

The Finest Wrenches. Period.

Snap-on® wrenches are manufactured with special alloy steel, precision forged and heat treated for optimum strength and durability. The Flank Drive® box-end wrenching system grips the fastener flats and provides up to 15-20% more turning power. Nickel chrome finishing helps protect against corrosion and makes it easy to wipe clean. Longer length handles provide increased leverage and better access to those hard to reach areas.

Flank Drive® Plus

The Flank Drive® Plus teeth design provides more flat-to-flat contact preventing slipping and rounding of the fastener and delivering up to 62% more turning power than conventional open end wrenches.

15° wrench-end offset orientation provides easy access in restricted areas.

Standard Box End

The box end is rotated 7.5° away from the handle so the wrench can be flipped to get a new grip in tight situations.

Set at 15° angle for knuckle clearance and increased access in any space.

Ratcheting Box End

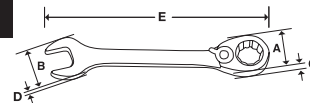
Up to 80 gear teeth lets the wrench move easier with less exertion.

Reversible, dual-pawl ratcheting box end yields smoother operation with greater strength.



WRENCHES

Flank Drive® Plus Combination Reversible Ratcheting Box/Open End



- Open end features *Flank Drive* Plus wrenching configurations that deliver up to 62% more turning power than conventional wrenches
- Longer overall length increases leverage to let the wrench do the work



SOEXRM710

- 12 point box end features the *Flank Drive* wrenching configuration, the proven design for turning fasteners
- Up to 80 gear teeth require minimal movement in tight areas
- Low profile easy action reverse lever won't get in your way



SOEXR707

15° Standard Handle, mm

Set Contains:

mm	12	A	B	C	D	E	Reverse Lever Repair Kit	12
8	SOEXRM8	17.8	17.0	7.1	4.3	149	RKW1	
9	SOEXRM9	19.6	19.2	7.9	4.7	164	RKW2	
10	SOEXRM10	21.5	21.1	8.3	5.1	179	RKW3	•
11	SOEXRM11	22.0	23.4	8.6	5.5	194	RKW3	•
12	SOEXRM12	23.5	25.1	9.3	5.9	207	RKW4	•
13	SOEXRM13	25.0	27.2	10.2	6.3	221	RKW5	•
14	SOEXRM14	27.0	29.2	10.2	6.7	235	RKW6	•
15	SOEXRM15	28.5	31.2	11.1	7.1	249	RKW7	•
16	SOEXRM16	30.5	33.0	11.1	7.4	261	RKW8	•
17	SOEXRM17	32.0	35.1	12.0	7.8	277	RKW9	•
18	SOEXRM18	34.5	37.1	12.0	8.2	291	RKW10	•
19	SOEXRM19	36.5	39.4	12.9	8.6	305	RKW11	•

ASME® B107.100

Set includes storage tray

15° Standard Handle, inches

Set Contains:

mm	12	A	B	C	D	E	Reverse Lever Repair Kit	12
3/8	SOEXR12	27/32	27/32	5/16	3/16	7	RKW3	•
7/16	SOEXR14	7/8	29/32	11/32	7/32	7 5/8	RKW3	•
1/2	SOEXR16	31/32	1 1/16	13/32	1/4	8 11/16	RKW5	•
9/16	SOEXR18	1 1/16	1 5/32	13/32	1/4	9 1/4	RKW6	•
5/8	SOEXR20	1 3/16	1 5/16	7/16	9/32	10 1/4	RKW8	•
11/16	SOEXR22	1 1/4	1 3/8	15/32	5/16	10 7/8	RKW9	•
3/4	SOEXR24	1 7/16	1 9/16	1/2	11/32	12	RKW11	•

ASME B107.100

Set includes storage tray

Flank Drive Combination Ratcheting Box/Open End



OEXRM710

0° Standard Handle, mm

Set Contains:

mm	12	A	B	C	D	E	12
8	OEXRM8	17.8	17.0	7.1	4.3	147	
9	OEXRM9	19.6	19.2	8.0	4.7	159	
10	OEXRM10	21.5	21.1	8.4	5.1	171	•
11	OEXRM11	22.0	23.4	8.7	5.6	183	•
12	OEXRM12	23.5	25.1	9.3	5.9	195	•
13	OEXRM13	25.0	27.2	10.2	6.4	207	•
14	OEXRM14	27.0	29.2	10.2	6.7	219	•
15	OEXRM15	28.5	31.2	11.1	7.1	231	•
16	OEXRM16	30.5	33.0	11.1	7.4	243	•
17	OEXRM17	32.0	35.1	12.0	7.8	255	•
18	OEXRM18	34.5	37.1	12.0	8.2	267	•
19	OEXRM19	36.5	39.4	12.9	8.7	279	•

ASME B107.100

Set includes storage tray



OEXR707

0° Standard Handle, inches

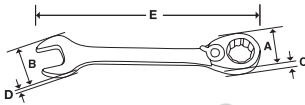
Set Contains:

mm	12	A	B	C	D	E	12
3/8	OEXR12	27/32	27/32	5/16	3/16	6 3/4	•
7/16	OEXR14	7/8	29/32	11/32	7/32	7 3/16	•
1/2	OEXR16	31/32	1 1/16	13/32	1/4	8 3/16	•
9/16	OEXR18	1 1/16	1 5/32	13/32	1/4	8 5/8	•
5/8	OEXR20	1 3/16	1 5/16	7/16	9/32	5 9/16	•
11/16	OEXR22	1 7/32	1 3/8	15/32	5/16	10 1/16	•
3/4	OEXR24	1 15/32	1 9/16	1/2	11/32	11	•

ASME B107.100

Set includes storage tray

Flank Drive® Combination Ratcheting Box/Open End



OXIRM707

Short Handle, mm

mm	12	Set Contains:						12	12
		A	B	C	D	E	OXIRM707		
8	OXIRM8	17.8	17.0	7.1	4.3	88.7	•		
9	OXIRM9	19.6	19.2	8.0	4.8	92.7	•		
10	OXIRM10	21.5	21.1	8.4	5.1	97.0	•		
11	OXIRM11	22.0	23.4	8.7	5.6	101.1	•		
12	OXIRM12	23.5	25.1	9.3	5.9	105.4	•		
13	OXIRM13	25.0	27.2	10.2	6.4	109.5	•		
14	OXIRM14	27.0	29.2	10.2	6.7	113.8	•		
15	OXIRM15	28.5	31.2	11.1	7.1	118.1		•	
16	OXIRM16	30.5	33.0	11.1	7.4	122.2		•	
17	OXIRM17	32.0	35.1	12.0	7.8	126.5		•	
18	OXIRM18	34.5	37.1	12.0	8.2	130.6		•	
19	OXIRM19	36.5	39.4	12.9	8.7	135.4		•	

ASME® B107.100

Sets include storage tray



OXIR707

Short Handle, inches

in	12	Set Contains:						12
		A	B	C	D	E	OXIR707	
3/8	OXIR12	27/32	27/32	5/16	3/16	3 27/32	•	
7/16	OXIR14	7/8	29/32	11/32	7/32	3 31/32	•	
1/2	OXIR16	31/32	1 1/16	13/32	1/4	4 5/16	•	
9/16	OXIR18	1 1/16	1 5/32	13/32	1/4	4 15/32	•	
5/8	OXIR20	1 3/16	1 5/16	15/32	9/32	4 13/16	•	
11/16	OXIR22	1 7/32	1 3/8	15/32	5/16	4 31/32	•	
3/4	OXIR24	1 15/32	1 9/16	1/2	11/32	5 11/32	•	

ASME B107.100

Set includes storage tray

Ratcheting Box/Speed Open End

Reversible Ratcheting Box/Speed Open End, mm

- Patented open end speed wrenching configuration delivers more speed than conventional wrenches
- Speed open end provides quick, ratchet like action
- Flank Drive wrenching system on box end provides up to 15 to 20% more turning power with less risk of tool or fastener damage
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Up to 80 gear teeth for minimal movement in tight areas
- Box ends are offset 15° for clearance
- Sized for optimum comfort and balance
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

mm	12	Set Contains:						12
		A	B	C	D	E	Gear Teeth	
10	SRXRM10	21.5	19.1	8.3	5.1	179	72	•
11	SRXRM11	22.0	21.0	8.6	5.6	194	72	•
12	SRXRM12	23.5	22.9	9.3	5.9	207	80	•
13	SRXRM13	25.0	24.8	10.2	6.4	221	80	•
14	SRXRM14	27.0	26.7	10.2	6.6	235	80	•
15	SRXRM15	28.5	28.6	11.1	7.1	249	80	•
16	SRXRM16	30.5	30.5	11.1	7.4	261	80	•
17	SRXRM17	32.0	32.4	12.0	7.9	277	80	•
18	SRXRM18	34.5	34.3	12.0	8.2	291	80	•
19	SRXRM19	36.5	36.2	12.9	8.6	305	80	•

ASME B107.100

Set includes storage tray



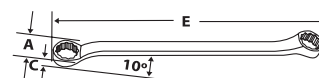
SRXRM710

High Performance Ratcheting Box

Ratcheting Box, mm

mm	12	Set Contains:			12
		A	C	E	
10	XDHRM10	14.4	6.3	256.5	•
13	XDHRM13	18.7	7.5	295.4	•
15	XDHRM15	21.5	8.8	349.3	•
10	XDHRM17	23.7	9.0-10.2	375.2	•

Set includes kit bag



XDHRM604



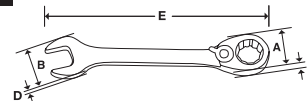
WARNING



- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Combination Reversible Ratcheting Box/Open End (Blue-Point®)



BOERM712



BOER708

Standard Handle, 15° Offset, mm

mm	12	A	B	C	D	E	Set Contains:	
							BOERM712	BOERM704
6	BOERM6	16.3	16.3	6.6	3.6	114.3		
7	BOERM7	16.5	16.4	6.6	3.9	125.0		
8	BOERM8	17.8	17.7	6.5	4.0	135.0	•	
9	BOERM9	19.5	20.0	7.4	4.0	150.0	•	
10	BOERM10	21.5	21.9	8.0	5.0	160.0	•	
11	BOERM11	22.0	23.9	8.5	5.5	170.0	•	
12	BOERM12	23.5	25.0	9.0	5.5	175.0	•	
13	BOERM13	25.0	25.9	10.0	6.3	180.0	•	
14	BOERM14	27.0	29.9	10.0	6.5	190.0	•	
15	BOERM15	28.5	31.1	11.0	7.0	200.0	•	
16	BOERM16	30.5	33.6	11.0	7.0	210.0	•	
17	BOERM17	32.0	36.5	12.0	7.0	230.0	•	
18	BOERM18	34.5	38.5	12.0	8.0	240.0	•	
19	BOERM19	36.5	38.7	12.9	8.7	250.0	•	
21	BOERM21	39.4	43.2	13.7	9.4	266.7		•
22	BOERM22	41.7	45.7	14.5	9.4	285.8		•
24	BOERM24	46.5	49.5	15.5	11.2	304.8		•
25	BOERM25	47.2	52.8	15.5	11.2	327.2		•

ASME® B107.100

Sets include storage tray

Standard Handle, 15° Offset, inches

In	12	A	B	C	D	E	Set Contains:	
							BOER708	BOER704
1/4	BOER8	21/32	21/32	1/4	5/32	4 1/2		
5/16	BOER10	11/16	11/16	1/4	5/32	5 5/16	•	
3/8	BOER12	27/32	7/8	5/16	3/16	6 5/16	•	
7/16	BOER14	7/8	15/16	11/32	7/32	6 11/16	•	
1/2	BOER16	31/32	1 1/32	13/32	1/4	7 1/16	•	
9/16	BOER18	1 1/16	1 3/16	13/32	1/4	7 1/2	•	
5/8	BOER20	1 3/16	1 5/16	7/16	9/32	8 1/4	•	
11/16	BOER22	1 1/4	1 7/16	15/32	9/32	9 1/16	•	
3/4	BOER24	1 7/16	1 17/32	1/2	11/32	9 13/16	•	
13/16	BOER26	1 9/16	1 23/32	17/32	3/8	10 1/2		•
7/8	BOER28	1 21/32	1 27/32	9/16	3/8	11 1/4		•
15/16	BOER30	1 27/32	1 31/32	5/8	7/16	12		•
1	BOER32	1 7/8	2 3/32	5/8	7/16	12 7/8		•

ASME B107.100

Sets include storage tray

Ratcheting Wrench Adaptors



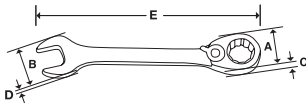
RWA404

- Converts ratcheting wrench into a ratchet
- Use with reversible ratcheting box wrenches such as the SOEXRM, BOERM, BOERMF and BOERMS series
- Can be used with the combination ratcheting box wrenches such as the OEXRM and OXIRM series
- Use reverse lever on wrench to secure or remove adaptor from wrench
- Push button on adaptor to release socket

Ratcheting Wrench Adaptors

Stock No.	Configuration	Use with Ratcheting Wrench Size	Set Contains:	
			RWA404	RWA404FR
RWA1	1/4" drive	13mm	•	
RWA2	3/8" drive	16mm	•	
RWA3	1/2" drive	19mm	•	
RWA4	1/4" hex	13mm	•	
RWA1FR	1/4" drive	1/2"		•
RWA2FR	3/8" drive	5/8"		•
RWA3FR	1/2" drive	3/4"		•
RWA4FR	1/4" hex	1/2"		•

WRENCHES



Combination Ratcheting Box/Open End (Blue-Point®)

- Flex head pivots 90° in either direction to reach hard to get fasteners
- Reversible, dual pawl ratcheting box end yields smooth operation and maximum strength
- 4.5 (5 or smaller wrenches) tooth engagement; less movement to engage the next tooth
- Tough, durable nickel-chrome finish



BOERMF712A



BOERF708A

Flex Head/Standard, 15° Offset, mm

mm	12	A	B	C	D	E		12
8	BOERMF8A	17.8	17.7	6.5	4.0	142	60	•
9	BOERMF9A	19.5	20.0	7.4	4.0	152	72	•
10	BOERMF10A	21.5	21.9	8.0	5.0	162	72	•
11	BOERMF11A	22.0	23.9	8.5	5.5	172	72	•
12	BOERMF12A	23.5	25.0	9.0	5.5	180	80	•
13	BOERMF13A	25.0	25.9	10.0	6.3	188	80	•
14	BOERMF14A	27.0	29.9	10.0	6.5	196	80	•
15	BOERMF15A	28.5	31.1	11.0	7.0	204	80	•
16	BOERMF16A	30.5	33.6	11.0	7.0	214	80	•
17	BOERMF17A	32.0	36.5	12.0	7.0	228	80	•
18	BOERMF18A	34.5	38.5	12.0	8.0	242	80	•
19	BOERMF19A	36.5	38.7	12.9	8.7	256	80	•

ASME® B107.100

Set includes storage tray

- Up to 80 gear teeth; less movement required to engage next tooth
- 12 point Flank Drive® wrenching system is ideal in tight quarters
- Small footprint with 0° offset unidirectional gear



BOERMS712



Flex Head/Standard, 15° Offset, inches

in	12	A	B	C	D	E		12
5/16	BOERF10A	11/16	11/16	1/4	5/32	519/32	72	•
3/8	BOERF12A	27/32	7/8	5/16	3/16	63/8	72	•
7/16	BOERF14A	7/8	15/16	11/32	7/32	63/4	72	•
1/2	BOERF16A	31/32	1 1/32	13/32	1/4	713/32	80	•
9/16	BOERF18A	1 1/16	1 3/16	13/32	1/4	723/32	80	•
5/8	BOERF20A	1 3/16	1 5/16	7/16	9/32	87/16	80	•
11/16	BOERF22A	1 1/4	1 7/16	15/32	9/32	831/32	80	•
3/4	BOERF24A	1 7/16	1 17/32	1/2	11/32	101/16	80	•

ASME B107.100

Set includes storage tray

- Low ratcheting torque is less likely to move loose fastener in wrong direction
- High quality steel ensures a better fit and yields a long lasting tool



BOERS708



Short, 15° Offset, mm

mm	12	A	B	C	D	E		12
8	BOERMS8	17.8	17.7	6.5	4.0	90	•	
9	BOERMS9	19.5	20.0	7.4	4.0	95	•	
10	BOERMS10	21.5	21.9	8.0	5.0	100	•	
11	BOERMS11	22.0	23.9	8.5	5.5	105	•	
12	BOERMS12	23.5	25.0	9.0	5.5	110	•	
13	BOERMS13	25.0	25.9	10.0	6.3	115	•	
14	BOERMS14	27.0	29.9	10.0	6.5	120	•	
15	BOERMS15	28.5	31.1	11.0	7.0	125	•	
16	BOERMS16	30.5	33.6	11.0	7.0	128	•	
17	BOERMS17	32.0	36.5	12.0	7.0	132	•	
18	BOERMS18	34.5	38.5	12.0	8.0	138	•	
19	BOERMS19	36.5	38.7	12.9	8.7	142	•	

ASME B107.100

Set includes storage tray

Short, 15° Offset, inches

in	12	A	B	C	D	E		12
5/16	BOERS10	11/16	11/16	1/4	5/32	3 9/16	•	
3/8	BOERS12	27/32	7/8	5/16	3/16	3 15/16	•	
7/16	BOERS14	7/8	15/16	11/32	7/32	4 1/8	•	
1/2	BOERS16	31/32	1 1/32	13/32	1/4	4 1/2	•	
9/16	BOERS18	1 1/16	1 3/16	13/32	1/4	4 3/4	•	
5/8	BOERS20	1 3/16	1 5/16	7/16	9/32	5 1/16	•	
11/16	BOERS22	1 1/4	1 7/16	15/32	9/32	5 3/16	•	
3/4	BOERS24	1 7/16	1 17/32	1/2	11/32	5 9/16	•	

