

WRENCHES

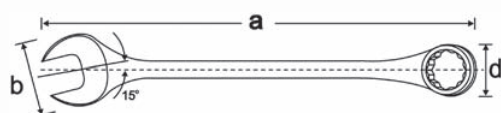


6 & 12 Point SAE Combination Wrenches - 15° Offset

Hex Size	12 Point Mirror Chrome Part No.	6 Point Mirror Chrome Part No.	12 Point Satin Chrome Part No.	12 Point Black Oxide Part No.	Overall Length in. a	Head Width in. b	Head Thickness in. c	Box End Width in. d	Box End Thickness in. e	Weight lbs.
1/4"	—	3208	157B*	—	5.00	.60	.17	.42	.23	.06
5/16"	3110	3210	158B	3110B	5.50	.70	.18	.54	.25	.06
11/32"	3111	3211	159B	—	5.50	.70	.19	.54	.28	.06
3/8"	3112	3212	160B	3112B	6.00	.79	.20	.59	.30	.08
7/16"	3114	3214	161B	3114B	6.50	.92	.23	.69	.33	.12
1/2"	3116	3216	162B	3116B	7.00	1.09	.25	.76	.36	.16
9/16"	3118	3218	163B	3118B	7.50	1.20	.28	.84	.35	.21
5/8"	3120	3220	164B	3120B	8.06	1.32	.29	.93	.41	.25
11/16"	3122	3222	165B	3122B	8.87	1.45	.31	1.03	.42	.33
3/4"	3124	3224	166B	3124B	9.75	1.57	.33	1.09	.45	.41
13/16"	3126	3226	166SB	3126B	10.62	1.68	.35	1.19	.46	.56
7/8"	3128	3228	167B	3128B	11.50	1.79	.38	1.31	.48	.67
15/16"	3130	3230	168B	3130B	12.37	1.90	.41	1.39	.51	.75
1"	3132	—	169B	3132B	13.25	2.01	.44	1.50	.55	.92
1 1/16"	3134	—	170B	3134B	14.12	2.14	.47	1.61	.58	1.14
1 1/8"	3136	—	171B	3136B	15.37	2.26	.50	1.69	.61	1.23
1 3/16"	3138	—	—	3138B	15.12	2.26	.50	1.86	.61	1.60
1 1/4"	3140	—	172B	3140B	16.75	2.51	.48	1.86	.70	1.70
1 5/16"	3142	—	3142	3142B	17.63	2.64	.52	1.96	.73	2.03
1 3/8"	—	—	3144	3144B	18.50	2.77	.53	2.02	.77	2.49
1 7/16"	—	—	3146	3146B	19.38	2.89	.55	2.13	.78	3.04
1 1/2"	—	—	3148	3148B	20.25	3.02	.56	2.17	.80	3.57

Federal Spec. CDA 39-G-11b Type 2. U.S. GGG-W-636E Type 3. ANSI B107.6 AS954

* Available in 6 point only.



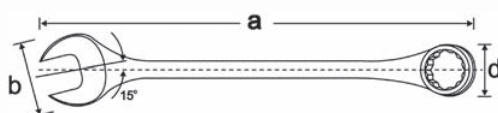
WRENCHES



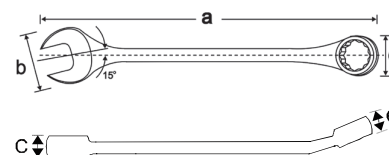
12 Point SAE Round Shank Large Combination Wrenches - 10° Offset

Hex Size	12 Point Satin Chrome Part No.	12 Point Black Oxide Part No.	Overall Length in. a	Head Width in. b	Head Depth in. c	Box End Dia. in. d	Box End Depth in. e	Weight lbs.
1 9/16"	3150	3150B	24.00	3.62	.81	2.50	1.06	6.0
1 5/8"	3152	3152B	24.00	3.62	.81	2.50	1.06	6.0
1 11/16"	3154	3154B	24.00	3.62	.81	2.50	1.06	6.0
1 3/4"	3156	3156B	24.00	3.62	.81	2.50	1.06	6.0
1 13/16"	3158	3158B	28.00	4.00	.87	2.93	1.18	8.0
1 7/8"	3160	3160B	28.00	4.00	.87	2.93	1.18	8.0
1 15/16"	3162	3162B	28.00	4.00	.87	2.93	1.18	8.0
2"	3164	3164B	28.00	4.00	.87	2.93	1.18	8.0
2 1/16"	3166	3166B	30.00	4.50	1.00	3.25	1.56	13.0
2 1/8"	3168	3168B	30.00	4.50	1.00	3.25	1.56	13.0
2 3/16"	3170	3170B	30.00	4.50	1.00	3.25	1.56	13.0
2 1/4"	3172	3172B	30.00	4.50	1.00	3.25	1.56	13.0
2 5/16"	3174	3174B	30.50	4.50	1.00	3.50	1.56	13.0
2 3/8"	3176	3176B	30.50	4.50	1.00	3.50	1.56	13.0
2 7/16"	3178	3178B	30.50	4.50	1.00	3.50	1.56	13.0
2 1/2"	3180	3180B	30.50	4.50	1.00	3.50	1.56	13.0
2 9/16"	3182	3182B	31.00	5.50	1.12	4.25	1.68	18.0
2 5/8"	3184	3184B	31.50	5.50	1.12	4.25	1.68	18.0
2 11/16"	3186	3186B	32.00	5.50	1.12	4.25	1.68	18.0
2 3/4"	3188	3188B	32.50	5.50	1.12	4.25	1.68	18.0
2 13/16"	3190	3190B	33.00	5.50	1.12	4.25	1.68	18.0
2 7/8"	3192	3192B	33.50	5.50	1.18	4.75	1.68	18.4
2 15/16"	3194	3194B	34.00	5.50	1.18	4.75	1.68	18.4
3"	3196	3196B	34.50	5.50	1.18	4.75	1.68	18.4
3 1/16"	3198	3198B	35.00	5.50	1.18	4.75	1.68	18.4
3 1/8"	3200	3200B	35.50	5.50	1.18	4.75	1.68	18.4
3 1/4"	3304	—	36.00	7.00	1.50	5.62	2.25	22.0
3 3/8"	3308	—	36.50	7.00	1.50	5.62	2.25	22.0
3 1/2"	3312	—	37.00	7.00	1.50	5.87	2.25	22.0
3 5/8"	3316	—	37.50	7.00	1.50	5.87	2.25	22.0
3 3/4"	3320	—	38.00	7.00	1.50	6.12	2.25	22.0
3 7/8"	3324	—	38.50	7.00	1.50	6.12	2.25	22.0
4"	3328	—	39.00	7.00	1.50	6.12	2.25	22.0

Federal Spec. CDA 39-G-11b Type 2. U.S. GGG-W-636E Type 3. ANSI B107.6 AS954



WRENCHES



6 & 12 Point Metric Combination Wrenches - 15° Offset

Hex Size	12 Point Mirror Chrome Part No.	6 Point Mirror Chrome Part No.	12 Point Satin Chrome Part No.	12 Point Black Oxide Part No.	Overall Length mm a	Head Width mm b	Head Thickness mm c	Box End Width mm d	Box End Thickness mm e	Weight lbs.
6mm	—	MC606	MEB6*	MC6B*	127	15	4.5	10.6	6.0	.05
7mm	—	MC607	MEB7*	MC7B*	127	15	4.5	10.6	6.0	.05
8mm	MC8	MC608	MEB8	MC8B	140	18	4.7	13.8	6.8	.07
9mm	MC9	MC609	MEB9	MC9B	152	21	5.4	15.0	7.8	.08
10mm	MC10	MC610	MEB10	MC10B	165	24	6.1	17.2	8.2	.11
11mm	MC11	MC611	MEB11	MC11B	165	24	6.1	17.2	8.2	.13
12mm	MC12	MC612	MEB12	MC12B	178	28	6.5	19.6	8.6	.13
13mm	MC13	MC613	MEB13	MC13B	178	28	6.5	19.6	8.6	.16
14mm	MC14	MC614	MEB14	MC14B	191	31	6.8	22.0	9.0	.22
15mm	MC15	MC615	MEB15	MC15B	191	31	6.8	22.0	9.0	.24
16mm	MC16	MC616	MEB16	MC16B	205	34	7.4	24.2	10.2	.25
17mm	MC17	MC617	MEB17	MC17B	225	37	7.4	26.1	10.9	.34
18mm	MC18	MC618	MEB18	MC18B	225	37	7.9	26.1	10.9	.36
19mm	MC19	—	MEB19	MC19B	248	40	8.4	27.9	11.7	.41
20mm	MC20	—	MEB20	MC20B	270	43	8.4	30.4	12.4	.53
21mm	MC21	—	MEB21	MC21B	270	43	8.9	30.4	12.4	.55
22mm	MC22	—	MEB22	MC22B	292	46	9.4	33.2	12.4	.63
23mm	MC23	—	MEB23	MC23B	292	46	9.4	33.2	12.4	.67
24mm	MC24	—	MEB24	MC24B	314	49	9.9	35.3	14.0	.74
25mm	MC25	—	MEB25	—	314	49	9.9	35.3	14.0	.74
26mm	MC26	—	MEB26	MC26B	337	51	10.4	38.1	14.7	.88
27mm	MC27	—	MEB27	MC27B	359	54	11.0	41.0	15.5	1.06
28mm	MC28	—	MEB28	MC28B	391	57	11.4	42.9	16.3	1.38
29mm	MC29	—	MEB29	MC29B	391	57	11.4	42.9	16.3	1.38
30mm	MC30	—	MEB30	MC30B	391	57	11.4	42.9	16.3	1.38
32mm	MC32	—	MEB32	MC32B	425	64	12.0	47.3	17.1	1.51
35mm	—	—	MC35	MC35B	420	66	13	48	15	3.8
36mm	—	—	MC36	MC36B	420	66	13	48	15	3.8
38mm	—	—	MC38	MC38B	420	66	13	48	15	3.8

