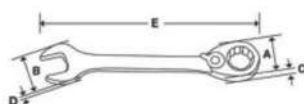




- Patented, ratcheting mechanism utilizes Snap-on® Dual 80® Technology, combining dual pawls with a thin-walled, box-end design for smooth operation and more torque transfer in less lateral space
- 12-point ratcheting gear is cold formed and features the Flank Drive® wrenching configuration, the proven design for turning fasteners
- Open end features the patented Flank Drive® Plus wrenching configuration that delivers up to 10% more turning power than conventional wrenches

- Up to 12 gear teeth requires minimal movement in tight areas
- Box end is offset 12° for maximum clearance
- **STRONG:** Manufactured from special alloy steel; Precision forged, cold-formed and heat treated; Nickel-chrome plating; optimum corrosion protection, strength and durability
- **POWERFUL:** Continuous arc design; smooth operation distributes stress evenly creating more torque transfer



SOXRRM7-10A

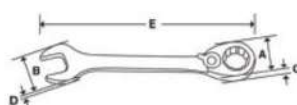
Ratcheting Combination/Standard Handle, 12° Offset, mm

mm	12	A	B	C	D	E	Set Contains:			
							SOXRRM70-4A*	SOXRRM70-7A*	SOXRRM70-10A*	SOXRRM70-19A*
6	SOXRRM6A	16.3	13.8	6.7	3.7	126	•			•
7	SOXRRM7A	16.8	15.1	6.9	3.9	137	•			•
8	SOXRRM8A	17.8	17.0	7.1	4.3	149	•			•
9	SOXRRM9A	19.6	19.2	7.9	4.7	164	•			•
10	SOXRRM10A	19.1	21.1	7.2	5.1	179		•	•	•
11	SOXRRM11A	21.1	23.4	7.6	5.5	194		•	•	•
12	SOXRRM12A	22.7	25.1	8.1	5.9	207		•	•	•
13	SOXRRM13A	24	27.2	8.2	6.3	221		•	•	•
14	SOXRRM14A	26.3	29.2	8.2	6.7	235		•	•	•
15	SOXRRM15A	27.8	31.2	9.1	7.1	249		•	•	•
16	SOXRRM16A	28.4	33	9.8	7.4	261			•	•
17	SOXRRM17A	30.5	35.1	9.9	7.8	277		•	•	•
18	SOXRRM18A	31.8	37.1	10.4	8.2	291			•	•
19	SOXRRM19A	32.4	39.4	10.9	8.6	305			•	•

*Sets include storage tray

^Sets shown include foam organizer

ASME® B107.100



SOXRR70A

Ratcheting Combination/Standard Handle, 12° Offset, inches

12	12	A	B	C	D	E	Set Contains:			
							SOXRR70-2A*	SOXRR70-7A*	SOXRR70-19A*	SOXRR70-24A*
1/4	SOXRR8A	21/32	9/16	9/32	5/32	4-15/16	•			•
5/16	SOXRR10A	27/32	11/16	9/32	3/16	5-29/32	•			•
3/8	SOXRR12A	3/4	27/32	9/32	7/32	7-1/32		•	•	
7/16	SOXRR14A	27/32	15/16	5/16	7/32	7-21/32		•	•	
1/2	SOXRR16A	15/16	1-1/16	11/32	1/4	8-11/16		•	•	
9/16	SOXRR18A	1-1/32	1-5/32	11/32	1/4	9-1/4		•	•	
5/8	SOXRR20A	1-1/8	1-5/16	3/8	9/32	10-9/32		•	•	
11/16	SOXRR22A	1-3/16	1-3/8	13/32	5/16	10-7/8		•	•	
3/4	SOXRR24A	1-9/32	1-9/16	7/16	11/32	12		•	•	

*Sets include storage tray

^Sets shown include foam organizer

ASME® B107.100



FLANK DRIVE® PLUS REVERSIBLE RATCHETING COMBINATION

WRENCHES

Foam Combination Sets (Wrenches)

SOXRSET1BRA 10pc 10-Point Metric/SAE Flank Drive®

Plus Reversible Ratcheting Combination Wrench Master Foam Set

- Includes SOXRSET1A-SOXRSET1A (10-10 mm) and SAE SOXRSET1A-SOXRSET1A (7/8-1/2") in a foam organizer
- Patented ratcheting mechanism utilizes Snap-on® Dual 10® Technology, combining dual-pawls with a thin-walled, box-end design, for smooth operation and more torque transfer in less lateral space
- Flank-Drive® gear features an 10-tooth profile and is cold formed from the same steel as Snap-on sockets, delivering up to 10% more cycle life and strength equivalent to traditional combination wrenches
- Flank-Drive® Plus wrenching profile on open end, "bites" into the fastener, preventing slipping and rounding of the fasteners, while providing up to 10% more turning power and strength
- Manufactured from special alloy steel; precision forged and heat-treated, with nickel-chrome finish for optimum strength and durability
- Longer length wrench handle is sized for optimum comfort and balance, and provides increased leverage, especially in tight spaces
- Handle is offset 10° from box-end for maximum knuckle clearance and increased access in any space



SOXRSET1BRA

FOAM ORGANIZER

- Modular design provides in-drawer reconfiguration for new tools
- Each tool is precision fitted providing ultimate tool protection
- Push-to-lift feature facilitates tool retrieval while maintaining max tool density on smallest footprint
- Contrasting colors provide visual control which eliminates time searching for missing tools
- Closed cell cross-linked foam resist oils, solvents and fuels—easy to clean
- Fits in a 10" drawer