ASME B107.100

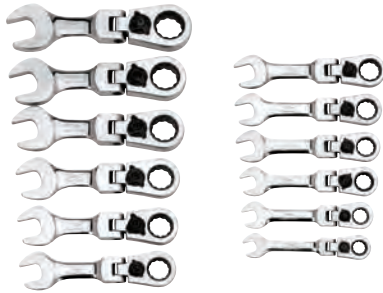
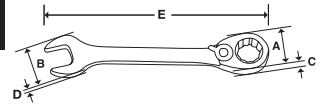
Set includes storage tray



- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Flex Head Ratcheting Box/Open End (Blue-Point®)



BOERMSF712



BOERSF708

Flex Head Ratcheting Box/ Open End, Stubby, 15° Offset, mm

Set Contains:
BOERMSF712

mm	12	A	B	C	D	E	12
8	BOERMSF8	17.8	17.7	6.5	4.0	94	•
9	BOERMSF9	19.5	20.0	7.4	4.0	98	•
10	BOERMSF10	21.5	21.9	8	5	103	•
11	BOERMSF11	22	23.9	8.5	5.5	108	•
12	BOERMSF12	23.5	25	9	5.5	111	•
13	BOERMSF13	25	25.9	10	6.3	115	•
14	BOERMSF14	27	29.9	10	6.5	120	•
15	BOERMSF15	28.5	31.1	11	7	124	•
16	BOERMSF16	30.5	33.6	11	7	128	•
17	BOERMSF17	32	36.5	12	7	133	•
18	BOERMSF18	34.5	38.5	12	8	140	•
19	BOERMSF19	36.5	38.7	12.9	8.7	147	•

ASME® B107.100

Set includes kit bag

Flex Head Ratcheting Box/ Open End, Stubby, 15° Offset, inches

Set Contains:
BOERSF708

11	12	A	B	C	D	E	12
5/16	BOERSF10	11/16	11/16	1/4	5/32	3 11/16	•
3/8	BOERSF12	27/32	7/8	5/16	3/16	4 1/16	•
7/16	BOERSF14	7/8	15/16	11/32	7/32	4 1/4	•
1/2	BOERSF16	31/32	1 1/32	13/32	1/4	4 17/32	•
9/16	BOERSF18	1 1/16	1 3/16	13/32	1/4	4 23/32	•
5/8	BOERSF20	1 3/16	1 5/16	7/16	9/32	5 1/32	•
11/16	BOERSF22	1 1/4	1 7/16	15/32	9/32	5 1/4	•
3/4	BOERSF24	1 7/16	1 17/32	1/2	11/32	5 25/32	•

ASME B107.100

Set includes kit bag

Locking Flex Head Ratcheting Box (Blue-Point)



BOERMFLCG712



BOERFLCG708

Locking Flex Head Ratcheting Box/ Cushion Grip, mm

Set Contains:
BOERMFLCG712

mm	12	A	B	C	D	12
8	BOERMFLCG8	17.8	6.55	32	228	•
9	BOERMFLCG9	19.5	7.45	34	229	•
10	BOERMFLCG10	21.5	8.05	38	233	•
11	BOERMFLCG11	22	8.55	40	235	•
12	BOERMFLCG12	23.5	9.05	42	285	•
13	BOERMFLCG13	25	10.05	45	287	•
14	BOERMFLCG14	27	10.05	48	289	•
15	BOERMFLCG15	28.5	11.05	52	293	•
16	BOERMFLCG16	30.5	11.05	54	347	•
17	BOERMFLCG17	32	12.05	56	348	•
18	BOERMFLCG18	34.5	12.05	60	352	•
19	BOERMFLCG19	36.5	12.95	64	354	•

ASME B107.100

Set includes kit bag

Locking Flex Head Ratcheting Box/ Cushion Grip, inches

Set Contains:
BOERFLCG708

11	12	A	B	C	D	12
5/16	BOERFLCG10	23/32	1/4	1 1/4	9	•
3/8	BOERFLCG12	27/32	5/16	1 1/2	9 1/4	•
7/16	BOERFLCG14	7/8	11/32	1 9/16	9 19/32	•
1/2	BOERFLCG16	31/32	13/32	1 25/32	11 9/32	•
9/16	BOERFLCG18	1 1/16	13/32	1 29/32	11 3/8	•
5/8	BOERFLCG20	1 7/32	7/16	2 1/8	13 21/32	•
11/16	BOERFLCG22	1 1/4	15/32	2 7/32	13 23/32	•
3/4	BOERFLCG24	1 7/16	1/2	2 17/32	13 15/16	•

ASME B107.100

Set includes kit bag

Flank Drive® Plus Combination



Snap-on® *Flank Drive Plus* combination wrenches exceed the limits of any other open end design. The open end features a series of flutes or notches that grip a fastener away from its corners much like our box ends do.

Force is directed away from the weaker corners of the nut and directed to the stronger flats. You can actually see the grip. In fact, on some fasteners that you don't want marked, you should use our standard wrench.

Standard Length, mm

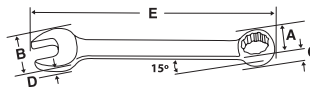
mm	Set Contains:						SOEXM710		SOEXM707	
	12	A	B	C	D	E	12	12		
7	SOEXM7	11	15	5	4	135				
8	SOEXM8	13	17	6	4	146				
9	SOEXM9	14	19	6	5	159				
10	SOEXM10	15	21	7	5	171	•	•		
11	SOEXM11	17	23	8	6	184	•	•		
12	SOEXM12	18	25	8	6	195	•	•		
13	SOEXM13	20	27	9	6	207	•	•		
14	SOEXM14	21	29	9	7	219	•	•		
15	SOEXM15	22	31	10	7	231	•	•		
16	SOEXM16	24	33	10	7	242	•	•		
17	SOEXM17	25	35	11	8	255	•	•		
18	SOEXM18	27	37	12	8	267	•			
19	SOEXM19	28	39	12	9	279	•			
20	SOEXM20	30	41	13	9	292				
21	SOEXM21	31	43	13	9	304				
22	SOEXM22	33	46	14	10	318				
23	SOEXM23	34	47	14	10	327				
24	SOEXM24	35	49	15	11	337				
25	SOEXM25	37	52	16	11	356				

ASME® B107.100

Sets include storage tray



SOEXM710



Selection, convenience and quality. *Flank Drive Plus* combination wrenches are available in many different styles and sizes. Just like all *Snap-on* wrenches, they are sized for optimum comfort and balance in your hand. Tough, durable, nickel-chrome plating produces a mirror like finish, that helps protect against corrosion and makes it easy to wipe the wrenches clean.

Standard Length, inches

In	Set Contains:						SOEX710		SOEX707	
	12	A	B	C	D	E	12	12		
1/4	SOEX8	13/32	17/32	3/16	5/32	5				
5/16	SOEX10	1/2	21/32	7/32	5/32	5 3/4	•			
11/32	SOEX11	17/32	23/32	1/4	3/16	6 1/8	•			
3/8	SOEX12	19/32	25/32	1/4	3/16	6 1/2	•	•		
7/16	SOEX14	21/32	29/32	7/32	7/32	7 1/4	•	•		
1/2	SOEX16	3/4	1 1/16	11/32	1/4	8	•	•		
9/16	SOEX18	27/32	1 5/32	3/8	9/32	8 3/4	•	•		
5/8	SOEX20	15/16	1 5/16	13/32	9/32	9 1/2	•	•		
11/16	SOEX22	1 1/32	1 13/32	7/16	5/16	10 1/4	•	•		
3/4	SOEX24	1 1/8	1 9/16	15/32	11/32	11	•	•		
13/16	SOEX26	1 3/16	1 21/32	17/32	3/8	11 3/4	•			
7/8	SOEX28	1 9/32	1 13/16	9/16	3/8	12 1/2				
15/16	SOEX30	1 3/8	1 29/32	19/32	13/32	13 1/4				
1	SOEX32	1 15/32	2 1/32	5/8	7/16	14				
1 1/16	SOEX34	1 9/16	2 5/32	19/32	15/32	14 3/4				
1 1/8	SOEX36	1 5/8	2 5/16	11/16	15/32	15 17/32				
1 3/16	SOEX38	1 23/32	2 13/32	23/32	1/2	16 1/4				
1 1/4	SOEX40	1 13/16	2 9/16	3/4	17/32	17				
1 5/16	SOEX42	1 29/32	2 21/32	3/4	9/16	17 25/32				

ASME B107.100

Sets include storage tray



SOEX710



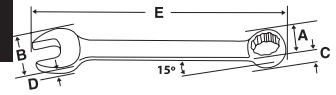
WARNING



- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Flank Drive® Combination



OEXSM710B



GOEXM17B

Short Handle, mm

mm	12		Set Contains:					12		
	A	B	C	D	E					
6	OEXM6B	GOEXM6B	10	13	5	4	113	•	•	
7	OEXM7B	GOEXM7B	11	15	5	4	118	•	•	
8	OEXM8B	GOEXM8B	13	17	6	4	123	•	•	
9	OEXM9B	GOEXM9B	14	19	6	5	128	•	•	
10	OEXM10B	GOEXM10B	15	21	7	5	133	•	•	•
11	OEXM11B	GOEXM11B	17	23	8	6	138	•	•	•
12	OEXM12B	GOEXM12B	18	25	8	6	142	•	•	•
13	OEXM13B	GOEXM13B	20	27	9	6	148	•	•	•
14	OEXM14B	GOEXM14B	21	29	9	7	152	•	•	•
15	OEXM15B	GOEXM15B	22	31	10	7	157	•	•	•
16	OEXM16B	GOEXM16B	24	33	10	7	162	•	•	•
17	OEXM17B	GOEXM17B	25	35	11	8	167	•	•	•
18	OEXM18B	GOEXM18B	27	37	12	8	172	•	•	•
19	OEXM19B	GOEXM19B	28	39	12	9	177	•	•	•
20	OEXM20B		30	41	13	9	182	•		
21	OEXM21B		31	43	13	9	186	•		
22	OEXM22B		33	46	14	10	192	•		
23	OEXM23B		34	47	14	10	197	•		
24	OEXM24B		35	49	15	11	201	•		
Kit Bag										C1402

ASME B107.100

*Set includes storage tray



OEXS715K



GOEX200B



OEXS709B

Short Handle, inches

In	12		Set Contains:					12		
	A	B	C	D	E					
1/4	OEX080B	GOEX080B	13/32	17/32	3/16	5/32	4 17/32	•	•	
9/32	OEX090B		7/16	19/32	7/32	5/32	4 21/32	•	•	
5/16	OEX100B	GOEX100B	1/2	21/32	7/32	5/32	4 27/32	•	•	•
11/32	OEX110B	GOEX110B	17/32	23/32	1/4	3/16	5	•	•	•
3/8	OEX120B	GOEX120B	19/32	25/32	1/4	3/16	5 1/8	•	•	•
7/16	OEX140B	GOEX140B	21/32	29/32	5/16	7/32	5 7/16	•	•	•
1/2	OEX160B	GOEX160B	3/4	1 1/16	11/32	1/4	5 3/4	•	•	•
9/16	OEX180B	GOEX180B	27/32	1 5/32	3/8	9/32	6 1/16	•	•	•
5/5	OEX200B	GOEX200B	15/16	1 5/16	13/32	9/32	6 11/32	•	•	•
11/16	OEX220B	GOEX220B	1 1/32	1 13/32	7/16	5/16	6 21/32	•	•	•
3/4	OEX240B	GOEX240B	1 1/8	1 9/16	15/32	11/32	6 31/32	•	•	•
13/16	OEX260B	GOEX260B	1 3/16	1 21/32	17/32	3/8	7 9/32	•	•	
7/8	OEX280B	GOEX280B	1 9/32	1 13/16	9/16	3/8	7 9/16	•	•	
15/16	OEX300B	GOEX300B	1 3/8	1 29/32	19/32	13/32	7 7/8	•	•	
1	OEX320B	GOEX320B	1 15/32	2 1/32	5/8	7/16	8 3/16	•	•	
1 1/16	OEX340B		1 9/16	2 5/32	21/32	15/32	8 17/32	•		
1 1/8	OEX360B		1 5/8	2 5/16	11/16	1/2	8 27/32	•		
1 3/16	OEX380B		1 23/32	2 13/32	23/32	1/2	9 1/8	•		
1 1/4	OEX400B		1 13/16	2 9/16	3/4	17/32	9 7/16	•		
1 5/16	OEX420B		1 29/32	2 21/32	3/4	9/16	9 3/4	•		
1 3/8	OEX440B		2	2 13/16	3/4	19/32	10 1/16	•		
Kit Bag										C1505

ASME B107.100

*Set includes storage tray



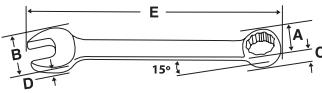
OEXLM710B

Long Handle, mm

mm	12		Set Contains:					12
	A	B	C	D	E			
10	OEXLM10B		15	21	7	5	186	•
11	OEXLM11B		17	23	8	6	203	•
12	OEXLM12B		18	25	8	6	218	•
13	OEXLM13B		20	27	9	6	234	•
14	OEXLM14B		21	29	9	7	250	•
15	OEXLM15B		22	31	10	7	266	•
16	OEXLM16B		24	33	10	7	282	•
17	OEXLM17B		25	35	11	8	298	•
18	OEXLM18B		27	37	12	8	314	•
19	OEXLM19B		28	39	12	9	330	•

ASME B107.100

Set includes storage tray



Long Handle, inches

Set Contains:

OEXL707B

11	12	A	B	C	D	E	12
3/8	OEXL12B	19/32	25/32	1/4	3/16	7	•
7/16	OEXL14B	21/32	29/32	5/16	7/32	8	•
1/2	OEXL16B	3/4	1 1/16	11/32	1/4	9	•
9/16	OEXL18B	27/32	1 5/32	3/8	9/32	10	•
5/8	OEXL20B	15/16	1 5/16	13/32	9/32	11	•
11/16	OEXL22B	1 1/32	1 13/32	7/16	5/16	12	•
3/4	OEXL24B	1 1/8	1 9/16	15/32	11/32	13	•
13/16	OEXL26B	1 3/16	1 21/32	17/32	3/8	14	•
7/8	OEXL28B	1 9/32	1 13/16	9/16	3/8	15	•
15/16	OEXL30B	1 3/8	1 29/32	19/32	13/32	16	•
1	OEXL32B	1 15/32	2 1/32	5/8	7/16	17	•

ASME® B107.100

Set includes storage tray



OEXL707B

Midget, mm

Set Contains:

OXIM717

OXIM707SBK

OXIM708**

mm	6	12	A	B	C	D	E		6	12
4	OXIM4SB*		7	10	4	3	72	6 point	•	
5	OXIM5SB*		8	12	4	3	76	6 point	•	
5.5	OXIM5.5SB		9	13	4	4	79	6 point	•	
6	OXIM6SB	OXIM6B	10	13	5	4	81	12 point	•	
7	OXIM7SB	OXIM7B	11	15	5	4	85	12 point	•	
8	OXIM8SB	OXIM8B	13	17	6	4	89	12 point	•	
9	OXIM9SB	OXIM9B	14	19	6	5	93	12 point	•	
10		OXIM10B	15	21	7	5	98	12 point		•
11		OXIM11B	17	23	8	6	102	12 point		•
12		OXIM12B	18	25	8	6	106	12 point		•
13		OXIM13B	20	27	9	6	110	12 point		•
14		OXIM14B	21	29	9	7	115	12 point		•
15		OXIM15B	22	31	10	7	119	12 point		•
16		OXIM16B	24	33	10	7	122	12 point		•
17		OXIM17B	25	35	11	8	127	12 point		•
18		OXIM18B	27	37	12	8	131	12 point		•
19		OXIM19B	28	39	12	9	136	12 point		•
	Kit Bag								C0700	

ASME B107.100

*Conventional Hex

**Set includes storage tray



OXIM707SBK

Midget, inches

Set Contains:

OXI709SBK

OXI707BK

OXI715

OXI706B**

11	6	12	A	B	C	D	E	6	12		12
1/8	OXI4SB*		7/32	11/32	1/8	1/8	2 11/16	•			6 point
5/32	OXI5SB*		9/32	13/32	5/32	1/8	2 27/32	•			6 point
3/16	OXI6SB*	OXI6B*	5/16	7/16	5/32	1/8	2 31/32	•	•		12 point
7/32	OXI7SB	OXI7B	3/8	1/2	3/16	1/8	3 3/32	•	•		12 point
1/4	OXI8SB	OXI8B	13/32	17/32	3/16	5/32	3 7/32	•	•		12 point
9/32	OXI9SB	OXI9B	7/16	19/32	7/32	5/32	3 11/32	•	•		12 point
5/16	OXI10SB	OXI10B	1/2	21/32	7/32	5/32	3 1/2	•	•		12 point
11/32	OXI11SB	OXI11B	17/32	23/32	1/4	3/16	3 5/8	•	•		12 point
3/8	OXI12SB	OXI12B	19/32	25/32	1/4	3/16	3 3/4	•	•		12 point
7/16		OXI14B	21/32	29/32	5/16	7/32	4 1/32				12 point •
1/2		OXI16B	3/4	1 1/16	11/32	1/4	4 9/32				12 point •
9/16		OXI18B	27/32	1 5/32	3/8	9/32	4 17/32				12 point •
5/8		OXI20B	15/16	1 5/16	13/32	9/32	4 13/16				12 point •
11/16		OXI22B	1 1/32	1 13/32	7/16	5/16	5 1/16				12 point •
3/4		OXI24B	1 1/8	1 9/16	15/32	11/32	5 11/32				12 point •
	Kit Bag							C0900A	C0700		

ASME B107.100

*Conventional Hex

**Set includes storage tray



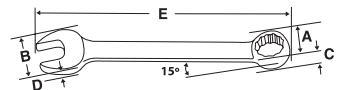
OXI709SBK



- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES

British Standard



WOEX90B

Short Handle Combination

BS	Decimal Equiv., inches	12	A	B	C	D	E
3/16	.338	WOEX6B	25/32	19/32	3/16	1/4	5 3/32
1BA	.365	WOEX70B	25/32	19/32	3/16	1/4	5 1/8
OBA	.413	WOEX80B	29/32	21/32	7/32	5/16	5 13/32
1/4	.445	WOEX90B	29/32	21/32	7/32	5/16	5 15/32
5/16	.52	WOEX100B	1 5/32	27/32	9/32	3/8	6 1/32
3/8	.600	WOEX110B	1 5/16	15/16	9/32	13/32	6 11/32
7/16	.710	WOEX120B	1 5/16	1 1/32	5/16	7/16	6 23/32