Federal Spec. CDA 39-G-11m Type 2. ANSI B107.9

* Available in 6 point only.

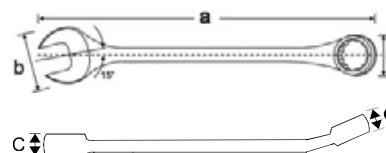


12 Point Metric Round Shank Combination Wrenches - 10° Offset

Hex Size	12 Point Satin Chrome Part No.	12 Point Black Oxide Part No.	Overall Length mm a	Head Width mm b	Head Thickness mm c	Box End Width mm d	Box End Thickness mm e	Weight lbs.
41mm	MC41	MC41B	610	92	21	64	27	5.8
43mm	MC43	MC43B	610	92	21	64	27	5.8
46mm	MC46	MC46B	711	102	22	75	32	7.6
50mm	MC50	MC50B	711	102	22	75	32	7.6
51mm	MC51	MC51B	715	102	22	75	32	7.6
54mm	MC54	MC54B	775	114	25	83	40	12.8
55mm	MC55	MC55B	775	114	25	83	40	12.8
57mm	MC57	MC57B	775	114	25	83	40	12.8
60mm	MC60	MC60B	775	114	25	89	40	12.8
64mm	MC64	MC64B	775	140	25	89	40	12.8
65mm	MC65	MC65B	787	140	29	114	43	17.8
70mm	MC70	MC70B	826	140	29	114	43	17.8
73mm	MC73	MC73B	851	140	29	116	43	18.0
75mm	MC75	MC75B	964	140	29	118	43	18.4
80mm	MC80	MC80B	902	140	29	118	43	18.4

Federal Spec. CDA 39-G-11m Type 2. ANSI B107.9

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12 Point SAE Stubby Combination Wrenches - 15° Offset

Hex Size	12 Point Mirror Chrome Part No.	Overall Length in. a	Head Width in. b	Head Thickness in. c	Box End Width in. d	Box End Thickness in. e	Weight lbs.
1/4"	63208*	3.00	.63	.14	.39	.17	.02
5/16"	63210	3.25	.63	.17	.47	.20	.04
3/8"	63212	4.18	.71	.18	.61	.23	.05
7/16"	63214	5.00	.87	.20	.63	.25	.09
1/2"	63216	5.25	.98	.22	.72	.28	.11
9/16"	63218	5.75	1.12	.25	.78	.31	.16
5/8"	63220	6.12	1.22	.26	.86	.33	.18
11/16"	63222	6.50	1.31	.28	.94	.34	.23
3/4"	63224	6.75	1.40	.30	1.06	.38	.25

U.S. Federal Spec. GGG-W-636E. ANSI Spec. B107.6.

* Available in 6 point only.

12 Point Metric Stubby Combination Wrenches - 15° Offset

Hex Size	12 Point Mirror Chrome Part No.	Overall Length mm a	Head Width mm b	Head Thickness mm c	Box End Width mm d	Box End Thickness mm e	Weight lbs.
6mm	64206*	76	14	3.70	10.00	4.30	.02
7mm	64207*	76	14	3.70	10.00	4.30	.02
8mm	64208	83	16	4.20	11.90	5.10	.02
9mm	64209	106	19	4.50	13.60	5.80	.05
10mm	64210	127	22	5.10	15.60	6.40	.09
11mm	64211	127	22	5.10	15.60	6.40	.09
12mm	64212	133	25	5.60	18.00	7.10	.11
13mm	64213	133	25	5.60	18.00	7.10	.11
14mm	64214	146	28	6.10	19.90	7.70	.16
15mm	64215	146	28	6.10	19.90	7.70	.16
16mm	64216	155	32	6.60	22.30	8.30	.18
17mm	64217	165	34	6.90	24.30	8.70	.23
18mm	64218	165	34	6.90	24.30	8.70	.23
19mm	64219	171	36	7.30	25.80	9.40	.25

U.S. Federal Spec. GGG-W-636E. ANSI Spec. B107.9M.

* Available in 6 point only.

WRENCHES



TU14S
14 Pieces 12 Point SAE Mirror Chrome Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"
 Includes organizer



TU11
11 Pieces 12 Point SAE Mirror Chrome Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
 Includes organizer



TU9
9 Pieces 12 Point SAE Mirror Chrome Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 1"
 Includes organizer



TU7
7 Pieces 12 Point SAE Mirror Chrome Wrench Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8"
 Includes organizer



TU4
4 Pieces 12 Point SAE Mirror Chrome Wrench Set

Contains: 1/4", 5/16", 11/32", 3/8"
 Carded

WRENCHES



TU19
19 Pieces 12 Point SAE Mirror Chrome & Satin Finish Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 5/8"
 Includes roll



174LR
14 Pieces 12 Point SAE Satin Chrome Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"
 Includes organizer



175LR
11 Pieces 12 Point SAE Satin Chrome Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
 Includes organizer

WRENCHES



TU14SB
14 Pieces 12 Point SAE Black Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"
Includes organizer



TU11B
11 Pieces 12 Point SAE Black Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Includes organizer



TU9B
9 Pieces 12 Point SAE Black Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 1"
Includes organizer



TU7B
7 Pieces 12 Point SAE Black Combination Wrench Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8"
Includes organizer

WRENCHES



TU12SH

12 Pieces 6 Point SAE Mirror Chrome Combination Wrench Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

Includes organizer



TU9SH

9 Pieces 6 Point SAE Mirror Chrome Combination Wrench Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

Includes organizer



TU7SH

7 Pieces 6 Point SAE Mirror Chrome Combination Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

Includes organizer

WRENCHES



MC215
15 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm
Includes organizer



MC214
14 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 7, 8, 10, 12, 14, 16, 17, 20, 22, 24, 26, 28, 30, 32mm
Includes organizer



MC211
11 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
Includes organizer



MC212
11 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 22mm
Includes organizer

WRENCHES



MC210
10 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15mm
Includes organizer



MC209
9 Pieces 12 Point Metric Mirror Chrome
Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 17, 19, 22mm
Includes organizer



MC111
11 Pieces 6 Point Metric Mirror Chrome
Wrench Set

Contains: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18mm
Includes organizer



MC219
19 Pieces 12 Point Metric Mirror Chrome &
Satin Finish Wrench Set

Contains: 9, 10, 12, 13, 16, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29,
30, 32, 36mm
Includes roll

WRENCHES



M214R
14 Pieces 12 Point Metric Satin Chrome
Combination Wrench Set

Contains: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22mm
Includes organizer



M215R
15 Pieces 12 Point Metric Satin Chrome
Combination Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm
Includes organizer



MC214B
14 Pieces 12 Point Metric Black Combination Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24mm
Includes organizer



MC212B
11 Pieces 12 Point Metric Black
Combination Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 22mm
Includes organizer



MC209B
9 Pieces 12 Point Metric Black
Combination Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 17, 19, 22mm
Includes organizer

