8	2	2	13/16
5248	-	1 1/2	2 1/2	2 1/8	2 1/8	1
5348	-	1 1/2	3 3/4	2 1/8	2 1/8	1

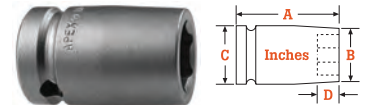
6 POINT AND DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5510	-	5/16	3 1/4	1/2	15/16	3/16
5512	5512-D	3/8	3 1/4	19/32	15/16	1/4
5514	5514-D	7/16	3 1/4	21/32	15/16	9/32
5516	5516-D	1/2	3 1/4	23/32	15/16	11/32
OS-5516*	-	1/2	3 1/4	47/64	7/8	11/32
5518	5518-D	9/16	3 1/4	13/16	15/16	7/16
OS-5518*	-	9/16	3 1/4	13/16	27/32	7/16
5520	5520-D	5/8	3 1/4	7/8	15/16	7/16
5522	5522-D	11/16	3 1/4	15/16	15/16	7/16
SW-493	-	3/4	2 1/4	1 1/4	1 1/4	15/32
5524	5524-D	3/4	3 1/4	1 1/32	1 1/8	15/32
5526	5526-D	13/16	3 1/2	1 1/8	1 1/8	17/32
5528	5528-D	7/8	3 1/2	1 3/16	1 1/4	9/16
5530	5530-D	15/16	3 1/2	1 1/4	1 1/4	5/8
5532	5532-D	1	3 1/2	1 3/8	1 3/8	5/8
5534	5534-D	1 1/16	3 1/2	1 7/16	1 7/16	11/16

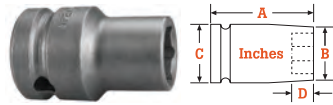
* No DIN groove

MAGNETIC, STANDARD LENGTH



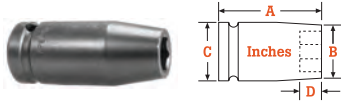
Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-5110	5/16	1 1/2	1/2	15/16	3/16
M-5112	3/8	1 1/2	5/8	15/16	1/4
M-5114	7/16	1 1/2	11/16	15/16	9/32
M-5116	1/2	1 1/2	13/16	15/16	11/32
MSH-335	1/2	1 1/2	45/64	15/16	11/32
M-5118	9/16	1 1/2	7/8	15/16	7/16
MSH-336	9/16	1 1/2	27/32	15/16	7/16
M-5120	5/8	1 1/2	1	1	7/16
M-5122	11/16	1 1/2	1 1/8	1 1/8	7/16
M-5124	3/4	1 1/2	1 1/8	1 1/8	15/32

MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
M-5416	1/2	11/2	23/32	15/16	11/32
M-5418	9/16	11/2	13/16	15/16	7/16
M-5420	5/8	11/2	7/8	15/16	7/16

MAGNETIC, LONG LENGTH & EXTRA LONG LENGTH



Part No. Fixed Magnet	Part No. Bolt Clearance	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	MB-5212	3/8	2-1/4	5/8	15/16	1/4
M-5512*	-	3/8	3-1/4	19/32	15/16	1/4
-	MB-5214	7/16	2-1/4	11/16	15/16	9/32
M-5216	MB-5216	1/2	2-1/4	13/16	15/16	11/32
M-5316	-	1/2	3-1/4	13/16	15/16	11/32
M-5218	-	9/16	2-1/4	7/8	15/16	7/16
-	MB-HE9518	9/16	2-1/4	7/8	15/16	7/16
M-5518*	-	9/16	3-1/4	13/16	15/16	7/16
-	MB-5220	5/8	2-1/4	1	1	7/16

* Thin wall

SURFACE DRIVE & FAST LEAD, STANDARD LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-5112	-	3/8	11/2	5/8	15/16	1/4
-	FL-5114	7/16	11/2	11/16	15/16	9/32
SF-5116	FL-5116	1/2	11/2	13/16	15/16	11/32
SF-SH-335	FL-SH-335	1/2	11/2	45/64	15/16	11/32
SF-5118	FL-5118	9/16	11/2	7/8	15/16	7/16
SF-SH-336	-	9/16	11/2	27/32	15/16	7/16
SF-5120	FL-5120	5/8	11/2	1	1	7/16
SF-5122	FL-5122	11/16	11/2	11/8	11/8	7/16
SF-5124	FL-5124	3/4	11/2	11/8	11/8	15/32
SF-SW-282	-	3/4	11/2	11/4	11/4	15/32
SF-5126	FL-5126	13/16	11/2	11/4	11/4	17/32
SF-5128	FL-5128	7/8	11/2	15/16	15/16	9/16
SF-5130	FL-5130	15/16	11/2	13/8	13/8	5/8
SF-5132	FL-5132	1	11/2	11/2	11/2	5/8
SF-5134	FL-5134	11/16	15/8	11/2	11/2	11/16

SURFACE DRIVE & FAST LEAD, THIN WALL, STANDARD LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-5412	-	3/8	11/2	19/32	15/16	1/4
SF-5414	-	7/16	11/2	21/32	15/16	9/32
SF-5416	FL-5416	1/2	11/2	23/32	15/16	11/32
SF-5418	FL-5418	9/16	11/2	13/16	15/16	7/16
SF-5420	-	5/8	11/2	7/8	15/16	7/16
SF-5422	-	11/16	11/2	15/16	15/16	7/16
SF-5424	-	3/4	11/2	11/32	11/8	15/32
SF-5426	-	13/16	11/2	11/8	11/8	17/32

SURFACE DRIVE & FAST LEAD, LONG AND EXTRA LONG LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-5212	-	3/8	2 1/4	9/16	15/16	9/32
SF-5216	FL-5216	1/2	2 1/4	13/16	15/16	11/32
-	FL-5316	1/2	3 1/4	13/16	15/16	11/32
SF-HE-9518	FL-HE-9518	9/16	2 1/4	7/8	7/8	7/16
SF-5218	FL-5218	9/16	2 1/4	7/8	15/16	7/16
SF-5318	FL-5318	9/16	3 1/4	7/8	15/16	7/16
SF-5320	FL-5320	5/8	3 1/4	1	1	7/16
SF-5222	FL-5222	11/16	2 1/4	11/8	11/8	7/16
SF-5224	FL-5224	3/4	2 1/4	11/8	11/8	15/32
-	FL-SW-493	3/4	2 1/4	11/4	11/4	15/32
SF-5324	FL-5324	3/4	3 1/4	11/8	11/8	15/32
SF-5226	FL-5226	13/16	2 1/4	11/4	11/4	17/32
-	FL-5326	13/16	3 1/2	11/4	11/4	17/32
SF-5228	FL-5228	7/8	2 1/4	15/16	15/16	9/16
SF-5328	-	7/8	3 1/2	15/16	15/16	9/16
SF-5230	-	15/16	2 1/4	13/8	13/8	5/8
SF-5330	-	15/16	3 1/2	13/8	13/8	5/8
SF-5232	-	1	2 1/4	11/2	11/2	5/8

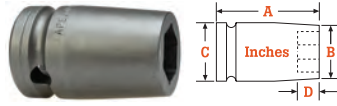
SURFACE DRIVE, THIN WALL, EXTRA LONG LENGTH



Part No. Surface Drive	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-5514	7/16	3-1/4	21/32	15/16	9/32
SF-5516	1/2	3-1/4	23/32	15/16	11/32
SF-5518	9/16	3-1/4	13/16	15/16	7/16
SF-5520	5/8	3-1/4	7/8	15/16	7/16
SF-5524	3/4	3-1/4	1-1/32	1-1/8	15/32
SF-5526	13/16	3-1/4	1-1/8	1-1/8	17/32
SF-5528	7/8	3-1/2	1-3/16	1-1/4	9/16
SF-5532	1	3-1/2	1-3/8	1-3/8	5/8

1/2" SQ. DR. SOCKETS FOR SAE SHEET METAL SCREWS

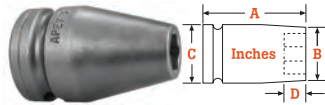
**6 POINT &
6 POINT
MAGNETIC, FOR
PREDRILLED HOLES***



Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5E10	M5E10	5/16	1 1/2	1/2	15/16	3/16
5E12	M5E12	3/8	1 1/2	5/8	15/16	1/4
-	M5E14	7/16	1 1/2	11/16	15/16	9/32
5E16	M5E16	1/2	1 1/2	13/16	15/16	11/32
-	M5E18	9/16	1 1/2	15/16	15/16	7/16

* Sockets for predrilled holes are intermediate hardness.

**6 POINT & 6
POINT MAGNETIC,
FOR SELF-TAPPING
SCREWS***

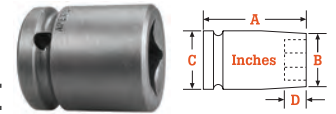


Part No. 6 Point	Part No. Magnetic	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	M5P10	5/16	1 1/2	1/2	15/16	3/16
5P12	M5P12	3/8	1 1/2	5/8	15/16	1/4
5P14	M5P14	7/16	1 1/2	11/16	15/16	9/32
-	M5P16	1/2	1 1/2	13/16	15/16	11/32
-	M5P18	9/16	1 1/2	15/16	15/16	7/16

* Sockets for self-tapping screws are maximum hardness.