Combination Wrenches (Blue-Point®)



BLPCWSM712

Standard, mm

mm	Stock No.	Length, mm	12
8	BLPCWM8	148	•
9	BLPCWM9	160	•
10	BLPCWM10	167	•
11	BLPCWM11	186	•
12	BLPCWM12	196	•
13	BLPCWM13	205	•
14	BLPCWM14	223	•
15	BLPCWM15	233	•
16	BLPCWM16	243	•
17	BLPCWM17	262	•
18	BLPCWM18	272	•
19	BLPCWM19	281	•

Set Contains:
BLPCWSM712

Set includes storage tray



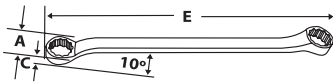
BLPCWS711

Standard, inches

in	Stock No.	Length, inches	12
1/4	BLPCW14	5 1/32	
5/16	BLPCW516	5 7/32	
3/8	BLPCW38	6 9/16	•
7/16	BLPCW716	7 11/32	•
1/2	BLPCW12	8 1/16	•
9/16	BLPCW916	8 25/32	•
5/8	BLPCW58	9 9/16	•
11/16	BLPCW1116	10 5/16	•
3/4	BLPCW34	11 1/16	•
13/16	BLPCW1316	11 27/32	•
7/8	BLPCW78	12 19/16	•
15/16	BLPCW1516	13 11/32	•
1	BLPCW1	14 3/32	•

Set Contains:
BLPCWS711

Set includes storage tray



Midget, 10° Offset, inches

Set Contains: **XID604KA**

		A	C	E	
3/16 - 13/64	XID1213A	5/16 - 11/32	1/8 - 5/32	2 13/16	•
7/32 - 15/64	XID1415A	3/8 - 3/8	5/32 - 5/32	3 1/16	•
1/4 - 9/32	XID1618A	13/32 - 7/16	5/32 - 3/16	3 13/32	•
5/16 - 11/32	XID2022A	15/32 - 1/2	3/16 - 7/32	3 31/32	•
Kit Bag					C0401

ASME® B107.100



XID604KA



Set Contains: **XLE605**

	A	C	E		
E5 - E6	XLE56	9/32 - 5/16	5/32 - 3/16	6 13/32	•
E7 - E8	XLE78	11/32 - 3/8	7/32 - 7/32	7 7/32	•
E10 - E12	XLE1012A	15/32 - 17/32	1/4 - 5/16	8 7/8	•
E14 - E16	XLE1416	5/8 - 23/32	11/32 - 11/32	10 7/16	•
E18 - E20	XLE1820	13/16 - 7/8	13/32 - 7/16	12 3/8	•

ASME B107.100

Set includes storage tray



XLE605

Standard Length, 10° Offset, mm

Set Contains: **XBM605A**

			A	C	E	
8 - 10		XBM810A	12.3 - 15	6.7 - 7.7	185	
10 - 11		XBM1011A	15 - 16.4	7.7 - 8.3	202	•
10 - 12		XBM1012A	15 - 17.7	7.7 - 8.8	208	
11 - 13		XBM1113A	16.4 - 19.1	8.3 - 9.3	219	
12 - 14	XBM1214SA	XBM1214A	17.7 - 20.4	8.8 - 9.7	230	•
13 - 15	XBM1315SA	XBM1315A	19.1 - 21.8	9.3 - 10.2	241	•
14 - 17		XBM1417A	20.4 - 24.5	9.8 - 11.4	248	
16 - 18		XBM1618A	23.1 - 25.9	10.9 - 11.9	275	•
17 - 19		XBM1719A	24.5 - 27.2	11.4 - 12.3	286	•
18 - 21		XBM1821A	25.9 - 29.9	11.9 - 13.3	303	
22 - 24		XBM2224A	31.3 - 34	13.7 - 14.7	342	
27 - 30		XBM2730A	38.1 - 42.2	16 - 17.3	404	

ASME B107.100

Set includes storage tray



XBM605A

Standard Length, 10° Offset, inches

Set Contains: **XB605A**

		A	C	E	
3/8 - 7/16	XB1214A	9/16 - 21/32	5/16 - 11/32	7 19/32	•
7/16 - 1/2	XB1416A	21/32 - 3/4	5/16 - 11/32	7 15/16	
1/2 - 9/16	XB1618A	3/4 - 13/16	11/32 - 3/8	8 11/16	•
9/16 - 5/8	XB1820A	13/16 - 29/32	13/32 - 7/16	9 13/32	
5/8 - 11/16	XB2022A	29/32 - 1	7/16 - 15/32	10 5/32	•
11/16 - 3/4	XB2224A	1 - 1 1/16	15/32 - 1/2	10 15/16	
3/4 - 13/16	XB2426A	1 1/16 - 1 5/32	1/2 - 17/32	11 21/32	•
7/8 - 15/16	XB2830A	1 1/4 - 1 11/32	17/32 - 9/16	13 1/8	•
15/16 - 1	XB3032A	1 11/32 - 1 13/32	9/16 - 19/32	13 7/8	
1 - 1 1/16	XB3234A	1 13/32 - 1 1/2	19/32 - 5/8	14 19/32	
1 1/16 - 1 1/4	XB3440A	1 1/2 - 1 3/4	5/8 - 23/32	16 3/32	
1 1/8 - 1 3/16	XB3638A	1 9/32 - 1 21/32	21/32 - 11/16	16 3/32	
1 1/4 - 1 5/16	XB4042A	1 3/4 - 1 27/32	23/32 - 3/4	17 19/32	
1 3/8 - 1 7/16	XB4446A	1 31/32 - 2 1/16	3/4 - 25/32	19 1/8	
1 1/2 - 1 5/8	XB4852A	2 3/32 - 2 9/32	13/16 - 7/8	20 15/16	

ASME B107.100

Set includes storage tray



XB605A



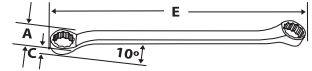
WARNING



- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Flank Drive® Offset Box



XSM608A



XS609A

Short Handle, 10° Offset, mm

Set Contains: XSM608A

mm	12	A	C	E	12
6 - 7	XSM67A	9.6 - 10.9	5.7 - 6.2	86	•
8 - 9	XSM89A	12.3 - 13.7	6.7 - 7.2	103	•
8 - 10	XSM810	12.3 - 15	6.7 - 7.7	107	•
9 - 10	XSM910A	13.7 - 15	7.2 - 7.7	112	•
11 - 12	XSM1112A	16.4 - 17.7	8.3 - 8.8	128	•
13 - 14	XSM1314A	19.1 - 20.4	9.3 - 9.8	146	•
15 - 16	XSM1516A	21.8 - 23.1	10.2 - 10.9	163	•
17 - 19	XSM1719A	24.5 - 27.2	11.4 - 12.3	185	•
18 - 20	XSM1820A	25.9 - 28.6	11.9 - 12.8	194	•

ASME® B107.100

Set includes storage tray

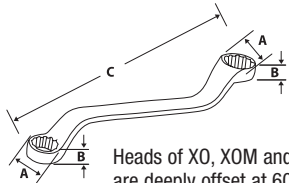
Short Handle, 10° Offset, inches

Set Contains: XS609A

11	12	A	C	E	12
3/16 - 7/32	XS67A	5/16 - 11/32	7/32 - 7/32	3 27/32	•
1/4 - 5/16	XS810A	13/32 - 15/32	1/4 - 9/32	4 1/4	•
5/16 - 3/8	XS1012A	15/32 - 9/16	9/32 - 5/16	4 9/16	•
3/8 - 7/16	XS1214A	9/16 - 21/32	5/16 - 11/32	4 29/32	•
7/16 - 1/2	XS1416A	21/32 - 3/4	11/32 - 11/32	5 3/16	•
1/2 - 9/16	XS1618A	3/4 - 13/16	3/8 - 3/8	5 17/32	•
9/16 - 5/8	XS1820A	13/16 - 29/32	13/32 - 7/16	5 7/8	•
5/8 - 3/4	XS2024A	29/32 - 1 1/16	7/16 - 1/2	6 3/8	•
11/16 - 13/16	XS2226A	1 - 1 5/32	15/32 - 17/32	6 23/32	•

ASME B107.100

Set includes storage tray



Heads of XO, XOM and XSO wrenches are deeply offset at 60° angle to the handles so recessed fasteners may be easily reached.



XOM605



XO605



XSO1214A

Standard Length, Deep 60° Offset, mm

Set Contains: XOM605

mm	12	A	B	C	12
8 - 10	XOM810	11.7 - 14.2	6.9 - 7.3	178.1	•
10 - 11	XOM1011	15 - 16.3	7.6	193.0	•
12 - 14	XOM1214	15 - 20.3	9.0	210.0	•
13 - 15	XOM1315	16.3 - 21.2	8.9	223.0	•
16 - 18	XOM1618	17.7 - 25.4	10.8	253.0	•
17 - 19	XOM1719	17.7 - 27.4	11.1	260.0	•
20 - 21	XOM2021	32.5 - 33.3	13.7	329.6	•
22 - 24	XOM2224	31.9 - 34.1	13.7	329.6	•

ASME B107.100

Set includes storage tray

Standard Length, Deep 60° Offset, inches

Set Contains: XOM605

11	12	A	B	C	12
1/4 - 5/16	XO810	3/8	9/32 (1/4 - 9/32)	6 13/32	•
5/16 - 3/8	XO1012	15/32 - 9/16	9/32	7	•
3/8 - 7/16	XO1214	9/16 - 5/8	5/16	7 19/32	•
1/2 - 9/16	XO1618	23/32 - 13/16	11/32	8 25/32	•
9/16 - 5/8	XO1820	13/16 - 29/32	13/32	9 3/8	•
5/8 - 11/16	XO2022	29/32 - 1	13/32	9 15/16	•
5/8 - 3/4	XO2024	29/32 - 1 3/32	7/16	10 1/4	•
11/16 - 13/16	XO2226	1 - 1 5/32	15/32	10 27/32	•
3/4 - 7/8	XO2428	1 3/32 - 1 1/4	1/2	11 13/32	•
7/8 - 15/16	XO2830	1 1/4 - 1 11/32	17/32	12 31/32	•
15/16 - 1	XO3032	1 11/32 - 1 7/16	9/16	13 15/16	•

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Set includes storage tray

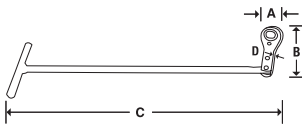
Short Handle, Deep 60° Offset, inches

11	12	A	B	C
1/4 - 5/16	XS0810A	3/8 - 7/16	3/16 - 7/32	4 5/32
3/8 - 7/16	XS01214A	17/32 - 9/8	1/4 - 9/32	4 13/16

ASME/ANSI B107.100

WRENCHES

Ratcheting Box



RTBM605

Set Contains:

RTBM605
RTBM505

T-Handle, mm

mm	12	A	B	C	D	12	12
8	RTBM8	17.5	71.4	307.2	9.5	•	
10	RTBM10	23.0	76.2	307.2	9.5	•	
12	RTBM12	29.4	86.5	308.8	12.7	•	
13	RTBM13	29.4	86.5	308.8	12.7	•	
14	RTBM14	29.4	86.5	308.8	12.7	•	
15	RTBM15	36.8	98.6	308.8	12.7		•
16	RTBM16	36.8	98.6	308.8	12.7		•
17	RTBM17	36.8	98.6	308.8	12.7		•
18	RTBM18	36.8	98.6	308.8	12.7		•
19	RTBM19	36.8	98.6	308.8	12.7		•

Sets include storage tray



RTB607

Set Contains:

RTB607

T-Handle, inches

in	12	A	B	C	D	12
1/4	RTB8	11/16	2 13/16	12 3/32	3/8	•
5/16	RTB10	11/16	2 13/16	12 3/32	3/8	•
11/32	RTB11	29/32	3	12 3/32	3/8	•
3/8	RTB12	29/32	3	12 3/32	3/8	•
7/16	RTB14	29/32	3	12 3/32	3/8	•
1/2	RTB16	1 5/32	3 13/32	12 5/32	1/2	•
9/16	RTB18	1 5/32	3 13/32	12 5/32	1/2	•

Set includes storage tray

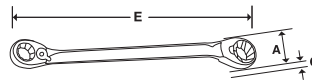


BXORM706

Standard Length, 25° Offset, mm (Blue-Point®)

mm	12	A	C	E	12
8 - 9	BXORM89	18.0 - 19.3	6.4 - 7.6	184.2	•
10 - 11	BXORM1011	21.8 - 22.1	8.1 - 8.6	203.2	•
12 - 13	BXORM1213	23.6 - 26.6	8.9 - 10.2	222.3	•
14 - 15	BXORM1415	27.2 - 28.7	10.2 - 10.9	241.3	•
16 - 17	BXORM1617	31.0 - 32.0	10.9 - 11.9	260.4	•
18 - 19	BXORM1819	34.5 - 36.8	12.2 - 13.2	279.4	•

Set includes storage tray



BXOR704

Standard Length, 25° Offset, inches (Blue-Point)

in	12	A	C	E	12
5/16 - 3/8	BXOR1012	23/32 - 7/8	1/4 - 5/16	7 1/2	•
7/16 - 1/2	BXOR1416	7/8 - 31/32	11/32 - 13/32	8 3/4	•
9/16 - 5/8	BXOR1820	1 1/16 - 7/32	13/32 - 7/16	9 3/4	•
11/16 - 3/4	BXOR2224	1 9/32 - 7/16	15/32 - 1/2	11	•

Set includes storage tray



RBM604C

Standard Length, 0° Offset, mm

mm	6	12	A	C	E	12
7 - 8	RBM78SC	RBM78C	15.1 - 17.1	9.5	114.3	
8 - 10		RBM810C	20.2 - 22.6	9.5	139.7	
9 - 10		RBM910C	20.2 - 22.6	9.5	139.7	
10 - 11	RBM1011SC	RBM1011C	25.8 - 29.4	12.7	174.6	•
10 - 12		RBM1012C	25.8 - 29.4	12.7	174.6	
12 - 13	RBM1213SC	RBM1213C	25.8 - 29.4	12.7	174.6	•
12 - 14		RBM1214C	25.8 - 29.4	12.7	174.6	
14 - 15		RBM1415C	32.9 - 36.5	12.7	206.4	•
16 - 18		RBM1618C	32.9 - 36.5	12.7	206.4	
17 - 19		RBM1719C	32.9 - 36.5	12.7	206.4	•

Set includes storage tray



RB604C

Standard Length, 0° Offset, inches

in	6	12	A	C	E	12
1/4 - 5/16	R810SC	R810C	19/32 - 43/64	3/8	4 1/2	
5/16 - 11/32		R1011C	5/8 - 3/4	11/32	5 3/8	
5/16 - 3/8		R1012C	51/64 - 57/64	3/8	5 1/2	
3/8 - 7/16	R1214SC	R1214C	51/64 - 57/64	3/8	5 1/2	•
1/2 - 9/16	R1618SC	R1618C	1 1/64 - 1 5/32	1/2	6 7/8	•
5/8 - 11/16		R2022C	1 19/64 - 1 7/16	1/2	8 1/8	•
5/8 - 3/4		R2024C	1 19/64 - 1 7/16	1/2	8 1/8	
3/4 - 13/16		R2426C	1 13/32 - 1 37/64	1/2	9 1/4	
3/4 - 7/8		R2428C	1 13/32 - 1 37/64	1/2	9 1/4	•
13/16 - 15/16		R2630C	1 13/32 - 1 37/64	1/2	9 1/4	
7/8 - 15/16		R2830C	1 29/32 - 2 17/64	9/16	15	
15/16 - 1		R3032C	1 29/32 - 2 17/64	9/16	15	
1 1/16 - 1 1/8		R3436A	2 - 2	9/16	12 3/4	
1 1/8 - 1 1/4	R3640SA		2 3/32 - 2 3/32	9/16	12 13/16	
1 3/16 - 1 1/4		R3840A	2 - 2	9/16	12 3/4	

Set includes storage tray



WARNING



- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES



Ratcheting Box



RBZM605

Set Contains: **RBZM605**

Latch-on®, 0° Offset, mm

- Latch-on head keeps wrench on fastener
- Ring prevents nut/fastener head from sliding through wrench

mm	12	A	C	E	12
7 - 8	RBZM78	15.1 - 17.1	9.5	114.3	•
9 - 10	RBZM910	20.4 - 22.6	9.5	140.3	•
11 - 12	RBZM1112	25.8 - 29.4	12.7	174.6	•
13 - 14	RBZM1314	25.8 - 29.4	12.7	174.6	•
15 - 17	RBZM1517	32.9 - 36.5	12.7	206.4	•
16 - 18	RBZM1618	32.9 - 36.5	12.7	206.4	•
19 - 21	RBZM1921	35.7 - 40.1	12.7	234.9	•

Set includes storage tray



RBZ605

Set Contains: **RBZ605**

Latch-on, 0° Offset, inches

- Latch-on head keeps wrench on fastener
- Ring prevents nut/fastener head from sliding through wrench

12	A	C	E	12	
1/4 - 5/16	RBZ810	19/32 - 11/16	3/8	4 1/2	•
3/8 - 7/16	RBZ1214	13/16 - 29/32	3/8	5 1/2	•
1/2 - 9/16	RBZ1618	1 1/32 - 1 5/32	1/2	6 7/8	•
5/8 - 11/16	RBZ2022	1 5/16 - 1 7/16	1/2	8 1/8	•
3/4 - 7/8	RBZ2428	1 13/32 - 1 19/32	1/2	9 1/4	•