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

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 the box end provides up to 10-10% 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 10 gear teeth for minimal movement in tight areas
- Box end is offset 10° for clearance
- Sized for optimum comfort and balance
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

mm	12	A	B	C	D	E	Gear Teeth	12
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	7.4	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	•

Sets include storage tray

ASME® B107.100

Set Contains:

SRXRM70



SRXRM10

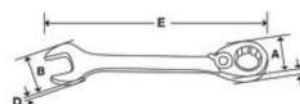
Reversible Ratcheting Combination/Spline, inches

Size, Spline (SAE)	Stock No.	A	B	C	D	E	
#12 (3/8)	SOSRR12	3/4	27/32	9/32	7/32	7-1/32	•
#14 (7/16")	SOSRR14	27/32	15/16	5/16	7/32	7-21/32	•
#16 (1/2")	SOSRR16	15/16	1-1/16	11/32	1/4	8-11/16	•
#18 (9/16")	SOSRR18	1-1/32	1-5/32	11/32	1/4	9-1/4	•
#20 (5/8")	SOSRR20	1-1/8	1-5/16	3/8	9/32	10-9/32	•
#22 (11/16")	SOSRR22	1-3/16	1-3/8	13/32	5/16	10-7/8	•
#24 (3/4")	SOSRR24	1-9/32	1-9/16	7/16	11/32	12	•

Sets include storage tray

Set Contains:

SOSRR70



SOSRR12



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4



SOXRM703A



SOXRM704A



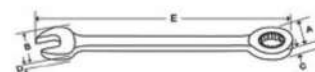
SOXRM710A



SOXRM01FBRA



SOXRM02FBRA



Ratcheting Combination/ Standard Handle, □ Offset, mm

mm	12	A	B	C	D	E	Set Contains:				
							SOXRM703A*	SOXRM704A*	SOXRM710A*	SOXRM01FBRA [^]	SOXRM02FBRA [^]
6	SOXRM6A	16	13.2	6.4	3.5	123	12	•	•	•	•
7	SOXRM7A	16	15	6.4	3.9	134	•	•	•	•	•
8	SOXRM8A	16.9	17	6.4	4.3	147	•	•	•	•	•
9	SOXRM9A	18.2	19.2	6.8	4.7	159	•	•	•	•	•
10	SOXRM10A	19.1	21.1	7.2	5.1	171	•	•	•	•	•
11	SOXRM11A	21.1	23.4	7.6	5.5	183	•	•	•	•	•
12	SOXRM12A	22.7	25.1	8.1	5.9	195	•	•	•	•	•
13	SOXRM13A	24	27.2	8.2	6.3	207	•	•	•	•	•
14	SOXRM14A	26.3	29.2	8.3	6.7	219	•	•	•	•	•
15	SOXRM15A	27.8	31.2	8.3	7.1	231	•	•	•	•	•
16	SOXRM16A	28.4	33	9.8	7.4	243	•	•	•	•	•
17	SOXRM17A	30.5	35.1	9.9	7.8	255	•	•	•	•	•
18	SOXRM18A	31.8	37.1	10.4	8.2	267	•	•	•	•	•
19	SOXRM19A	32.4	39.4	10.9	8.6	279	•	•	•	•	•
21	SOXRM21A	39.5	43.2	13	9.4	314	•	•	•	•	•
22	SOXRM22A	39.7	45.7	13	9.9	329	•	•	•	•	•
24	SOXRM24A	46.1	48.8	14.1	10.5	358	•	•	•	•	•

*Sets include storage tray

[^]Sets shown include foam organizer.

ASME® B107.100



FLANK DRIVE® PLUS NON-REVERSIBLE COMBINATION

WRENCHES



SOXR702A



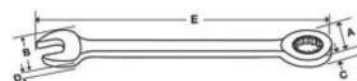
SOXR704A



SOXR707A



SOXR02FBRA



Ratcheting Combination/ Standard Handle, ° Offset, inches

		A	B	C	D	E	Set Contains:	SOXR702A*	SOXR704A*	SOXR707A*	SOXR01FBRA*	SOXR02FBRA*
	12							12	12	12	12	12
1/4	SOXR8A	5/8	1/2	1/4	9/64	4-27/32	•				•	
5/16	SOXR10A	21/32	43/64	1/4	11/64	6-1/4	•				•	
3/8	SOXR12A	3/4	27/32	9/32	3/16	6-3/4				•	•	
7/16	SOXR14A	27/32	29/32	5/16	7/32	7-7/32				•	•	
1/2	SOXR16A	15/16	1-1/16	11/32	1/4	8-5/32				•	•	
9/16	SOXR18A	1-1/32	1-5/32	11/32	1/4	8-5/8				•	•	
5/8	SOXR20A	1-1/8	1-5/16	3/8	9/32	9-9/16				•	•	
11/16	SOXR22A	1-7/32	1-3/8	13/32	5/16	10-1/32				•	•	
3/4	SOXR24A	1-9/32	1-9/16	7/16	11/32	10-31/32				•		•
13/16	SOXR26A	1-9/16	1-3/4	17/32	3/8	12-3/8		•				•
7/8	SOXR28A	1-9/16	1-13/16	17/32	13/32	12-15/16		•				•
15/16	SOXR30A	1-13/16	1-15/16	9/16	7/16	14-1/8		•				•
1	SOXR32A	1-13/16	1-15/16	9/16	7/16	14-11/16		•				•

*Sets include storage tray

^Sets shown include foam organizer.