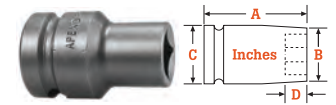
1/2" SQ. DR. SOCKETS FOR SAE SQUARE NUTS

**SINGLE SQUARE &
DOUBLE SQUARE,
STANDARD LENGTH**



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5609	-	9/32	1 1/2	1/2	15/16	3/16
5610	5610-D	5/16	1 1/2	5/8	15/16	1/4
5612	5612-D	3/8	1 1/2	3/4	15/16	1/4
5614	5614-D	7/16	1 1/2	7/8	15/16	9/32
5616	5616-D	1/2	1 1/2	1	1	11/32
5618	5618-D	9/16	1 1/2	11/8	11/8	7/16
5620	5620-D	5/8	1-1/2	11/4	1-1/4	7/16
5622	-	11/16	1 1/2	11/4	11/4	7/16
5624	5624-D	3/4	1 1/2	13/8	13/8	15/32
5626	-	13/16	1 1/2	11/2	11/2	17/32
5628	-	7/8	1 1/2	15/8	15/8	5/8
5632	-	1	15/8	13/4	13/4	5/8
5634	-	11/16	13/4	17/8	17/8	11/16
5636	5636-D	11/8	13/4	2	2	3/4

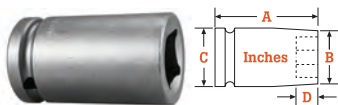
**SINGLE SQUARE &
DOUBLE SQUARE,
THIN WALL,
STANDARD LENGTH**



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5912	5912-D	3/8	1 1/2	11/16	15/16	1/4
5914	5914-D	7/16	1 1/2	25/32	15/16	9/32
5918	5918-D	9/16	1 1/2	1	1	7/16
5920	-	5/8	1 1/2		11/8	7/16

1/2" SQ. DR. SOCKETS FOR SAE SQUARE NUTS

SINGLE SQUARE & DOUBLE SQUARE, LONG & EXTRA LONG LENGTH



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
5812	-	3/8	3 1/4	3/4	15/16	1/4
5716	-	1/2	2 1/4	1	1	11/32
-	5816-D	1/2	3 1/4	1	1	7/16
5720	-	5/8	2 1/4	1 1/4	1 1/4	7/16
5820	5820-D	5/8	3 1/2	1 1/4	1 1/4	7/16
5822	5822-D	11/16	3 1/2	1 1/4	1 1/4	7/16
5724	5724-D	3/4	2 1/4	1 3/8	1 3/8	15/32
-	5826-D	13/16	3 1/2	1 1/2	1 1/2	17/32
5728	-	7/8	2 1/4	1 5/8	1 5/8	5/8
-	5832-D	1	3 1/2	1 3/4	1 3/4	5/8
-	5834-D	1 1/16	3 1/2	1 7/8	1 7/8	11/16
-	5836-D	1 1/8	3 1/2	2	2	3/4

1/2" SQ. DR. SOCKET SET, SAE

6 POINT

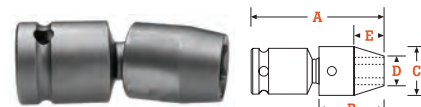


APS58XL

8 piece, extra long length: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16

1/2" SQ. DR. UNIV. WRENCHES, SAE

6 POINT & DOUBLE HEX



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-120	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-216	SA-216-D	3/8	2 11/64	7/8	7/8	9/16	11/32
SA-217	SA-217-D	7/16	2 15/64	15/16	7/8	5/8	13/32
SA-316	-	7/16	2 17/64	15/16	1	5/8	3/8
SA-218	SA-218-D	1/2	2 19/64	1	7/8	11/16	15/32
SA-317	-	1/2	2 31/64	1	1	11/16	7/16
SA-219	SA-219-D	9/16	2 23/64	1 1/16	7/8	3/4	17/32
SA-318	SA-318-D	9/16	2 29/64	1 1/8	1	3/4	9/16
SA-221	SA-221-D	5/8	2 27/64	1 1/8	7/8	7/8	19/32
SA-320	-	5/8	2 33/64	1 3/16	1	27/32	5/8
SA-402	SA-402-D	5/8	2 49/64	1 1/4	1 1/4	7/8	33/64
SA-321	SA-321-D	11/16	2 37/64	1 1/4	1	1	11/16
SA-322	SA-322-D	3/4	2 37/64	1 1/4	1 1/8	1 1/8	11/16
SA-404	SA-404-D	3/4	2 57/64	1 3/8	1 1/4	1 1/32	5/8
SA-501	-	3/4	3 1/32	1 5/8	1 1/2	1 1/8	25/32
SA-406	-	13/16	2 57/64	1 3/8	1 1/4	1 1/8	41/64
SA-407	-	7/8	2 57/64	1 3/8	1 3/16	1 5/16	41/64
SA-409	SA-409-D	15/16	2 57/64	1 3/8	1 5/16	1 5/16	41/64
SA-505	-	15/16	3 5/32	1 3/4	1 1/2	1 3/8	29/32
SA-410	-	1	2 61/64	1 7/16	1 1/2	1 1/2	45/64
SA-411	-	1 1/16	3 1/64	1 1/2	1 1/2	1 1/2	49/64
SA-508	-	1 1/8	3 9/32	1 7/8	1 5/8	1 5/8	11/32
SA-510	-	1 1/4	3 13/32	2	1 3/4	1 3/4	15/32

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE

6 POINT



Part No.	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Opening Depth (E) IN.
SA-C-216	3/8	2.17	.88	.88	.56	.34
SA-C-217	7/16	2.23	.94	.88	.63	.41
SA-C-218	1/2	2.30	1.00	.88	.69	.47
SA-C-219	9/16	2.36	1.06	.88	.75	.53
SA-C-221	5/8	2.42	1.13	.88	.88	.59
SA-C-321	11/16	2.58	1.25	1.00	1.00	.69
SA-C-322	3/4	2.58	1.25	1.00	1.13	.69
SA-C-407	7/8	2.89	1.38	1.25	1.31	.64
SA-C-409	15/16	2.89	1.38	1.25	1.31	.64
SA-C-410	1	2.95	1.44	1.25	1.50	.70
SA-C-411	1 1/16	3.02	1.50	1.25	1.50	.77
SA-C-508	1 1/8	3.28	1.88	1.50	1.63	1.03
SA-C-510	1 1/4	3.41	2.00	1.50	1.75	1.16

1/2" SQ. DR. UNIV. WRENCH SET, SAE

6 POINT



APU56

6 piece, standard length: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

A

APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

UNIVERSAL WRENCHES 1/2" SQ. DR., SAE – EXT.

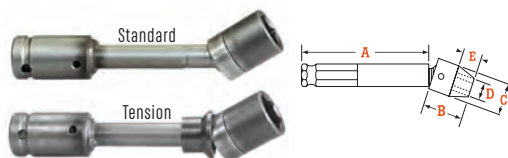
6 POINT STANDARD & TENSION TYPE



Part No. Standard	Part No. Tension	Hex Open IN.	Shank Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
–	KN-41-3	5/16	3	3/4	5/8	7/16	3/8
–	KN-41-6	5/16	6	3/4	5/8	7/16	3/8
KH-43-6	KN-43-6	3/8	6	13/16	5/8	17/32	7/16
–	KN-43-9	3/8	9	13/16	5/8	17/32	7/16
KH-44-6	KN-44-6	7/16	6	7/8	5/8	5/8	1/2
KH-45-3	–	1/2	3	7/8	5/8	11/16	1/2
KH-45-4	–	1/2	4	7/8	5/8	11/16	1/2
KH-45-6	KN-45-6	1/2	6	7/8	5/8	11/16	1/2
–	KN-45-9	1/2	9	7/8	5/8	11/16	1/2
KH-104-6	KN-104-6	1/2	6	1	3/4	3/4	9/16
–	KN-104-9	1/2	9	1	3/4	3/4	9/16
KH-202-6	KN-202-6	1/2	6	1	7/8	11/16	15/32
–	KN-202-8	1/2	8	1	7/8	11/16	15/32
KH-105-3	–	9/16	3	1	3/4	13/16	9/16
KH-105-6	KN-105-6	9/16	6	1	3/4	13/16	9/16
–	KN-105-9	9/16	9	1	3/4	13/16	9/16
KH-105-12	KN-105-12	9/16	12	1	3/4	13/16	9/16
KH-203-4	–	9/16	4	1 1/16	7/8	3/4	17/32
KH-203-6	KN-203-6	9/16	6	1 1/16	7/8	3/4	17/32
KH-203-9	KN-203-9	9/16	9	1 1/16	7/8	3/4	17/32
–	KN-203-12	9/16	12	1 1/16	7/8	3/4	17/32
–	KN-318-3	9/16	3	1 1/8	1	3/4	9/16
KH-318-4	KN-318-4	9/16	4	1 1/8	1	3/4	9/16
KH-205-12	–	5/8	12	1 1/8	7/8	7/8	19/32
KH-205-3	–	5/8	3	1 1/8	7/8	7/8	19/32
KH-205-4	–	5/8	4	1 1/8	7/8	7/8	19/32
KH-205-6	KN-205-6	5/8	6	1 1/8	7/8	7/8	19/32
KH-205-D-6	–	5/8	6	1 1/8	7/8	7/8	19/32
–	KN-205-9	5/8	9	1 1/8	7/8	7/8	19/32
KH-205-12	KN-205-12	5/8	12	1 1/8	7/8	7/8	19/32
KH-320-6	KNS-320-D-6	5/8	6	1 3/16	1	27/32	5/8
–	KN-320-12	5/8	12	1 3/16	1	27/32	5/8
KH-321-6	–	11/16	6	1 1/4	1	1	11/16
KH-322-6	KN-322-6	3/4	6	1 1/4	1	1 1/8	11/16
–	KN-322-9	3/4	9	1 1/4	1	1 1/8	11/16
–	KN-322-12	3/4	12	1 1/4	1	1 1/8	11/16
–	KN-404-6	3/4	6	1 3/8	1 1/4	1 1/32	41/64
KH-409-3	–	15/16	3	1 3/8	1 1/4	15/16	41/64
KH-409-4	–	15/16	4	1 3/8	1 1/4	15/16	41/64
KH-409-6	–	15/16	6	1 3/8	1 1/4	15/16	41/64
KH-409-12	–	15/16	12	1 3/8	1 1/4	15/16	41/64
KH-540-6-B-2.75	–	1 1/4	6	2 3/4	1 1/2	1 3/4	129/32

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, SAE – EXT.