WRENCHES



MC692
9 Pieces 6 Point Metric Mirror Chrome Wrench Set

Contains: 6, 8, 9, 10, 11, 12, 13, 15, 17mm
Includes organizer



MC691
7 Pieces 6 Point Metric Mirror Chrome Wrench Set

Contains: 9, 10, 11, 12, 13, 15, 17mm
Includes organizer



63809
9 Pieces 12 Point SAE Stubby Mirror Chrome Wrench Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
Includes organizer



64814
14 Pieces 12 Point Metric Stubby Mirror Chrome Wrench Set

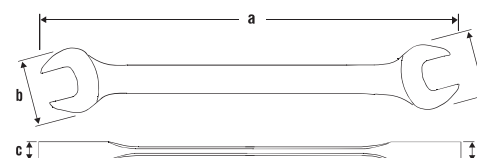
Contains: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
Includes organizer



64811
11 Pieces 12 Point Metric Stubby Mirror Chrome Wrench Set

Contains: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
Includes organizer

WRENCHES



SAE Open End Wrenches - 15° Head Angle

Opening Size	Mirror Chrome Part No.	Overall Length in. a	Small Opening Head Width in. b	Small Opening Head Thickness in. c	Large Opening Head Width in. d	Large Opening Head Thickness in. e	Weight lbs.
3/16 x 1/4"	E68	3.87	.50	.17	.45	.17	.03
1/4 x 5/16"	E810	4.50	.72	.18	.60	.18	.04
5/16 x 3/8"	E1012	5.12	.81	.18	.70	.18	.06
3/8 x 7/16"	E1214	5.75	.92	.23	.79	.23	.10
7/16 x 1/2"	E1416	6.37	1.03	.23	.89	.23	.14
1/2 x 9/16"	E1618	7.00	1.18	.25	1.03	.25	.19
9/16 x 5/8"	E1820	7.62	1.28	.26	1.15	.26	.24
19/32 x 11/16"	E1922	8.25	1.40	.29	1.28	.29	.30
5/8 x 11/16"	E2022	8.25	1.40	.29	1.28	.29	.30
5/8 x 3/4"	E2024	8.25	1.50	.31	1.23	.31	.36
11/16 x 3/4"	E2224	8.37	1.57	.31	1.40	.31	.38
3/4 x 7/8"	E2428	9.50	1.78	.32	1.57	.32	.50
13/16 x 7/8"	E2628	10.12	1.78	.34	1.65	.34	.54
15/16 x 1"	E3032	11.37	2.03	.39	1.90	.39	.80
1 1/16 x 1 1/4"	E3440	13.56	2.50	.45	2.14	.45	1.40

Metric Open End Wrenches - 15° Head Angle

Opening Size	Mirror Chrome Part No.	Overall Length mm a	Small Opening Head Width mm b	Small Opening Head Thickness mm c	Large Opening Head Width mm d	Large Opening Head Thickness mm e	Weight lbs.
6 x 7mm	ME67	114	18	4.8	15.3	4.8	.03
8 x 9mm	ME89	130	20	4.9	17.8	4.9	.06
8 x 10mm	ME810	130	20	4.9	17.8	4.9	.06
10 x 11mm	ME1011	146	23	6.0	20.8	6.0	.10
12 x 13mm	ME1213	161	26	5.8	23.0	5.8	.13
14 x 15mm	ME1415	193	32	6.9	29.4	6.9	.22
16 x 17mm	ME1617	209	35	7.4	32.5	7.4	.30
18 x 19mm	ME1819	225	40	7.4	35.7	7.8	.38
20 x 21mm	ME2021	241	45	8.8	35.7	8.8	.61
21 x 22mm	ME2122	257	45	8.9	42.0	8.9	.54
24 x 27mm	ME2427	320	51	9.9	48.4	9.9	.79
25 x 28mm	ME2528	320	57	10.9	54.3	10.9	1.19
27 x 32mm	ME2732	344	63	11.4	54.4	11.4	1.38

Federal Spec. CDA 39-GP-11b Type 3 Style A U.S. GGG-W-636 Type 4. ANSI B1079M.

WRENCHES



OE12LR
12 Pieces SAE Open End Mirror Chrome Wrench Set

Contains: 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 1/2" x 9/16", 9/16" x 5/8", 19/32" x 11/16", 5/8" x 11/16", 5/8" x 3/4", 3/4" x 7/8", 13/16" x 7/8", 15/16" x 1", 1 1/16" x 1 1/4"
Includes organizer



OE8LR
8 Pieces SAE Open End Mirror Chrome Wrench Set

Contains: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 19/32" x 11/16", 5/8" x 3/4", 13/16" x 7/8", 15/16" x 1", 1 1/16" x 1 1/4"
Includes organizer



OE6LR
6 Pieces SAE Open End Mirror Chrome Wrench Set

Contains: 3/8" x 7/16", 1/2" x 9/16", 19/32" x 11/16", 5/8" x 3/4", 13/16" x 7/8", 15/16" x 1"
Includes organizer



ME12A
12 Pieces Metric Open End Mirror Chrome Wrench Set

Contains: 6 x 7mm, 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 16 x 17mm, 18 x 19mm, 20 x 21mm, 21 x 22mm, 24 x 27mm, 25 x 28mm, 27 x 32mm
Includes organizer



ME8A
8 Pieces Metric Open End Mirror Chrome Wrench Set

Contains: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 16 x 17mm, 18 x 19mm, 20 x 21mm, 21 x 22mm
Includes organizer



ME6A
6 Pieces Metric Open End Mirror Chrome Wrench Set

Contains: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 16 x 17mm, 18 x 19mm
Includes organizer

WRENCHES



94715



94772

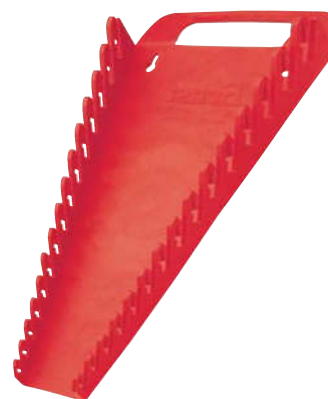
Wrench Organizers

Part No.	Description	Dimensions
94711	Holds 11 wrenches	
94715	Holds 15 wrenches	
94772	Holds 72 wrenches	21 1/2" x 16"



Stubby Gripper Wrench Organizer

Part No.	Description
94812	Holds 11 wrenches



Gripper Wrench Organizers

Part No.	Description
94809	Holds 9 wrenches
94811	Holds 11 wrenches
94815	Holds 15 wrenches

WRENCHES



SAE Mirror Chrome Flare Nut Wrenches - 15° Offset

6 Point Part No.	Opening Sizes, in.	Length, in.
FL1214S	3/8 x 7/16	6
FL1618S	1/2 x 9/16	7
FL2022S	5/8 x 11/16	7.75



Metric Mirror Chrome Flare Nut Wrenches - 15° Offset

6 Point Part No.	Opening Sizes, mm	Length, mm
FL0911M	9 x 11	152
FL1012M	10 x 12	152
FL1314M	13 x 14	178
FL1517M	15 x 17	196
FL1618M	16 x 18	202



FL3S
3 Pieces 6 Point SAE Chrome Flare Nut Wrench Set

Contains: 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16"
Includes pouch



FLM5S
5 Pieces 6 Point Metric Chrome Flare Nut Wrench Set

Contains: 9 x 11mm, 10 x 12mm, 13 x 14mm, 15 x 17mm, 16 x 18mm
Includes pouch



FLM3S
3 Pieces 6 Point Metric Chrome Flare Nut Wrench Set

Contains: 9 x 11mm, 13 x 14mm, 15 x 17mm
Includes pouch

WRENCHES



SAE Box End Wrenches Mirror Chrome - 15° Offset

Opening Sizes, in.	12 Point Part No.	Length, in.
3/8 x 7/16	2840	8.0
1/2 x 9/16	2843	9.5
5/8 x 11/16	2846	10.5
3/4 x 25/32	2849	12.5
13/16 x 7/8	2852	13.0
15/16 x 1	2855	15.46

Federal Spec. CDA 39-GP-11 U.S. GGG-W-636E ANSI B107.6



Metric Box End Wrenches Mirror Chrome - 15° Offset

Opening Sizes, mm	12 Point Part No.	Length, mm
8 x 9	MB89	188
10 x 11	MB1011	205
12 x 13	MB1213	227
14 x 15	MB1415	257
17 x 19	MB1719	305
20 x 22	MB2022	330