Set includes storage tray



RBYAM605

Set Contains: **RBYAM605**

Standard Length, 25° Offset, mm

mm	12	A	C	E	12
7 - 8	RYAM78	15.5 - 16.3	9.5	105.2	•
9 - 10	RYAM910	19.8 - 22.6	9.5	134.5	•
11 - 12	RYAM1112	25.4 - 29	12.7	165.9	•
13 - 14	RYAM1314	25.4 - 29	12.7	165.9	•
15 - 17	RYAM1517	33 - 36.5	12.7	197.2	•
16 - 18	RYAM1618	33 - 36.5	12.7	197.2	•
19 - 21	RYAM1921	35.7 - 40.1	12.7	224.2	•

Set includes storage tray



RBYA605

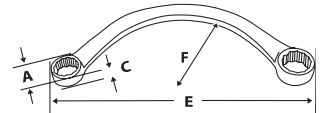
Set Contains: **RBYA605**

Standard Length, 25° Offset, inches

12	A	C	E	12	
1/4 - 5/16	RYA810	9/16 - 5/8	11/32	4 9/32	•
5/16 - 11/32	RYA1011	19/32 - 11/16	3/8	4 1/32	•
3/8 - 7/16	RYA1214	3/4 - 7/8	11/32	6 5/32	•
1/2 - 9/16	RYA1618	15/16 - 1	13/32	6 31/32	•
5/8 - 11/16	RYA2022	1 1/8 - 1 1/4	13/32	7 27/32	•
3/4 - 7/8	RYA2428	1 3/8 - 1 1/2	7/16	8 5/8	•

Set includes storage tray

Flank Drive® Specialty Box



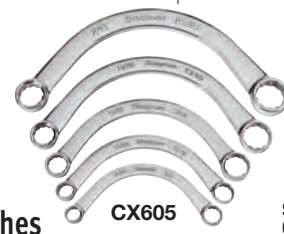
CXM605

Set Contains: **CXM605**

Half Moon, mm

mm	12	A	C	E	F	12
10 - 12	CXM1012	15 - 17	6 - 7	128	48	•
11 - 13	CXM1113	16 - 18	8 - 8	144	57	•
14 - 17	CXM1417	20 - 23	9 - 9	166	65	•
15 - 19	CXM1519	22 - 27	10 - 11	198	78	•
18 - 21	CXM1821	27 - 31	11 - 13	224	86	•

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CX605

Set Contains: **CX605**

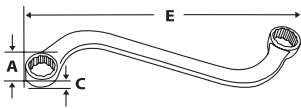
Half Moon, inches

12	A	C	E	F	12	
5/16 - 3/8	CX1012	15/32 - 9/16	3/16 - 5/16	4 5/8	2 1/16	•
7/16 - 1/2	CX1416	5/8 - 23/32	5/16 - 5/16	5	2 7/32	•
9/16 - 5/8	CX1820	13/16 - 7/8	11/32 - 3/8	6 1/2	2 9/16	•
5/8 - 3/4	CX2024	7/8 - 1 7/32	13/32 - 7/16	7 3/4	3 1/16	•
11/16 - 13/16	CX2226	31/32 - 1 9/32	13/32 - 15/32	8 1/2	3 1/2	•
7/8 - 15/16	CX2830	1 1/4 - 1 11/32	9/16 - 9/16	10	4 1/16	•

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WRENCHES

Flank Drive® Specialty Box



SBXM605

Set Contains:

SBXM605

"S" Shaped, mm

mm	12	A	C	E	12
10 - 12	SBXM1012	14 - 18	6 - 8	140	•
11 - 13	SBXM1113	16 - 19	7 - 8	155	•
14 - 15	SBXM1415	21 - 22	9 - 9	190	•
16 - 18	SBXM1618	24 - 27	10 - 11	173	•
17 - 19	SBXM1719	25 - 28	10 - 12	240	•

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Set includes storage tray



SBX605

Set Contains:

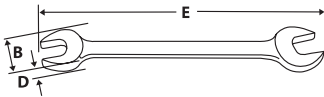
SBX605

"S" Shaped, inches

12	12	A	C	E	12
5/16 - 3/8	SBX1012	15/32 - 9/16	9/16 - 7/32	3 3/4	•
7/16 - 1/2	SBX1416	21/32 - 3/4	9/32 - 5/16	5 5/16	•
9/16 - 5/8	SBX1820	27/32 - 15/16	11/32 - 13/32	6 7/8	•
11/16 - 3/4	SBX2224	1 1/32 - 1 1/8	13/32 - 15/32	8 7/16	•
13/16 - 7/8	SBX2628	1 7/32 - 1 5/16	17/32 - 9/16	10	•

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Set includes storage tray



LTAM811

Set Contains:

LTAM811

Low Torque Slimline, 15° Offset, mm

mm	Stock No.	B	D	E	
6 - 7	LTAM67	13 - 15	3	165	•
8 - 10	LTAM810	17 - 21	3	165	•
10 - 11	LTAM1011	21 - 23	3	165	•
12 - 14	LTAM1214	25 - 29	4	241	•
13 - 15	LTAM1315	27 - 31	4	241	•
16 - 18	LTAM1618	33 - 37	4	241	•
17 - 19	LTAM1719	35 - 39	4	241	•
19 - 22	LTAM1922	39 - 45	4	241	•
21 - 24	LTAM2124	43 - 49	4	241	•
27 - 30	LTAM2730	55 - 61	6	311	•
32 - 36	LTAM3236	65 - 73	6	311	•

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LTA805K

Low Torque Slimline, 15° Offset, inches

12	Stock No.	B	D	E		
3/8 - 7/16	LTA1214	25/32 - 29/32	3/32	9 1/2	•	
7/16 - 1/2	LTA1416	29/32 - 1 1/32	5/32	9 1/2	•	•
1/2 - 9/16	LTA1618	1 1/32 - 1 5/32	5/32	9 1/2	•	•
5/8 - 11/16	LTA2022	1 9/32 - 1 13/32	5/32	9 1/2	•	•
3/4 - 13/16	LTA2426	1 17/32 - 1 11/16	5/32	9 1/2	•	•
3/4 - 7/8	LTA2428	1 17/32 - 1 25/32	5/32	9 1/2	•	•
15/16 - 1	LTA3032	1 29/32 - 2 1/32	5/32	9 1/2	•	•
1 1/16 - 1 1/8	LTA3436	2 5/32 - 2 9/32	1/4	12 1/4	•	•
1 1/4 - 1 5/16	LTA4042	2 17/32 - 2 21/32	1/4	12 1/4	•	•
1 3/8 - 1 7/16	LTA4446	2 25/32 - 2 29/32	1/4	12 1/4	•	•
1 1/2 - 1 5/8	LTA4852	3 1/16 - 3 9/32	9/32	14 1/4	•	•
1 11/16 - 1 7/8	LTA5460	3 13/32 - 3 17/32	9/32	14 1/4	•	•
	Kit Bag					C0507

ASME B107.100



WARNING



- Use only moderate force on slimline wrench
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Open End



VOM1415B

Standard, mm

mm	Stock No.	B	D	E
6 - 7	VOM67B	13 - 15	4 - 4	97
7 - 8	VOM78B	15 - 17	4 - 4	106
8 - 10	VOM810B	17 - 21	4 - 5	121
10 - 11	VOM1011B	21 - 23	5 - 6	136
11 - 13	VOM1113B	23 - 27	6 - 6	151
12 - 13	VOM1213B	25 - 27	6 - 6	157
12 - 14	VOM1214B	25 - 29	6 - 7	162
14 - 15	VOM1415B	29 - 31	7 - 7	178
16 - 18	VOM1618B	33 - 37	7 - 8	205
17 - 19	VOM1719B	35 - 38	8 - 9	216
19 - 22	VOM1922B	39 - 46	9 - 10	245
21 - 24	VOM2124B	43 - 49	9 - 10	267
22 - 24	VOM2224B	46 - 49	10 - 10	273
27 - 30	VOM2730B	55 - 61	11 - 12	338
30 - 32	VOM3032B	61 - 65	12 - 12	368

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DSM810K

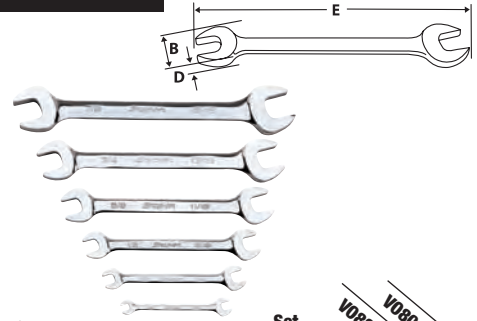
Ignition, 15/60° Offset, mm

Set Contains:

DSM810K

A	B	Stock No.	C	D	E
3.2	5.5	DSM3.25.5	8 - 11	3	74
5.5	3.2	DSM5.53.2	11 - 8	3	83
4	5	DSM45	9 - 11	3	77
5	4	DSM54	11 - 9	3	81
6	7	DSM67	12 - 14	3	85
7	6	DSM76	14 - 12	3	89
8	9	DSM89	15 - 17	3	93
9	8	DSM98	17 - 15	3	97
10	11	DSM1011	20 - 22	4	101
11	10	DSM1110	22 - 20	4	105
		Kit Bag			C1003A

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V0806B

Set Contains:

V0820K

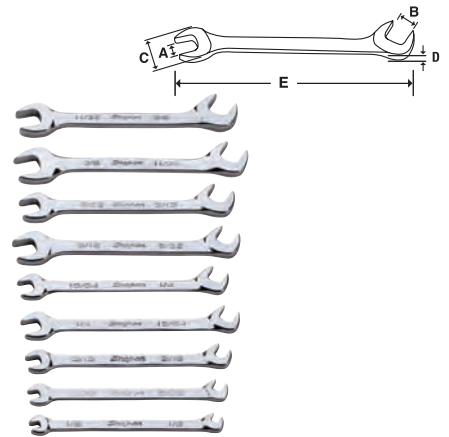
V0806B*

Standard, inches

in	Stock No.	B	D	E
1/4 - 5/16	V0810B	17/32 - 21/32	5/32 - 5/32	4 1/16
5/16 - 3/8	V01012B	21/32 - 25/32	5/32 - 3/16	4 21/32
3/8 - 7/16	V01214B	25/32 - 29/32	3/16 - 7/32	5 5/16
7/16 - 1/2	V01416B	29/32 - 1 1/16	7/32 - 1/4	5 15/16
1/2 - 9/16	V01618B	1 1/16 - 1 5/32	1/4 - 9/32	6 19/32
9/16 - 5/8	V01820B	1 5/32 - 1 5/16	9/32 - 9/32	7 9/32
5/8 - 11/16	V02022B	1 5/16 - 1 13/32	9/32 - 5/16	7 15/16
5/8 - 3/4	V02024B	1 5/16 - 1 9/16	9/32 - 11/32	8 9/32
11/16 - 3/4	V02224B	1 13/32 - 1 9/16	5/16 - 11/32	8 5/8
3/4 - 13/16	V02426B	1 9/16 - 1 21/32	11/32 - 3/8	9 11/32
3/4 - 7/8	V02428B	1 9/16 - 1 13/16	11/32 - 3/8	9 21/32
13/16 - 7/8	V02628B	1 21/32 - 1 13/16	3/8 - 3/8	10 1/32
7/8 - 15/16	V02830B	1 13/16 - 1 29/32	3/8 - 13/32	10 3/4
15/16 - 1	V03032B	1 29/32 - 2 1/32	13/32 - 13/32	11 15/32
1 - 1 1/16	V03234B	2 1/32 - 2 5/32	13/32 - 7/16	12 7/32
1 1/16 - 1 1/4	V03440B	2 5/32 - 2 17/32	7/16 - 1/2	12 15/16
1 1/8 - 1 3/16	V03638B	2 5/16 - 2 13/32	7/16 - 15/32	13 23/32
1 1/4 - 1 5/16	V04042B	2 17/32 - 2 21/32	1/2 - 1/2	15 1/4
1 3/8 - 1 7/16	V04446B	2 13/16 - 2 29/32	17/32 - 17/32	16 7/8
1 1/2 - 1 5/8	V04852B	3 1/16 - 3 9/16	9/16 - 19/32	18 29/32
	Kit Bag			C200

ASME/ANSI B107.100

*Set includes storage tray



DS809K

Ignition, 15/60° Offsets, inches

Set Contains:

DS809K

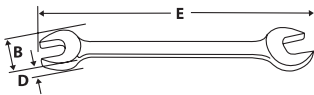
DS806AK

A	B	Stock No.	C	D	E
1/8	1/8	DS88A	5/16 - 5/16	1/8	2 29/32
5/32	5/32	DS1010A	3/8 - 3/8	1/8	2 7/8
3/16	3/16	DS1212A	13/32 - 13/32	1/8	3 1/8
15/64	1/4	DS1516A	15/32 - 1/2	1/8	3 1/4
1/4	15/64	DS1615A	1/2 - 15/32	1/8	3 13/32
9/32	5/16	DS1820A	9/16 - 19/32	1/8	3 1/2
5/16	9/32	DS2018A	19/32 - 9/16	1/8	3 21/32
11/32	3/8	DS2224A	21/32 - 23/32	5/32	3 3/4
3/8	11/32	DS2422A	23/32 - 21/32	5/32	3 3/4
		Kit Bag			C0900A C0605

ASME/ANSI B107.100

WRENCHES

Open End



- Angle head wrenches offset at 30° and 60° angles to the handle
- Both ends are same size to permit use of one wrench in four positions



VSM807B



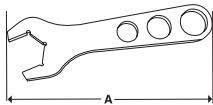
VS807B

Four-Way Angle Head, mm

mm	Stock No.	B	D	E	Set Contains:	
					VSM814	VSM807B*
10	VSM5210B	20	6	127	•	•
11	VSM5211B	22	6	137	•	•
12	VSM5212B	24	6	145	•	•
13	VSM5213B	26	6	154	•	•
14	VSM5214B	28	6	164	•	•
15	VSM5215B	30	7	173	•	•
16	VSM5216B	31	7	181	•	•
17	VSM5217B	34	7	191	•	•
18	VSM5218B	36	7	200	•	•
19	VSM5219B	37	7	210	•	•
21	VSM5221B	41	8	228	•	•
22	VSM5222B	44	8	239	•	•
24	VSM5224B	47	8	254	•	•
27	VSM5227B	53	9	283	•	•

ASME® B107.100

*Set includes storage tray



Aluminum (for AN Fittings)

- Securely tighten expensive AN fittings to reduce risk of damage in aircraft, marine and industrial applications as well as race and show cars
- Machined from aluminum billet to exacting tolerances
- Made from quality heat treated hardened aluminum
- Corner reliefs on open end wrenches prevent rounding the corners of the fitting
- Handle length designed to apply appropriate torque without overtightening
- Open end wrenches are color coded and stamped for quick size identification



ANWR708

Set Contains:
ANWR708

#	Stock No.	Color	A inches (mm)	
No. 3	ANWR3	Silver	4 (101.6)	•
No. 4	ANWR4	Black	4 3/4 (120.7)	•
No. 6	ANWR6	Light Blue	5 3/4 (146.1)	•
No. 8	ANWR8	Pink	5 3/4 (146.1)	•
No. 10	ANWR10	Gold	7 1/8 (181.0)	•
No. 12	ANWR12	Red	7 1/2 (190.5)	•
No. 16	ANWR16	Brass	8 3/4 (222.3)	•
No. 20	ANWR20	Dark Blue	9 1/4 (237.0)	•

Set includes heavy gauge vinyl pouch



WARNING



- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4



GVS24B

Four-Way Angle Head, inches

Stock No.	Industrial Stock No.	B	D	E	Set Contains:		
					VSB28A	VSB14A	VS807B*
1/4	VS8B	17/32	3/16	3 11/16	•	•	•
5/16	VS10B	21/32	3/16	4 1/4	•	•	•
11/32	VS11B	23/32	7/32	4 17/32	•	•	•
3/8	VS12B	25/32	7/32	4 27/32	•	•	•
7/16	VS14B	7/8	7/32	5 13/32	•	•	•
1/2	VS16B	GVS16B	1	5 31/32	•	•	•
9/16	VS18B	GVS18B	1 1/8	6 9/16	•	•	•
5/8	VS20B	GVS20B	1 1/4	7 1/8	•	•	•
11/16	VS22B	GVS22B	1 3/8	7 11/16	•	•	•
3/4	VS24B	GVS24B	1 15/32	8 9/32	•	•	•
13/16	VS26B	GVS26B	1 19/32	9 1/16	•	•	•
7/8	VS28B	GVS28B	1 23/32	9 13/32	•	•	•
15/16	VS30B	GVS30B	1 27/32	10	•	•	•
1	VS32B	GVS32B	1 31/32	10 9/16	•	•	•
1 1/16	VS34B		2 3/32	11 1/8	•	•	•
1 1/8	VS36B		2 3/16	11 23/32	•	•	•
1 3/16	VS38B		2 11/32	12 9/32	•	•	•
1 1/4	VS40B	GVS40B	2 7/16	12 7/8	•	•	•
1 5/16	VS42B		2 9/16	13 7/16	•	•	•
1 3/8	VS44B		2 11/16	14	•	•	•
1 7/16	VS46B		2 27/32	14 19/32	•	•	•
1 1/2	VS48B		2 15/16	15 5/32	•	•	•
1 5/8	VS52B		3 7/32	16 5/16	•	•	•
1 11/16	VS54B		3 11/32	16 7/8	•	•	•
1 3/4	VS56B		3 15/32	17 7/16	•	•	•
1 13/16	VS58B		3 19/32	18	•	•	•
1 7/8	VS60B		3 23/32	18 19/32	•	•	•
2	VS64B		3 31/32	19 3/4	•	•	•

ASME B107.100

*Set includes storage tray

Open End Wrenches (Blue-Point®)



BDOEM1415

Open End, mm

mm	Stock No.	Length, mm
10-11	BDOEM1011	145
12-13	BDOEM1213	165
14-15	BDOEM1415	185
16-17	BDOEM1617	185
18-19	BDOEM1819	227



BDOE1820

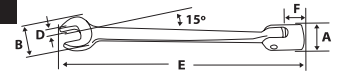
Open End, inches

Stock No.	Length, inches
BDOE1012	5 5/16
BDOE1416	6 1/2
BDOE1820	7 9/32
BDOE2224	8 15/16