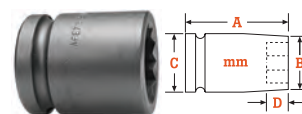
6 POINT



Part No. Standard	Part No. Tension	Hex Open IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Opening Depth (E) IN.
KHW-C-43-6	KNW-C-43-6	3/8	6	13/16	5/8	17/32	7/16
KHW-C-44-6	KNW-C-44-6	7/16	6	7/8	5/8	5/8	1/2
KHW-C-45-6	KNW-C-45-6	1/2	6	7/8	5/8	11/16	1/2
–	KNW-C-104-9	1/2	9	1	3/4	3/4	9/16
KHW-C-105-6	KNW-C-105-6	9/16	6	1	3/4	13/16	9/16
KHW-C-105-12	KNW-C-105-12	9/16	12	1	3/4	13/16	9/16
–	KNW-C-203-6	9/16	6	11/16	7/8	3/4	17/32
–	KNW-C-318-6	9/16	6	11/8	1	3/4	9/16
KHW-C-205-6	KNW-C-203-9	9/16	9	11/16	7/8	3/4	17/32
KHW-C-205-12	KNW-C-205-6	5/8	6	11/8	7/8	7/8	19/32
–	KNW-C-205-12	5/8	12	11/8	7/8	7/8	19/32
KHW-C-322-6	KNW-C-322-6	3/4	6	11/4	1	11/8	11/16
–	KNCW-322-9	3/4	9	11/4	1	11/8	11/16
–	KNW-C-322-12	3/4	12	11/4	1	11/8	11/16
–	KNCBUW-C-404-6	3/4	6	13/8	11/4	11/32	41/64
KHW-C-409-6	–	15/16	6	13/8	11/4	15/16	41/64

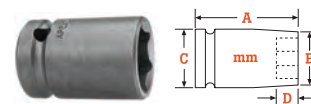
1/2" SQUARE DRIVE SOCKETS, METRIC

6 POINT & DOUBLE HEX, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM15	10MM15-D	10	38.1	16.7	23.8	6.4
11MM15	11MM15-D	11	38.1	17.5	23.8	7.2
12MM15	12MM15-D	12	38.1	19.1	23.8	7.2
13MM15	13MM15-D	13	38.1	22.2	23.8	8.7
14MM15	14MM15-D	14	38.1	22.2	23.8	11.1
15MM15	15MM15-D	15	38.1	23.8	23.8	11.1
16MM15	16MM15-D	16	38.1	25.4	25.4	11.1
17MM15	17MM15-D	17	38.1	28.6	28.6	11.1
18MM15	18MM15-D	18	38.1	28.6	28.6	11.1
19MM15	19MM15-D	19	38.1	28.6	28.6	11.9
20MM15	–	20	38.1	31.7	31.7	11.9
21MM15	21MM15-D	21	38.1	31.7	31.7	13.5
22MM15	22MM15-D	22	38.1	33.3	33.3	14.3
23MM15	23MM15-D	23	38.1	34.9	34.9	15.9
24MM15	24MM15-D	24	38.1	34.9	34.9	15.9
25MM15	–	25	38.1	38.1	38.1	15.9
26MM15	26MM15-D	26	38.1	38.1	38.1	15.9
27MM15	27MM15-D	27	41.3	41.3	41.3	17.5
28MM15	–	28	41.3	41.3	41.3	19.1
29MM15	29MM15-D	29	41.3	44.4	44.4	19.1
30MM15	30MM15-D	30	41.3	44.4	44.4	19.1
32MM15	32MM15-D	32	44.4	44.4	44.4	20.6
33MM15	–	33	44.4	47.6	47.6	20.6
34MM15	–	34	47.6	47.5	47.5	20.5
35MM15	–	35	47.6	50.8	50.8	20.6
36MM15	–	36	47.6	50.8	50.8	23.8

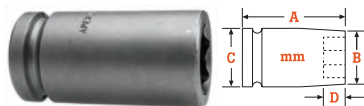
6 POINT & DOUBLE HEX, THIN WALL, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM45	10MM45-D	10	38.1	15.9	23.8	6.4
12MM45	12MM45-D	12	38.1	17.5	23.8	7.2
13MM45	13MM45-D	13	38.1	18.7	23.8	8.7
14MM45	14MM45-D	14	38.1	20.6	23.8	11.1
15MM45	15MM45-D	15	38.1	22.2	23.8	11.1
16MM45	16MM45-D	16	38.1	22.2	23.8	11.1
17MM45	17MM45-D	17	38.1	23.8	23.8	11.1
18MM45	18MM45-D	18	38.1	25.4	25.4	11.1
19MM45	–	19	38.1	26.3	26.3	11.9
21MM45	21MM45-D	21	38.1	28.6	28.6	13.5
22MM45	22MM45-D	22	38.1	30.2	31.7	14.3

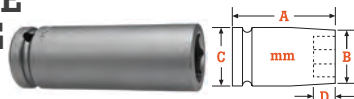
1/2" SQUARE DRIVE SOCKETS, METRIC

6 POINT & DOUBLE HEX, LONG LENGTH



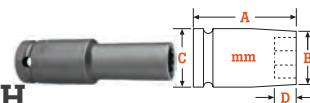
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM25	10MM25-D	10	57.1	16.7	23.8	6.4
11MM25	-	11	57.1	17.5	23.8	7.2
12MM25	12MM25-D	12	57.1	19.1	23.8	7.2
13MM25	13MM25-D	13	57.1	22.2	23.8	8.7
14MM25	-	14	57.1	22.2	23.8	11.1
15MM25	15MM25-D	15	57.1	23.8	23.8	11.1
16MM25	16MM25-D	16	57.1	25.4	25.4	11.1
17MM25	17MM25-D	17	57.1	28.6	28.6	11.1
18MM25	18MM25-D	18	57.1	28.6	28.6	11.1
19MM25	-	19	57.1	28.6	28.6	11.9
20MM25	20MM25-D	20	57.1	31.7	31.7	11.9
21MM25	21MM25-D	21	57.1	31.7	31.7	13.5
22MM25	22MM25-D	22	57.1	33.3	33.3	14.3
23MM25	23MM25-D	23	57.1	34.9	34.9	15.9
24MM25	24MM25-D	24	57.1	34.9	34.9	15.9
25MM25	-	25	57.1	38.1	38.1	15.9
26MM25	-	26	57.1	38.1	38.1	15.9
27MM25	-	27	60.3	41.3	41.3	17.5
28MM25	-	28	60.3	41.3	41.3	19.1
30MM25	30MM25-D	30	60.3	44.4	44.4	19.1
32MM25	-	32	63.5	44.4	44.4	20.6

6 POINT & DOUBLE HEX, EXTRA LONG LENGTH



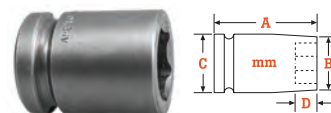
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM35	10MM35-D	10	82.5	16.7	23.8	6.4
11MM35	-	11	82.5	17.5	23.8	7.2
12MM35	12MM35-D	12	82.5	19.1	23.8	7.2
13MM35	13MM35-D	13	82.5	22.2	23.8	8.7
14MM35	14MM35-D	14	82.5	22.2	23.8	11.1
15MM35	-	15	82.5	23.8	23.8	11.1
16MM35	16MM35-D	16	82.5	25.4	25.4	11.1
17MM35	17MM35-D	17	82.5	28.6	28.6	11.1
18MM35	18MM35-D	18	82.5	28.6	28.6	11.1
19MM35	19MM35-D	19	82.5	28.6	28.6	11.9
20MM35	20MM35-D	20	88.9	31.7	31.7	11.9
21MM35	21MM35-D	21	88.9	31.7	31.7	13.5
22MM35	22MM35-D	22	88.9	33.3	33.3	14.3
24MM35	24MM35-D	24	88.9	34.9	34.9	15.9
25MM35	-	25	88.9	38.1	38.1	15.9

6 POINT & DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



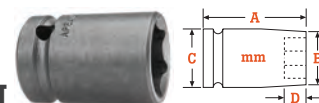
Part No. 6 Point	Part No. Double Hex	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
10MM55	10MM55-D	10	82.5	15.9	23.8	6.4
11MM55	-	11	82.5	16.7	23.8	7.2
12MM55	12MM55-D	12	82.5	17.5	23.8	7.2
13MM55	13MM55-D	13	82.5	18.7	23.8	8.7
14MM55	14MM55-D	14	82.5	20.6	23.8	11.1
15MM55	15MM55-D	15	82.5	22.2	23.8	11.1
16MM55	16MM55-D	16	82.5	22.2	23.8	11.1
17MM55	17MM55-D	17	82.5	23.8	23.8	11.1
18MM55	18MM55-D	18	82.5	25.4	25.4	11.1
19MM55	-	19	82.5	26.3	26.3	11.9
21MM55	21MM55-D	21	88.9	28.6	28.6	13.5
22MM55	22MM55-D	22	88.9	30.2	31.7	14.3
24MM55	24MM55-D	24	88.9	33.3	33.3	15.9
26MM55	-	26	88.9	34.9	34.9	15.9
27MM55	27MM55-D	27	88.9	36.5	38.1	17.5
29MM55	-	29	88.9	38.1	38.1	19.1
30MM55	-	30	88.9	39.7	41.1	19.1
32MM55	-	32	88.9	42.9	42.9	20.6

MAGNETIC, STANDARD LENGTH



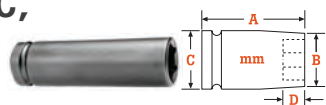
Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-10MM15	10	38.1	16.7	23.8	6.4
M-11MM15	11	38.1	17.5	23.8	7.2
M-12MM15	12	38.1	19.1	23.8	7.2
M-13MM15	13	38.1	22.2	23.8	8.7
M-14MM15	14	38.1	22.2	23.8	11.1
M-15MM15	15	38.1	23.8	23.8	11.1
M-16MM15	16	38.1	25.4	25.4	11.1
M-17MM15	17	38.1	28.6	28.6	11.1
M-18MM15	18	38.1	28.5	28.5	11.1
M-19MM15	19	38.1	28.6	28.6	11.9
M-21MM15	21	38.1	31.7	31.7	13.5

MAGNETIC, THIN WALL, STANDARD LENGTH



Part No. Fixed Magnet	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-13MM45	13	38.1	18.7	23.8	8.7
M-14MM45	14	38.1	20.6	23.8	11.1
M-15MM45	15	38.1	22.2	23.8	11.1
M-18MM45	18	38.1	25.4	25.4	8.0

6 POINT, MAGNETIC, THIN WALL, EXTRA LONG LENGTH



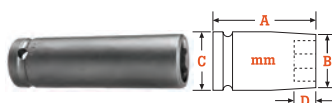
Part Number	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-12MM55	12	82.5	17.4	23.8	5.2
M-14MM55	14	82.5	20.6	23.6	6.4
M-15MM55	15	82.5	22.2	23.8	7.1

MAGNETIC, LONG LENGTH



Part No. Fixed Magnetic	Part No. Mag. Bolt Clearance	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
	MB-10MM25	10	57.1	16.7	23.8	6.4
	MB-12MM25	12	57.1	19.1	23.8	7.2
M-13MM25	MB-13MM25	13	57.1	22.2	23.8	8.7
	MB-14MM25	14	57.1	22.2	23.8	11.1
M-15MM25	MB-15MM25	15	57.1	23.8	23.8	11.1
	MB-16MM25	16	57.1	25.4	25.4	11.1
	MB-17MM25	17	57.1	28.4	28.4	11.1
M-18MM25	MB-18MM25	18	57.1	28.6	28.5	11.1

