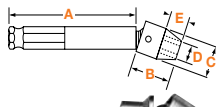


1/4" Male Hex Universal Wrenches

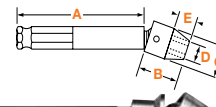
SAE 6 Point, Standard & Tension Type – Extension



Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Socket Diameter (D) In.	Nose End Diameter (E) In.	Clearance Depth (F) In.
KC-25-3	-	1/4	3	3/4	5/8	3/8	3/8	3/8
KC-25-4	-	1/4	4	3/4	5/8	3/8	3/8	3/8
KC-25-6	KS-25-6	1/4	6	3/4	5/8	3/8	3/8	3/8
KC-25-9	-	1/4	9	3/4	5/8	3/8	3/8	3/8
KC-25-12	-	1/4	12	3/4	5/8	3/8	3/8	3/8
KC-26-3	-	5/16	3	3/4	5/8	7/16	3/8	3/8
KC-26-6	KS-26-6	5/16	6	3/4	5/8	7/16	3/8	3/8
KC-26-9	-	5/16	9	3/4	5/8	7/16	3/8	3/8
KC-26-12	KS-26-12	5/16	12	3/4	5/8	7/16	3/8	3/8
-	KS-100-6	5/16	6	3/4	3/4	7/16	5/16	5/16
KC-27-3	-	11/32	3	3/4	5/8	1/2	3/8	3/8
KC-27-6	-	11/32	6	3/4	5/8	1/2	3/8	3/8
KC-101-6	-	11/32	6	3/4	3/4	15/32	5/16	5/16
KC-28-3	-	3/8	3	13/16	5/8	9/16	7/16	7/16
KC-28-6	KS-28-6	3/8	6	13/16	5/8	9/16	7/16	7/16
-	KS-28-12	3/8	12	13/16	5/8	9/16	7/16	7/16
-	KS-102-6	3/8	6	13/16	3/4	9/16	3/8	3/8
KC-29-3	-	7/16	3	7/8	5/8	5/8	1/2	1/2
KC-29-6	KS-29-6	7/16	6	7/8	5/8	5/8	1/2	1/2
KC-30-3	-	1/2	3	7/8	11/16	11/16	1/2	1/2
KC-30-4	-	1/2	4	7/8	11/16	11/16	1/2	1/2
KC-30-6	KS-30-6	1/2	6	7/8	11/16	11/16	1/2	1/2
KC-30-9	-	1/2	9	7/8	11/16	11/16	1/2	1/2
-	KS-104-6	1/2	6	1	3/4	3/4	9/16	9/16
KC-105-6	KS-105-6	9/16	6	1	13/16	13/16	9/16	9/16
-	KS-105-9	9/16	9	1	13/16	13/16	9/16	9/16

7/16" Male Hex Universal Wrenches

SAE 6 Point, Standard & Tension Type – Extension



Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Socket Diameter (D) In.	Nose End Diameter (E) In.	Clearance Depth (F) In.
KB-43-6	-	3/8	6	13/16	5/8	7/32	7/16	7/16
-	KT-44-6	7/16	6	7/8	5/8	5/8	1/2	1/2
KB-45-3	-	1/2	3	7/8	11/16	11/16	1/2	1/2
KB-45-4	-	1/2	4	7/8	11/16	11/16	1/2	1/2
KB-104-6	KT-104-6	1/2	6	1	3/4	3/4	9/16	9/16
KB-202-6	KT-202-6	1/2	6	1	7/8	11/16	15/32	15/32
-	KT-202-9	1/2	9	1	7/8	11/16	15/32	15/32
KB-202-12	KT-202-12	1/2	12	1	7/8	11/16	15/32	15/32
KB-317-9	KT-317-9	1/2	9	1	1	11/16	7/16	7/16
KB-105-3	-	9/16	3	1	13/16	13/16	9/16	9/16
-	KT-105-6	9/16	6	1	13/16	13/16	9/16	9/16
-	KT-105-9	9/16	9	1	13/16	13/16	9/16	9/16
-	KT-105-12	9/16	12	1	13/16	13/16	9/16	9/16
-	KT-203-6	9/16	6	1 1/16	7/8	3/4	17/32	17/32
KB-203-9	KT-203-9	9/16	9	1 1/16	7/8	3/4	17/32	17/32
KB-203-12	KT-203-12	9/16	12	1 1/16	7/8	3/4	17/32	17/32
-	KT-318-6	9/16	6	1 1/8	1	3/4	9/16	9/16
KB-318-12	-	9/16	12	1 1/8	1	3/4	9/16	9/16
KB-205-6	KT-205-6	5/8	6	1 1/8	7/8	7/8	19/32	19/32
KB-205-12	KT-205-12	5/8	12	1 1/8	7/8	7/8	19/32	19/32
KB-320-6	KT-320-6	5/8	6	1 3/16	1	27/32	5/8	5/8
-	KT-320-9	5/8	9	1 3/16	1	27/32	5/8	5/8
-	KT-320-12	5/8	12	1 3/16	1	27/32	5/8	5/8
KB-321-6	-	11/16	6	1 1/4	1	1	11/16	11/16
KB-322-3	-	3/4	3	1 1/4	1 1/8	1 1/8	11/16	11/16
KB-322-6	KT-322-6	3/4	6	1 1/4	1 1/8	1 1/8	11/16	11/16
-	KT-322-9	3/4	9	1 1/4	1 1/8	1 1/8	11/16	11/16