Federal Spec. CDA 39-GP-11m ANSI B107.9



D012 6 Pieces SAE Chrome Box End Wrench Set

Contains: 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 25/32", 13/16" x 7/8", 15/16" x 1"

Includes organizer # 94809



MB6 6 Pieces Metric Chrome Box End Wrench Set

Contains: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 17 x 19mm, 20 x 22mm

Includes organizer # 94809

WRENCHES



SAE Flat Ratcheting Box Wrenches

Hex Size, in.	6 Point Part No.	12 Point Part No.	Length, in.
1/4 x 5/16	5001	5001T	4 1/4
3/8 x 7/16	5002	5002T	5 1/4
1/2 x 9/16	5003	5003T	6 3/4
5/8 x 11/16	—	5004	8
3/4 x 7/8	—	5005	9 1/4
5/8 x 3/4	—	5006	8
13/16 x 15/16	—	5007	9 1/4
1 x 1 1/16	—	5008	15
1 1/8 x 1 1/4	—	5009	15



SAE Flat Ratcheting Box Wrenches

Hex Size, in.	12 Point Part No.	Head Width in.	Head Thickness in.	Length in.	Overall Weight lbs.
15/16"	50042	2.75	0.63	15.5	3.2
13/8"	50044	2.75	0.63	15.5	3.2
17/16"	50046	2.75	0.63	15.5	3.2
1 1/2"	50048	2.75	0.63	15.5	3.2
19/16"	50050	2.75	0.63	15.5	3.2
15/8"	50052	2.75	0.63	15.5	3.2
1 11/16"	50054	3.38	0.63	19.0	4.1
13/4"	50056	3.38	0.63	19.0	4.1
1 13/16"	50058	3.38	0.63	19.0	4.1
17/8"	50060	3.38	0.63	19.0	4.1
2"	50064	3.38	0.63	19.0	4.1
2 1/8"	50068	3.38	0.63	19.0	4.1



Metric Flat Ratcheting Box Wrenches

Hex Size, mm	6 Point Part No.	12 Point Part No.	Length, mm
7 x 8	MRB78	—	108
9 x 10	MRB910	—	140
11 x 12	MRB1112	—	171
13 x 14	MRB1314	—	171
15 x 17	—	MRB1517	203



SAE 25° Offset Ratcheting Box Wrenches

Hex Size, in.	6 Point Part No.	12 Point Part No.	Length, in.
1/4 x 5/16	5201	—	4 1/4
3/8 x 7/16	5202	—	5 1/4
1/2 x 9/16	5203	—	6 3/4
5/8 x 11/16	—	5204	8
3/4 x 7/8	—	5205	9 1/4
5/8 x 3/4	—	5207	8
13/16 x 15/16	—	5206	9 1/4



Metric 25° Offset Ratcheting Box Wrenches

Hex Size, mm	6 Point Part No.	12 Point Part No.	Length, mm
7 x 8	MROB78	—	108
9 x 10	MROB910	—	140
11 x 12	MROB1112	—	171
13 x 14	MROB1314	—	171
15 x 17	—	MROB1517	203



5008LR 8 Pieces 6 & 12 Point SAE Flat Ratcheting Box Wrench Set

Contains:

6 Pt: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16"

12 Pt: 5/8" x 11/16", 3/4" x 7/8", 5/8" x 3/4", 13/16" x 15/16", 1" x 1 1/16"

Includes roll

WRENCHES



5000LR
5 Pieces 6 & 12 Point SAE Flat Ratcheting Box Wrench Set

Contains:

6 Pt: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16",
 12 Pt: 5/8" x 11/16", 3/4" x 7/8"



5205LR
5 Pieces 6 & 12 Point SAE 25° Offset Ratcheting Box Wrench Set

Contains: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8"



5203LR
3 Pieces 6 Point SAE 25° Offset Ratcheting Box Wrench Set

Contains: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16"



MRB50
5 Pieces 6 & 12 Point Metric Flat Ratcheting Box Wrench Set

Contains:

6 Pt: 7 x 8mm, 9 x 10mm, 11 x 12mm, 13 x 14mm
 12 Pt: 15 x 17mm



MROB50
5 Pieces 6 & 12 Point Metric 25° Offset Ratcheting Box Wrench Set

Contains:

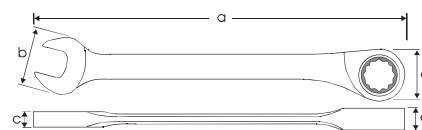
6 Pt: 7 x 8mm, 9 x 10mm, 11 x 12mm, 13 x 14mm
 12 Pt: 15 x 17mm



MROB30
3 Pieces 6 & 12 Point Metric 25° Offset Ratcheting Box Wrench Set

Contains: 7 x 8mm, 9 x 10mm, 13 x 14mm

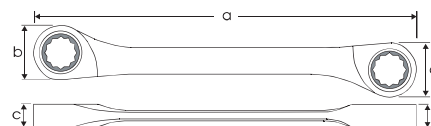
WRENCHES



SAE & Metric Combination Fixed Head Multigear™ Geared Wrench

Hex Size	Stainless Steel Finish Part No.	Overall Length a	Head Width b	Head Thickness c	Box End Width d	Box End Thickness e	Weight lbs.
5/16"	500111	5.66"	.70"	.15"	.66"	.28"	.08
3/8"	500112	6.18"	.90"	.18"	.78"	.29"	.13
7/16"	500114	6.49"	.94"	.20"	.86"	.31"	.16
1/2"	500116	7.16"	1.18"	.21"	.94"	.33"	.20
9/16"	500118	7.44"	1.18"	.25"	1.06"	.33"	.25
5/8"	500120	8.50"	1.37"	.28"	1.18"	.39"	.37
11/16"	500122	8.89"	1.37"	.29"	1.18"	.39"	.39
3/4"	500124	9.76"	1.53"	.31"	1.49"	.45"	.50
8mm	500008	144mm	18mm	4.0mm	17mm	7.2mm	.09
10mm	500010	157mm	23mm	4.8mm	20mm	7.5mm	.13
11mm	500011	165mm	24mm	5.2mm	22mm	8.0mm	.16
12mm	500012	172mm	26mm	5.5mm	24mm	8.5mm	.19
13mm	500013	182mm	30mm	6.2mm	24mm	8.5mm	.20
14mm	500014	189mm	30mm	6.6mm	27mm	8.5mm	.24
15mm	500015	202mm	32mm	7.0mm	27mm	8.5mm	.28
16mm	500016	216mm	35mm	7.3mm	30mm	10mm	.37
17mm	500017	226mm	35mm	7.6mm	30mm	10mm	.40
18mm	500018	237mm	37mm	7.8mm	38mm	11.5mm	.48
19mm	500019	248mm	39mm	8.0mm	38mm	11.5mm	.52

Federal Spec. CDA 39-GP-11b Type 3 Style A U.S. GGG-W-636 Type 4. ANSI B1079M.

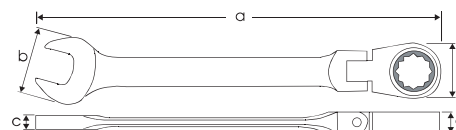


SAE & Metric Double Box Fixed Head Multigear™ Geared Wrench

Hex Size	Stainless Steel Finish Part No.	Overall Length a	Small Box End Width b	Small Box Head Thickness c	Large Box End Width d	Large Box End Thickness e	Weight lbs.
5/16" x 3/8"	561012	5.11"	.66"	.35"	.78"	.39"	.14
7/16" x 1/2"	561416	6.69"	.86"	.39"	.94"	.39"	.24
9/16" x 5/8"	561820	8.26"	1.06"	.39"	1.18"	.51"	.44
11/16" x 3/4"	562224	9.05"	1.18"	.51"	1.29"	.51"	.54
8 x 9mm	550809	144mm	17mm	9mm	20mm	10mm	.15
10 x 11mm	551011	157mm	20mm	10mm	22mm	10mm	.19
12 x 13mm	551213	165mm	24mm	10mm	24mm	10mm	.28
14 x 15mm	551415	172mm	27mm	10mm	27mm	10mm	.32
16 x 18mm	551618	182mm	30mm	13mm	33mm	13mm	.55
17 x 19mm	551719	189mm	30mm	13mm	33mm	13mm	.53

Federal Spec. CDA 39-GP-11b Type 3 Style A U.S. GGG-W-636 Type 4. ANSI B1076.