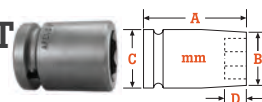
MAGNETIC, EXTRA LONG LENGTH



Part No. Fixed Magnetic	Part No. Mag. Bolt Clearance	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
M-13MM35	MB-13MM35	13	82.5	22.2	23.8	8.7
M-13MM55		13	82.5	18.7	23.8	8.7
M-15MM35	MB-15MM35	15	82.5	23.8	23.8	11.1
M-18MM35	MB-18MM35	18	82.5	28.6	28.6	11.1
M-18MM55*		18	82.5	25.4	25.4	11.1

* Thin wall

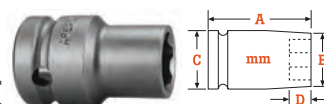
SURFACE DRIVE SHORT & STANDARD LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.	Mag. / Non-Mag.
SF-10MM15	10	38.1	16.7	23.8	6.4	Non-Mag.
SF-11MM15	11	38.1	17.5	23.8	7.2	Non-Mag.
SF-12MM15	12	38.1	19.1	23.8	7.2	Non-Mag.
SF-13MM15	13	38.1	22.2	23.8	8.7	Non-Mag.
MSF-13MM15*	13	38.1	22.2	23.8	8.7	Magnetic
SF-14MM15	14	38.1	22.2	23.8	11.1	Non-Mag.
SF-15MM15	15	38.1	23.8	23.8	11.1	Non-Mag.
MVESF-126-16MM*	16	33	25.4	25.4	7.9	Non-Mag.
SF-16MM15	16	38.1	25.4	25.4	11.1	Magnetic
MSF-16MM15*	16	38.1	25.4	25.4	11.1	Magnetic
MSF-18MM15*	18	38.1	28.5	28.6	11.1	Magnetic
SF-17MM15	17	38.1	28.6	26.6	11.1	Non-Mag.
SF-18MM15	18	38.1	28.6	28.6	11.1	Non-Mag.
SF-19MM15	19	38.1	28.6	28.6	11.9	Non-Mag.
SF-20MM15	20	38.1	31.7	31.7	11.9	Non-Mag.
SF-21MM15	21	38.1	31.7	31.7	13.5	Non-Mag.
SF-22MM15	22	38.1	33.3	33.3	14.3	Non-Mag.
SF-23MM15	23	38.1	34.9	34.9	15.9	Non-Mag.
SF-24MM15	24	38.1	34.9	34.9	15.9	Non-Mag.

* Magnetic surface drive

SURFACE DRIVE, THIN WALL, STANDARD LENGTH

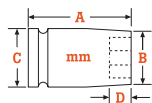


Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM45	10	38.1	15.9	23.8	6.4
SF-11MM45	11	38.1	16.7	23.8	7.2
SF-12MM45	12	38.1	17.5	23.8	7.2
SF-13MM45	13	38.1	18.7	23.8	8.7
SF-14MM45	14	38.1	20.6	23.8	11.1
SF-15MM45	15	38.1	22.2	23.8	11.1
SF-16MM45	16	38.1	22.2	23.8	11.1
SF-17MM45	17	38.1	23.8	23.8	11.1
MSF-17MM45*	17	38.1	23.8	23.8	7.9
SF-18MM45	18	38.1	25.4	25.4	11.1
SF-19MM45	19	38.1	26.3	26.3	11.9
SF-21MM45	21	38.1	28.6	28.6	11.9

* Magnetic surface drive

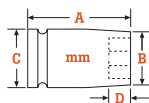
1/2" SQUARE DRIVE SOCKETS, METRIC

SURFACE DRIVE, LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-8MM25	8	57.1	12.7	23.6	4.7
SF-10MM25	10	57.1	16.7	23.6	4.7
SF-11MM25	11	57.1	17.5	23.8	7.2
SF-12MM25	12	57.1	19.1	23.8	7.2
SF-13MM25	13	57.1	22.2	23.8	7.2
SF-14MM25	14	57.1	22.2	23.8	11.1
SF-15MM25	15	57.1	23.8	23.8	11.1
SF-16MM25	16	57.1	25.4	25.4	11.1
SF-17MM25	17	57.1	28.6	28.6	11.1
SF-18MM25	18	57.1	28.6	28.6	11.1
SF-19MM25	19	57.1	28.6	28.6	11.9
SF-21MM25	21	57.1	31.7	31.7	13.5
SF-22MM25	22	57.1	33.3	33.3	14.3
SF-24MM25	24	57.1	34.9	34.9	15.9

SURFACE DRIVE, EXTRA LONG LENGTH



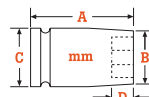
Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM35	10	82.5	16.7	23.8	6.4
SF-12MM35	12	82.5	17.5	23.8	7.2
SF-13MM35	13	82.5	19.1	23.8	7.2
SF-14MM35	14	82.5	22.2	23.8	11.1
SF-15MM35	15	82.5	23.8	23.8	11.1
SF-16MM35	16	82.5	25.4	25.4	11.1
SF-17MM35	17	82.5	28.6	28.6	11.1
SF-18MM35	18	82.5	28.6	28.6	11.1
SF-19MM35	19	82.5	28.6	28.6	11.9
SF-21MM35	21	88.9	31.7	31.7	13.5
SF-22MM35	22	88.9	33.3	33.3	14.3
SF-24MM35	24	88.9	34.9	34.9	15.9

SURFACE DRIVE, THIN WALL, EXTRA LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-10MM55	10	82.5	15.9	23.8	6.4
SF-11MM55	11	82.5	16.7	23.8	7.2
SF-13MM55	13	82.5	18.7	23.8	8.7
SF-14MM55	14	82.5	20.6	23.8	11.1
SF-15MM55	15	82.5	22.2	23.8	11.1
SF-16MM55	16	82.5	22.2	23.8	11.1
SF-17MM55	17	82.5	23.8	23.8	11.1
SF-18MM55	18	82.5	25.4	25.4	11.1
SF-19MM55	19	82.5	26.3	26.3	11.9
SF-21MM55	21	88.9	28.6	28.6	13.5
SF-22MM55	22	88.9	30.2	31.7	15.9

1/2" SQUARE DRIVE SOCKETS FOR METRIC SHEET METAL SCREWS



Part No. 6 Point	Part No. Magnetic	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
	M-13MME5	13	38.1	22.2	23.8	8.7
15MME5	M-15MME5	15	38.1	23.8	23.8	11.1

1/2" SQ. DR. SOCKET SET, METRIC

6 POINT

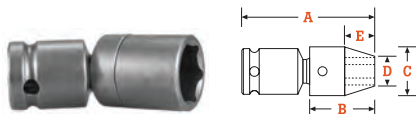


APS511M

11 piece, standard length: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC

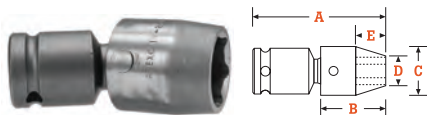
6 POINT



Part No. 6 Pt.	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-C-57-13M	13	58	25.4	22.2	17.5	11.9
SA-C-57-14M	14	60	27.0	22.2	19.1	13.5
SA-C-58-15M	15	62	28.6	25.4	19.8	14.3
SA-C-58-16M	16	64	30.2	25.4	21.4	15.9
SA-C-58-17M	17	66	31.8	25.4	25.4	17.5
SA-C-58-18M	18	66	31.8	25.4	25.4	17.5
SA-C-510-21M	21	73	34.9	31.8	28.6	16.3
SA-C-510-22M	22	73	34.9	31.8	31.8	16.3

1/2" SQUARE DRIVE UNIV. WRENCHES, METRIC

6 POINT



Part No. 6 Pt.	Hex Opening MM.	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
SA-57-13M	13	58	25.4	22.2	17.5	11.9
SA-57-14M	14	60	27.0	22.2	19.1	13.5
SA-58-15M	15	62	28.6	25.4	19.8	14.3
SA-58-16M	16	64	30.2	25.4	21.4	15.9
SA-58-17M	17	66	31.8	25.4	25.4	17.5
SA-58-18M	18	66	31.8	25.4	25.4	17.5
SA-58-19M	19	66	31.8	25.4	28.6	17.5
SA-510-19M	19	73	34.9	31.8	26.2	16.3
SA-510-20M	20	73	34.9	31.8	27.0	16.3
SA-510-21M	21	73	34.9	31.8	28.6	16.3
SA-510-22M	22	73	34.9	31.8	31.8	16.3
SA-510-24M	24	73	34.9	31.8	34.9	16.3

1/2" SQUARE DRIVE UNIV. WRENCH SET, METRIC

6 POINT

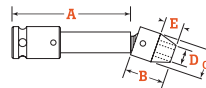


APU56M

6 piece, standard length: 13mm, 14mm, 15mm, 16mm, 17mm, 18mm

1/2" SQ. DR. UNIVERSAL WRENCHES, METRIC – EXTENSION

6 POINT, STANDARD AND TENSION TYPE



Part No. Standard	Part No. Tension	Hex Opening MM.	Shank Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
–	KN-7-12M-6	12	152	23.8	22.2	17.5	10.3
–	KN-7-12M-9	12	229	23.8	22.2	17.5	10.3
KH-7-13M-3	–	13	76	25.4	22.2	17.5	11.9
KH-7-13M-4	–	13	102	25.4	22.2	17.5	11.9
KH-7-13M-6	KN-7-13M-6	13	152	25.4	22.2	17.5	11.9
KH-7-13M-9	KN-7-13M-9	13	229	25.4	22.2	17.5	11.9
–	KN-7-13M-12	13	305	25.4	22.2	17.5	11.9
KH-7-14M-6	KN-7-14M-6	14	152	27.0	22.2	19.1	13.5
–	KN-7-14M-9	14	229	27.0	22.2	19.1	13.5
KH-8-14M-6	–	14	152	28.6	25.4	19.1	14.3
KH-8-15M-3	KN-8-15M-3	15	76	28.6	25.4	19.8	14.3
KH-8-15M-6	KN-8-15M-6	15	152	28.6	25.4	19.8	14.3
KH-8-15M-9	KN-8-15M-9	15	229	28.6	25.4	19.8	14.3
–	KN-8-15M-12	15	305	28.6	25.4	19.8	14.3
KH-8-16M-3	–	16	76	30.2	25.4	21.4	15.9
KH-8-16M-4	–	16	102	30.2	25.4	21.4	15.9
KH-8-16M-6	KN-8-16M-6	16	152	30.2	25.4	21.4	15.9
KH-8-16M-9	KN-8-16M-9	16	229	30.2	25.4	21.4	15.9
KH-8-16M-12	KN-8-16M-12	16	305	30.2	25.4	21.4	15.9
KH-8-17M-3	–	17	76	31.8	25.4	25.4	17.5
KH-8-17M-4	–	17	102	31.8	25.4	25.4	17.5
KH-8-17M-6	KN-8-17M-6	17	152	31.8	25.4	25.4	17.5
KH-8-17M-9	KN-8-17M-9	17	229	31.8	25.4	25.4	17.5
KH-8-18M-3	KN-8-18M-3	18	76	31.8	25.4	25.4	17.5
KH-8-18M-4	–	18	102	31.8	25.4	25.4	17.5
KH-8-18M-6	KN-8-18M-6	18	152	31.8	25.4	25.4	17.5
KH-8-18M-9	KN-8-18M-9	18	229	31.8	25.4	25.4	17.5
–	KN-8-18M-12	18	305	31.8	25.4	25.4	17.5
KH-10-19M-3	–	19	76	34.9	31.8	26.2	16.2
KH-10-19M-6	–	19	152	34.9	31.8	26.2	16.2
KH-10-19M-9	–	19	229	34.9	31.8	26.2	16.2
KH-10-19M-12	–	19	305	34.9	31.8	26.2	16.2
–	KN-10-24M-6	24	152	34.9	31.8	34.9	16.2
–	KNS-8-18M-4	18	102	31.8	25.4	25.4	17.5