ASME/ANSI® B107.100

WRENCHES

Flank Drive® Flex Head



FHOM606B



FHO607B

Flex-Combination, mm

Set Contains:

FHOM606B

mm	12	A	B	D	E	F	12
8	FHOM8B	12	17	5	146	6	
9	FHOM9B	13	18	5	156	6	
10	FHOM10B	14	20	5	166	6	•
11	FHOM11B	16	23	6	181	7	
12	FHOM12B	17	30	6	198	9	•
13	FHOM13B	19	27	7	205	9	•
14	FHOM14B	20	30	7	213	9	•
15	FHOM15B	21	31	7	224	10	•
16	FHOM16B	23	33	7	229	10	
17	FHOM17B	24	37	8	246	10	•
18	FHOM18B	24	38	8	254	11	
19	FHOM19B	26	40	8	261	12	

ASME® B107.100

Set includes storage tray

Flex-Combination, inches

Set Contains:

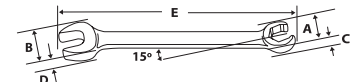
FHO607B

11	12	A	B	D	E	F	12
1/4	FH08B	3/8	17/32	1/8	4 15/16	7/32	
5/16	FH010B	15/32	21/32	3/16	5 31/32	1/4	
3/8	FH012B	9/16	17/32	7/32	6 1/2	1/4	•
7/16	FH014B	5/8	29/32	7/32	7 1/8	9/32	•
1/2	FH016B	23/32	1 1/16	1/4	7 13/16	11/32	•
9/16	FH018B	25/32	1 3/16	9/32	8 3/8	11/32	•
5/8	FH020B	29/32	1 5/16	9/32	9	3/8	•
11/16	FH022B	1	1 7/16	9/32	9 11/16	13/32	•
3/4	FH024B	1 1/32	1 1/2	5/16	10 1/4	15/32	•
13/16	FH026B	1 1/32	1 23/32	5/16	10 5/16	1/2	
7/8	FH028B	1 3/16	1 27/32	5/16	10 15/32	9/16	

ASME B107.100

Set includes storage tray

Flank Drive Flare Nut



RXSM605B



RXS605B

Open End and Flare Nut, mm

Set Contains:

RXSM605B

mm	6	A	B	C	D	E	6
8	RXSM8B	17	17	7	7	135	
9	RXSM9B	18	19	7	7	144	
10	RXSM10B	20	21	8	8	152	•
11	RXSM11B	21	23	9	9	162	•
12	RXSM12B	22	25	9	9	169	•
13	RXSM13B	24	27	9	9	178	•
14	RXSM14B	25	29	10	10	186	•
15	RXSM15B	26	31	10	10	194	
16	RXSM16B	27	33	11	11	202	
17	RXSM17B	29	35	11	11	211	
18	RXSM18B	30	37	12	12	219	
19	RXSM19B	32	39	12	12	228	
20	RXSM20B	33	41	14	14	235	

ASME B107.100

Set includes storage tray

Open End and Flare Nut, inches

Set Contains:

RXS605B

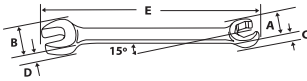
11	6	A	B	C	D	E	6
3/8	RXS12B	3/4	25/32	5/16	5/16	5 27/32	•
7/16	RXS14B	27/32	29/32	11/32	11/32	6 3/8	•
1/2	RXS16B	29/32	1 1/16	3/8	3/8	6 7/8	•
9/16	RXS18B	1	1 5/32	13/32	13/32	7 13/32	•
5/8	RXS20B	1 3/32	1 5/16	7/16	7/16	7 15/16	•

ASME B107.100

Set includes storage tray

WRENCHES

Flank Drive® Flare Nut



RXFMS606B

Double End, mm

Set Contains: **RXFMS606B**

mm	6	A-B	C-D	E	6
9 - 11	RXFMS911B	18 - 21	7 - 8	145	•
10 - 12	RXFMS1012B	20 - 22	8 - 9	153	•
13 - 14	RXFMS1314B	24 - 25	9 - 10	173	•
15 - 17	RXFMS1517B	26 - 29	10 - 11	193	•
16 - 18	RXFMS1618B	28 - 30	11 - 12	200	•
19 - 21	RXFMS1921B	32 - 34	12 - 13	223	•

ANSI® B107.100

Set includes storage tray



RXFS605B

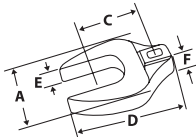
Double End, inches

Set Contains: **RXFS605B**

11	6	A-B	C-D	E	6
1/4 - 5/16	RXFS810B	19/32 - 21/32	1/4 - 9/32	4 27/32	•
3/8 - 7/16	RXFS1214B	3/4 - 27/32	5/16 - 11/32	5 13/16	•
1/2 - 9/16	RXFS1618B	29/32 - 1	3/8 - 13/32	6 13/16	•
5/8 - 11/16	RXFS2022B	1 3/32 - 1 5/32	7/16 - 15/32	7 3/4	•
3/4 - 13/16	RXFS2426B	1 1/4 - 1 5/16	1/2 - 17/32	8 25/32	•
3/4 - 7/8	RXFS2428B	1 1/4 - 1 27/64	1/2 - 5/8	9 1/2	
3/4 - 1	RXFS2432B	1 1/4 - 1 9/16	1/2 - 5/8	9 1/2	
7/8 - 1 1/8	RXFS2836B	1 13/32 - 1 3/4	9/16 - 11/16	10 1/2	

ASME® B107.100

Set includes storage tray



1/4" Drive Crowfoot Wrenches



107TMCOM

Open End, chrome mm

Set Contains: **107TMCOM**

mm	Stock No.	A	C	E	F	D	
7	TMCOM7	13.5	13.2	6.6	6.6	24.4	•
8	TMCOM8	16.8	14.1	6.6	6.6	25.9	•
10	TMCOM10	19.8	14.6	6.6	6.6	27.5	•
11	TMCOM11	22.4	16.0	7.9	7.9	29.4	•
12	TMCOM12	24.4	16.5	7.9	7.9	30.6	•
13	TMCOM13	26.4	16.6	7.9	7.9	31.2	•
14	TMCOM14	29.0	17.7	7.9	7.9	32.9	•

ASME B107.21

Set includes storage tray



106TMCO

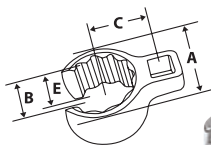
Open End, chrome inches

Set Contains: **106TMCO**

11	Stock No.	A	C	E	F	D	
1/4	TMC08	17/32	17/32	1/4	1/4	31/32	•
5/16	TMC010	21/32	9/16	1/4	1/4	1 1/32	•
3/8	TMC012	25/32	19/32	1/4	1/4	1 3/32	•
7/16	TMC014	7/8	5/8	5/16	5/16	1 5/32	•
1/2	TMC016	1 1/32	21/32	5/16	5/16	1 1/4	•
9/16	TMC018	1 1/8	11/16	5/16	5/16	1 9/32	•

ASME B107.21

Set includes storage tray



TMRX12

Flank Drive Flare Nut-Shallow, inches, 12 Point

11	12	A	B	C	E	Maximum Recommended Working Torque, in lb
1/4	TMRX8	13/32	1/8	31/32	1/4	75
5/16	TMRX10	1/2	3/16	31/32	1/4	75
3/8	TMRX12	19/32	1/4	31/32	1/4	75

ASME B107.21



AN85088B

Flank Drive Flare Nut-Deep, inches, 12 Point

11	12	A	C	E	Maximum Recommended Working Torque, in lb
3/8	AN85086B	9/32	1/2	1/2	75
7/16	AN85087B	11/32	9/16	9/16	200
1/2	AN85088B	13/32	19/32	9/16	200
9/16	AN85089B	15/32	5/8	9/16	200

ASME B107.21



WARNING



- Use only moderate force on crowfoot and flare nut wrenches
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WRENCHES

3/8" Drive Crowfoot Wrenches



210FRHMA

Flank Drive® Flare Nut, chrome mm, 6 Point

mm	6	A	B	C	D	E	Maximum Recommended Working Torque, in lb	6
9	FRHM9	22.4	6.7	14.2	33.3	9.7	150	
10	FRHM10	22.9	7.4	14.2	35.3	9.7	200	•
11	FRHM11	22.9	8.3	14.2	35.3	9.7	200	•
12	FRHM12	25.4	9.0	14.2	36.6	9.7	250	•
13	FRHM13	25.4	9.4	14.2	36.6	9.7	250	•
14	FRHM14	28.4	10.5	18.8	40.9	11.2	375	•
15	FRHM15	28.4	11.2	18.8	40.9	11.2	375	•
16	FRHM16	28.4	11.7	18.8	40.9	11.2	375	•
17	FRHM17	33.3	12.6	20.6	44.7	12.7	525	•
18	FRHM18	33.3	13.6	20.6	44.7	12.7	525	•
19	FRHM19	33.3	14.7	20.6	44.7	12.7	525	•
20	FRHM20	41.1	15.2	22.1	50.3	14.2	600	•
21	FRHM21	41.1	16.3	22.1	50.3	14.2	650	•
22	FRHM22	41.1	17.0	22.1	50.3	14.2	650	•

ASME® B107.21

Set includes storage tray



205ANM

Flank Drive Flare Nut-Deep, chrome mm, 12 Point

mm	12	A	B	C	E	12
12	ANM12	18.9	8.3	16.3	15.0	•
13	ANM13	21.2	9.7	17.7	15.0	•
14	ANM14	21.2	10.5	17.7	15.0	•
17	ANM17	26.6	13.0	19.7	19.1	•
19	ANM19	29.0	14.6	20.9	19.8	•

Set includes storage tray



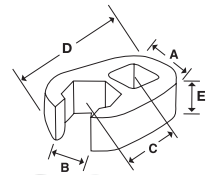
210FCOMA

Open End, chrome mm

mm	Stock No.	A	C	E	F	D	Maximum Recommended Working Torque, in lb	216FCOM	210FCOMA*
9	FCOM9A	22.4	18.8	5.3	13.2	33.3	75	•	
10	FCOM10A	22.4	17.6	5.3	13.2	33.0	75	•	•
11	FCOM11A	22.4	16.6	5.3	13.2	32.3	75	•	•
12	FCOM12A	26.2	21.0	5.3	13.2	37.3	105	•	•
13	FCOM13A	26.2	19.8	5.3	13.2	36.8	105	•	•
14	FCOM14A	26.2	18.6	5.3	13.2	36.1	105	•	•
15	FCOM15A	31.8	22.7	5.3	13.2	40.9	125	•	•
16	FCOM16A	31.8	21.7	5.3	13.2	40.4	125	•	•
17	FCOM17A	31.8	20.5	5.3	13.2	39.9	125	•	•
18	FCOM18A	38.4	27.2	6.4	13.2	48.5	170	•	•
19	FCOM19A	38.4	26.2	6.4	13.2	48.0	170	•	•
20	FCOM20A	38.4	25.0	6.4	13.2	48.0	170	•	•
21	FCOM21A	43.7	27.4	7.1	15.0	48.8	250	•	•
22	FCOM22A	43.7	26.4	7.1	15.0	50.0	250	•	•
23	FCOM23A	50.5	30.1	8.9	16.8	54.4	390	•	•
24	FCOM24A	50.5	28.8	8.9	16.8	53.8	400	•	•

ASME B107.21

*Set includes storage tray



207SFRH

Flank Drive Flare Nut, chrome inches, 6 Point

Inches	6	A	B	C	D	E	Maximum Recommended Working Torque, in lb	6
3/8	FRH120S	13/32	1/4	9/16	1 11/32	3/8	150	•
7/16	FRH140S	29/32	5/16	9/16	1 13/32	3/8	200	•
1/2	FRH160S	1	11/32	9/16	1 7/16	3/8	250	•
9/16	FRH180S	1 1/8	3/8	3/4	1 5/8	7/16	300	•
5/8	FRH200S	1 1/8	7/16	3/4	1 5/8	7/16	375	•
11/16	FRH220S	1 5/16	1/2	13/16	1 25/32	1/2	450	•
3/4	FRH240S	1 5/16	9/16	13/16	1 25/32	1/2	525	•
13/16	FRH260S	1 5/8	5/8	7/8	1 31/32	9/16	600	•
7/8	FRH280S	1 5/8	23/32	7/8	1 31/32	9/16	675	•
15/16	FRH300S	1 7/8	11/16	15/16	2 3/16	5/8	750	•
1	FRH320S	1 7/8	3/4	15/16	2 3/16	5/8	825	•

ASME B107.21

Set includes storage tray

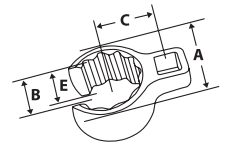


208AN

Flank Drive Flare Nut-Deep, chrome inches, 12 Point

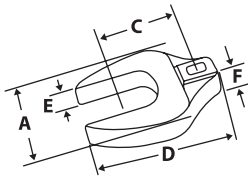
Inches	12	A	B	C	E	Maximum Recommended Working Torque, in lb	12
5/8	AN850810B	15/16	1/2	23/32	23/32	250	•
11/16	AN850811B	1 1/32	17/32	25/32	23/32	310	•
3/4	AN850812B	1 1/8	9/16	13/16	3/4	450	•
13/16	AN850813B	1 7/32	5/8	7/8	3/4	450	•
7/8	AN850814B	1 5/16	25/32	15/16	25/32	625	•
15/16	AN850815B	1 3/8	3/4	31/32	25/32	625	•
1	AN850816B	1 7/16	3/4	1	13/16	625	•
1 1/16	AN850817B	1 17/32	25/32	1 1/32	13/16	625	•

ASME/ANSI® B107.21



WRENCHES

3/8" Drive Crowfoot Wrenches



Open End, inches

	Stock No.	Industrial Stock No.	A	C	E	F	D	Maximum Recommended Working Torque, in lb	Set Contains:				
									242FC	226FC	214FC	211GFCO	211FC0A
3/8	FC012A	GFC012A	7/8	23/32	7/32	33/64	1 19/64	75				•	•
7/16	FC014A	GFC014A	7/8	41/64	7/32	33/64	1 17/64	75	•	•	•	•	•
1/2	FC016A	GFC016A	1 1/32	51/64	7/32	33/64	1 29/64	105	•	•	•	•	•
9/16	FC018A	GFC018A	1 1/4	59/64	7/32	33/64	1 5/8	105	•	•	•	•	•
5/8	FC020A	GFC020A	1 1/4	55/64	7/32	33/64	1 19/32	125	•	•	•	•	•
11/16	FC022A	GFC022A	1 9/16	1 3/32	7/32	33/64	1 59/64	150	•	•	•	•	•
3/4	FC024A	GFC024A	1 9/16	1 1/32	7/32	33/64	1 57/64	190	•	•	•	•	•
13/16	FC026A	GFC026A	1 23/32	1 3/32	9/32	19/32	2	245	•	•	•	•	•
7/8	FC028A	GFC028A	1 23/32	1 1/32	9/32	19/32	1 31/32	300	•	•	•	•	•
15/16	FC030A	GFC030A	2	1 5/32	11/32	21/32	2 1/8	360	•	•	•	•	•
1	FC032A	GFC032A	2	1 5/64	11/32	21/32	2 3/32	420	•	•	•	•	•
1 1/16	FC34B		1 23/32	1 3/64	3/8	39/64	1 15/32	465	•	•	•		
1 1/8	FC36A		1 29/32	1 5/32	3/8	39/64	2 1/16	510	•	•	•		
1 3/16	FC38A		1 29/32	1 13/64	3/8	39/64	2 1/16	510	•	•	•		
1 1/4	FC40A		2 5/32	1 15/64	3/8	41/64	2 7/32	555	•	•	•		
1 5/16	FC42A		2 5/32	1 17/64	3/8	41/64	2 7/32	600	•	•			
1 3/8	FC44A		2 3/8	1 19/64	3/8	41/64	2 3/8	680	•	•			
1 7/16	FC46A		2 3/8	1 11/32	3/8	41/64	2 3/8	760	•	•			
1 1/2	FC48A		2 17/32	1 3/8	3/8	41/64	2 1/2	795	•	•			
1 9/16	FC50A		2 17/32	1 13/32	3/8	41/64	2 1/2	795	•	•			
1 5/8	FC52A		2 21/32	1 29/64	3/8	41/64	2 19/32	820	•	•			
1 11/16	FC54A		2 21/32	1 31/64	3/8	41/64	2 19/32	860	•	•			
1 3/4	FC56A		2 7/8	1 33/64	3/8	41/64	2 3/4	910	•	•			
1 13/16	FC58A		2 7/8	1 35/64	3/8	41/64	2 3/4	960	•	•			
1 7/8	FC60A		3 5/32	1 19/32	3/8	41/64	2 55/64	1040	•	•			
1 15/16	FC62A		3 5/32	1 5/8	3/8	41/64	2 55/64	1040	•	•			
2	FC64A		3 13/32	1 23/32	1/2	45/64	3 1/8	1115	•	•			
2 1/16	FC66A		3 13/32	1 3/4	1/2	45/64	3 1/8	1190	•				
2 1/8	FC68A		3 19/32	1 25/32	1/2	45/64	3 1/4	1190	•				
2 3/16	FC70A		3 19/32	1 53/64	1/2	45/64	3 1/4	1275	•				
2 1/4	FC72A		3 27/32	1 15/16	1/2	45/64	3 1/2	1370	•				
2 5/16	FC74A		3 27/32	1 15/16	1/2	45/64	3 1/2	1370	•				
2 3/8	FC76A		4 3/32	2 1/16	1/2	45/64	3 3/4	1450	•				
2 7/16	FC78A		4 3/32	2 1/8	1/2	45/64	3 3/4	1555	•				
2 1/2	FC80A		4 9/32	2 11/64	1/2	45/64	3 57/64	1555	•				
2 9/16	FC82A		4 9/32	2 11/64	1/2	45/64	3 57/64	1660	•				
2 5/8	FC84A		4 17/32	2 21/64	1/2	45/64	4 1/8	1760	•				
2 11/16	FC86A		4 17/32	2 3/8	1/2	45/64	4 1/8	1760	•				
2 3/4	FC88A		4 23/32	2 7/16	1/2	45/64	4 19/64	1900	•				
2 13/16	FC90A		4 23/32	2 17/32	1/2	45/64	4 19/64	2075	•				
2 7/8	FC92A		5 3/32	2 41/64	1/2	45/64	4 43/64	2075	•				
2 15/16	FC94A		5 3/32	2 43/64	1/2	45/64	4 5/8	2200	•				
3	FC96A		5 3/32	2 23/32	1/2	45/64	4 5/8	2200	•				