Metric 6 Point, Standard & Tension Type – Extension

Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Socket Diameter (D) mm	Nose End Diameter (E) mm	Clearance Depth (F) mm
KC-5-7m-4	-	7	102	19.1	15.9	10.3	9.5	9.5
KC-5-7m-6	KS-5-7m-6	7	152	19.1	15.9	10.3	9.5	9.5
-	KS-5-7m-9	7	229	19.1	15.9	10.3	9.5	9.5
KC-6-8m-3	-	8	76	19.1	19.1	11.1	7.9	7.9
KC-6-8m-4	-	8	102	19.1	19.1	11.1	7.9	7.9
KC-6-8m-6	KS-6-8m-6	8	152	19.1	19.1	11.1	7.9	7.9
-	KS-6-8m-9	8	229	19.1	19.1	11.1	7.9	7.9
KC-6-9m-6	-	9	152	19.1	19.1	12.7	7.9	7.9
KC-6-10m-3	-	10	76	20.6	19.1	15.1	9.5	9.5
KC-6-10m-4	-	10	102	20.6	19.1	15.1	9.5	9.5
KC-6-10m-6	KS-6-10m-6	10	152	20.6	19.1	15.1	9.5	9.5
KC-6-10m-9	KS-6-10m-9	10	229	20.6	19.1	15.1	9.5	9.5
KC-6-10m-12	-	10	305	20.6	19.1	15.1	9.5	9.5
KC-7-11m-6	KS-7-11m-6	11	152	23.8	22.2	15.9	10.3	10.3
KC-7-12m-3	-	12	76	23.8	22.2	17.5	10.3	10.3
KC-7-12m-6	-	12	152	23.8	22.2	17.5	10.3	10.3
KC-7-12m-9	-	12	229	23.8	22.2	17.5	10.3	10.3
KC-7-13m-3	-	13	76	25.4	22.2	17.5	11.9	11.9
KC-7-13m-6	KS-7-13m-6	13	152	25.4	22.2	17.5	11.9	11.9
KC-7-13m-9	KS-7-13m-9	13	229	25.4	22.2	17.5	11.9	11.9

Actual design of universal wrenches may not be exactly like pictures above.

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.-

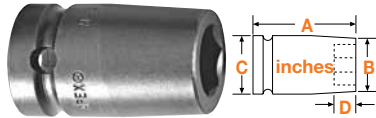
Metric 6 Point, Standard & Tension Type – Extension

Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Socket Diameter (D) mm	Nose End Diameter (E) mm	Clearance Depth (F) mm
KB-6-10m-6	KT-6-10m-6	10	152	20.6	19.1	15.1	9.5	9.5
-	KT-6-10m-9	10	229	20.6	19.1	15.1	9.5	9.5
-	KT-6-10m-12	10	305	20.6	19.1	15.1	9.5	9.5
KB-7-11m-6	-	11	152	23.8	22.2	15.9	10.3	10.3
KB-7-13m-3	-	13	76	25.4	22.2	17.5	11.9	11.9
KB-7-13m-6	KT-7-13m-6	13	152	25.4	22.2	17.5	11.9	11.9
KB-7-13m-9	KT-7-13m-9	13	229	25.4	22.2	17.5	11.9	11.9
KB-7-13m-12	-	13	305	25.4	22.2	17.5	11.9	11.9
KB-7-14m-6	KT-7-14m-6	14	152	27.0	22.2	19.1	13.5	13.5
-	KT-7-14m-12	14	305	27.0	22.2	19.1	14.3	14.3
-	KT-7-15m-6	15	152	27.0	22.2	19.1	14.3	14.3
KB-8-15m-6	KT-8-15m-6	15	152	28.6	25.4	19.8	14.3	14.3
KB-8-15m-9	KT-8-15m-9	15	229	28.6	25.4	19.8	14.3	14.3
KB-8-15m-12	KT-8-15m-12	15	305	28.6	25.4	19.8	14.3	14.3
KB-8-16m-6	KT-8-16m-6	16	152	30.2	25.4	21.4	15.9	15.9
KB-8-16m-9	KT-8-16m-9	16	229	30.2	25.4	21.4	15.9	15.9
-	KT-8-16m-12	16	305	30.2	25.4	21.4	15.9	15.9
-	KT-8-17m-6	17	152	31.8	25.4	25.4	17.5	17.5
KB-8-17m-12	KT-8-17m-12	17	305	31.8	25.4	25.4	17.5	17.5
KB-8-18m-6	KT-8-18m-6	18	152	31.8	25.4	25.4	17.5	17.5
-	KT-8-18m-9	18	229	31.8	25.4	25.4	17.5	17.5
-	KT-8-18m-12	18	305	31.8	25.4	25.4	17.5	17.5
KB-10-19m-6	KT-10-19m-6	19	152	34.9	31.8	26.2	16.3	16.3

Actual design of universal wrenches may not be exactly like pictures above.

1/4" Sq. Dr. Sockets For SAE Sheet Metal Screws

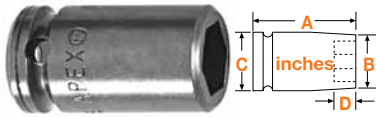
6 Point & 6 Point Magnetic, For Predrilled Holes*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	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; sockets for self-drilling and tapping screws are maximum hardness.

6 Point & 6 Point Magnetic, for Self-Drilling and Tapping Screws*



Part Number 6 Point	Part Number Magnetic	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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

*Sockets for predrilled holes are intermediate hardness; sockets for self-drilling and tapping screws are maximum hardness.

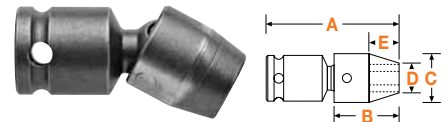
1/4" Sq. Dr. Sockets For SAE Square Nuts

Single Square & Double Square



Part Number Square	Part No. Double Square	Hex Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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



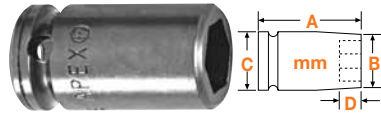
6 Point and Double Hex

Part Number 6 Point	Part Number Double Hex	Hex Opening In.	Overall Length (A)	Socket Length (B)	Socket Diameter (C)	Nose End Diameter (D)	Clearance Depth (E)
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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/4" Sq. Dr. Sockets For Metric Sheet Metal Screws

6 Point and 6 Point Magnetic

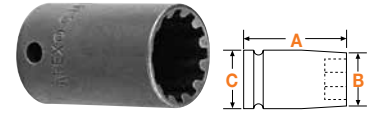


Part Number 6 Point	Part Number Magnetic	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
3.5mmE1	-	3.5	22.2	6.4	12.7	2.4
4mmE1	M-4mmE1	4	22.2	6.4	12.7	2.4
-	M-5mmE1	5	22.2	8.7	12.7	3.9
5.5mmE1	M-5.5mmE1	5.5	22.2	9.5	12.7	3.9
6mmE1	M-6mmE1	6	22.2	9.5	12.7	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" Sq. Dr. Sockets For Spline Fasteners

Standard and Long Length

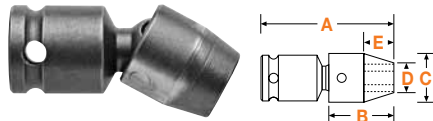


Part Number	Spline Size	Nominal Size	Overall Length (A)		Diameter Nose End (B)		Diameter Drive End (C)	
			In.	mm	In.	mm	In.	mm
CMS-1507	7	7/32	2	51	21/64	8	7/16	11
CMS-1408	8	1/4	7/8	22	3/8	10	7/16	11
CMS-1508	8	1/4	2	51	3/8	10	7/16	11
CMS-1409	9	9/32	7/8	22	7/16	11	7/16	11
CMS-1509	9	9/32	2	51	7/16	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 conform to military specifications MS-37787 and MIL-W-8982C.