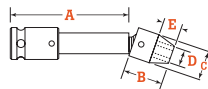
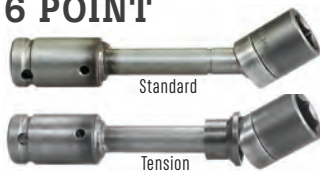


APEX UNIVERSAL WRENCHES & SOCKETS:

APEX Universal Wrenches and Sockets meet the Minimum Proof Torque requirements specified in ASME impact standards B107.2, B107.33M and B107.110. Maximum operating angle is 30 degrees for Universal Wrenches.

1/2" SQ. DR. IRONBAND™ UNIV. WRENCHES, METRIC – EXTENSION

6 POINT

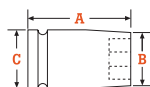


Part No. Standard	Part No. Tension	Hex Open	Overall Length (A) MM.	Socket Length (B) MM.	Socket Dia. (C) MM.	Nose End Dia. (D) MM.	Clearance Depth (E) MM.
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KHW-C-7-13M-6	KNW-C-7-13M-6	13	152	25.4	22.2	17.5	11.9
KHW-C-7-13M-9	KNW-C-7-13M-9	13	229	25.4	22.2	17.5	11.9
KHW-C-7-14M-6	KNW-C-7-14M-6	14	152	27.0	22.2	19.1	13.5
KHW-C-8-15M-6	KNW-C-8-15M-6	15	152	28.6	25.4	19.8	14.3
KHW-C-8-15M-9	—	15	229	28.6	25.4	19.8	14.3
—	KNW-C-8-15M-12	15	305	28.6	25.4	19.8	14.3
KHW-C-8-16M-6	—	16	152	30.2	25.4	21.4	15.9
KHW-C-8-16M-9	KNW-C-8-16M-9	16	229	30.2	25.4	21.4	15.9
KHW-C-8-17M-6	KNW-C-8-17M-6	17	152	31.8	25.4	25.4	17.5
KHW-C-8-17M-9	KNW-C-8-17M-9	17	229	31.8	25.4	25.4	17.5
KHW-C-8-18M-4	—	18	102	31.8	25.4	25.4	17.5
KHW-C-8-18M-6	KNW-C-8-18M-6	18	152	31.8	25.4	25.4	17.5
KHW-C-8-18M-9	KNW-C-8-18M-9	18	229	31.8	25.4	25.4	17.5

1/2" SQ. DR. SOCKETS FOR SPLINE FASTENERS

STANDARD & LONG LENGTH



Part No.	Spline Size	Nominal Size IN.	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.	Mag./ Non-Mag.
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CMS-5416	16	1/2	11/4 32	23/32 18	7/8 22	Non-Magnetic
CMS-5422	22	11/16	11/2 38	31/32 25	31/32 25	Non-Magnetic
CMS-5426	26	13/16	11/2 38	11/8 29	11/8 29	Non-Magnetic
CMS-5430	30	15/16	11/2 38	11/4 32	11/4 32	Non-Magnetic

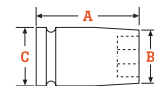


APEX SPLINE SOCKETS:

APEX Spline Sockets conform to military specifications MS-37787 and MIL-W-8982C.

1/2" SQ. DR. TORX® SOCKETS

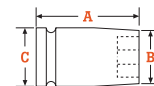
FOR EXTERNAL TORX SCREWS



Part Number	Part No. Fixed Magnet	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
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TX-5110	—	E-10	11/2 38	9/16 13	1 25
TX-5112	—	E-12	11/2 38	5/8 16	1 25
TX-5114	—	E-14	11/2 38	11/16 18	1 25
TX-5116	—	E-16	11/2 38	13/16 21	1 25
TX-5118	MTX-5118	E-18	11/2 38	7/8 22	1 25
TX-5120	—	E-20	11/2 38	1 25	13/16 30
TX-5124	—	E-24	11/2 38	15/16 33	15/16 33

FOR EXTERNAL TORX SCREWS, THIN WALL



Part Number	Driver Size	Overall Length (A) IN. MM.	Nose End Dia. (B) IN. MM.	Drive End Dia. (C) IN. MM.
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TX-5408	E-8	11/2 38	3/8 10	7/8 22
TX-5410	E-10	11/2 38	1/2 13	7/8 22
TX-5412	E-12	11/2 38	9/16 14	7/8 22
TX-5414	E-14	11/2 38	5/8 16	7/8 22
TX-5416	E-16	11/2 38	7/8 22	7/8 22
TX-5418	E-18	11/2 38	15/16 24	15/16 24
TX-5420	E-20	11/2 38	11/16 27	11/16 27

1/2" SQ. DR. EXTENSIONS

1 23/32" TO 18" LENGTH



Part Number	Male Square IN.	Type of Lock	Overall Length IN. MM.	
EX-504	1/2	Pin	1 23/32	44
EX-504-B	1/2	Ball	1 23/32	44
EX-508-2	1/2	Pin	2	51
EX-508-B-2	1/2	Ball	2	51
EX-508-3	1/2	Pin	3	76
EX-508-B-3	1/2	Ball	3	76
EX-508-4	1/2	Pin	4	102
EX-508-B-4	1/2	Ball	4	102
EX-508-5	1/2	Pin	5	127
EX-508-B-5	1/2	Ball	5	127
EX-508-6	1/2	Pin	6	152
EX-508-B-6	1/2	Ball	6	152
EX-508-8	1/2	Pin	8	203
EX-508-B-8	1/2	Ball	8	203
EX-508-9	1/2	Pin	9	229
EX-508-B-9	1/2	Ball	9	229
EX-508-10	1/2	Pin	10	254
EX-508-B-10	1/2	Ball	10	254
EX-508-12	1/2	Pin	12	305
EX-508-B-12	1/2	Ball	12	305
EX-508-15	1/2	Pin	15	381
EX-508-B-15	1/2	Ball	15	381
EX-508-16	1/2	Pin	16	406
EX-508-18	1/2	Pin	18	457
EX-508-24	1/2	Pin	24	610

1/2" SQ. DR. ADAPTERS

1/4" TO 3/4" MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length IN. MM.	
EX-260	1/2	1/4	Pin	1 1/2	38
EX-260-B	1/2	1/4	Ball	1 1/2	38
EX-258-B-2	1/2	1/4	Ball	2	51
EX-258-4	1/2	1/4	Pin	4	102
EX-375	1/2	3/8	Pin	1 1/2	38
EX-375-B	1/2	3/8	Ball	1 1/2	38
EX-377-2	1/2	3/8	Pin	2	51
EX-377-B-2	1/2	3/8	Ball	2	51
EX-377-3	1/2	3/8	Pin	3	76
EX-377-B-3	1/2	3/8	Ball	3	76
EX-377-4	1/2	3/8	Pin	4	102
EX-377-B-4	1/2	3/8	Ball	4	102
EX-377-5	1/2	3/8	Pin	5	127
EX-377-B-5	1/2	3/8	Ball	5	127
EX-377-6	1/2	3/8	Pin	6	152
EX-377-B-6	1/2	3/8	Ball	6	152
EX-377-8	1/2	3/8	Pin	8	203
EX-377-B-8	1/2	3/8	Ball	8	203
EX-377-9	1/2	3/8	Pin	9	229
EX-377-10	1/2	3/8	Pin	10	254
EX-377-B-10	1/2	3/8	Ball	10	254
EX-377-12	1/2	3/8	Pin	12	305
EX-377-B-12	1/2	3/8	Ball	12	305
EX-377-15	1/2	3/8	Pin	15	381
EX-623	1/2	5/8	Pin	1 1/2	38
EX-623-B	1/2	5/8	Ball	1 1/2	38
EX-626-3	1/2	5/8	Pin	3	76
EX-751	1/2	3/4	7/32 drill hole	1 13/16	46
EX-751-B	1/2	3/4	Ball	1 13/16	46

1/2" SQ. DR. UNIVERSAL ADAPTERS

3/8" TO 3/4" MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length		Largest Dia.	
				IN.	MM.	IN.	MM.
MF-39	1/2	3/8	Pin	2 9/16	65	7/8	22
MF-39B	1/2	3/8	Ball	2 9/16	65	7/8	22
MF-50	1/2	1/2	Pin	2 11/16	68	1	25
MF-50B	1/2	1/2	Ball	2 11/16	68	1	25
MF-55	1/2	1/2	Pin	3 1/16	78	1 1/4	32
MF-55B	1/2	1/2	Ball	3 1/16	78	1 1/4	32
MF-70	1/2	3/4	7/32 drill hole	3 5/8	92	1 1/2	38
MF-70B	1/2	3/4	Ball	3 5/8	92	1 1/2	38

1/2" SQ. DR. UNIV. ADAPTERS – EXT.