ASME® B107.100

Non-Reversible Ratcheting Combination/Spline, inches

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-□□□□ and MIL-W-□□□□. The unique spline wrenching configuration can also be used on ordinary □- and □-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



	Stock No.	A	B	C	D	E
#7 (7/32)	SOSR7	5/8	17/32	1/4	5/32	4-27/32
#8 (1/4)	SOSR8	5/8	17/32	1/4	5/32	4-27/32
#9 (9/32)	SOSR9	21/32	11/16	1/4	3/16	5-25/32
#10 (5/16)	SOSR10	21/32	11/16	1/4	3/16	5-25/32
#11 (11/32)	SOSR11	23/32	3/4	9/32	3/16	6-1/4
#12 (3/8)	SOSR12	3/4	27/32	9/32	7/32	6-3/4
#14 (7/16)	SOSR14	27/32	15/16	5/16	7/32	7-7/32
#16 (1/2)	SOSR16	15/16	1-1/16	11/32	1/4	8-5/32
#18 (9/16)	SOSR18	1-1/32	1-5/32	11/32	1/4	8-5/8
#20 (5/8)	SOSR20	1-1/8	1-5/16	3/8	9/32	9-9/16
#22 (11/16)	SOSR22	1-3/16	1-3/8	13/32	5/16	10-1/32
#24 (3/4)	SOSR24	1-9/32	1-9/16	7/16	11/32	10-31/32
#26 (13/16)	SOSR26	1-9/16	1-23/32	1/2	3/8	12-11/32
#28 (7/8)	SOSR28	1-9/16	1-13/16	1/2	13/32	12-15/16
#30 (15/16)	SOSR30	1-13/16	1-15/16	9/16	13/32	14-1/8
#32 (1")	SOSR32	1-13/16	2-1/32	9/16	7/16	14-23/32



SOSR10



SOSR30



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® RATCHETING COMBINATION



Ratcheting Combination/Standard Handle, □ Offset, inches

		A	B	C	D	E	Set Contains:	OXR702A	OXR707A*	OXR704A*
12	12									
1/4	OXR8A	5/8	1/2	1/4	9/64	4-27/32	•			
5/16	OXR10A	21/32	43/64	1/4	11/64	6-1/4	•			
3/8	OXR12A	3/4	27/32	9/32	3/16	6-3/4		•		
7/16	OXR14A	27/32	29/32	5/16	7/32	7-7/32		•		
1/2	OXR16A	15/16	1-1/16	11/32	1/4	8-5/32		•		
9/16	OXR18A	1-1/32	1-5/32	11/32	1/4	8-5/8		•		
5/8	OXR20A	1-1/8	1-5/16	3/8	9/32	9-9/16		•		
11/16	OXR22A	1-7/32	1-3/8	13/32	5/16	10-1/32		•		
3/4	OXR24A	1-9/32	1-9/16	7/16	11/32	10-31/32		•		
13/16	OXR26A	1-9/16	1-3/4	17/32	3/8	12-3/8			•	
7/8	OXR28A	1-9/16	1-13/16	17/32	13/32	12-15/16			•	
15/16	OXR30A	1-13/16	1-15/16	9/16	7/16	14-1/8			•	
1	OXR32A	1-13/16	2-1/16	9/16	7/16	14-11/16			•	

*Sets include storage tray

ASME® B107.100



Ratcheting Combination/Standard Handle, □ Offset, mm

		A	B	C	D	E	Set Contains:	OXRM704A*	OXRM710A*	OXRM703A
12	12									
6	OXRM6A	16	13.2	6.4	3.5	123	•			
7	OXRM7A	16	15	6.4	3.9	134	•			
8	OXRM8A	16.9	17	6.4	4.3	147	•			
9	OXRM9A	18.2	19.2	6.8	4.7	159	•			
10	OXRM10A	19.1	21.1	7.2	5.1	171		•		
11	OXRM11A	21.1	23.4	7.6	5.5	183		•		
12	OXRM12A	22.7	25.1	8.1	5.9	195		•		
13	OXRM13A	24	27.2	8.2	6.3	207		•		
14	OXRM14A	26.3	29.2	8.3	6.7	219		•		
15	OXRM15A	27.8	31.2	8.3	7.1	231		•		
16	OXRM16A	28.4	33	9.8	7.4	243		•		
17	OXRM17A	30.5	35.1	9.9	7.8	255		•		
18	OXRM18A	31.8	37.1	10.4	8.2	267		•		
19	OXRM19A	32.4	39.4	10.9	8.6	279		•		
21	OXRM21A	39.5	43.2	13	9.4	314			•	
22	OXRM22A	39.7	45.7	13	9.9	329			•	
24	OXRM24A	46.1	48.8	14.1	10.5	358			•	

*Sets include storage tray

ASME® B107.100

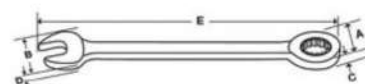
Snapon.com 1.877.762.7664



OXKRM705



OXKRM707



Set Contains:

OXKRM705
OXKRM707

Ratcheting Combination/Short Handle, □° Offset, mm

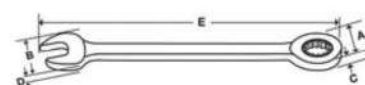
mm	12	A	B	C	D	E	12	12
6	OXKRM6	16	13.2	6.4	3.5	81		
7	OXKRM7	16	14.9	6.4	3.9	85		
8	OXKRM8	16.9	17	6.4	4.3	89		•
9	OXKRM9	18.2	19.1	6.8	4.7	93		•
10	OXKRM10	19.1	21.1	7.2	5.1	97		•
11	OXKRM11	21.1	23.4	7.6	5.5	101		•
12	OXKRM12	22.7	25.1	8.1	5.9	105		•
13	OXKRM13	24.0	27.2	8.2	6.3	110		•
14	OXKRM14	26.3	29.2	8.3	6.7	114		•
15	OXKRM15	27.8	31.2	8.3	7.1	118	•	
16	OXKRM16	28.4	33.0	9.8	7.4	122	•	
17	OXKRM17	30.5	35.1	9.9	7.8	127	•	
18	OXKRM18	31.8	37.1	10.4	8.2	131	•	
19	OXKRM19	32.4	39.4	10.9	8.6	135	•	

Sets include storage tray

ASME® B107.100



OXKR707



Set Contains:

OXKR707

Ratcheting Combination/Short Handle, □° Offset, inches

	12	A	B	C	D	E	12
1/4	OXKR8	5/8	1/2	1/4	9/64	3-3/16	
5/16	OXKR10	21/32	43/64	1/4	11/64	3-17/32	
3/8	OXKR12	3/4	27/32	9/32	3/16	3-27/32	•
7/16	OXKR14	27/32	29/32	5/16	7/32	3-31/32	•
1/2	OXKR16	15/16	1-1/16	11/32	1/4	4-5/16	•
9/16	OXKR18	1-1/32	1-5/32	11/32	1/4	4-15/32	•
5/8	OXKR20	1-1/8	1-5/16	3/8	9/32	4-13/16	•
11/16	OXKR22	1-7/32	1-3/8	13/32	5/16	4-31/32	•
3/4	OXKR24	1-9/32	1-9/16	7/16	11/32	5-11/32	•

Sets include storage tray

ASME® B107.100



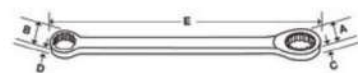
- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® HIGH PERFORMANCE RATCHETING BOX WRENCHES



- Extended-length handle pattern, combined with 12° offset, increases leverage to maximize torque to break loose difficult fasteners
- 12-tooth ratcheting gear utilizes key elements of Snap-on® Dual 12° Technology, minimizing swing arc when working in restricted spaces
- Flank-Drive® box-end wrenching system grips fastener flats to deliver up to 12-15% more turning power with less risk of fastener damage

- Wrench handle is sized for optimum length, comfort and balance
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe the wrenches clean



XDLRM705K1A

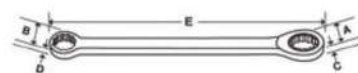
Ratcheting Box, 12° Offset, mm

Set Contains:

XDLRM705K1A
XDLRM705K2A

mm	12	A	B	C	D	E	12	12
8	XDLRM8A	16.9	11.6	6.4	6.2	231		
9	XDLRM9A	18.2	13	6.8	6.2	244		
10	XDLRM10A	19.1	14.4	7.2	7.6	257		•
11	XDLRM11A	21.1	15.6	7.6	8.5	270	•	
12	XDLRM12A	22.7	17.1	8.1	8.9	282	•	
13	XDLRM13A	24	18.7	8.2	8.9	295		•
14	XDLRM14A	26.3	20.1	8.3	10.2	336	•	
15	XDLRM15A	27.8	21.5	8.3	10.9	349		•
16	XDLRM16A	28.4	22.6	9.8	11.2	362	•	
17	XDLRM17A	30.5	23.7	9.9	11.3	375		•
18	XDLRM18A	31.8	24.9	10.4	12.1	388	•	
19	XDLRM19A	32.4	26.3	10.9	12.1	401		•

Sets include storage bag.



XDLR705A

Ratcheting Box, 12° Offset, inches

Set Contains:

XDLR705A

12	12	A	B	C	D	E	12
5/16	XDLR10A	21/32	29/64	1/4	1/4	9-1/16	
3/8	XDLR12A	3/4	9/16	9/32	19/64	10-3/32	•
7/16	XDLR14A	27/32	39/64	5/16	11/32	10-39/64	•
1/2	XDLR16A	15/16	23/32	11/32	23/64	11-5/8	•
9/16	XDLR18A	1-1/32	13/16	11/32	13/32	13-1/4	•
5/8	XDLR20A	1-1/8	57/64	3/8	7/16	14-1/4	
11/16	XDLR22A	1-7/32	15/16	13/32	7/16	14-49/64	
3/4	XDLR24A	1-9/32	1-3/64	7/16	31/64	15-51/64	•

Sets include storage bag.