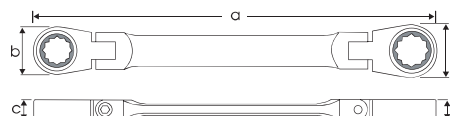
WRENCHES



SAE & Metric Combination Flex Head Multigear™ Geared Wrench

Hex Size	Stainless Steel Finish Part No.	Overall Length a	Head Width b	Head Thickness c	Box End Width d	Box End Thickness e	Weight lbs.
5/16"	520111	5.62"	.70"	.21"	.66"	.35"	.12
3/8"	520112	6.22"	.90"	.23"	.78"	.39"	.17
7/16"	520114	6.45"	.94"	.23"	.86"	.39"	.19
1/2"	520116	6.96"	1.18"	.25"	.94"	.39"	.23
9/16"	520118	7.36"	1.18"	.27"	1.06"	.39"	.26
5/8"	520120	8.30"	1.37"	.31"	1.18"	.51"	.45
11/16"	520122	8.66"	1.37"	.31"	1.18"	.51"	.45
3/4"	520124	9.60"	1.53"	.35"	1.49"	.51"	.58
8mm	520008	143mm	18mm	5.5mm	17mm	9mm	.11
10mm	520010	158mm	23mm	6mm	20mm	10mm	.16
11mm	520011	164mm	24mm	6mm	22mm	10mm	.21
12mm	520012	171mm	26mm	6.5mm	24mm	10mm	.25
13mm	520013	177mm	30mm	6.5mm	24mm	10mm	.25
14mm	520014	187mm	30mm	7mm	27mm	10mm	.20
15mm	520015	195mm	32mm	7mm	27mm	10mm	.30
16mm	520016	211mm	35mm	8mm	30mm	13mm	.43
17mm	520017	220mm	35mm	8mm	30mm	13mm	.47
18mm	520018	235mm	37mm	9mm	38mm	13mm	.59
19mm	520019	244mm	39mm	9mm	38mm	13mm	.61

Federal Spec. CDA 39-GP-11b Type 3 Style A U.S. GGG-W-636 Type 4. ANSI B107.9M.



SAE & Metric Double Box Flex Head Multigear™ Geared Wrench

Hex Size	Stainless Steel Finish Part No.	Overall Length a	Small Box End Width b	Small Box Head Thickness c	Large Box End Width d	Large Box End Thickness e	Weight lbs.
5/16" x 3/8"	541012	6.29"	.66"	.35"	.78"	.39"	.24
7/16" x 1/2"	541416	7.55"	.86"	.39"	.94"	.39"	.36
9/16" x 5/8"	541820	8.85"	1.06"	.39"	1.18"	.51"	.61
11/16" x 3/4"	542224	9.56"	1.18"	.51"	1.29"	.51"	.73
8 x 9mm	530809	160mm	17mm	9mm	20mm	10mm	.24
10 x 11mm	531011	177mm	20mm	10mm	22mm	10mm	.29
12 x 13mm	531213	204mm	24mm	10mm	24mm	10mm	.42
14 x 15mm	531415	211mm	27mm	10mm	27mm	10mm	.42
16 x 18mm	531618	243mm	30mm	13mm	33mm	13mm	.71
17 x 19mm	531719	243mm	30mm	13mm	33mm	13mm	.74

Federal Spec. CDA 39-GP-11b Type 3 Style A U.S. GGG-W-636 Type 4. ANSI B107.9M.

WRENCHES



59711A
11 Pieces Metric Combination Fixed Head
Multigear™ Geared Wrench Set

Contains: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
Includes organizer



59708A
8 Pieces SAE Combination Fixed Head
Multigear™ Geared Wrench Set

Contains: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
Includes organizer



No. 59704A
4 Pieces SAE Double Box Fixed Head
Multigear™ Geared Wrench Set

Contains: 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8", 11/16" x 3/4"
Includes organizer



59706A
6 Pieces Metric Double Box Fixed Head
Multigear™ Geared Wrench Set

Contains: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm,
16 x 18mm, 17 x 19mm
Includes organizer

WRENCHES



59808A
8 Pieces SAE Combination Flex Head
Multigear™ Geared Wrench Set

Contains: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
 Includes organizer



59811A
11 Pieces Metric Combination Flex Head
Multigear™ Geared Wrench Set

Contains: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
 Includes organizer



59804A
4 Pieces SAE Double Box Flex Head
Multigear™ Geared Wrench Set

Contains: 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8", 11/16" x 3/4"
 Includes organizer



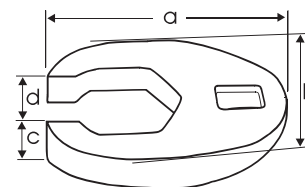
59806A
6 Pieces Metric Double Box Flex Head
Multigear™ Geared Wrench Set

Contains: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm,
 16 x 18mm, 17 x 19mm
 Includes organizer

WRENCHES

3/8" Drive SAE Flare Nut Crowfoot Wrenches

Opening Size	Mirror Chrome Part No.	Overall Length in. a	Head Width in. b	Head Thickness in. c	Slot Width in. d	Weight lbs.
3/8"	CWF12	1.43"	1.06"	.33"	.29"	0.09
7/16"	CWF14	1.44"	1.07"	.33"	.38"	0.09
1/2"	CWF16	1.46"	1.07"	.33"	.39"	0.09
9/16"	CWF18	1.60"	1.21"	.37"	.50"	0.11
5/8"	CWF20	1.60"	1.22"	.38"	.51"	0.11
11/16"	CWF22	1.71"	1.37"	.42"	.56"	0.13
3/4"	CWF24	1.73"	1.39"	.42"	.61"	0.13

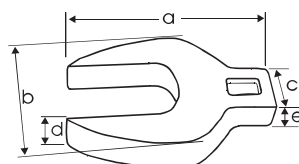


3/8" Drive Metric Flare Nut Crowfoot Wrenches

Hex Size	Mirror Chrome Part No.	Overall Length mm a	Head Width mm b	Head Thickness mm c	Slot Width mm d	Weight lbs.
10mm	CWF10M	37	27	8.8	8	0.07
11mm	CWF11M	37	27	8.8	9	0.07
12mm	CWF12M	37.3	27	8.8	9.5	0.09
13mm	CWF13M	37.5	27	8.8	10.5	0.09
14mm	CWF14M	42.7	31.4	9.8	12	0.11
15mm	CWF15M	42.8	30.7	9.9	12.7	0.11
16mm	CWF16M	43	30.7	9.9	13.6	0.11
17mm	CWF17M	46.4	34	10.8	14.3	0.13
18mm	CWF18M	46.4	34	10.8	16.3	0.13
19mm	CWF19M	46.6	34.2	10.8	16.5	0.13

3/8" Drive SAE Open End Crowfoot Wrenches

Opening Size	Mirror Chrome Part No.	Overall Length in. a	Head Width in. b	Handle Width in. c	Head Thickness in. d	Handle Thickness in. e	Weight lbs.
3/8"	CW12	1.31"	.91"	.72"	.20"	.43"	0.04
7/16"	CW14	1.23"	.91"	.72"	.22"	.32"	0.04
1/2"	CW16	1.48"	1.06"	.72"	.23"	.35"	0.07
9/16"	CW18	1.63"	1.21"	.72"	.27"	.37"	0.09
5/8"	CW20	1.63"	1.34"	.74"	.29"	.36"	0.09
11/16"	CW22	1.76"	1.45"	.84"	.29"	.37"	0.11
3/4"	CW24	1.88"	1.58"	.77"	.33"	.44"	0.15
13/16"	CW26	1.96"	1.70"	.83"	.31"	.38"	0.15
7/8"	CW28	2.07"	1.83"	.81"	.38"	.42"	0.20
1"	CW32	2.21"	2.03"	.74"	.40"	.53"	0.24



3/8" Drive Metric Open End Crowfoot Wrenches

Hex Size	Mirror Chrome Part No.	Overall Length mm a	Head Width mm b	Handle Width mm c	Head Thickness mm d	Handle Thickness mm e	Weight lbs.
10mm	CW10M	26.2	20.9	16.2	4.85	7.85	0.02
11mm	CW11M	31.5	23.5	18.4	5.35	7.85	0.04
12mm	CW12M	37.7	27	18.5	6	8.9	0.07
13mm	CW13M	37.7	27	18.5	6	8.9	0.07
14mm	CW14M	41.3	31.5	17.7	7.7	8.9	0.09
15mm	CW15M	41.6	34	18.9	7.5	9.6	0.11
16mm	CW16M	41.6	3.4	18.9	7.5	9.6	0.11
17mm	CW17M	43.7	36.85	20.4	7.3	9.6	0.13
18mm	CW18M	43.7	36	21	7.5	9.6	0.13
19mm	CW19M	47.8	40.5	19.6	7.5	10.25	0.13
21mm	CW21M	50	43.4	20.1	8.6	10.8	0.18
22mm	CW22M	52.7	46.8	20.8	9.85	11	0.22
24mm	CW24M	56.1	52	18.7	11.3	12.6	0.26