1/2" MALE SQUARE

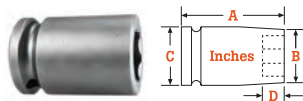


Part Number	Part No. Tension	Female Square IN.	Male Square IN.	Type of Lock	Largest Dia.	
					IN.	MM.
KHM-37-6	KNM-37-6	1/2	3/8	Pin	3/4	19
KHM-38-6	KNM-38-6	1/2	3/8	Pin	7/8	22
KHM-50-3	KNM-50-3	1/2	1/2	Pin	1	25
KHM-50-6	KNM-50-6	1/2	1/2	Pin	1	25
KHM-50-B-6	KNM-50-B-6	1/2	1/2	Ball	1	25

Maximum operating angle when using Universal Wrench is 30 degrees.

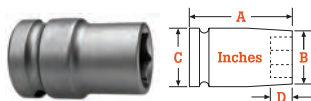
5/8" SQUARE DRIVE SOCKETS, SAE

6 POINT & DOUBLE HEX, STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
6118	-	9/16	17/8	7/8	11/4	7/16
6120	6120-D	5/8	17/8	1	11/4	7/16
6122	-	11/16	17/8	11/8	11/4	7/16
6124	-	3/4	17/8	11/4	11/4	15/32
6128	-	7/8 in	17/8	13/8	13/8	9/16
6134	-	11/16	2	15/8	15/8	11/16
6136	-	11/8	2	15/8	15/8	3/4
6140	-	11/4	2	17/8	17/8	13/16
6142	-	15/16	2	2	2	13/16
6144	-	13/8	21/8	2	2	13/16
6146	-	17/16	21/8	21/8	21/8	15/16
6148	-	11/2	21/4	21/8	21/8	1

6 POINT, THIN WALL STANDARD LENGTH



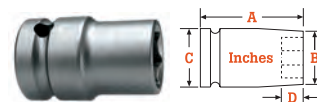
Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
6426	13/16	17/8	11/8	11/4	17/32
6430	15/16	2	15/16	15/16	5/8

6 POINT, EXTRA LONG LENGTH



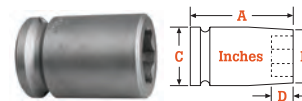
Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
6320	5/8	3 1/2	1	11/4	7/16
6322	11/16	3 1/2	11/8	11/4	7/16
6324	3/4	3 1/2	11/4	11/4	15/32
6326	13/16	3 1/2	11/4	11/4	17/32
6330	15/16	3 1/2	11/2	11/2	5/8
6336	11/8	3 1/2	15/8	15/8	3/4
6340	11/4	3 1/2	17/8	17/8	13/16
6342	15/16	3 1/2	2	2	13/16
6344	13/8	3 1/2	2	2	13/16
6348	11/2	3 1/2	21/8	21/8	1

6 POINT & DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	6520-D	5/8	3 1/2	15/16	11/4	7/16
6524	6524-D	3/4	3 1/2	11/16	11/4	15/32
-	6528-D	7/8	3 1/2	13/16	11/4	9/16

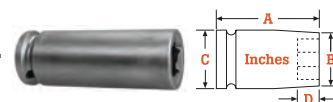
SURFACE DRIVE & FAST LEAD, STANDARD LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-6118	-	9/16	17/8	7/8	11/4	7/16
SF-6120	-	5/8	17/8	1	11/4	7/16
SF-6124	FL-6124	3/4	17/8	11/4	11/4	15/32
SF-6424*	-	3/4	17/8	11/16	11/4	15/32
SF-6128	FL-6128	7/8	17/8	13/8	13/8	9/16

* Thin wall

SURFACE DRIVE & FAST LEAD, EXTRA LONG LENGTH



Part No. Surface Drive	Part No. Fast Lead	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
SF-6320	-	5/8	3 1/2	1	11/4	7/16
SF-6324	FL-6324	3/4	3 1/2	11/4	11/4	15/32
SF-6524*	-	3/4	3 1/2	11/16	11/4	15/32
SF-6326	-	13/16	3 1/2	11/4	11/4	17/32
SF-6328	-	7/8	3 1/2	13/8	13/8	9/16
SF-6330	-	15/16	3 1/2	11/2	11/2	5/8

* Thin wall

5/8" SQ. DR. SOCKETS, METRIC

6 POINT & SURFACE DRIVE, STANDARD LENGTH



Part No. 6 Point	Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
-	SF-15MM16	15	48	23.8	31.8	11.1
16MM16	SF-16MM16	16	48	25.4	31.8	11.1
17MM16	SF-17MM16	17	48	28.6	31.8	11.1
18MM16	SF-18MM16	18	48	28.5	31.8	11.1
-	SF-19MM16	19	48	31.8	31.8	11.9
21MM16	SF-21MM16	21	48	31.8	31.8	13.5
-	SF-22MM16	22	48	34.9	34.9	14.3
24MM16	SF-24MM16	24	51	38.1	38.1	15.9

6 POINT & SURFACE DRIVE, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
-	SF-15MM36	15	89	23.8	31.8	11.1
17MM36	-	17	89	25.4	31.8	11.1
-	SF-18MM36	18	89	28.6	31.8	11.1
19MM36	SF-19MM36	19	89	31.8	31.8	11.9
21MM36	SF-21MM36	21	89	31.8	31.8	13.5
-	SF-22MM36	22	89	34.9	34.9	14.3
24MM36	SF-24MM36	24	89	38.1	38.1	15.9

5/8" SQ. DR. UNIV. ADAPTERS

1/2" TO 5/8" MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length IN. MM.	Largest Dia. IN. MM.
MF-62	5/8	5/8	Pin	3 1/4 83	1 1/4 32
MF-62B	5/8	5/8	Ball	3 1/4 83	1 1/4 32
MF-51	5/8	1/2	Pin	3 5/16 84	1 1/4 32

5/8" SQ. DR. EXT.

1 7/8" TO 12"



Part Number	Male Square IN.	Type of Lock	Overall Length IN. MM.
EX-624	5/8	Pin	1 7/8 48
EX-624-B	5/8	Ball	1 7/8 48
EX-627-3	5/8	Pin	2 76
EX-627-4	5/8	Pin	4 102
EX-627-6	5/8	Pin	6 152
EX-627-8	5/8	Pin	8 203
EX-627-10	5/8	Pin	10 254
EX-627-12	5/8	Pin	12 305

5/8" SQ. DR. ADAPTERS

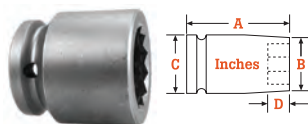
1/2" TO 3/4" MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length IN. MM.
EX-505	5/8	1/2	Pin	1 7/8 48
EX-505-B	5/8	1/2	Ball	1 7/8 48
EX-509-3	5/8	1/2	Pin	3 76
EX-509-4	5/8	1/2	Pin	4 102
EX-509-5	5/8	1/2	Pin	5 127
EX-509-6	5/8	1/2	Pin	6 152
EX-509-10	5/8	1/2	Pin	10 254
EX-509-12	5/8	1/2	Pin	12 305
EX-752	5/8	3/4	7/32 Drill Hole	1 7/8 48
EX-752-B	5/8	3/4	Ball	1 7/8 48

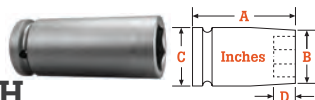
3/4" SQUARE DRIVE SOCKETS, SAE

6 POINT & DOUBLE HEX, STANDARD LENGTH



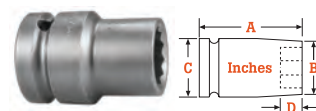
Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
7120	7120-D	5/8	2	11/16	11/2	7/16
7122	7122-D	11/16	2	11/8	11/2	7/16
7124	7124-D	3/4	2	11/4	11/2	15/32
7128	7128-D	7/8	2	11/2	11/2	9/16
7130	7130-D	15/16	2	11/2	11/2	5/8
7132	7132-D	1	2	15/8	15/8	5/8
7134	7134-D	11/16	2	13/4	13/4	11/16
7136	7136-D	11/8	21/8	13/4	13/4	3/4
7140	7140-D	11/4	21/8	2	13/4	13/16
7142	7142-D	15/16	21/8	2	13/4	13/16
7144	-	13/8	21/8	21/8	21/8	13/16
7146	-	17/16	21/4	21/4	21/8	15/16
7148	7148-D	11/2	21/4	21/4	21/8	1
7152	7152-D	15/8	21/4	21/2	21/8	11/8
7154	7154-D	111/16	21/4	21/2	21/8	11/8
7156	-	13/4	21/4	25/8	21/8	11/8
7158	-	113/16	21/4	23/4	21/8	11/4
7160	7160-D	17/8	21/4	23/4	21/8	1-1/4
7164	7164-D	2	23/8	27/8	21/8	1-3/8
7168	-	21/8	23/8	31/8	21/8	13/8
7170	7170-D	23/16	21/2	31/8	21/8	11/2
7172	7172-D	21/4	21/2	31/4	21/8	11/2
7176	-	23/8	25/8	31/2	21/8	15/8
7180	7180-D	21/2	25/8	31/2	21/8	15/8

6 POINT & DOUBLE HEX, THIN WALL, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
7524	-	3/4	4	11/8	13/8	15/32
7528	-	7/8	4	13/8	13/8	9/16
7530	7530-D	15/16	4	13/8	13/8	5/8
7536	7536-D	11/8	4	15/8	15/8	3/4
7540	-	11/4	4	13/4	13/4	13/16
7542	-	15/16	4	17/8	13/4	13/16
7548	-	11/2	4	21/8	21/8	1
7552	-	15/8	4	21/4	21/8	11/8
7556	-	13/4	4	21/2	21/8	11/8

6 POINT & DOUBLE HEX, THIN WALL STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
7424	7424-D	3/4	2	11/8	13/8	15/32
7426	-	13/16	2	11/4	13/8	17/32
7428	7428-D	7/8	2	15/16	13/8	9/16
7430	7430-D	15/16	2	13/8	13/8	5/8
7432	-	1	2	17/16	17/16	5/8
7434	-	11/16	2	11/2	11/2	11/16
7436	-	11/8	21/8	15/8	15/8	3/4
7438	-	13/16	21/8	15/8	15/8	3/4
7442	7442-D	15/16	21/8	17/8	13/4	13/16
7446	-	17/16	21/4	2	13/4	15/16
7448	-	11/2	21/4	21/8	21/8	1
7454	-	111/16	21/4	23/8	21/8	11/8
7456	-	13/4	21/4	27/16	21/8	11/8