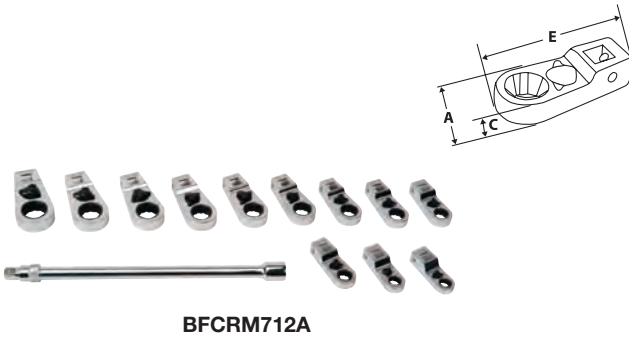
ASME®/ANSI® B107.100



- Use only moderate force on crowfoot and flarenut wrenches
- Read safety precautions on pages W1 to W4

WRENCHES

3/8" - 1/2" Drive Crowfoot Wrenches



BFCRM712A

3/8" Ratcheting, mm (Blue-Point®)

Set Contains: BFCRM712A

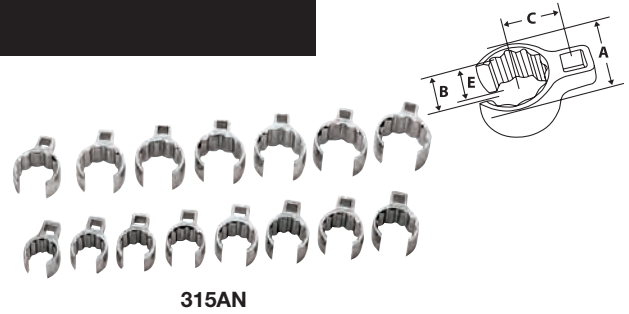
mm		A	C	E	
8	BFCRM8A	17.8	6.5	49.3	•
9	BFCRM9A	19.5	7.4	50.8	•
10	BFCRM10A	21.5	8.0	53.8	•
11	BFCRM11A	22.0	8.5	53.8	•
12	BFCRM12A	23.5	9.0	57.2	•
13	BFCRM13A	25.0	10.0	57.2	•
14	BFCRM14A	27.0	10.0	60.3	•
15	BFCRM15A	28.5	11.0	63.5	•
16	BFCRM16A	30.5	11.0	66.7	•
17	BFCRM17A	34.5	12.0	68.3	•
18	BFCRM18A	36.5	12.0	71.4	•
19	BFCRM19A	36.5	12.9	73.0	•

*Set includes FXLBP10 -10" locking extension

Set includes storage tray



BFCR708A



315AN

1/2" Flank Drive® Flare Nut-Deep, inches, 12 Point

Set Contains: 315AN

12	12	A	B	C	E	Maximum Recommended Working Torque, in lb	12
1 1/8	AN850818B	1 5/8	27/32	1 5/32	7/8	825	•
1 3/16	AN850819B	1 11/16	29/32	1 3/16	7/8	825	•
1 1/4	AN850820B	1 25/32	15/16	1 7/32	7/8	825	•
1 5/16	AN850821B	1 27/32	31/32	1 1/4	7/8	900	•
1 3/8	AN850822B	1 15/16	1 1/16	1 5/16	15/16	900	•
1 7/16	AN850823B	2	1 1/16	1 11/32	15/16	900	•
1 1/2	AN850824B	2 3/32	1 1/8	1 3/8	15/16	900	•
1 9/16	AN850825B	2 5/32	1 5/32	1 13/32	15/16	900	•
1 5/8	AN850826B	2 7/32	1 7/32	1 7/16	15/16	1,100	•
1 11/16	AN850827B	2 5/16	1 5/16	1 1/2	1 1/32	1,100	•
1 3/4	AN850828B	2 3/8	1 5/16	1 9/16	1 1/32	1,150	•
1 13/16	AN850829B	2 15/32	1 11/32	1 19/32	1 1/32	1,200	•
1 7/8	AN850830B	2 9/16	1 3/8	1 21/32	1 1/16	1,200	•
1 15/16	AN850831B	2 5/8	1 7/16	1 11/16	1 1/16	1,200	•
2	AN850832B	2 23/32	1 9/16	1 23/32	1 1/16	1,400	•
2 1/8	AN850834B	2 7/8	1 9/16	1 13/16	1 1/8	1,450	•
2 3/16	AN850835B	2 15/16	1 21/32	1 27/32	1 1/8	1,500	•
2 1/4	AN850836B	3 1/32	1 11/16	1 7/8	1 1/8	1,500	•
2 3/8	AN850838B	3 3/16	1 13/16	1 31/32	1 3/16	1,600	•
2 7/16	AN850839B	3 1/4	1 13/16	2	1 3/16	1,650	•
2 9/16	AN850841B	3 7/16	1 29/32	2 3/32	1 9/32	1,750	•
2 5/8	AN850842B	3 1/2	2 1/16	2 1/8	1 9/32	1,800	•
2 11/16	AN850843B	3 19/32	2 1/16	2 5/32	1 9/32	1,800	•
2 3/4	AN850844B	3 21/32	2 1/16	2 7/32	1 9/32	1,850	•
3 1/8	AN850850B	4 1/8	2 5/16	2 7/16	1 5/16	2,000	•

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3/8" Ratcheting, inches (Blue-Point)

Set Contains: BFCR708A

12		A	C	E	
5/16	BFCR10A	11/16	1/4	2	•
3/8	BFCR12A	27/32	5/16	2 1/8	•
7/16	BFCR14A	7/8	11/32	2 1/8	•
1/2	BFCR16A	31/32	13/32	2 1/4	•
9/16	BFCR18A	1 1/16	13/32	2 3/8	•
5/8	BFCR20A	1 3/16	7/16	2 5/8	•
11/16	BFCR22A	1 1/4	15/32	2 5/8	•
3/4	BFCR24A	1 7/16	1/2	2 7/8	•

*Set includes FXLBP10 -10" locking extension

Set includes storage tray



A277



ADCF8

Crowfoot Wrench Holder

A277 3/8" Crowfoot Holder.

- Organize and store your crowfoot wrenches
- 2 piece design snaps apart for access to desired size
- 8 3/4" long

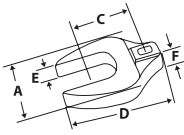
ADCF8 Adjustable Crowfoot Wrench.

- Metric and fractional scales
- Opening range from 0 to 1.14" (0 to 29 mm)
- Lateral side nut designed to work on difficult access fasteners and minimize dirt accumulation

Stock No.	Drive Size	Maximum Recommended Working Torque, in lb
ADCF8	3/8	2,849

WRENCHES

Flank Drive® Combination



SCOM32



314SCO

1/2" Open End, mm

mm		A	C	E	F	Maximum Recommended Working Torque, in lb
20	SCOM20	40.4	42.9	7.8	15.9	1,400
21	SCOM21	40.4	42.9	7.8	15.9	1,500
22	SCOM22	44.7	44.5	8.2	15.9	1,500
23	SCOM23	48.0	44.5	8.9	15.9	1,600
24	SCOM24	46.7	44.5	8.5	15.9	1,800
25	SCOM25	51.1	45.2	8.9	15.9	1,800
26	SCOM26	53.1	45.2	9.2	15.9	1,800
27	SCOM27	53.1	44.5	9.2	15.9	2,000
28	SCOM28	53.1	43.6	9.2	15.9	2,100
30	SCOM30	59.7	44.5	9.9	15.9	2,200
32	SCOM32	62.7	50.0	10.3	15.9	2,300
34	SCOM34	62.7	51.6	10.3	15.9	2,400
35	SCOM35	69.1	50.8	11.0	15.9	2,500
36	SCOM36	69.1	50.0	11.0	15.9	2,600
38	SCOM38	75.4	50.8	11.8	15.9	2,900
40	SCOM40	75.4	51.6	11.8	15.9	3,000
41	SCOM41	81.8	50.8	12.5	15.9	3,400
42	SCOM42	81.8	50.0	12.5	15.9	3,400
46	SCOM46	91.2	51.2	13.5	15.9	4,100

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1/2" Open End, inches

		A	C	E	F	Maximum Recommended Working Torque, in lb	
15/16	SC030	1 27/32	1 15/32	11/32	5/8	1,800	
1	SC032	1 31/32	1 11/16	23/64	5/8	1,900	
1 1/16	SC034	2 3/32	1 3/4	3/8	5/8	2,000	•
1 1/8	SC036	2 7/32	1 3/4	3/8	5/8	2,100	•
1 3/16	SC038	2 11/32	1 3/4	13/32	5/8	2,200	•
1 1/4	SC040	2 15/32	2	13/32	5/8	2,300	•
1 5/16	SC042	2 19/32	2	7/16	5/8	2,400	•
1 3/8	SC044	2 23/32	2	7/16	5/8	2,500	•
1 7/16	SC046	2 27/32	2	7/16	5/8	2,600	•
1 1/2	SC048	2 31/32	2	15/32	5/8	2,900	•
1 9/16	SC050	2 31/32	1 31/32	15/32	5/8	3,000	
1 5/8	SC052	3 7/32	1 31/32	1/2	5/8	3,400	•
1 11/16	SC054	3 11/32	2 3/16	1/2	5/8	3,700	•
1 3/4	SC056	3 15/32	2 3/16	17/32	5/8	3,900	•
1 13/16	SC058	3 19/32	2 3/16	17/32	5/8	4,100	•
1 7/8	SC060	3 23/32	2 3/16	9/16	5/8	4,300	•
2	SC064	3 31/32	2 7/32	9/16	5/8	5,000	•
2 1/8	SC068	3 31/32	2 7/32	37/64	5/8	5,000	
2 1/4	SC072	3 31/32	2 13/32	37/64	5/8	5,000	
2 3/8	SC076	4 3/8	2 31/64	19/32	5/8	5,000	
2 7/16	SC078	4 3/8	2 7/16	19/32	5/8	5,000	
2 1/2	SC080	4 3/8	2 13/32	19/32	5/8	5,000	

ASME B107.21

Heavy Duty Striking Wrenches

Flank Drive Straight Handle Sledge Hammer, inches, 12 Point

Set Contains:

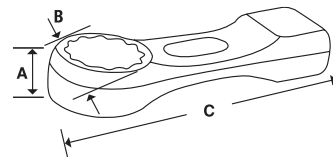
DX63A

	12	A	B	C	
1 3/16	DX138A	7/8	2 3/32	7 35/64	•
1 1/4	DX140A	7/8	2 3/32	7 35/64	•
1 5/16	DX142A	7/8	2 3/32	7 35/64	•
1 3/8	DX144A	61/64	2 17/64	7 41/64	•
1 7/16	DX146A	61/64	2 17/64	7 41/64	•
1 1/2	DX148A	61/64	1 17/64	7 41/64	•
1 5/8	DX152A	1 9/64	2 5/8	7 53/64	•
1 11/16	DX154A	1 9/64	2 5/8	7 53/64	•
1 3/4	DX156A	1 7/32	2 13/16	7 29/32	•
1 13/16	DX158A	1 7/32	2 13/16	7 29/32	•
1 7/8	DX160A	1 7/32	2 13/16	7 29/32	•
2	DX164A	1 13/32	3 11/64	11 19/32	•
2 1/16	DX166A	1 13/32	3 11/64	11 19/32	•
2 3/16	DX170A	1 17/32	3 29/64	11 47/64	•
2 1/4	DX172A	1 17/32	3 29/64	11 47/64	•
2 3/8	DX176A	1 21/32	3 23/32	11 55/64	•
2 7/16	DX178A	1 21/32	3 23/32	11 55/64	•
2 1/2	DX180A	1 21/32	3 23/32	11 55/64	•
2 9/16	DX182A	1 51/64	3 63/64	13	•
2 5/8	DX184A	1 51/64	3 63/64	13	•
2 3/4	DX188A	1 59/64	4 17/64	14 17/64	•
2 13/16	DX190A	1 59/64	4 17/64	14 17/64	•
2 15/16	DX194A	2 3/64	4 17/32	14 13/32	•
3	DX196A	2 3/64	4 17/32	14 13/32	•
3 1/8	DX1100A	2 17/64	4 29/32	17 37/64	•
3 3/8	DX1108A	2 17/64	4 29/32	17 37/64	•
3 1/2	DX1112A	2 29/64	5 19/64	17 51/64	•
3 3/4	DX1120A	2 21/32	5 17/32	17 51/64	•
3 7/8	DX1124A	2 21/32	5 17/32	17 57/64	•
4 1/8	DX1132A	2 59/64	6 1/32	18 9/64	•
4 1/4	DX1136A	2 59/64	6 1/32	18 9/64	•
4 1/2	DX1144A	3 5/32	6 25/32	20 1/64	•
4 5/8	DX1148A	3 5/32	6 25/32	20 1/64	•

ASME B107.100



DX158A



WARNING



- Use only moderate force on crowfoot and flarenut wrenches
- Read safety precautions on pages W1 to W4

WRENCHES

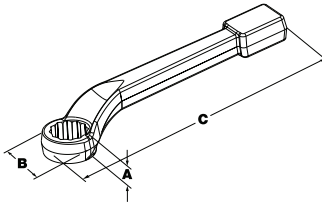
Heavy Duty Striking Wrenches

Flank Drive® Offset Handle Slugging, inches, 12 Point

Set Contains: **HX635**



HX400B



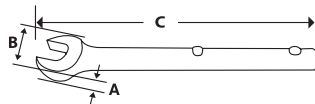
			A	B	C	
1 1/16	27	HX340A	11/16	1 5/8	10	•
1 1/8	-	HX360A	3/4	1 15/16	11	•
1 3/16	30	HX380A	3/4	1 15/16	11	•
1 1/4	32	HX400B	3/4	1 15/16	11	•
1 5/16	33	HX420A	3/4	1 15/16	11	•
1 3/8	35	HX440A	7/8	2 1/8	11 1/2	•
1 7/16	36	HX460A	7/8	2 1/8	11 1/2	•
1 1/2	38	HX480A	1	2 7/16	12	•
1 5/8	41	HX520A	1	2 7/16	12	•
1 11/16	43	HX540A	1 1/8	2 5/8	12 1/2	•
1 3/4	44	HX560A	1 1/8	2 5/8	12 1/2	•
1 13/16	46	HX580A	1 1/8	2 5/8	12 1/2	•
1 7/8	47	HX600A	1 1/4	2 7/8	13	•
1 15/16	49	HX620A	1 1/4	2 7/8	13	•
-	50	HXM50	1 1/4	2 7/8	13	•
2	51	HX640A	1 1/4	2 7/8	13	•
2 1/8	-	HX680A	1 3/8	3 1/4	13 9/16	•
2 3/16	55	HX700A	1 3/8	3 1/4	13 9/16	•
2 1/4	57	HX720A	1 3/8	3 1/4	13 9/16	•
2 5/16	59	HX740A	1 3/8	3 1/4	13 9/16	•
2 3/8	60	HX760A	1 1/2	3 5/8	14 1/8	•
2 1/2	64	HX800A	1 1/2	3 5/8	14 1/8	•
2 9/16	65	HX820A	1 1/2	3 5/8	14 1/8	•
2 5/8	67	HX840A	1 5/8	3 15/16	15	•
2 3/4	70	HX880A	1 5/8	3 15/16	15	•
2 7/8	73	HX920A	1 3/4	4 7/16	16	•
2 15/16	75	HX940A	1 3/4	4 7/16	16	•
3	76	HX960A	1 3/4	4 7/16	16	•
3 1/8	80	HX1000A	1 3/4	4 7/16	16	•
3 3/8	85	HX1080A	2	6 1/4	18 1/4	•
3 1/2	89	HX1120A	2	6 1/4	18 1/4	•
3 3/4	95	HX1200A	2	6 1/4	18 1/4	•
3 7/8	98	HX1240A	2	6 1/4	18 1/4	•
4 1/8	105	HX1320A	2	6 1/4	18 1/4	•
4 1/4	108	HX1360A	2	6 1/4	18 1/4	•

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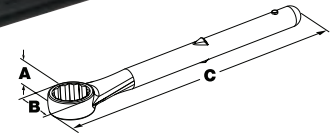
Heavy Duty Tubular Wrenches



OE148C



XH124C



Open End Tubular Wrenches, inches/mm

			A	B	C	Fits Handle No.
7/8	-	OE128C	1/2	1 15/16	10 1/2	13B or 24B
15/16	-	OE130C	1/2	1 15/16	10 1/2	13B or 24B
1	-	OE132C	9/16	2 5/16	11 5/16	13B or 24B
1 1/16	27	OE134C	9/16	2 5/16	11 5/16	13B or 24B
1 1/8	-	OE136C	9/16	2 5/16	11 1/4	13B or 24B
1 1/4	32	OE140C	5/8	2 3/4	12 5/16	13B or 24B
1 5/16	33	OE142C	5/8	2 3/4	12 5/16	13B or 24B
1 3/8	35	OE144B	5/8	2 3/4	12 1/4	13B or 24B
1 7/16	36	OE146C	11/16	3 1/8	13 1/4	13B or 24B
1 1/2	38	OE148C	11/16	3 1/8	13 5/16	13B or 24B