1/4" Sq. Dr. Universal Wrenches, Metric

6 Point



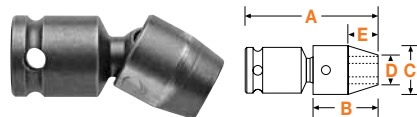
Part Number 6 Point	Hex Opening mm	Overall Length (A)	Socket Length (B)	Socket Diameter (C)	Nose End Diameter (D)	Opening Depth (E)
SA-15-6M	6	31	19.1	15.9	9.5	9.5
SA-15-7M	7	31	19.1	15.9	10.3	9.5
SA-16-8M	8	38	19.1	19.1	11.1	7.9
SA-16-10M	10	40	20.6	19.1	15.1	9.5

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

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3/8" Sq. Dr. Universal Wrenches, SAE

6 Point & 12 Point

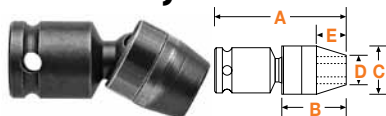


Part Number 6 Point	Part Number 12 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance Depth (E) In.
SA-120	SA-120-D	5/16	1 53/64	3/4	3/4	7/16	5/16
SA-122	SA-122-D	3/8	1 57/64	13/16	3/4	9/16	3/8
SA-200	-	3/8	1 15/16	7/8	7/8	9/16	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	-	11/16	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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Universal Wrenches, SAE

6 Point



Part Number	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

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

3/8" Sq. Dr. Universal Wrenches, SAE – Extension

6 Point Standard and Tension Type



Part Number Standard	Part Number Tension	Hex Opening In.	Overall 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	11/16	11/16	1/2
KA-45-4	-	1/2	4	7/8	11/16	11/16	1/2
KA-45-6	KD-45-6	1/2	6	7/8	11/16	11/16	1/2
KA-45-9	-	1/2	9	7/8	11/16	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	13/16	13/16	9/16
KA-105-4	-	9/16	4	1	13/16	13/16	9/16
KA-105-6	KD-105-6	9/16	6	1	13/16	13/16	9/16
KA-105-9	-	9/16	9	1	13/16	13/16	9/16
KA-205-3	-	5/8	3	1 1/8	7/8	7/8	19/32
-	KD-205-6	5/8	6	1 1/8	7/8	7/8	19/32

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Univ. Wrenches, SAE – Extension

6 Point Standard and Tension Type



Part Number Standard	Part Number Tension	Hex Open. In.	OA L. (A) In.	Soc. L. (B) In.	Soc. Dia. (C) In.	Nose Dia. (D) In.	Clear. Depth (E) In.
KAW-C-43-6	KDW-C-43-6	3/8	6	.81	.63	.53	.44
KAW-C-44-6	KDW-C-44-6	7/16	6	.88	.63	.63	.50
KAW-C-45-6	KDW-C-45-6	1/2	6	.88	.69	.69	.50
KAW-C-104-9	-	1/2	9	1.00	.75	.75	.56
-	KDW-C-104-12	1/2	12	1.00	.75	.75	.56
KAW-C-105-6	KDW-C-105-6	9/16	6	1.00	.81	.81	.56

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. Socket Head Bits, SAE

Complete, Adapter Only, Insert Only



Complete	Part Number Adapter Only	Insert Only	Hex Size	Overall Length In.	mm	Length of Insert (A) In.	mm
SZ-10	SC-314	SZ-10-A	1/8	2 1/4	57	1 3/8	35
SZ-11	SC-314	SZ-11-A	5/32	2 1/4	57	1 3/8	35
SZ-12	SC-314	SZ-12-A	3/16	2 1/4	57	1 3/8	35
SZ-13	SC-314	SZ-13-A	7/32	2 1/4	57	1 3/8	35
SZ-14	SC-314	SZ-14-A	1/4	2 1/4	57	1 3/8	35
SZ-15	SC-314	SZ-15-A	5/16	2 1/4	57	1 3/8	35
SZ-16	SC-314	SZ-16-A	3/8	2 1/4	57	1 3/8	35

See page 35 for more 3/8" drive complete socket head bits.