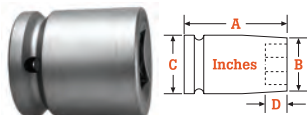
6 POINT & DOUBLE HEX, EXTRA LONG LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
7324SKT	7324-D	3/4	4	11/4	11/2	15/32
7328	-	7/8	4	17/16	11/2	9/16
7330	7330-D	15/16	4	11/2	11/2	5/8
7332	7332-D	1	4	11/2	11/2	5/8
7334	-	11/16	4	15/8	15/8	11/16
7336	7336-D	11/8	4	13/4	13/4	3/4
7340	-	11/4	4	17/8	13/4	13/16
7342	-	1-5/16	4	2	13/4	13/16
7346	-	17/16	4	21/8	21/8	15/16
7348	-	11/2	4	21/4	21/8	1
7352	-	15/8	4	21/2	21/8	11/8
7358	-	113/16	4	23/4	21/8 in	11/4
7360	-	17/8	4	23/4	21/8	11/4
7364	-	2	4 1/8	27/8	21/8	13/8
7372	-	21/4	4 1/4	31/4	21/8	11/2

3/4" SQUARE DRIVE SOCKETS FOR SAE SQUARE NUTS

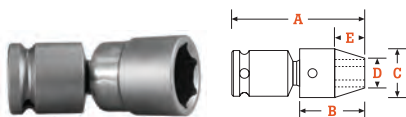
SINGLE SQUARE & DOUBLE SQUARE, STANDARD LENGTH



Part No. Single Square	Part No. Double Square	Square Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
7624	-	3/4	2	1 1/2	1 1/2	15/32
7628	-	7/8	2	1 3/4	1 3/4	5/8
7630	-	15/16	2 1/8	1 7/8	1 3/4	5/8
7632	-	1	2 1/8	2	1 3/4	5/8
7636	-	1 1/8	2 1/8	2 1/8	2 1/8	3/4
-	7836-D	1 1/8	4	2 1/8	2 1/8	3/4

3/4" SQUARE DRIVE UNIVERSAL WRENCHES, SAE

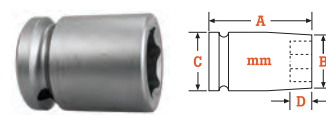
6 POINT



Part No. 6 Pt.	Hex Opening IN.	Overall Length (A) IN.	Socket Length (B) IN.	Socket Dia. (C) IN.	Nose End Dia. (D) IN.	Clearance Depth (E) IN.
SA-535	15/16	3 25/32	1 3/4	1 1/2	1 3/8	29/32
SA-537	1 1/16	3 29/32	1 7/8	1 1/2	1 5/8	1 1/32
SA-538	1 1/8	3 29/32	1 7/8	1 1/2	1 5/8	1 1/32
SA-601	15/16	4 1/32	1 15/16	1 3/4	1 1/2	29/32
SA-603	1 1/16	4 3/32	2	1 3/4	1 5/8	31/32
SA-604	1 1/8	4 5/32	2 1/16	1 3/4	1 3/4	1 1/32
SA-606	1 1/4	4 7/32	2 1/8	1 3/4	1 7/8	1 3/32
SA-607	1 5/16	4 7/32	2 1/8	1 3/4	1 7/8	1 3/32
SA-609	1 7/16	4 11/32	2 1/4	1 3/4	2 1/8	1 5/32
SA-610	1 1/2	4 11/32	2 1/4	1 3/4	2 1/4	1 5/32
SA-712	1 5/8	4 11/32	2 3/8	2	2 3/8	1 3/16
SA-715	1 13/16	4 11/32	2 3/8	2	2 5/8	1 3/16
SA-716	1 7/8	4 11/32	2 3/8	2	2 5/8	1 3/16
SA-718	2	4 15/32	2 1/2	2	2 7/8	1 5/16

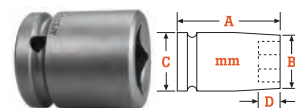
3/4" SQ. DR. SOCKETS, METRIC

6 POINT, STANDARD LENGTH



Part No. 6 Point	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
17MM17	17	51	31.8	38.1	11.1
18MM17	18	51	28.6	38.1	11.1
19MM17	19	51	31.8	38.1	11.9
20MM17	20	51	33.3	38.1	11.9
21MM17	21	51	34.9	38.1	13.5
22MM17	22	51	38.1	38.1	14.3
22MM47	22	51	33.3	34.9	14.3
24MM17	24	51	38.1	38.1	15.9
24MM47	24	51	34.9	34.9	15.9
26mm17	26	51	41.3	41.3	15.9
27MM17	27	51	44.4	44.4	17.5
27MM47	27	51	38.1	38.1	17.5
29MM17	29	54	47.6	44.4	19.1
30MM17	30	54	47.6	44.4	19.1
30MM47	30	54	41.3	41.3	19.1
32MM17	32	54	50.8	44.4	20.6
32MM47	32	54	44.4	44.4	20.6
33MM17	33	54	50.8	44.4	20.6
36MM17	36	57	57.1	54.0	23.8
37MM17	37	57	57.1	54.0	23.8
41MM17	41	57	63.5	54.0	31.8
46MM17	46	57	69.9	54.0	31.8

6 POINT & SURFACE DRIVE, STANDARD & LONG LENGTH



Part No. Surface Drive	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
SF-15MM17	15	51	23.6	38.1	11.1
VGSF-19-15MM	15	51	24.0	38.1	11.9
SF-16MM17	16	51	27	38.1	11.1
SF-17MM17	17	51	28.6	38.1	11.1
SF-18MM17	18	51	28.6	38.1	11.1
SF-18MM47	18	51	23.8	34.9	11.9
SF-18MM37	18	102	28.6	38.1	11.1
SF-19MM17	19	51	31.8	38.1	11.9
SF-21MM17	21	51	34.9	38.1	13.5
SF-21MM37	21	102	34.9	38.1	13.5
SF-22MM37	22	102	36.6	38.1	14.3
SF-24MM17	24	51	38.1	38.1	15.9
SF-24MM37	24	102	38.1	38.1	15.9

3/4" SQ. DR. SOCKETS, METRIC

6 POINT, EXTRA LONG LENGTH



Part No. 6 Point	Hex Opening IN.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
21MM37	21	102	34.9	38.1	13.5
24MM37	24	102	38.1	38.1	15.9
25MM37	25	102	38.1	38.1	15.9
27MM37	27	102	41.3	41.3	17.5
28MM37	28	101.6	44.4	44.4	19.1
29MM37	29	101.6	44.4	44.4	19.1
30MM37	30	101.6	44.4	44.4	19.1
32MM37	32	101.6	47.6	44.4	20.6
33MM37	33	101.6	50.8	44.4	20.6
34MM37	34	101.6	54.0	54.0	20.6
36MM37	36	101.6	54.0	54.0	23.8
41MM37	41	101.6	63.5	54.0	28.6
VGSF-20-15MM	15	133.4	24.7	38.1	8.7

6 POINT, THIN WALL EXTRA LONG LENGTH



Part No. 6 Point	Hex Opening IN.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
21MM57	21	102	34.9	34.9	13.5
22MM57	22	102	34.9	34.9	14.3
24MM57	24	102	34.9	34.9	15.9
27MM57	27	101.6	38.1	38.1	17.5
30MM57	30	101.6	42.9	42.9	19.1

3/4" SQ. DR. EXTENSIONS

2 1/4" TO 15"



Part Number	Male Square IN.	Type of Lock	Overall Length IN. MM.	
EX-753	3/4	7/32 Drill Hole	2 1/4	57
EX-753-B	3/4	Ball	2 1/4	57
EX-755-4	3/4	7/32 Drill Hole	4	102
EX-755-B-4	3/4	Ball	4	102
EX-755-6	3/4	7/32 Drill Hole	6	152
EX-755-B-6	3/4	Ball	6	152
EX-755-8	3/4	7/32 Drill Hole	8	203
EX-755-B-8	3/4	Ball	8	203
EX-755-10	3/4	7/32 Drill Hole	10	254
EX-755-12	3/4	7/32 Drill Hole	12	305
EX-755-B-12	3/4	Ball	12	305
EX-755-15	3/4	7/32 Drill Hole	15	381
EX-755-B-15	3/4	Ball	15	381

3/4" SQ. DR. ADAPTERS

1/2" TO 1"
MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length IN. MM.	
EX-506	3/4	1/2	Pin	2	51
EX-506-B	3/4	1/2	Ball	2	51
EX-510-3	3/4	1/2	Pin	3	76
EX-510-B-3	3/4	1/2	Ball	3	76
EX-510-4	3/4	1/2	Pin	4	102
EX-510-B-4	3/4	1/2	Ball	4	102
EX-510-B-5	3/4	1/2	Ball	5	127
EX-510-6	3/4	1/2	Pin	6	152
EX-510-B-6	3/4	1/2	Ball	6	152
EX-510-8	3/4	1/2	Pin	8	203
EX-510-B-8	3/4	1/2	Ball	8	203
EX-625	3/4	5/8	Pin	2	51
EX-625-B	3/4	5/8	Ball	2	51
EX-628-3	3/4	5/8	Pin	3	76
EX-1000	3/4	1	9/32 Drill Hole	2 9/16	65
EX-1000-B	3/4	1	Ball	2 9/16	65

3/4" SQ. DR. UNIV. ADAPTERS

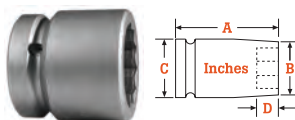
3/4" MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length		Largest Dia.	
				IN.	MM.	IN.	MM.
MF-75	3/4	3/4	7/32 Drill Hole	4	102	1 1/2	38
MF-75B	3/4	3/4	Ball	4	102	1 1/2	38
MF-76	3/4	3/4	7/32 Drill Hole	4 3/8	111	1 3/4	45
MF-76B	3/4	3/4	Ball	4 3/8	111	1 3/4	45