ASME B107.100

Flank Drive Straight Box, inches/mm

			A	B	C	Fits Handle No.
3/4	-	XH124C	1/2	1 1/4	10 13/16	13B or 24B
13/16	-	XH126C	1/2	1 1/4	10 13/16	13B or 24B
7/8	-	XH128C	5/8	1 7/16	10 15/16	13B or 24B
15/16	-	XH130C	5/8	1 7/16	10 15/16	13B or 24B
1	-	XH132C	11/16	1 9/16	11	13B or 24B
1 1/16	27	XH134C	11/16	1 9/16	11	13B or 24B
1 1/8	-	XH136C	11/16	1 11/16	11 1/8	13B or 24B
1 1/4	32	XH140C	3/4	1 15/16	13 1/2	13B or 24B
1 5/16	33	XH142C	3/4	1 15/16	13 1/2	13B or 24B
1 7/16	36	XH146C	7/8	2 3/16	13 5/8	13B or 24B
1 1/2	38	XH148C	7/8	2 3/16	13 5/8	13B or 24B
1 5/8	41	XH152C	15/16	2 3/8	13 3/4	13B or 24B
3 1/8	79	XH1100C	1 3/4	4 15/16	14 7/8	36B

ASME B107.100

Tubular Handles



36B



	A	B	Size, inches
13B	13 1/2	7/8	13
24B	24	7/8	24
36B	36	1 9/64	36

Combination T and L-Shape Wrenches



AWSGM800

Hex, mm

Set Contains:

AWSGM800

mm	Blue Handle	T-Length, mm	Length, mm	
2	AWSGM2	95	152	•
2.5	AWSGM2.5	95	152	•
3	AWSGM3	98	152	•
4	AWSGM4	98	187	•
5	AWSGM5	117	187	•
6	AWSGM6	117	246	•
8	AWSGM8	117	246	•
10	AWSGM10	124	248	•

Set includes storage tray

- Ergonomic, soft grip handle provides comfort during repetitive tasks
- Delivers superior turning power
- Allows maximum pressure to be applied when loosening difficult fasteners with both T and L applications
- Blades constructed from high strength steel and hardened for durability



AWSG800

Hex, inches

Set Contains:

AWSG800

in	Red Handle	T-Length, inches	Length, inches	
3/32	AWSG06	3 7/8	6	•
7/64	AWSG07	3 7/8	6	•
1/8	AWSG08	3 7/8	6	•
9/64	AWSG09	3 7/8	6	•
5/32	AWSG10	3 7/8	7 3/8	•
3/16	AWSG12	4 3/4	7 3/4	•
7/32	AWSG14	4 3/4	7 3/4	•
1/4	AWSG16	4 3/4	9 5/8	•
5/16	AWSG20	4 3/4	9 5/8	
3/8	AWSG24	4 3/4	9 5/8	

Set includes storage tray

- Blade tips are black oxide coated to prevent chipping and to help maintain a secure fastener engagement
- Short blade provides maximum torque for tight quarters
- Long blade promotes quick fastener turning in difficult access situations
- Hole in handle for hanging tool or tether
- Color coded handles identify metric and inch sizes at a glance



AWBSGM800

Ball Hex, mm

Set Contains:

AWBSGM800

mm	Blue Handle	T-Length, mm	Length, mm	
2	AWBSGM2	95	152	•
2.5	AWBSGM2.5	95	152	•
3	AWBSGM3	98	152	•
4	AWBSGM4	98	187	•
5	AWBSGM5	117	187	•
6	AWBSGM6	117	246	•
8	AWBSGM8	117	246	•
10	AWBSGM10	124	248	•

Set includes storage tray



AWBSG800

Ball Hex, inches

Set Contains:

AWBSG800

in	Red Handle	T-Length, inches	Length, inches	
3/32	AWBSG06	3 7/8	6	•
7/64	AWBSG07	3 7/8	6	•
1/8	AWBSG08	3 7/8	6	•
9/64	AWBSG09	3 7/8	6	•
5/32	AWBSG10	3 7/8	7 3/8	•
3/16	AWBSG12	4 3/4	7 3/4	•
7/32	AWBSG14	4 3/4	7 3/4	•
1/4	AWBSG16	4 3/4	9 5/8	•
5/16	AWBSG20	4 3/4	9 5/8	
3/8	AWBSG24	4 3/4	9 5/8	

Set includes storage tray



WARNING



- Plastic handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

WRENCHES

Combination T and L-Shape Wrenches



AWSGT800

AWSGTRP20

Torx Special Application

- Extra long T20 tamper resistant *Torx*
- Access mirrors on Mercedes® vehicles
- Short end also T20 Tamper resistant *Torx* for tight quarters

#	Green Handle	T-Length, inches	Length, inches
T20	AWSGTRP20	3 7/8	10 1/2

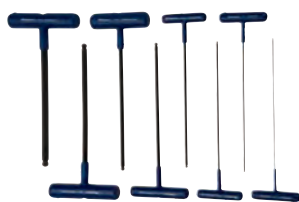


#	Green Handle	T-Length, inches	Length, inches	
T6	AWSGT6	3 7/8	6	
T7	AWSGT7	3 7/8	6	
T8	AWSGT8	3 7/8	6	
T9	AWSGT9	3 7/8	6	
T10	AWSGT10	3 7/8	6	•
T15	AWSGT15	3 7/8	7 3/8	•
T20	AWSGT20	3 7/8	7 3/8	•
T25	AWSGT25	4 3/4	7 5/8	•
T27	AWSGT27	4 3/4	7 5/8	•
T30	AWSGT30	4 3/4	9 5/8	•
T40	AWSGT40	4 3/4	9 5/8	•
T45	AWSGT45	4 3/4	9 3/4	•
T50	AWSGT50	4 3/4	9 3/4	

Set Contains: AWSGT800

Set includes storage tray

T-Shape



AWBMCG1600



AWBCG1600

Ball Hex, mm

mm	Stock No.	Handle	Length, inches	
2	AWBMCG1602	Blue	9	•
2.5	AWBMCG16025	Blue	9	•
3	AWBMCG1603	Blue	9	•
4	AWBMCG1604	Blue	9	•
5	AWBMCG1605	Blue	9	•
6	AWBMCG1606	Blue	9	•
8	AWBMCG1608	Blue	9	•
10	AWBMCG1610	Blue	9	•

Set Contains:

AWBMCG1600

Ball Hex, inches

	Stock No.	Handle	Length, inches	
3/32	AWBCG1606	Red	9	•
7/64	AWBCG1607	Red	9	•
1/8	AWBCG1608	Red	9	•
9/64	AWBCG1609	Red	9	•
5/32	AWBCG1610	Red	9	•
3/16	AWBCG1612	Red	9	•
7/32	AWBCG1614	Red	9	•
1/4	AWBCG1616	Red	9	•
5/16	AWBCG1620	Red	9	•
3/8	AWBCG1624	Red	9	•

Set Contains:

AWBCG1600



AWMCGR1608

Tamper Resistant, mm

AWMCGR1608 Metric T-Shape Hex Wrench.

- Yamaha® Rhino doors and aftermarket license plate holders with 8 mm tamper proof hex security fasteners
- Permits maximum pressure application when loosening difficult fasteners



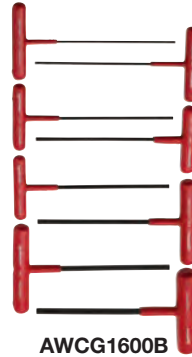
#	Green Handle 6" Length	
T7	AWCGT7	
T8	AWCGT8	•
T10	AWCGT10	•
T15	AWCGT15	•
T20	AWCGT20	•
T25	AWCGT25	•
T30	AWCGT30	
T40	AWCGT40	
T45	AWCGT45	

Set Contains:

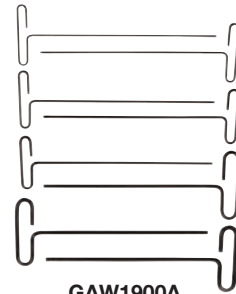
AWCGT500



AWMCG1600B



AWCG1600B



GAW1900A

Hex, mm

Set Contains:

AWMCG1600B

mm	Stock No.	Handle	Length, mm	
2	AWMCG1602B	Blue	152	•
2.5	AWMCG16025B	Blue	152	•
3	AWMCG1603B	Blue	152	•
4	AWMCG1604B	Blue	152	•
5	AWMCG1605B	Blue	152	•
6	AWMCG1606B	Blue	152	•
8	AWMCG1608B	Blue	152	•
10	AWMCG1610B	Blue	152	•

Hex, inches

Set Contains:

GAW1900A

AWCG1600B

	Standard Handle 9" Length	Red Handle 6" Length		
3/32	GAW1906	AWCG1606B	•	•
7/64	GAW1907	AWCG1607B	•	•
1/8	GAW1908	AWCG1608B	•	•
9/64	GAW1909	AWCG1609B	•	•
5/32	GAW1910	AWCG1610B	•	•
3/16	GAW1912	AWCG1612B	•	•
7/32	GAW1914	AWCG1614B	•	•
1/4	GAW1916	AWCG1616B	•	•
5/16	GAW1920	AWCG1620B		
3/8	GAW1924	AWCG1624B		

Wrench Stands

AWSTAND Wrench Stand.

- Mounting holes on top and bottom of stand provide many mounting locations
- Another AWSTAND can be added for increased storage options
- Stands can mount to a Slots-N-Dots Plus™ personal work center or lie flat on top of tool box
- Stand holds the following wrench styles:
 - L or T-shaped fractional hex 1/16 to 3/8"
 - L or T-shaped metric hex 2 to 10 mm
 - L or T-shaped Torx® T6 to T50
 - Metric or Torx on one stand
 - Fractional and metric on one stand
 - Metric and fractional ball wrenches

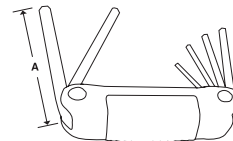


AWSTAND
Tools not included
with AWSTAND

Folding Sets

Hex, mm

mm	AWMEF7K	AWMEF8K	AWMEF6K
	A	A	A
1.5	45.7		
2	50.8	50.8	
2.5	55.9	55.9	
3	61.0	61.0	83.8
4	66.0	66.0	88.9
5	78.7	78.7	96.5
6	83.8	96.5	101.6
7		106.7	
8		121.9	121.9
10			129.5



AWMEF8K



AWMEF6K



WARNING



- Plastic handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

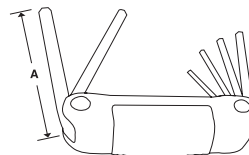
WRENCHES

L-Shaped/Folding Sets

Unique Screw Holding Tip*

Holds fastener to tool for delicate installations

* AWBPH13, AWMBPH9, AWTPH8 sets only



BHM9A



AWMBPH9



BHS13A



AWBPH13



BHS7A



AWBXL13



AWBML9



AWEF6K



AWEF9K

Hex, inches

Hex Size	A
5/32	2.7
3/16	3.3
7/32	3.5
1/4	3.7
5/16	4.8
3/8	5.1

Hex Size	A
.050	1.8
1/16	1.9
5/64	2.0
3/32	2.1
7/64	2.3
1/8	2.4
9/64	2.6
5/32	2.7
3/16	2.9

AWCPEF16K Combination Set.

Set includes

AWEF9K hex set

AWMEF7K metric hex set (p. 129)



AWEFBH9K



AWTEF8K

Ball Hex, inches

Ball Hex Size	A
5/64	2.0
3/32	2.1
7/64	2.3
1/8	2.4
9/64	2.6
5/32	2.7
3/16	2.9
7/32	3.5
1/4	3.7

Torx®

Torx Size	A
T8	2.4
T10	2.7
T15	3.0
T20	3.2
T25	3.4
T27	3.5
T30	3.7
T40	3.9

Ball Hex Sets

Industrial Finish L-Shaped Ball Hex Wrench Sets:

Ball hex allows up to 25° angle entry. Made from high strength steel.

Metric Sets:

BHM9A Metric Ball Hex Set. Set includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes (9 pcs) (1.5 to 10 mm) in plastic index.

AWMBPH9 Metric Ball Hex Set. Screw holding tip holds fastener to tool for delicate installations. Set includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes (9 pcs) (1.5 to 10 mm) in plastic index.

AWMBBS9 Metric Stubby Ball Hex Set. Stubby length for access in tight quarters. Set includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes (9 pcs) (1.5 to 10 mm) in plastic index.

AWBML9 Metric Extra Long Ball Hex Set. Set includes: 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes

Standard Sets:

BHS7A Ball Hex Set. Set includes 5/64, 3/32, 7/64, 1/8, 9/64, 5/32 and 3/16" sizes (7 pcs) (5/64 to 3/16") in plastic index.

BHS13A Ball Hex Set. Set includes 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8" sizes (13 pcs) (.050 to 3/8") in plastic index.

AWBPH13 Ball Hex Set. Screw holding tip holds fastener to tool for delicate installations. Set includes 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8" sizes (13 pcs) (.050 to 3/8") in plastic index.

AWBS13 Stubby Ball Hex Set. Stubby length for access to tight quarters. Set includes 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8" sizes (13 pcs) (.050 to 3/8") in plastic index.

AWBXL13 Extra Long Ball Hex Set. Set includes sizes: .05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8"



AWHD8K

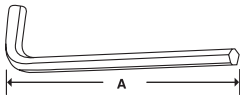
Combination

AWHD8K Hex/Torx Set.

Includes two Torx sizes (T27, T40) and six hex sizes (5/32, 3/16, 7/32, 1/4, 5/16 and 3/8"). Fits a wide range of Harley-Davidson® motorcycles.

WRENCHES

L-Shaped



AWM140DK



AW1020DK



AW1015DK



AW1013DK



AW1015DHK

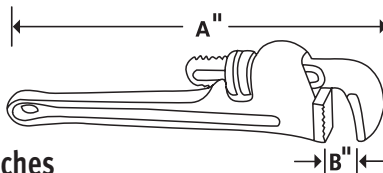
Hex, mm

	Stock No.	Hex, mm	A	Set Contains:			
				AWM140DK	AWM110DK	AWM100DK	
Standard Length	AWM2D	2	47.7	•	•	•	
	AWM2-1/2D	2.5	52.0	•	•	•	
	AWM3D	3	58.6	•	•	•	
	AWM4D	4	65.6	•	•	•	
	AWM5D	5	75.6	•	•	•	
	AWM6D	6	82.2	•	•	•	
	AWM7D	7	92.4	•	•	•	
	AWM8D	8	99.2	•	•	•	
	AWM9D	9	105.1	•	•	•	
	AWM10D	10	111.4	•	•	•	
	AWM12D	12	139.3	•	•	•	
	AWM14D	14	138.8	•			
	AWM17D	17	167.2	•			
AWM19D	19	193.6	•				
Long	AWML1.5D	1.5	77.7				
	AWML2D	2	83.0				
	AWML2.5D	2.5	89.9				
	AWML3D	3	100.0				
	AWML4D	4	107.0				
	AWML5D	5	118.5				
	AWML6D	6	141.0				
	AWML8D	8	161.5				
	AWML10D	10	172.0				
	AWML12D	12	193.6				
	Kit Bag				C1209	C15B	
	Metal Index						BHK11

Hex, Standard Length, inches

Stock No.	Hex, inches	A	Set Contains:			
			AW1020DK	AW1015DK	AW1013DK	AW1015DHK
AW028D	0.028	1 1/4	•	•		•
AW035D	0.035	1 5/16	•	•		•
AW050D	0.050	1 3/4	•	•	•	•
AW2D	1/16	1 3/4	•	•	•	•
AW2-1/2D	5/64	1 7/8	•	•	•	•
AW3D	3/32	2	•	•	•	•
AW3-1/2D	7/64	2 1/8	•	•	•	•
AW4D	1/8	2 1/4	•	•	•	•
AW4-1/2D	9/64	2 3/8	•	•	•	•
AW5D	5/32	2 1/2	•	•	•	•
AW6D	3/16	2 3/4	•	•	•	•
AW7D	7/32	3	•	•	•	•
AW8D	1/4	3 1/4	•	•	•	•
AW10D	5/16	3 3/4	•	•	•	•
AW12D	3/8	4 1/4	•	•	•	•
AW14D	7/16	4 3/4	•			
AW18D	9/16	5 3/4	•			
AW20D	5/8	6 1/4	•			
AW24D	3/4	7 1/4	•			
Kit Bag				C1209	C154	
Metal Index						BHK15

Pipe Wrenches



External Pipe Wrenches

Stock No. Coated Handle	Stock No. Aluminum Handle	A	B Max Opening
PW6C		6	3/4
PW8C		8	1
PW10C	PWA10A	10	1 1/2
PW12C		12	2
PW14C	PWA14A	14	2
PW18C	PWA18A	18	2 1/2
PW24C	PWA24A	24	3
PW36C	PWA36A	36	5



PW10C



PWA10A



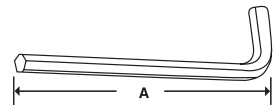
WARNING



- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

WRENCHES

L-Shaped



AWL1010DHK



AWMG9



AWS13

Hex, Long, inches

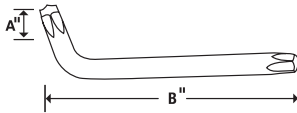
Stock No.	Hex Size	A	Set Contains:	
AWL3D	3/32	3 1/8	•	•
AWL3-1/2D	7/64	3 1/2	•	•
AWL4D	1/8	3 3/4	•	•
AWL4-1/2D	9/64	4	•	•
AWL5D	5/32	4 1/8	•	•
AWL6D	3/16	4 1/2	•	•
AWL7D	7/32	4 7/8	•	•
AWL8D	1/4	5 1/4	•	•
AWL10D	5/16	6	•	•
AWL12D	3/8	6 3/4	•	•
AWL14D	7/16	7 1/2		
AWL16D	1/2	8 1/4		
AWL18D	9/16	9		
AWL20D	5/8	9 3/4		
Kit Bag			C15B	
Metal Index				BHK10

Hex/Gold Finish, mm

Stock No.	Hex Size (mm)	Set Contains:	
AWMG9-1	1.5	•	•
AWMG9-2	2	•	•
AWMG9-3	2.5	•	•
AWMG9-4	3	•	•
AWMG9-5	4	•	•
AWMG9-6	5	•	•
AWMG9-7	6	•	•
AWMG9-8	8	•	•
AWMG9-9	10	•	•

Hex/Natural Finish, inches

Stock No.	Hex Size	Set Contains:	
AWS13-1	1/20	•	•
AWS13-2	1/16	•	•
AWS13-3	5/64	•	•
AWS13-4	3/32	•	•
AWS13-5	7/64	•	•
AWS13-6	1/8	•	•
AWS13-7	9/64	•	•
AWS13-8	5/32	•	•
AWS13-9	3/16	•	•
AWS13-10	7/32	•	•
AWS13-11	1/4	•	•
AWS13-12	5/16	•	•
AWS13-13	3/8	•	•