XDRE707

TORX® Ratcheting Box

Set Contains:

XDRE707

#	Stock No.	A	B	C	D	E	
E6	XDRE06	5/8	5/16	1/4	11/64	4-1/2	•
E7	XDRE07	5/8	5/16	1/4	13/64	4-7/8	•
E8	XDRE08	5/8	3/8	1/4	7/32	5-5/16	•
E10	XDRE10	21/32	7/16	1/4	1/4	5-25/32	•
E12	XDRE12	3/4	17/32	9/32	5/16	6-23/32	•
E14	XDRE14	27/32	5/8	31/32	11/32	7-3/16	•
E16	XDRE16	15/16	23/32	5/16	11/32	7-13/16	•
E18	XDRE18	1-1/32	13/16	5/16	13/32	8-5/8	
E20	XDRE20	1-1/8	7/8	3/8	7/16	9-9/16	
E24	XDRE24	1-9/32	1-1/32	7/16	15/32	11-9/16	

Sets include storage tray

- 180° flexible ratcheting head combined with narrow width and low-height profile of wrench head allows for access into the tightest of spaces
- Yoke/ tang combination utilizes well-established Snap-on® flex ratchet design for ultimate strength and durability
- Unique, patented ratcheting gear design is optimized to maximize ratcheting arc, strength, durability and access for the most balanced wrench available

- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- 18-tooth ratcheting gear utilizes key elements of Snap-on® Dual 180° Technology, minimizing swing arc when working in restricted spaces
- Flank Drive® box-end system grips fastener flats to deliver up to 15-20% more turning power with less risk of fastener damage

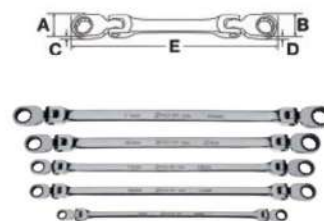
Flank Drive® Double Flex Ratcheting Box, mm

mm	12	A	B	C	D	E	12
6, 7	XFRM67	16	16	6.4	6.4	300	
8, 10	XFRM810A	16.9	19.1	9.8	10.4	330	•
9, 11	XFRM911A	18.2	21.1	6.8	7.6	365	
12, 14	XFRM1214	22.7	26.3	8.0	8.3	411	•
13, 15	XFRM1315	24.0	26.3	8.2	8.6	413	•
16, 18	XFRM1618A	28.4	31.8	10.0	10.4	432	•
17, 19	XFRM1719A	30.5	32.4	10.1	10.9	470	•

Set includes storage bag

Set Contains:

XFRM705



XFRM705

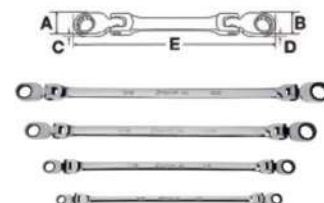
Flank Drive® Double Flex Ratcheting Box, inches

12	12	A	B	C	D	E	12
1/4, 11/32	XFR811	5/8	23/32	1/4	9/32	12	
5/16, 3/8	XFR1012	21/32	3/4	1/4	9/32	13	•
7/16, 1/2	XFR1416	27/32	15/16	5/16	11/32	14-5/8	•
9/16, 11/16	XFR1822	1-1/32	1-3/16	11/32	3/8	17	•
5/8, 3/4	XFR2024	1-1/8	1-9/32	13/32	7/16	18-7/16	•

Set includes storage bag

Set Contains:

XFR704



XFR704

REVERSIBLE RATCHETING COMBINATION Blue-Point®

Ratcheting Combination/ Standard Handle, 180° Offset, mm (Blue-Point®)

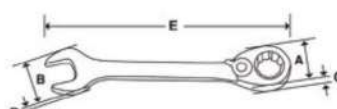
mm	12	A	B	C	D	E	12	12
6	BOERM6	16.3	16.3	6.6	3.6	114.3		
6	BOERM7	16.5	16.4	6.6	3.9	125		
8	BOERM8	17.8	17.7	6.5	4.0	135	•	
9	BOERM9	19.5	20.0	7.4	4.0	150	•	
10	BOERM10	21.5	21.9	8.0	5.0	160	•	
11	BOERM11	22.0	23.9	8.5	5.5	170	•	
12	BOERM12	23.5	25.0	9.0	5.5	175	•	
13	BOERM13	25.0	25.9	10.0	6.3	180	•	
14	BOERM14	27.0	29.9	10.0	6.5	190	•	
15	BOERM15	28.5	31.1	11.0	7.0	200	•	
16	BOERM16	30.5	33.6	11.0	7.0	210	•	
17	BOERM17	32.0	36.5	12.0	7.0	230	•	
18	BOERM18	34.5	38.5	12.0	8.0	240	•	
19	BOERM19	36.5	38.7	12.9	8.7	250	•	
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		•

Sets include storage tray

ASME® B107.100

Set Contains:

BOERM712



BOERM712



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

REVERSIBLE RATCHETING COMBINATION Blue-Point®



BOER708

Ratcheting Combination/ Standard Handle, Offset, inches (Blue-Point®)

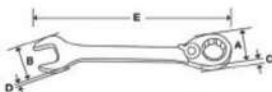
Set
Contains:

BOER708
BOER704

12	12	A	B	C	D	E	12	12
7/32	BOER7	5/8	21/32	1/4	5/32	4-1/2		
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	•	
11/32	BOER11	25/32	25/32	9/32	5/32	5-15/16		
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		•

Sets include storage tray

ASME® B107.100



BOERMS712

Ratcheting Combination/ Short Handle, Offset, mm (Blue-Point®)

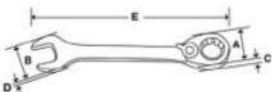
Set
Contains:

BOERMS712

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	•

Sets include storage tray

ASME® B107.100



BOERS708

Ratcheting Combination/ Short Handle, Offset, inches (Blue-Point®)

Set
Contains:

BOERS708

12	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	•

Sets include storage tray

ASME® B107.100

Flex Head Ratcheting Combination/Standard Handle,

Offset, mm (Blue-Point®)

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

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

Sets include storage tray

ASME® B107.100

Set Contains:

BOERMF712A



BOERMF712A

Flex Head Ratcheting Combination/Standard Handle,

Offset, inches (Blue-Point®)

	12	A	B	C	D	E	12
5/16	BOERF10A	11/16	11/16	1/4	5/32	5-19/32	•
3/8	BOERF12A	27/32	7/8	5/16	3/16	6-3/8	•
7/16	BOERF14A	7/8	15/16	11/32	7/32	6-3/4	•
1/2	BOERF16A	31/32	1-1/32	13/32	1/4	7-13/32	•
9/16	BOERF18A	1-1/16	1-3/16	13/32	1/4	7-23/32	•
5/8	BOERF20A	1-3/16	1-5/16	7/16	9/32	8-7/16	•
11/16	BOERF22A	1-1/4	1-7/16	15/32	9/32	8-31/32	•
3/4	BOERF24A	1-7/16	1-17/32	1/2	11/32	10-1/16	•

Sets include storage tray

ASME® B107.100

Set Contains:

BOERF708A



BOERF708A

Flex Head Ratcheting Combination/Midget Handle,

Offset, mm (Blue-Point®)

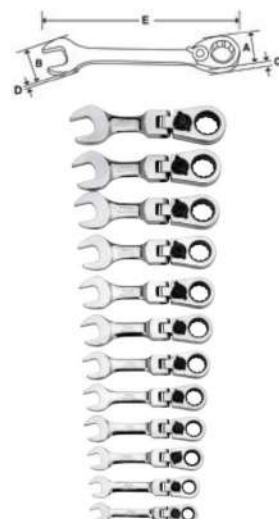
mm	12	A	B	C	D	E	12
8	BOERMSF8	17.8	17.7	6.5	4.0	94	•
9	BOERMSF9	19.5	20.0	7.4	4.0	98	•
10	BOERMSF10	21.5	21.9	8	5	103	•
11	BOERMSF11	22	23.9	8.5	5.5	108	•
12	BOERMSF12	23.5	25	9	5.5	111	•
13	BOERMSF13	25	25.9	10	6.3	115	•
14	BOERMSF14	27	29.9	10	6.5	120	•
15	BOERMSF15	28.5	31.1	11	7	124	•
16	BOERMSF16	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	•

Sets include storage bag.

ASME® B107.100

Set Contains:

BOERMSF712



BOERMSF712



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

REVERSIBLE RATCHETING COMBINATION Blue-Point®



BOERSF708

Flex Head Ratcheting Combination/Midget Handle,
Offset, inches (Blue-Point®)

Set
Contains:

	12	A	B	C	D	E	12
5/16	BOERSF 10	11/16	11/16	1/4	5/32	3-11/16	•
3/8	BOERSF 12	27/32	7/8	5/16	3/16	4-1/16	•
7/16	BOERSF 14	7/8	15/16	11/32	7/32	4-1/4	•
1/2	BOERSF 16	31/32	1-1/32	13/32	1/4	4-17/32	•
9/16	BOERSF 18	1-1/16	1-3/16	13/32	1/4	4-23/32	•
5/8	BOERSF 20	1-3/16	1-5/16	7/16	9/32	5-1/32	•
11/16	BOERSF 22	1-1/4	1-7/16	15/32	9/32	5-1/4	•
3/4	BOERSF 24	1-7/16	1-17/32	1/2	11/32	5-25/32	•

Sets include storage bag.

ASME® B107.100

RATCHETING WRENCH ADAPTORS



RWA2

Ratcheting Wrench Adaptors

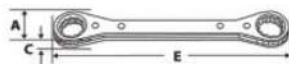
- Converts a ratcheting wrench into a ratchet
- Used with reversible ratcheting box wrenches, such as the SOXRR, SOXRRM, BOERM, BOERMF and BOERMS Series
- Can be used with the combination ratcheting box wrenches such as the SOXR, SOXRM, OXR, OXRM, OXKR, and OXKRM series
- Reverse lever on wrench is used to secure or remove adaptor from the wrench
- Push button on adaptor is used to release the socket

Stock No.	Configuration	Use with Ratcheting Wrench Size
RWA1	1/4" Drive	13
RWA2	3/8" Drive	16
RWA3	1/2" Drive	19
RWA4	1/4" Hex	13
RWA1FR	1/4" Drive	1/2
RWA2FR	3/8" Drive	5/8
RWA3FR	1/2" Drive	3/4
RWA4FR	1/4" Hex	1/2

RATCHETING BOX

Standard Handle Spline, inches

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- and MIL-W-. The unique spline wrenching configuration can also be used on ordinary - and -point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



RES2630C

		Stock No.	A	C	E	Gear Teeth
#8-10 (1/4-5/16")	1/4-5/16	RES810C†	19/32-43/64	3/8	4-1/2	14-15
#12-14 (3/8-7/16")	3/8-7/16	RES1214C†	1-1/64-1-5/32	1/2	6-7/8	17-18
#18-20 (9/16-5/8")	9/16-5/8	RES1820C†	1-19/64-1-7/16	1/2	8-1/8	19-21
#26-30 (13/16-15/16")	13/16-15/16	RES2630C†	1-13/32-1-37/64	1/2	9-1/4	21-24