3/8" Sq. Dr. Socket Sets, Metric

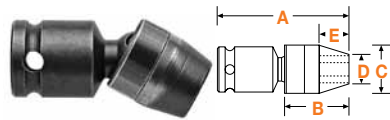
6 Point



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™ Universal Wrenches, Metric



6 Point

Part Number 6 Point	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. Universal Wrench Set, Metric



6 Point

APU37M 7 piece, standard length:
10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm

3/8" Sq. Dr. Universal Wrenches, Metric – Extension

6 Point Standard and Tension Type



Part Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (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	15.1	9.5
KA-6-10m-9	KD-6-10m-9	10	229	20.6	19.1	15.1	9.5
-	KD-6-10m-12	10	305	20.6	19.1	15.1	9.5
-	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	23.8	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	25.4	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	27.0	22.2	19.1	13.5
-	KD-7-14m-9	14	229	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	28.6	25.4	19.8	14.3
KA-8-15m-12	KD-8-15m-12	15	305	28.6	25.4	19.8	14.3

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. IronBand™ Univ. Wrenches, Metric

6 Point Standard and Tension Type



Part Number Standard	Part Number Tension	Hex Open. mm	OA L. (A) mm	Soc. L. (B) mm	Soc. Dia. (C) mm	Nose Dia. (D) mm	Clear. Depth (E) mm
KAW-C-6-10M-6	KDW-C-6-10M-6	10	152	20.6	19.1	15.1	9.5
KAW-C-6-10M-9	KDW-C-6-10M-9	10	229	20.6	19.1	15.1	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
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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

3/8" Sq. Dr. Extensions

1 1/4" to 18" (32mm to 457mm)
Length



Part Number	Male Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-374	3/8	Pin	1 3/8	34
EX-374-B	3/8	Ball	1 3/8	34
EX-376-2	3/8	Pin	2	51
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	12	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 Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm
EX-254	1/4	3/8	Pin	1 1/4	32
EX-254-B	1/4	3/8	Ball	1 1/4	32
EX-257-2	1/4	3/8	Pin	2	51
EX-257-B-2	1/4	3/8	Ball	2	51
EX-257-3	1/4	3/8	Pin	3	76
EX-257-B-3	1/4	3/8	Ball	3	76
EX-257-4	1/4	3/8	Pin	4	102
EX-257-B-4	1/4	3/8	Ball	4	102
EX-257-5	1/4	3/8	Pin	5	127
EX-257-B-5	1/4	3/8	Ball	5	127
EX-257-6	1/4	3/8	Pin	6	152
EX-257-B-6	1/4	3/8	Ball	6	152
EX-503	1/2	3/8	Pin	1 1/2	38
EX-503-B	1/2	3/8	Ball	1 1/2	38
EX-507-2	1/2	3/8	Pin	2	51
EX-507-3	1/2	3/8	Pin	3	76
EX-507-B-3	1/2	3/8	Ball	3	76
EX-507-4	1/2	3/8	Pin	4	102
EX-507-B-4	1/2	3/8	Ball	4	102
EX-507-6	1/2	3/8	Pin	6	152
EX-507-B-6	1/2	3/8	Ball	6	152
EX-622	5/8	3/8	Pin	1 1/2	38
EX-750	3/4	3/8	7/32 Drill Hole	1 1/2	38
EX-750-B	3/4	3/8	Ball	1 1/2	38

3/8" Sq. Dr. Universal Adapters

Male Square to Female Square



Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter In.	Largest Diameter mm
MF-27	1/4	3/8	Pin	1 5/16	49	3/4	19
MF-27-B	1/4	3/8	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

*Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.*

3/8" Sq. Dr. Universal Adapters - Extension



(Standard Type Shown)

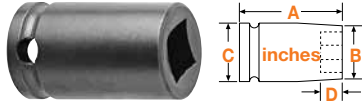
Male Square to Female Square

Part No. Standard	Part No. Tension	Male Square In.	Female Square In.	Type of Lock	Largest Diameter In.	Largest Diameter mm
KAM-37-3	KDM-37-3	3/8	3/8	Pin	3/4	19
-	KDM-37-6	3/8	3/8	Pin	3/4	19
-	KDM-37-B-3	3/8	3/8	Ball	3/4	19
KAM-38-6	KDM-38-6	3/8	3/8	Pin	7/8	22