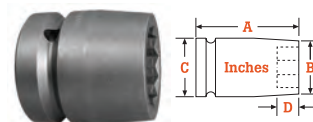
1" SQUARE DRIVE SOCKETS, SAE

6 POINT & DOUBLE HEX, STANDARD LENGTH



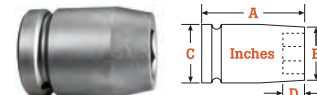
Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	8124-D	3/4	2 1/8	1 5/16	2	13/16
8126	-	13/16	2 1/8	1 3/8	2	13/16
-	8128-D	7/8	2 1/8	1 1/2	2	13/16
-	8130-D	15/16	2 1/8	1 1/2	2	13/16
-	8132-D	1	2 1/8	1 5/8	2	13/16
-	8134-D	1 1/16	2 1/8	1 11/16	2	13/16
-	8136-D	1 1/8	2 1/8	1 3/4	2	13/16
8138	8138-D	1 3/16	2 1/8	2 1/8	2	13/16
-	8140-D	1 1/4	2 1/8	2 1/8	2 1/8	13/16
8142	8142-D	1 5/16	2 1/8	2 1/8	2 1/8	13/16
-	8144-D	1 3/8	2 1/8	2 1/8	2 1/8	13/16
-	8146-D	1 7/16	2 1/4	2 1/4	2 1/8	15/16
8148	8148-D	1 1/2	2 1/4	2 1/4	2 1/8	15/16
-	8150-D	1 9/16	2 1/4	2 3/8	2 1/8	15/16
8152	-	1 5/8	2 3/8	2 1/2	2 1/8	15/16
8160	-	1 7/8	2 1/2	2 3/4	2 5/8	1 1/16
8162	8162-D	1 15/16	2 1/2	2 7/8	2 5/8	1 1/16
8170	-	2 3/16	2 3/4	3 1/4	3 1/4	1 5/16
8172	-	2 1/4	2 3/4	3 1/4	3 1/4	1 5/16
8174	-	2 5/16	2 3/4	3 3/8	3 1/4	1 3/8
8176	-	2 3/8	2 7/8	3 1/2	3 1/4	1 3/8
8180	-	2 1/2	2 7/8	3 3/4	3 1/4	1 3/8
8186	-	2 11/16	3	4	3 1/4	1 1/2
8188	-	2 3/4	3 1/8	4	3 1/4	1 5/8
8190	-	2 13/16	3 1/8	4	3 1/4	1 5/8

6 POINT & DOUBLE HEX, THIN WALL STANDARD LENGTH



Part No. 6 Point	Part No. Double Hex	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
-	8430-D	15/16	2 1/8	1 7/16	1 7/8	13/16
8432	8432-D	1	2 1/8	1 1/2	1 7/8	13/16
8434	-	1 1/16	2 1/8	1 9/16	1 7/8	13/16
8436	-	1 1/8	2 1/8	1 5/8	1 7/8	13/16
8440	8440-D	1 1/4	2 1/8	1 13/16	2	13/16
8442	8442-D	1 5/16	2 1/8	1 7/8	2	13/16
-	8444-D	1 3/8	2 1/8	1 15/16	2	13/16
8448	8448-D	1 1/2	2 1/4	2 1/8	2 1/8	15/16
8454	-	1 11/16	2 3/8	2 3/8	2 1/8	15/16
8456	-	1 3/4	2 3/8	2 7/16	2 1/8	1 1/16
8458	-	1 13/16	2 1/2	2 9/16	2 1/8	1 1/16
8460	-	1 7/8	2 1/2	2 5/8	2 5/8	1 1/16
8464	-	2	2 5/8	2 3/4	2 5/8	1 3/16
8472	-	2 1/4	2 3/4	3 1/8	2 5/8	1 5/16
8480	-	2 1/2	2 7/8	3 3/8	3 1/4	1 7/16

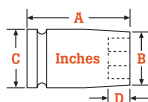
6 POINT, LONG LENGTH



Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
8228	7/8	3	1 7/16	2 1/8	9/16
8236	1 1/8	3	1 3/4	2 1/8	3/4
8240	1 1/4	3	2 1/8	2 1/8	13/16

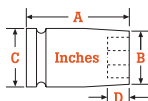
1" SQUARE DRIVE SOCKETS, SAE

6 POINT, EXTRA LONG LENGTH



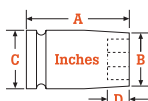
Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
8324	3/4	4 1/4	1 1/4	2 1/8	15/32
8326	13/16	4 1/4	1 3/8	2 1/8	17/32
8332	1	4 1/4	1 9/16	2 1/8	5/8
8336	1 1/8	4 1/4	1 3/4	2 1/8	3/4
8338	1 3/16	4 1/4	1 7/8	2 1/8	3/4
8340	1 1/4	4 1/4	2 1/8	2 1/8	13/16
8342	1 5/16	4 1/4	2 1/8	2 1/8	13/16
8346	1 7/16	4 1/4	2 1/4	2 1/8	15/16
8356	1-3/4	4 1/4	2 5/8	2 5/8	1 1/8
8360	1 7/8	4 1/4	2 3/4	2 5/8	1 1/4
8364	2	4 3/8	2 7/8	2 5/8	1 3/8
8370	2 3/16	4 1/2	3 1/8	2 5/8	1 1/2
8378	2 7/16	4 1/2	3 1/2	3 1/4	1 5/8
8380	2 1/2	4 1/2	3 1/2	3 1/4	1 5/8
8382	2 9/16	4 1/2	3 3/4	3 1/4	1 3/4
8384	2 5/8	4 1/2	3 3/4	3 1/4	1 3/4

6 POINT, THIN WALL, EXTRA LONG LENGTH



Part No. 6 Point	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
8530	15/16	4 1/4	1 1/2	2 1/8	5/8
8536	1 1/8	4 1/4	1 5/8	2 1/8	3/4
8540	1 1/4	4 1/4	1 13/16	2 1/8	13/16
8542	1 5/16	4 1/4	1 7/8	2 1/8	13/16

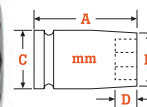
SINGLE SQUARE & DOUBLE SQUARE, STANDARD LENGTH



Part Single Square	Part No. Double Square	Hex Opening IN.	Overall Length (A) IN.	Nose End Dia. (B) IN.	Drive End Dia. (C) IN.	Opening Depth (D) IN.
8624	-	3/4	2 1/8	1 5/8	2	13/16
8632	-	1	2 1/8	2 1/8	2 1/8	13/16
8634	-	1 1/16	2 1/8	2 1/8	2 1/8	13/16
8636	-	1 1/8	2 1/4	2 1/4	2 1/8	15/16
8638	8638-D	1 3/16	2 1/4	2 1/4	2 1/8	15/16
8640	8640-D	1 1/4	2 1/4	2 3/8	2 1/8	15/16
8644	-	1 3/8	2 5/16	2 5/8	2 5/8	1
-	8646-D	1 7/16	2 3/8	2 5/8	2 5/8	1
8648	-	1 1/2	2 3/8	2 3/4	2 5/8	1 1/16
-	8652-D	1 5/8	2 1/2	2 7/8	2 5/8	1 1/16

1" SQUARE DRIVE SOCKETS, METRIC

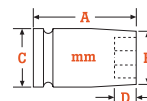
6 POINT, STANDARD LENGTH



Part No. 6 Point	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
21MM18	21	54	34.9	50.8	13.5
24MM18	24	54	38.1	50.8	20.6
27MM18	27	54	42.9	50.8	20.6
29mm18	29	54	47.6	50.8	20.6
30MM18	30	54	50.8	50.8	20.6
30MM48*	30	54	44.4	54.0	20.6
32MM18	32	54	54.0	54.0	20.6
34mm18	34	54	54.0	54.0	20.6
36MM18	36	57	57.1	54.0	23.9
41MM18	41	60	63.5	54.0	23.9
42MM18	42	60	63.5	54.0	23.9
46MM18	46	64	69.8	66.7	26.9
50MM18	50	66	76.2	66.7	30.2

*Thin wall

6 POINT, LONG LENGTH



Part No. 6 Point	Hex Opening MM.	Overall Length (A) MM.	Nose End Dia. (B) MM.	Drive End Dia. (C) MM.	Opening Depth (D) MM.
24MM38	24	108	38.1	54.0	15.9
SF-24MM38	24	108	38.1	54.0	15.9
27MM38	27	108	41.3	54.0	17.5
28MM38	28	108	44.4	54.0	19.1
33MM38	33	108	54.0	54.0	20.6
36MM38	36	108	54.0	54.0	23.8
37MM38	37	108	57.1	54.0	23.8
46MM38	46	108	69.8	66.7	31.8
50MM38	50	111	73.0	66.7	34.9

1" SQ. DR. EXTENSIONS

2 13/16" TO 15"
LENGTH



Part Number	Male Square IN.	Type of Lock	Overall Length	
			IN.	MM.
EX-1001	1	9/32 Drill Hole	2 13/16	71
EX-1001-B	1	Ball	2 13/16	71
EX-1003-4	1	9/32 Drill Hole	4	102
EX-1003-B-4	1	Ball	4	102
EX-1003-6	1	9/32 Drill Hole	6	152
EX-1003-B-6	1	Ball	6	152
EX-1003-8	1	9/32 Drill Hole	8	203
EX-1003-B-8	1	Ball	8	203
EX-1003-10	1	9/32 Drill Hole	10	254
EX-1003-B-10	1	Ball	10	254
EX-1003-12	1	9/32 Drill Hole	12	305
EX-1003-B-12	1	Ball	12	305
EX-1003-15	1	9/32 Drill Hole	15	381
EX-1003-B-15	1	Ball	15	381

1" SQ. DR. ADAPTERS

3/4" TO 1 1/2"
MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length	
				IN.	MM.
EX-754	1	3/4	7/32 Drill Hole	2 13/16	71
EX-754-B	1	3/4	Ball	2 13/16	71
EX-756-4	1	3/4	7/32 Drill Hole	4	102
EX-756-6	1	3/4	7/32 Drill Hole	6	152
EX-756-8	1	3/4	7/32 Drill Hole	8	203
EX-756-B-8	1	3/4	Ball	8	203
EX-1101	1	1 1/2	3/8 Drill Hole	3 9/16	91

1" SQ. DR. UNIVERSAL ADAPTERS

3/4" TO 1"
MALE SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length		Largest Dia.	
				IN.	MM.	IN.	MM.
MF-77-B	1	3/4	Ball	4 3/4	121	2	51
MF-82-B	1	1	Ball	5	127	2	51

1 1/2" SQ. DR. SOCKETS, SAE

6 POINT,
STANDARD LENGTH



Part No. 6 Point	Hex Opening IN.	Overall Length MM.	Nose End Dia. MM.	Drive End Dia. MM.	Opening Depth MM.
9172	2 1/4	3 1/4	3 3/8	3 1/4	1 1/2

1 1/2" SQ. DR. ADAPTERS

1" MALE
SQUARE



Part Number	Female Square IN.	Male Square IN.	Type of Lock	Overall Length	
				IN.	MM.
EX-1005	1 1/2	1	9/32 Drill Hole	3 15/16	100
EX-1005-B	1 1/2	1	Ball	3 15/16	100