WRENCHES



63907

7 Pieces 3/8" Drive SAE Mirror Chrome Flare Nut Crowfoot Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

Includes socket rail



63910

10 Pieces 3/8" Drive Metric Mirror Chrome Flare Nut Crowfoot Wrench Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

Includes socket rail



64910

10 Pieces 3/8" Drive SAE Mirror Chrome Open End Crowfoot Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 1"

Includes socket rail



64913

13 Pieces 3/8" Drive Metric Mirror Chrome Open End Crowfoot Wrench Set

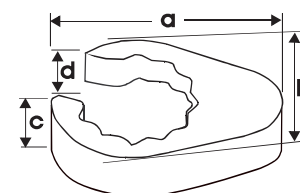
Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24mm

Includes socket rail

WRENCHES

1/2" Drive SAE Flare Nut Crowfoot Wrenches

Opening Size	Mirror Chrome Part No.	Overall Length in. a	Head Width in. b	Head Thickness in. c	Slot Width in. d	Weight lbs.
13/16"	CWF26	2.10	1.45	.53	.63	0.17
7/8"	CWF28	2.18	1.40	.55	.67	0.18
15/16"	CWF30	2.18	1.52	.55	.71	0.18
1"	CWF32	2.38	1.67	.57	.71	0.24
1 1/16"	CWF34	2.38	1.67	.57	.79	0.24
1 1/8"	CWF36	2.75	1.96	.58	.87	0.33
1 3/16"	CWF38	2.75	1.96	.58	.87	0.33
1 1/4"	CWF40	2.75	1.96	.58	.94	0.31



1/2" Drive Metric Flare Nut Crowfoot Wrenches

Hex Size	Mirror Chrome Part No.	Overall Length mm a	Head Width mm b	Head Thickness mm c	Slot Width mm d	Weight lbs.
20mm	CWF20M	53.54	36.81	13.50	16	0.18
21mm	CWF21M	53.51	36.86	13.47	16	0.18
22mm	CWF22M	55.26	35.54	13.96	17	0.18
23mm	CWF23M	55.35	38.62	13.81	18	0.18
24mm	CWF24M	55.40	38.60	13.80	18	0.18
25mm	CWF25M	60.42	42.63	14.53	18	0.24
27mm	CWF27M	60.40	42.30	14.50	20	0.24
30mm	CWF30M	69.83	49.71	14.76	22	0.33
32mm	CWF32M	69.94	49.90	14.67	24	0.33



65908

8 Pieces 1/2" Drive SAE Mirror Chrome Flare Nut Crowfoot Wrench Set

Contains: 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"
Includes socket rail

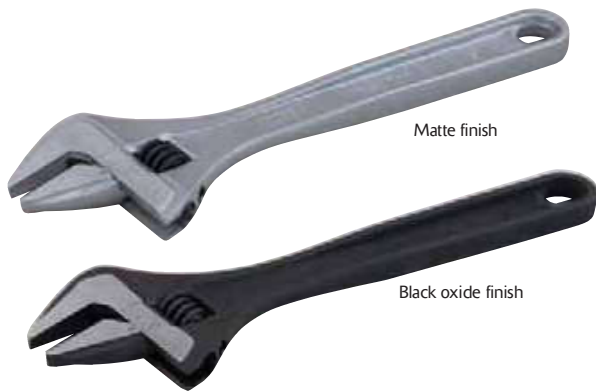


65909

9 Pieces 1/2" Drive Metric Mirror Chrome Flare Nut Crowfoot Wrench Set

Contains: 20, 21, 22, 23, 24, 25, 27, 30, 32mm
Includes socket rail

WRENCHES



Matte finish

Black oxide finish

Adjustable Wrenches

Matte Finish Part No.	Black Oxide Part No.	Overall Length, in.	Maximum Opening, in.
65304	65304B	4	.55
65306A	65306B	6	1.00
65308A	65308B	8	1.08
65310A	65310B	10	1.35
65312A	65312B	12	1.50
65315A	65315B	15	1.87
65318	65318B	18	2.30
65324	65324B	24	2.75



AW812S
2 Pieces Adjustable Wrench Set

Contains: 8" & 12"



BW812SB
2 Pieces Adjustable Wrench Set Black Oxide

Contains: 8" & 12"

WRENCHES



Adjustable Structural Wrench with Side Hammer

Part No.	Jaw Opening, in.	Length, in.
900H	1 13/16	15



Structural Adjustable Wrench

Part No.	Jaw Opening, in.	Length, in.
900	1 3/4	15



Structural Wrenches - Offset Head

Hex Size	Part No.	Overall Length, in.	Head Width, in.	Head Thickness, in.
5/8"	903A	12	1 11/16	7/16
3/4"	904A	12	1 11/16	7/16
13/16"	905A	14 1/2	1 7/8	17/32
7/8"	905	14 1/2	1 7/8	17/32
1"	906B	14 1/2	1 7/8	17/32
1 1/16"	907	16	2 3/8	5/8
1 1/8"	907A	16	2 3/8	5/8
1 1/4"	908	19	2 3/4	11/16
1 5/16"	908A	19	2 3/4	11/16
1 7/16"	909	20	3 1/16	3/4
1 1/2"	909A	20	3 1/16	3/4
1 5/8"	910	23	3 3/8	13/16
1 11/16"	910A	23	3 3/8	13/16
2"	912	24	3 11/16	13/16

Federal Spec. CDA 39-GP-11b U.S. GGG-W-636E.



Heavy Duty Cast Iron Pipe Wrenches

Part No.	Pipe Capacity, in.	Overall Length, in.
NSP6	1/8 - 3/4	5 1/2
GSP8	1/8 - 1	8
GSP10	1/8 - 1 1/2	10
GSP12	1/4 - 2	12
GSP14	1/4 - 2	14
GSP18	1/4 - 2 1/2	18
GSP24	1/4 - 3	24
GSP36	1/4 - 5	36

Federal Spec. CDA 39-GP-48A U.S. GGG-W-651C.



Aluminum Pipe Wrenches

Part No.	Pipe Capacity, in.	Overall Length, in.
GSP14A	1/4 - 2	14
GSP18A	1/4 - 2 1/2	18
GSP24A	1/4 - 3	24
GSP36A	1/4 - 5	36
GSP48A	1 - 6	48

Federal Spec. CDA 39-GP-48A U.S. GGG-W-651C.

WRENCHES

Plumbers Rapid Wrench

Part No.	Pipe Capacity, in.	Overall Length, in.
66014	1/2 - 2	14

- Easy one handed operation.
- Safely & reliably grips pipes 1/2 - 2" in diameter.
- Self-adjusting eliminates need to adjust jaws to fit pipe.

Up to 4 times faster than traditional pipe wrenches!



Pipe Size Range:



Plumbers Adjustable Wrench with Slim Jaw

Matte Finish Part No.	Maximum Opening, in.	Overall Length, in.
66308	1.5	8

Comfort no slip grip.