Standard Handle, □ Offset, mm

mm	6	12	A	C	E
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



RBM1213C

Standard Handle, □ Offset, inches

Set Contains:

mm	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	

Sets include storage tray



RB604C

T-Handle, mm

Set Contains:

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



RTBM605

T-Handle, inches

Set Contains:

mm	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	•

Sets include storage tray



RTB607



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

RATCHETING BOX Blue Point®

Reversible/Standard Handle,
Offset, mm (Blue-Point®)Set
Contains:

BXORM706

mm	12	A	C	E	12
8-9	BXORM89	18.0-19.3	6.4-7.6	184.2	•
10-11	BXORM10 11	21.8-22.1	8.1-8.6	203.2	•
12-13	BXORM12 13	23.6-24.6	8.9-10.2	222.3	•
14-15	BXORM14 15	27.2-28.7	10.2-10.9	241.3	•
16-17	BXORM16 17	31.0-32.0	10.9-11.9	260.4	•
18-19	BXORM18 19	34.5-36.8	12.2-13.2	279.4	•

Set includes storage tray

Reversible/Standard Handle,
Offset, inches (Blue-Point®)Set
Contains:

BXOR704

12	12	A	C	E	12
5/16-3/8	BXOR10 12	23/32-7/8	1/4-5/16	7-1/2	•
7/16-1/2	BXOR14 16	7/8-31/32	11/32-11/32	8-3/4	•
9/16-5/8	BXOR18 20	1-1/16-1-7/32	13/32-7/16	9-3/4	•
11/16-3/4	BXOR22 24	1-9/32-1-7/16	15/32-1/2	11	•

Set includes storage tray

Standard Handle, Offset,
mm (Blue-Point®)Set
Contains:

RBYAM605

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

Reversible/Standard Handle,
Offset, inches (Blue-Point®)Set
Contains:

RBYA605

12	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	•
9/16-3/4	RYA1824 [†]	1-9/32-1-7/16	1/2	8	•
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

Latch-on® Head, ° Offset, mm (Blue-Point®)

Set Contains:

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	•

Sets include storage tray

Latch-on® Head, ° Offset, inches (Blue-Point®)

Set Contains:

in	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	•

Sets include storage tray



RBZM605



RBZ605

LOCKING FLEX HEAD REVERSIBLE RATCHETING BOX Blue Point®

Locking Flex Head Ratcheting Box/Cushion Grip, mm (Blue-Point®)

Set Contains:

mm	12	A	B	C	D	12
8	BOERMFLOG8	17.8	6.55	32	228	•
9	BOERMFLOG9	19.5	7.45	34	229	•
10	BOERMFLOG10	21.5	8.05	38	233	•
11	BOERMFLOG11	22	8.55	40	235	•
12	BOERMFLOG12	23.5	9.05	42	285	•
13	BOERMFLOG13	25	10.05	45	287	•
14	BOERMFLOG14	27	10.05	48	289	•
15	BOERMFLOG15	28.5	11.05	52	293	•
16	BOERMFLOG16	30.5	11.05	54	347	•
17	BOERMFLOG17	32	12.05	56	348	•
18	BOERMFLOG18	34.5	12.05	60	352	•
19	BOERMFLOG19	36.5	12.95	64	354	•

Set includes storage bag

ASME® B107.100



BOERMFLOG712

Locking Flex Head Ratcheting Box/Cushion Grip, inches (Blue-Point®)

Set Contains:

in	12	A	B	C	D	12
5/16	BOERFLOG10	23/32	1/4	1-1/4	9	•
3/8	BOERFLOG12	27/32	5/16	1-1/2	9-1/4	•
7/16	BOERFLOG14	7/8	11/32	1-9/16	9-19/32	•
1/2	BOERFLOG16	31/32	13/32	1-25/32	11-9/32	•
9/16	BOERFLOG18	1-1/16	13/32	1-29/32	11-3/8	•
5/8	BOERFLOG20	1-7/32	7/16	2-1/8	13-21/32	•
11/16	BOERFLOG22	1-1/4	15/32	2-7/32	13-23/32	•
3/4	BOERFLOG24	1-7/16	1/2	2-17/32	13-15/16	•

Set includes storage bag

ASME® B107.100



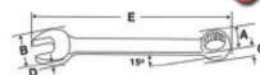
BOERFLOG708



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



SOEXM710



SOEXM02FMBR

Standard Handle, mm

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.