AWT100KA



AWTPH8



Stock No.	Hex Size	A	B	Set Contains:	
AWT8A	T8	.137	1 7/8		
AWT9A	T9	.148	1 7/8		
AWT10A	T10	.162	2	•	•
AWT15A	T15	.194	2 1/8	•	•
AWT20A	T20	.228	2 1/4	•	•
AWT25A	T25	.262	2 3/8	•	•
AWT27A	T27	.295	2 1/2	•	•
AWT30A	T30	.218	2 3/4	•	•
AWT40A	T40	.262	3	•	•
AWT45A	T45	.430	3 5/8	•	•
AWT50A	T50	.348	3 3/4	•	•
AWT55A	T55	.442	4 1/4	•	•



MS1015KA



Stock No.	A	B	Set Contains:	
MS2A	4	.033	•	•
MS3A	4	.048	•	•
MS4A	6	.060	•	•
MS5A	4	.069	•	•
MS6A	4	.076	•	•
MS7A	6	.072	•	•
MS8A	6	.096	•	•
MS10A	6	.110	•	•
MS16A	6	.144	•	•
MS20A	6	.183	•	•
MS24A	6	.216	•	•
MS28A	6	.251	•	•
MS32A	6	.291	•	•
MS40A	6	.372	•	•
MS48A	6	.454	•	•

Set includes kit bag

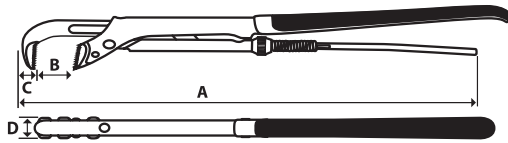
Torx/Tamper Resistant

Stock No.	Hex Size
AWTR8-1	T9
AWTR8-2	T10
AWTR8-3	T15
AWTR8-4	T20
AWTR8-5	T25
AWTR8-6	T27
AWTR8-7	T30
AWTR8-8	T40



AWTR8

Adjustable/Special Application



PWZ1

Pliers Wrench

Stock No.	A	B	C	D	Weight, lbs
PWZ0	8 3/16	1 1/2	5/16	9/16	1
PWZ1	12 5/8	1 3/4	1/2	3/4	1 5/8
PWZ2	17	2 1/2	5/8	13/16	2 1/2
PWZ3	21 1/2	3 1/2	3/4	1	6 3/8

Pliers Wrench

- Inwardly angled teeth (fine teeth at back of jaw, coarse teeth at front of jaw) for a stronger grip
- Quick adjustment of grip width
- Built-in guard against unthreading
- Soft, warm to the touch, high friction handle surfaces with a strong, stable core

Adjustable



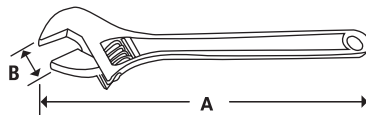
- Adjustable wrenches with serrated jaws feature our Flank Drive® Plus wrenching system for more turning power from an adjustable wrench
- Precision made wrenches feature fractional and metric scales for size reference
- Elastomer handle surface is soft, yet provide a nonslip gripping surface even for greasy and oily hands
- Cushion handle insulates against cold temperatures

Flank Drive Plus Adjustable/Cushion Handles

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
FADH6A	6 (152)	3/4 (19)	•
FADH8A	8 (203)	15/16 (24)	•
FADH10A	10 (254)	1 1/8 (29)	•
FADH12A	12 (304)	1 5/16 (33)	•

ASME® Standard

Set includes storage tray



FADH704A

Adjustable Wrenches

- Opposing fractional and metric quick sizing scales are provided for convenience
- High strength alloy steel machined to exacting specs and precision heat treated for strength and durability
- Nickel-chrome finish helps protect against corrosion and speeds clean up



AD704A

Set Contains:
AD704A

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
AD6A	6 (155)	25/32 (20)	•
AD8A	8 (205)	1 1/16 (27)	•
AD10A	10 (255)	1 3/16 (30)	•
AD12A	12 (305)	1 11/32 (34)	•

ASME B107.100

Set includes storage tray

Wide Mouth Adjustable/Cushion Handle

- Opens larger than standard adjustable wrench
- Longer jaws and slimline design for greater reach
- Metric and fractional scales for quick observation
- Adjustable moving jaw will not fall out, even when at max opening
- Elastomer handle is soft, insulates against cold and provides a nonslip surface
- ADHW6 opens as wide as an 8" adjustable wrench: ADHW8 opens as wide as a 10" adjustable wrench



ADHW8

Stock No.	A inches (mm)	B inches (mm)
ADHW6	6 (152)	1 1/4 (32)
ADHW8	8 (203)	1 1/2 (38)

ASME B107.100



WARNING



- Plastic coated handle does not protect against electric shock
- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

WRENCHES

Adjustable (Blue-Point®)



BLPADJ703



BLPADJ404



GAJS30A



BADJC703



BLPADJ404SG



ANADJ8

Adjustable Wrenches

Stock No.	Set Contains:		BLPADJ703		BLPADJ404*	
	A inches (mm)	B inches (mm)				
GAJ4A	4 (108)	1/2 (13)				
GAJ6A	6 (160)	1 (25.4)			•	
GAJ8A	8 (210)	1 1/8 (29)			•	
GAJ10A	10 (260)	1 9/32 (33)			•	
GAJ12A	12 (310)	1 1/2 (38)			•	
GAJ15A	15 (385)	1 19/32 (43)	•			
GAJ18A	18 (450)	2 1/16 (52)	•			
GAJ24A	24 (610)	2 7/16 (62)	•			
GAJS30A*	30 (778)	3 11/32 (85)				

ASME® B107.100

*Set includes storage tray

- Inch and metric scales on fixed jaw indicate wrench opening
- Fixed jaw and handle forged in one piece to ensure maximum strength
- Wrench is balanced to minimize wrist stress
- Hole at handle end for tether or hanging

Composite Handle Adjustable Wrench

Stock No.	Set Contains:		BADJC703	
	A inches	B inches		
BADJC6	6 7/16	1	•	
BADJC8	8 9/16	1 3/16	•	
BADJC10	10 1/2	1 3/8	•	

Set includes storage tray

Adjustable Wrenches/Soft Grip

Stock No.	Set Contains:		BLPADJ404SG	
	A inches (mm)	B inches (mm)		
GAJ6SG	6 (160)	1 (25.4)	•	
GAJ8SG	8 (210)	1 1/8 (29)	•	
GAJ10SG	10 (260)	1 9/32 (32.8)	•	
GAJ12SG	12 (310)	1 1/2 (38)	•	

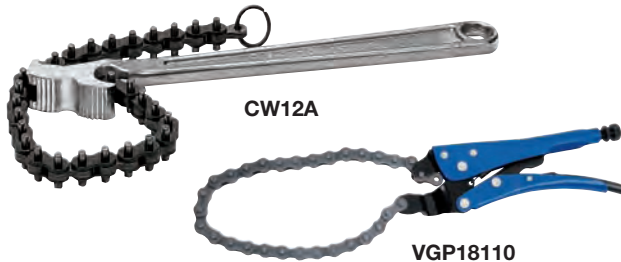
Set includes storage tray

Aluminum (for AN Fittings)

Stock No.	Color	A inches (mm)	B inches (mm)
ANADJ8	Red	8 (203)	AN #10 (1")

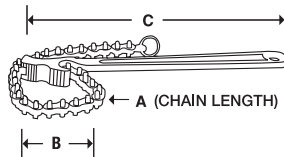
- Securely tighten expensive AN fittings to reduce risk of damage in aircraft, marine and industrial applications as well as for race and show cars
- Machined from aluminum billet to exacting tolerances and made from quality heat treated aluminum

Special Application



CW12A

VGP18110



Chain Wrenches

Stock No.	A	B	C	Replacement Chain
CW12A	16	4	12	CW12A-1
CW15A	19	5	15	CW15A-1
CW24A	23	6	24	CW24A-1

VGP18110 Locking Chain Wrench.

- Wraps around and holds irregular shaped objects like oil filters and mufflers
- Chain capacity: up to 6 9/32" (160 mm)
- Handle length: 9 27/32" (250 mm)

VGP181101 Replacement Chain.

- Replacement chain for V P18110



BLPSTWRKT

Strap Wrenches (Blue-Point®)

BLPSTWR4 Strap Wrench.

- Adjusts to fit any circumference or irregular shape
- Won't scratch or damage surfaces
- Cushioned grip for maximum comfort
- Heavy duty construction for longer life
- 4" max diameter

BLPSTWR6 Strap Wrench.

- Same as BLPSTWR4 except features a 6" max diameter

BLPSTWRKT Strap Wrench Set.

- BLPSTWR4 and BLPSTWR6 (2 pcs)



N6893B

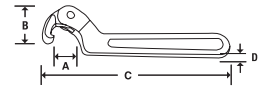
Valve Persuader (Special order only.)

N6893B Valve Persuader Wrench.

- Persuader end provides extra leverage on valve wheels
- Hooks around valve stems and protrudes through spokes
- 15" long



304AHSK



Adjustable Hook Spanners

- Services collars, rings and bearings
- Single jaw and roll pin construction with industrial finish
- Make sure jaw hook is properly positioned when in use

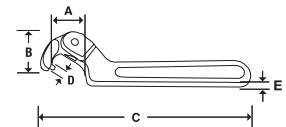
Set Contains: 304AHSK

Stock No.	A	B	C	D	
AHS300B	3/4-2	1/8	6 3/8	11/32	•
AHS301B	1 1/4-3	5/32	8 1/8	13/32	•
AHS304B	2-4 3/4	3/16	11 3/8	15/32	•
AHS307B	4 1/2-6 1/2	1/4	12 1/8	15/32	•

Set shown includes Kit bag



304APSK



Adjustable Pin Spanners

- Removes rings, collars and lock nuts
- Make sure jaw hook is properly aligned when in use

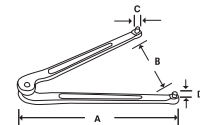
Set Contains: 304APSK

Stock No.	A	B	C	D	E	
APS351B	3/4-2	1/8	6 3/8	1/8	11/32	•
APS357B	1 1/4-3	3/16	8 1/8	3/16	11/32	•
APS363B	2-4 3/4	1/4	11 3/8	1/4	15/32	•
APS366B	4 1/2-6 1/4	1/4	12 1/8	3/8	15/32	•

Set shown includes Kit bag



AFS482B



Adjustable Face Pin Spanners

For servicing seal and packing nuts on hydraulic cylinders.

Stock No.	A	B	C	D
AFS482B	6 3/8	2	3/16	5/32
AFS483B	8 1/4	3	1/4	3/16
AFS484B	10 3/8	4	5/16	1/4



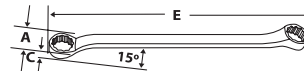
WARNING



- Plastic coated handle does not protect against electric shock
- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

HIGH PERFORMANCE

High Performance Flank Drive® Wrenches



XDHM606

Box, 15° Offset Heads, mm

Set Contains: **XDHM606**

mm	12	A	C	E	12
8-9	XDHM89	11.6-13.0	5.8-6.2	219.2	•
8-10	XDHM810	11.6-14.4	6.2-7.6	225.6	
10-11	XDHM1011	14.4-15.6	7.6-8.5	246.3	•
10-12	XDHM1012	14.4-17.1	7.6-9.0	264.0	
12-13	XDHM1213	17.1-18.7	9.0-9.0	277.6	•
12-14	XDHM1214	17.1-20.1	9.0-10.2	289.6	
14-15	XDHM1415	20.1-21.5	9.8-10.9	313.1	•
14-17	XDHM1417	20.1-23.7	9.8-11.3	334.7	
15-16	XDHM1516	21.5-22.6	10.9-10.9	334.8	
17-19	XDHM1719	23.7-26.3	11.3-12.1	360.1	•
18-20	XDHM1820	24.9-27.3	12.1-13.6	384.0	•

Set includes storage tray



XDH605

Box, 15° Offset Heads, inches

Set Contains: **XDH605**

11	12	12	A	C	E	12
7/32 - 1/4	XDH78A	GXDH78A	11/32 - 3/8	13/64 - 15/64	7 15/64	
1/4 - 5/16	XDH810B	GXDH810B	3/8 - 29/64	1/4 - 1/4	8 3/64	•
5/16 - 3/8	XDH1012B	GXDH1012B	29/64 - 35/64	1/4 - 19/64	8 7/8	
3/8 - 7/16	XDH1214A	GXDH1214A	35/64 - 5/8	19/64 - 11/32	9 11/16	•
7/16 - 1/2	XDH1416A	GXDH1416A	11/32 - 3/4	11/32 - 23/64	10 7/16	
1/2 - 9/16	XDH1618A	GXDH1618A	23/32 - 13/16	23/64 - 13/32	11 7/16	•
5/8 - 3/4	XDH2024A		57/64 - 1 3/64	7/16 - 31/64	13 9/32	•
11/16 - 13/16	XDH2226A		63/64 - 1 9/64	31/64 - 17/32	15 5/32	•

Aerospace Spec. AS954E

Set includes storage tray



GXDH1618A

Box/Short Handle, 0° Offset Heads, mm



XDHSFM1214

mm	12	A	C	E
8-10	XDHSFM810	12.1-14.9	6.2-7.6	162.9
10-12	XDHSFM1012	14.4-17.1	7.6-9.0	190.5
12-14	XDHSFM1214	17.1-20.1	8.5-10.2	208.8
17-19	XDHSFM1719	23.8-26.3	11.3-12.1	260.3

HIGH PERFORMANCE/SPLINE

Flank Drive® Wrenches



XDHFM606

Box, 0° Offset Heads, mm

Set Contains: XDHFM606

mm	12	A	C	E	12
6-7	XDHFM67	9.1-10.4	5.3-5.8	211.5	
8-9	XDHFM89	11.6-13.0	5.8-6.2	226.1	
8-10	XDHFM810	11.6-14.4	6.2-7.6	232.7	
10-11	XDHFM1011	14.4-15.6	7.6-8.5	253.7	•
10-12	XDHFM1012	14.4-17.1	8.5-9.0	272.2	•
12-13	XDHFM1213	17.1-18.7	9.0-9.0	286.2	•
12-14	XDHFM1214	17.1-20.1	9.0-10.2	298.4	•
13-14	XDHFM1314	18.7-20.1	9.0-9.7	299.2	•
14-15	XDHFM1415	20.1-21.5	9.8-10.9	323.5	•
14-17	XDHFM1417	20.1-23.7	9.8-11.3	345.0	•
15-16	XDHFM1516	21.5-22.6	10.9-10.9	347.5	•
17-19	XDHFM1719	23.8-26.3	11.3-12.1	372.1	•
18-20	XDHFM1820	25.0-27.3	12.1-13.6	395.7	•
21-22	XDHFM2122	28.8-30.6	13.7-14.6	421.2	•
22-24	XDHFM2224	30.6-33.1	14.0-14.9	445.2	•

Set includes storage tray



XDHF605

Box, 0° Offset Heads, inches

Set Contains: XDHF605

in	12	A	C	E	
1/4 - 5/16	XDHF810	13/32 - 15/32	7/32 - 1/4	8 5/16	•
3/8 - 7/16	XDHF1214	17/32 - 5/8	5/16 - 11/32	10 1/16	•
1/2 - 9/16	XDHF1618	23/32 - 13/16	11/32 - 13/32	11 3/4	•
5/8 - 3/4	XDHF2024	7/8 - 1 1/32	7/16 - 15/32	13 5/8	•
11/16 - 13/16	XDHF2226	31/32 - 1 5/32	15/32 - 17/32	15 5/8	•

Set includes storage tray

Spline Wrenches

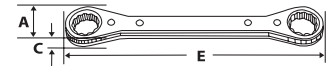
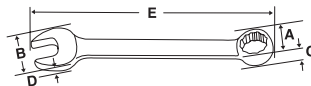
Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft.

Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. (Industrial finish tools comply with performance specifications and differ only in finish.) The unique spline wrenching configuration can also be used on ordinary 6 and 12 point fasteners with an advantage similar to the Snap-on Flank Drive wrenching system.



OES18B



Combination/Short Handle, inches

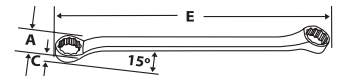
Stock No.	A	B	C	D	E
#8	13/32	17/32	1/8	5/32	4 1/2
#10	15/32	21/32	11/64	15/64	4 55/64
#12	17/32	25/32	13/64	17/64	5 7/32
#14	5/8	29/32	15/64	5/16	5 27/64
#16	23/32	1 1/16	1/4	5/16	5 47/64
#18	13/16	1 3/16	17/64	21/64	6 1/32
#20	7/8	1 5/16	9/32	11/32	6 5/16
#22	31/32	1 7/16	19/64	23/64	6 39/64
#24	1 1/16	1 9/16	5/16	3/8	6 29/32



RES2630C

Ratcheting Box, inches

Stock No.	A	C	E	# of Gear Teeth
#8-#10	9/16-5/8	11/32	4 11/16	16-18
#12-#14	3/4-7/16	11/32	6 5/32	20-22
#18-#20	1 1/8-1 1/4	13/32	7 27/32	20-22
#26-#30	1 1/2-1 9/16	7/16	9 25/32	22-22



15° Offset Heads, inches

XDES1618A

Stock No.	A	C	E
#7-#9	11/32-7/16	11/64-13/64	7 1/4
#8-#10	3/8-15/32	3/16-7/32	8 1/16
#12-#14	35/64-41/64	5/16-11/32	9 3/4
#16-#18	3/4-13/16	3/8-3/8	11 7/16
#18-#20	13/16-57/64	25/64-13/32	12 3/8
#22-#24	31/32-1 5/64	7/16-5/64	14 1/4
#26-#30	1 5/32-1 5/16	1/2-9/16	16 3/16
#28-#32	1 1/4-1 7/16	17/32-37/64	17



WARNING



- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4