65004 4 Way Key Wrench

Fits sillcocks or spigots sizes: 1/4", 9/32", 5/16", 11/32" (6mm, 7mm, 8mm, 9mm)

WRENCHES



64405

5 Pieces SAE Ratcheting Tube Wrench Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8"



SAE Ratcheting Tube Wrenches Black Finish

Hex Size.	Part No.	Length, in.
3/8	RT12	5 3/8
7/16	RT14	5 3/8
1/2	RT16	5 3/8
9/16	RT18	7 1/4
5/8	RT20	7 1/4
3/4	RT24	7 1/4
7/8	RT28	9 1/4



Adjustable Face - Pin Spanner

Part No.	Capacity, in.	Length, in.
AFS2	3/16 X 2	6 3/8
AFS3	1/4 X 3	8 1/4
AFS4	5/16 X 4	10 3/8



Adjustable Head - Pin Spanner

Part No.	Diameter Range Capacity, in.	Pin Dia., in.	Length in.
APS2	3/4 to 2	1/8	6 3/8
APS21	3/4 to 2	3/16	6 3/8
APS3	1 1/4 to 3	3/16	8 1/8
APS31	1 1/4 to 3	1/4	8 1/8
APS4	2 to 4 3/4	1/4	11 3/8
APS6	4 1/2 to 6 1/4	3/8	12 1/8



Adjustable Head - Hook Spanner

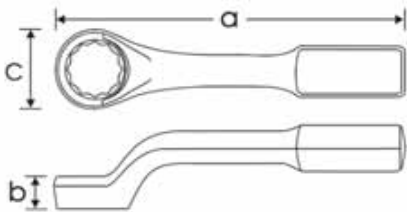
Part No.	Diameter Range Capacity, in.	Length in.
AHS2	3/4 to 2	6 1/2
AHS3	1 1/4 to 3	8
AHS4	2 to 4 3/4	11 7/16
AHS6	4 1/2 to 6 1/4	12
AHS8	6 1/8 to 8 3/4	13 1/2

WRENCHES



FEATURES

- Each wrench is coated with black oxide and waxed for a rust-resistant finish
- No other tool company offers the complete range 1" - 3 1/8"
 - 35 hex sizes
 - no missing sizes
- Forged from alloy steel for extra heavy duty strength



SAE Striking Face Box Wrench 45° Offset Head

Hex Size	12 Point Part No.	Overall Length in. a	Head Depth in. b	Head diameter in. c	Weight lbs.
1"	66832	11	7/8	2	2.8
1 1/16"	66834	11	7/8	2	2.8
1 1/8"	66836	11	7/8	2	2.8
1 3/16"	66838	11	7/8	2 1/16	2.8
1 1/4"	66840	11	7/8	2 1/16	2.8
1 5/16"	66842	11	7/8	2 1/16	2.8
1 3/8"	66844	11	7/8	2 1/16	2.6
1 7/16"	66846	12 1/2	1 1/8	2 3/4	6.4
1 1/2"	66848	12 1/2	1 1/8	2 3/4	6.4
1 9/16"	66850	12 1/2	1 1/8	2 3/4	6.2
1 5/8"	66852	12 1/2	1 1/8	2 3/4	6.2
1 11/16"	66854	12 1/2	1 1/8	2 13/16	6.2
1 3/4"	66856	12 1/2	1 1/8	2 13/16	6.2
1 13/16"	66858	12 1/2	1 1/8	2 31/32	6.2
1 7/8"	66860	12 1/2	1 1/8	2 31/32	6.2
1 15/16"	66862	12 1/2	1 1/8	2 31/32	6.2
2"	66864	12 3/4	1 1/8	3 1/8	6.2
2 1/16"	66866	12 3/4	1 1/8	3 1/8	6.0
2 1/8"	66868	14	1 3/8	3 5/8	9.2
2 3/16"	66870	14	1 3/8	3 3/4	9.2
2 1/4"	66872	14	1 3/8	3 3/4	9.2
2 5/16"	66874	14	1 3/8	3 3/4	9.2
2 3/8"	66876	14	1 3/8	3 3/4	9.0
2 7/16"	66878	14	1 3/8	3 31/32	9.2
2 1/2"	66880	14 1/2	1 5/16	4	9.2
2 9/16"	66882	14 1/2	1 5/16	4 1/8	9.2
2 5/8"	66884	14 1/2	1 5/16	4 1/8	9.0
2 11/16"	66886	16	1 3/4	4 7/8	16.2
2 3/4"	66888	16	1 3/4	4 7/8	15.4
2 13/16"	66890	16	1 3/4	4 7/8	16.0
2 7/8"	66892	16	1 3/4	4 7/8	15.8
2 15/16"	66894	16	1 3/4	4 7/8	15.4
3"	66896	16	1 3/4	4 7/8	15.2
3 1/16"	66898	16	1 3/4	4 7/8	15.0
3 1/8"	66899	16	1 3/4	4 13/16	15.0

WRENCHES



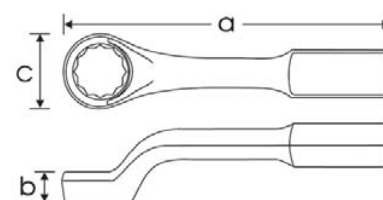
Metric Striking Face Box Wrench 45° Offset Head

Hex Size	12 Point Part No.	Overall Length mm a	Head Depth mm b	Head diameter mm c	Weight lbs.
27mm	66927	279	22	51	2.8
30mm	66930	279	22	51	2.8
32mm	66932	279	22	51	2.8
35mm	66935	279	22	54	2.8
36mm	66936	317	29	70	6.4
38mm	66938	317	29	70	6.4
41mm	66941	317	29	70	6.4
43mm	66943	317	29	70	6.2
46mm	66946	324	29	79	6.2
50mm	66950	324	29	79	6.2
51mm	66951	324	29	79	6.2
54mm	66954	355	35	92	9.4
55mm	66955	355	35	92	9.2
57mm	66957	355	35	92	9.0
60mm	66960	355	35	92	8.8
64mm	66964	362	35	101	9.2
65mm	66965	362	35	101	9.2
70mm	66970	406	44	124	16.0
73mm	66973	406	44	124	15.6
75mm	66975	406	44	124	15.6
80mm	66980	406	44	124	14.8

Specs: CGSB 39-GP-11M. ANSI B107.9M - 1994.

FEATURES

- Each wrench is coated with black oxide and waxed for a rust-resistant finish
- No other tool company offers the complete range 27mm - 80mm
 - 21 hex sizes
 - no missing sizes
- Forged from alloy steel for extra heavy duty strength



WARNING

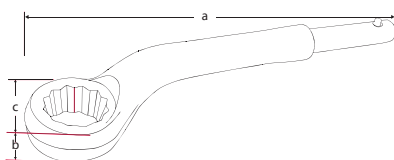
Always wear safety goggles.

WRENCHES



FEATURES

- Engineered for optimum safety
- Increased leverage capability
- Dual purpose
- Interchangeable handle uniquely designed to fit competitor's model
- Widest range of sizes
- Ease of assembly



SAE Strike-Free Leverage Wrench 45° Offset Head

Hex Size	Part No.	Length in. a	Head Depth in. b	Head diameter in. c	Handle To Use	Weight lbs.
1"	66632	7 1/2	7/8	2	24" Handle	2.5
1 1/16"	66634	7 1/2	7/8	2	24" Handle	2.5
1 1/8"	66636	7 1/2	7/8	2	24" Handle	2.5
1 3/16"	66638	7 1/2	7/8	2 1/16	24" Handle	2.5
1 1/4"	66640	7 1/2	7/8	2 1/16	24" Handle	2.5
1 5/16"	66642	7 1/2	7/8	2 1/16	24" Handle	2.5
1 3/8"	66644	7 1/2	7/8	2 1/16	24" Handle	2.5
1 7/16"	66646	8	1 1/8	2 3/4	24" Handle	4.5
1 1/2"	66648	8	1 1/8	2 3/4	24" Handle	4.5
1 9/16"	66650	8	1 1/8	2 3/4	24" Handle	4.5
1 5/8"	66652	8	1 1/8	2 3/4	24" Handle	4.5
1 11/16"	66654	8	1 1/8	2 13/16	36" Handle	4.5
1 3/4"	66656	8	1 1/8	2 13/16	36" Handle	4.5
1 13/16"	66658	8	1 1/8	2 31/32	36" Handle	4.5
1 7/8"	66660	8	1 1/8	2 31/32	36" Handle	4.5
1 15/16"	66662	8	1 1/8	2 31/32	36" Handle	4.5
2"	66664	8 1/4	1 1/8	3 1/8	36" Handle	4.5
2 1/16"	66666	8 1/4	1 1/8	3 1/8	36" Handle	4.5
2 1/8"	66668	8 1/4	1 3/8	3 5/8	36" Handle	7.0
2 3/16"	66670	9 1/4	1 3/8	3 3/4	36" Handle	7.0
2 1/4"	66672	9 1/4	1 3/8	3 3/4	36" Handle	7.0
2 5/16"	66674	9 1/4	1 3/8	3 3/4	36" Handle	7.0
2 3/8"	66676	9 1/4	1 3/8	3 3/4	36" Handle	7.0
2 7/16"	66678	9 1/2	1 3/8	3 31/32	36" Handle	7.0
2 1/2"	66680	9 1/2	1 5/16	4	36" Handle	7.0
2 9/16"	66682	9 1/2	1 5/16	4 1/8	36" Handle	7.0
2 5/8"	66684	9 1/2	1 5/16	4 1/8	36" Handle	7.0
2 11/16"	66686	10	1 3/4	4 7/8	36" Handle	10.0
2 3/4"	66688	10	1 3/4	4 7/8	36" Handle	10.0
2 13/16"	66690	10	1 3/4	4 7/8	36" Handle	10.0
2 7/8"	66692	10	1 3/4	4 7/8	36" Handle	10.0
2 15/16"	66694	10	1 3/4	4 7/8	36" Handle	10.0
3"	66696	10	1 3/4	4 7/8	36" Handle	10.0
3 1/16"	66698	10	1 3/4	4 7/8	36" Handle	10.0
3 1/8"	66699	10	1 3/4	4 13/16	36" Handle	10.0