Standard lengths are 3", 6", 9" and 12" (76, 152, 229 and 305mm)

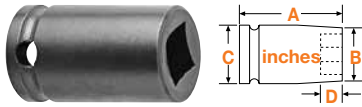
1/2" Sq. Dr. Sockets For SAE Square Nuts

Single Square & Double Square, Standard Length



Part No. Single Square	Part No. Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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	1 1/8	1 1/8	7/16
5620	5620-D	5/8	1 1/2	1 1/4	1 1/4	7/16
5622	-	11/16	1 1/2	1 1/4	1 1/4	7/16
5624	5624-D	3/4	1 1/2	1 3/8	1 3/8	15/32
5626	-	13/16	1 1/2	1 1/2	1 1/2	17/32
5628	-	7/8	1 1/2	1 5/8	1 5/8	5/8
5632	-	1	1 5/8	1 3/4	1 3/4	5/8
5634	-	1 1/16	1 3/4	1 7/8	1 7/8	11/16
5636	5636-D	1 1/8	1 3/4	2	2	3/4

Single Square & Double Square, Thin Wall, Standard Length



Part Number Square	Part Number Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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	1 3/32	1 1/8	7/16

Single Square & Double Square, Long & Extra Long Length



Part Number Square	Part Number Double Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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 Sets, SAE

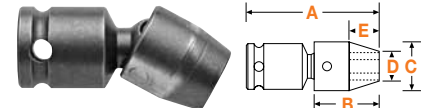


6 Point

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. Universal Wrenches, SAE

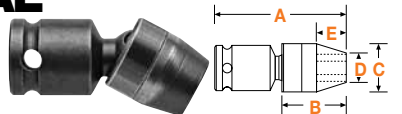
6 Point & Double Hex



Part Number 6 Point	Part Number 12 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (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	1 1/32
SA-510	-	1 1/4	3 13/32	2	1 3/4	1 3/4	1 5/32

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. IronBand™ Univ. Wrenches, SAE



6 Point

Part Number	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Clearance 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	1.13	1.13	.69
SA-C-407	7/8	2.89	1.38	1.19	1.31	.64
SA-C-409	15/16	2.89	1.38	1.31	1.31	.64
SA-C-410	1	2.95	1.44	1.50	1.50	.70
SA-C-411	1 1/16	3.02	1.50	1.50	1.50	.77
SA-C-508	1 1/8	3.28	1.88	1.63	1.63	1.03
SA-C-510	1 1/4	3.41	2.00	1.75	1.75	1.16

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. Universal Wrench Set, SAE

6 Point



APU56

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

Universal Wrenches 1/2" Sq. Dr., SAE - Extension

6 Point, Standard and Tension Type



Part Number Standard	Part Number Tension	Hex Opening In.	Shank Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (D) In.	Opening Depth (E) In.
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	11/16	11/16	1/2
KH-45-4	-	1/2	4	7/8	11/16	11/16	1/2
KH-45-6	KN-45-6	1/2	6	7/8	11/16	11/16	1/2
-	KN-45-9	1/2	9	7/8	11/16	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	9	1	7/8	11/16	15/32
KH-105-3	-	9/16	3	1	13/16	13/16	9/16
KH-105-6	KN-105-6	9/16	6	1	13/16	13/16	9/16
-	KN-105-9	9/16	9	1	13/16	13/16	9/16
KH-105-12	KN-105-12	9/16	12	1	13/16	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-205-3	-	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
-	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	-	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 1/8	1 1/8	11/16
-	KN-322-9	3/4	9	1 1/4	1 1/8	1 1/8	11/16
-	KN-322-12	3/4	12	1 1/4	1 1/8	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 5/16	1 5/16	41/64
KH-409-4	-	15/16	4	1 3/8	1 5/16	1 5/16	41/64
KH-409-6	-	15/16	6	1 3/8	1 5/16	1 5/16	41/64
KH-409-12	-	15/16	12	1 3/8	1 5/16	1 5/16	41/64

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°. Actual design of universal wrenches may not be exactly like pictures above.