WRENCHES

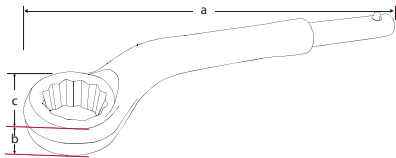


Metric Strike-Free Leverage Wrench 45° Offset Head

Hex Size	Part No.	Length mm a	Head Depth mm b	Head diameter mm c	Handle To Use	Weight lbs.
30mm	66530	187	22	51	24" Handle	2.5
32mm	66532	187	22	51	24" Handle	2.5
36mm	66536	200	29	70	24" Handle	4.5
41mm	66541	200	29	70	24" Handle	4.5
46mm	66546	200	29	79	36" Handle	4.5
55mm	66555	205	35	92	36" Handle	7.0
60mm	66560	231	35	92	36" Handle	7.0
65mm	66565	237	35	101	36" Handle	7.0
70mm	66570	250	44	124	36" Handle	10.0
75mm	66575	250	44	124	36" Handle	10.0
80mm	66580	250	44	124	36" Handle	10.0

FEATURES

- Engineered for optimum safety
- Increased leverage capability
- Dual purpose
- Interchangeable handle uniquely designed to fit competitor's model
- Widest range of sizes
- Ease of assembly



Tubular Handle for Strike-Free Leverage Wrench

Part No..	Description	Weight, lbs.
60024	24" Tubular handle fits wrench Part No. 66632 to 66652 (1"-1 5/8") and Part No. 66530 to 66541 (30mm - 41mm)	2.6
60036	36" Tubular handle fits wrench Part No. 66654 to 66699 (1 11/16"-3 1/8") and Part No. 66546 to 66580 (46mm - 80mm)	7.95

Wrenches and handles sold separately.



Assembled strike-free leverage wrench and tubular handle

TORQUE WRENCHES



MFR150HD

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
MIR150HD	1/4"	20-150 in./lbs.	1	2.8-15.3 Nm	0.12	48	Fixed-head	± 3% CW ± 4% CCW



MIR250HD

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
MIR250HD	3/8"	30-250 in./lbs.	1	4.0 - 27.7 Nm	0.12	48	Fixed-head	± 3% CW ± 4% CCW
MFR80FL	3/8"	10-80 ft./lbs.	0.5	N/A	N/A	48	Flex-head	± 4% CW ± 6% CCW
MFR100HD	3/8"	10-100 ft./lbs.	0.5	16.9 - 132.2 Nm	0.7	48	Fixed-head	± 3% CW ± 4% CCW



MFR250HD

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
MFR250HD	1/2"	30-250 ft./lbs.	1	47 - 332 Nm	1.4	32	Fixed-head	± 3% CW ± 4% CCW



MFR600HD

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
MFR600HD	3/4"	100-600 ft./lbs.	5	169 - 779 Nm	6.8	40	Fixed-head	± 3% CW ± 4% CCW



MFR1000HD

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
*MFR1000HD	1"	200 - 1000 ft./lbs.	5	305 - 1322 Nm	6.8	30	Fixed-head	± 3% CW ± 4% CCW
**MF2000	1"	300 - 2000 ft./lbs.	10	N/A	N/A	30	Fixed - non ratcheting head	± 3% CW ± 4% CCW

*NOTE: MFR1000HD is supplied with one extension handle and includes a metal storage box.

**NOTE: MF2000 is supplied with two extension handles. Does not include a storage box.

Features:

- Individually serialized with matching factory certificate of calibration traceable to N.I.S.T.
- Accuracy noted above is from 20% to 100% of full scale
- All models have a positive lock with pull down locking ring
- Fast, accurate and easy to set in any industrial workplace
- Easy-to-read scales
- Rugged metal knurled handles
- Quick release button for faster socket retention and removal
- Meets or exceeds ASME B107.14-2004, ISO 6789 standards
- Includes plastic storage case.

TORQUE WRENCHES



81250

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
81250	1/4"	30 - 250 in/lbs.	1	4 - 28.8 Nm	0.11	36	Fixed-head	± 3% CW ± 4% CCW



82100

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
82100	3/8"	10 - 100 ft./lbs.	0.5	23.7 - 139 Nm	0.7	36	Fixed-head	± 3% CW ± 4% CCW
82250	3/8"	30 - 250 in/lbs.	1	4 - 28.8 Nm	0.11	36	Fixed-head	± 3% CW ± 4% CCW



83250

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
83250	1/2"	30 - 250 ft./lbs.	1	47.5 - 345.8 Nm	1.4	36	Fixed-head	± 3% CW ± 4% CCW



84600

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	No. of Teeth	Head Style	Accuracy
84600	3/4"	100 - 600 ft./lbs.	5	169 - 847 Nm	7	24	Fixed-head	± 3% CW ± 4% CCW

Features:

- Individually serialized with matching factory certificate of calibration traceable to N.I.S.T.
- Accuracy noted above is from 20% to 100% of full scale
- Fast, accurate and easy to set in any industrial workplace
- Easy-to-read scales
- Rugged metal knurled handles
- Quick release button for faster socket retention and removal
- Meets or exceeds ASME B107.14-2004, ISO 6789 standards
- Includes plastic storage case.

TORQUE WRENCHES & MULTIPLIERS



Torque Screwdriver - Micrometer Adjustable

Part No.	Capacity in. lbs.	Female Hex	Increments in. lbs.	Length in.	Width in.
SM40	5-40	1/4"	.5	6 1/2"	1.2

Part No.	Capacity in. oz.	Female Hex	Increments in. oz.	Length in.	Width in.
SM100	20-100	1/4"	1	5 1/2"	1.1



Heavy-Duty Dial Type Torque Wrenches

Part No.	Drive	Imperial Range	Incr.	Newton Meter Range	Incr.	Head Style	Accuracy
DFN250B	1/2"	0 - 250 ft./lbs.	5	0 - 350 Nm	10	Fixed-head	± 4% CW ± 4% CCW
DFN50B	3/8"	0 - 50 ft./lbs.	1	0 - 70 Nm	2	Fixed-head	± 4% CW ± 4% CCW
DIN250B	3/8"	0 - 250 in./lbs.	5	0 - 30 Nm	0.5	Fixed-head	± 4% CW ± 4% CCW
DIN600B	3/8"	0 - 600 in./lbs.	10	0 - 70 Nm	2	Fixed-head	± 4% CW ± 4% CCW
DIN75B	1/4"	0 - 75 in./lbs.	5	0 - 9 Nm	0.25	Fixed-head	± 4% CW ± 4% CCW
DFE1000	1"	0 - 1000 ft./lbs.	20	N/A	N/A	Fixed-head	± 4% CW ± 4% CCW

Features:

- Individually serialized with matching factory certificate of calibration traceable to N.I.S.T.
- Accuracy noted above is from 20% to 100% of full scale
- Fast, accurate and easy to set in any industrial workplace
- Large easy-to-read dial
- Meets or exceeds ASME B107.14-2004, ISO 6789 standards
- Includes plastic storage case.



Torque Multipliers

Part No.	Input Drive	Output Drive	Max Input Torque		Max Output Torque		Torque Ratio	Length in. (mm)	Weight With Case lb.	Accuracy	Overload Protection	Anti Backlash
TM750A	1/2" F	3/4" M	227	303	750	1017	3.3:1	8.6 (218)	4.0	+/- 5%	No	No
TM1200*	1/2" F	3/4" M	200	271	1200	1627	6.0:1	14.1 (358)	12.5	+/- 5%	Yes	No
TM2200*	1/2" F	1" M	162	271	2200	2983	13.6:1	19.6 (498)	15.2	+/- 5%	Yes	Yes
TM3200*	1/2" F	1" M	173	235	3200	4339	18.5:1	19.6 (498)	19.9	+/- 5%	Yes	Yes

* Includes Custom Molded Plastic Case