1/2" Sq. Dr. IronBand™ Univ. Wrenches, SAE - Extension

6 Point

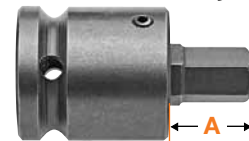


Part Number Standard	Part Number Tension	Hex Open. In.	OA L. (A) In.	Soc. L. (B) In.	Soc. Dia. (C) In.	Nose Dia. (D) In.	Clear. Depth (E) In.
KHW-C-43-6	KNW-C-43-6	3/8	6	.81	.63	.53	.44
KHW-C-44-6	KNW-C-44-6	7/16	6	.88	.63	.63	.50
KHW-C-45-6	KNW-C-45-6	1/2	6	.88	.69	.69	.50
KHW-C-105-6	KNW-C-105-6	9/16	6	1.00	.81	.81	.56
KHW-C-105-12	KNW-C-105-12	9/16	12	1.00	.81	.81	.56
KHW-C-205-6	KNW-C-205-6	5/8	6	1.13	.88	.88	.59
KHW-C-205-12	KNW-C-205-12	5/8	12	1.13	.88	.88	.59
KHW-C-322-6	KNW-C-322-6	3/4	6	1.25	1.13	1.13	.69
-	KNW-C-322-12	3/4	12	1.25	1.13	1.13	.69
KHW-C-409-6	-	15/16	6	1.38	1.31	1.31	.64

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. Socket Head Bits, SAE

Complete, Adapter Only, Insert Only



Complete	Adapter Only	Insert Only	Hex Size	Overall Length In.	mm	Length of Insert (A) In.	mm
SZ-22	SC-514	SZ-14-A	1/4	2 1/2	64	1 3/8	35
SZ-23	SC-514	SZ-15-A	5/16	2 1/2	64	1 3/8	35
SZ-24	SC-514	SZ-16-A	3/8	2 1/2	64	1 3/8	35
SZ-25	SC-514	SZ-17-A	1/2	2 1/2	64	1 3/8	35
SZ-42	SC-520	SZ-31-A	1/2	2 1/2	64	1 9/16	35
SZ-43	SC-514	SZ-18-A	9/16	2 1/2	64	1 3/8	35
SZ-44	SC-529	SZ-32-A	9/16	2 1/2	64	1 9/16	35
SZ-26	SC-514	SZ-19-A	5/8	2 1/2	64	1 3/8	35

For a complete listing, see page 19. Adapters with an "SC" prefix feature a set screw for locking in the bit. An "RP" prefix indicates adapters with a roll pin that is inserted through the bit.

1/2" Sq. Dr. Socket Sets, Metric

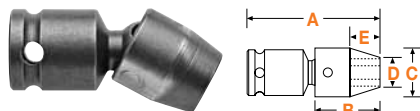
6 Point



APS511M 11 piece, standard length:
10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm,
18mm, 19mm, 21mm

1/2" Sq. Dr. Universal Wrenches, Metric

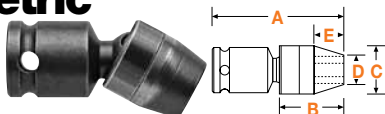
6 Point



Part Number 6 Point	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (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-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" Sq. Dr. IronBand™ Univ. Wrenches, Metric

6 Point



Part Number	Hex Opening mm	Overall Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. Universal 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 Number Standard	Part Number Tension	Hex Opening mm	Shank Length (A) mm	Socket Length (B) mm	Socket Diameter (C) mm	Nose End Diameter (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-8-15m-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-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	-	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	16.3
KH-10-19m-6	-	19	152	34.9	31.8	26.2	16.3
KH-10-19m-9	-	19	229	34.9	31.8	26.2	16.3
KH-10-19m-12	-	19	305	34.9	31.8	26.2	16.3

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. IronBand™ Univ. Wrenches, Metric - Extension

6 Point



Part Number Standard	Part Number Tension	Hex Open. mm	OA L. (A) mm	Soc. L. (B) mm	Soc. Dia. (C) mm	Nose Dia. (D) mm	Clear. Depth (E) mm
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	KNW-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-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-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

Universal wrenches must not be used with impact drivers. Maximum operating angle is 30°.

1/2" Sq. Dr. Adapters

5/8" to 3/4" Male Square



Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	mm
EX-623	5/8	1/2	Pin	1 1/2	38
EX-623-B	5/8	1/2	Ball	1 1/2	38
EX-626-3	5/8	1/2	Pin	3	76
EX-751	3/4	1/2	7/32 drill hole	1 13/16	46
EX-751-B	3/4	1/2	Ball	1 13/16	46

1/2" Sq. Dr. Universal Adapters

3/8" to 3/4" Male Square



Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Overall Length In.	mm	Largest Diameter in.	mm
MF-39	3/8	1/2	Pin	2 9/16	65	7/8	22
MF-39B	3/8	1/2	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	3/4	1/2	7/32 drill hole	3 5/8	92	1 1/2	38
MF-70B	3/4	1/2	Ball	3 5/8	92	1 1/2	38

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

1/2" Sq. Dr. Universal Adapters – Extension



(Standard Type Shown)

1/2" Male Square

Part Number	Male Sq. In.	Female Sq. In.	Type of Lock	Largest Dia. In.	mm
KHM-37-6	3/8	1/2	Pin	3/4	19
KHM-38-6	3/8	1/2	Pin	7/8	22
KHM-50-6	1/2	1/2	Pin	1	25
KHM-50-B-6	1/2	1/2	Ball	1	25

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.
Standard lengths are 3", 6", 9" and 12" (76, 152, 229 and 305mm)

If the tool you need does not appear in this catalog, give us a call. The odds are, we may have what you need as a non-catalog item. If not, our experienced staff of tooling experts can design and manufacture "specials" to meet the needs of your specific application. Give us a call at 1-800-845-5629 or visit our website www.apex-tools.com.

5/8" Sq. Dr. Sockets, Metric

6 Point & Surface Drive, Standard Length



Part Number 6 Point	Part No. Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	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 Number 6 Point	Part No. Surface Drive	Hex Opening mm	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
-	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. Extensions

1 7/8" to 15"
(48mm to 381mm)
Length



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

5/8" Sq. Dr. Universal Adapters

1/2" to 5/8"
Male Square

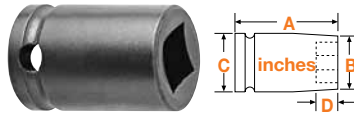


Part Number	Male Square In.	Female Square In.	Type of Lock	Overall Length In.	Overall Length mm	Largest Diameter in.	Largest Diameter mm
MF-51	1/2	5/8	Pin	3 5/16	84	1 1/4	32
MF-62	5/8	5/8	Pin	3 1/4	83	1 1/4	32
MF-62B	5/8	5/8	Ball	3 1/4	83	1 1/4	32

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.-

3/4" Square Drive Sockets For SAE Square Nuts

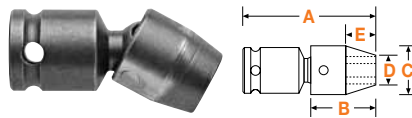
Single Square &
Double Square,
Standard Length



Part No. Single Square	Square Opening In.	Overall Length (A)	Diameter Nose End (B)	Diameter Drive End (C)	Opening Depth (D)
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

3/4" Square Drive Universal Wrenches, SAE

6 Point



Part Number 6 Point	Hex Opening In.	Overall Length (A) In.	Socket Length (B) In.	Socket Diameter (C) In.	Nose End Diameter (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-601	15/16	4 1/32	1 15/16	1 3/4	1 1/2	29/32
SA-537	1 1/16	3 29/32	1 7/8	1 5/8	1 5/8	1 1/32
SA-603	1 1/16	4 3/32	2	1 3/4	1 5/8	31/32
SA-538	1 1/8	3 29/32	1 7/8	1 5/8	1 5/8	1 1/32
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 7/8	1 7/8	1 3/32
SA-607	1 5/16	4 7/32	2 1/8	1 7/8	1 7/8	1 3/32
SA-609	1 7/16	4 11/32	2 1/4	2 1/8	2 1/8	1 5/32
SA-610	1 1/2	4 11/32	2 1/4	2 1/4	2 1/4	1 5/32
SA-712	1 5/8	4 11/32	2 3/8	2 3/8	2 3/8	1 3/16
SA-716	1 7/8	4 11/32	2 3/8	2 5/8	2 5/8	1 3/16

Universal wrenches must not be used with impact drivers.
Maximum operating angle is 30°.