- **FLANK DRIVE® PLUS WRENCHING SYSTEM:** Provides flat-to-flat contact with fasteners; prevents slipping and rounding of fasteners; up to 100% more turning power and strength
- **LEVERAGE:** Longer length is sized for optimum comfort and balance; increased leverage, comfort and balance
- **ACCESSIBLE:** Handle is offset 15° from the box end for maximum knuckle clearance and increased access in any space
- **VERSATILE:** 15° rotation away from handle; wrench can be flipped for a better grip in tight spaces

- **POWERFUL:** Continuous arc design; distributes stress evenly, wrench end will not spread or widen
- **STRONG:** Manufactured from special alloy steel; precision-forged, cold formed and heat treated; nickel-chrome plating; optimum corrosion protection, strength and durability
- **FLANK DRIVE® WRENCHING SYSTEM:** Provides flat-to-flat contact with fasteners; prevents slipping and rounding of fasteners; providing up to 100% more turning power and strength

Set Contains:											
							SOEXM710*	SOEXM707*	SOEXM705**	SOEXM01FMBR^	SOEXM02FMBR^
mm	12	A	B	C	D	E	12	12	12	12	12
8	SOEXM7	11	15	5	4	135				•	
9	SOEXM8	13	17	6	4	146				•	
10	SOEXM9	14	19	6	5	159				•	
11	SOEXM10	15	21	7	5	171	•	•		•	
12	SOEXM11	17	23	8	6	184	•	•		•	
13	SOEXM12	18	25	8	6	195	•	•		•	
14	SOEXM13	20	27	9	6	207	•	•		•	
15	SOEXM14	21	29	9	7	219	•	•		•	
16	SOEXM15	22	31	10	7	231	•	•		•	
17	SOEXM16	24	33	10	7	242	•			•	
18	SOEXM17	25	35	11	8	255	•	•		•	
19	SOEXM18	27	37	12	8	267	•			•	
20	SOEXM19	28	39	12	9	279	•			•	
21	SOEXM20	30	41	13	9	292			•		•
22	SOEXM21	31	43	13	9	304			•		•
23	SOEXM22	33	46	14	10	318			•		•
24	SOEXM23	34	47	14	10	327			•		•
25	SOEXM24	35	49	15	11	337			•		•
	SOEXM25	37	52	16	11	356					•

*Sets include storage tray
**Sets include storage bag

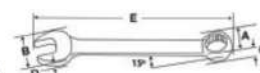
^Sets include foam organizer
ASME® B107.100



SOEXM710



SOEX01FMBR



Standard Handle, inches

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 the user's hand. Tough, durable nickel-chrome plating produces a mirror-like finish that helps protect against corrosion and makes it easy to wipe clean.

styles and sizes. Just like all Snap-on® wrenches, they are sized for optimum comfort and balance in the user's hand. Tough, durable nickel-chrome plating produces a mirror-like finish that helps protect against corrosion and makes it easy to wipe clean.

		A	B	C	D	E	Set Contains:					
							SOEX710*	SOEX707*	SOEX703K1**	SOEX704**	SOEX01FMBR*	SOEX02FMBR*
												
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	9/32	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			•			

*Sets include storage tray

**Sets include storage bag

^Sets include foam organizer

ASME® B107.100

Standard Handle, Metric and SAE Master Foam Set

Stock No.	Description
SOEXFSET1BR	38 pc 12-Point Flank Drive® Plus Combination Wrench Master Foam Set

Sets shown include foam organizer.

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



SOEXFSET1BR



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

SOEXLM710B
Set Contains:


SOEXLM710B

Long Handle, mm

mm	12	A	B	C	D	E	12
10	SOEXLM10B	15	21	7	5	186	•
11	SOEXLM11B	17	23	8	6	204	•
12	SOEXLM12B	18	25	8	6	218	•
13	SOEXLM13B	20	27	9	6	234	•
14	SOEXLM14B	21	29	9	7	250	•
15	SOEXLM15B	22	31	10	7	266	•
16	SOEXLM16B	24	33	10	7	280	•
17	SOEXLM17B	25	35	11	8	298	•
18	SOEXLM18B	27	37	12	8	314	•
19	SOEXLM19B	28	39	12	9	331	•

Set includes storage tray

SOEXL707B
Set Contains:


SOEXL707B

Long Handle, inches

in	12	A	B	C	D	E	12
3/8	SOEXL12B	19/32	25/32	1/4	3/16	7	•
7/16	SOEXL14B	21/32	29/32	9/32	7/32	8	•
1/2	SOEXL16B	3/4	1-1/16	11/32	1/4	9	•
9/16	SOEXL18B	27/32	1-5/32	3/8	9/32	10	•
5/8	SOEXL20B	15/16	1-5/16	13/32	9/32	11	•
11/16	SOEXL22B	1-1/32	1-13/32	7/16	5/16	12	•
3/4	SOEXL24B	1-1/8	1-9/16	15/32	11/32	13	•
13/16	SOEXL26B	1-3/16	1-21/32	17/32	3/8	14	•
7/8	SOEXL28B	1-9/32	1-13/16	9/16	3/8	15	•
15/16	SOEXL30B	1-3/8	1-29/32	19/32	13/32	16	•
1	SOEXL32B	1-15/32	2-1/32	5/8	7/16	17	•

Set includes storage tray



SOEXM150

Short Handle, mm

mm	12	A	B	C	D	E
10	SOEXM100	15	21	7	5	133
11	SOEXM110	17	23	8	6	138
12	SOEXM120	18	25	8	6	143
13	SOEXM130	20	27	9	6	148
14	SOEXM140	21	29	9	7	152
15	SOEXM150	22	31	10	7	157
17	SOEXM170	25	35	11	8	167



OSHM713



OSHM707B



OEXM713B



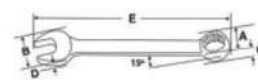
OEXM710B



OEXM707B



OEXM706



Standard Handle, mm

Set
Contains:

mm	6	12	A	B	C	D	E	6	6	12	12	12	12	12	12	12	12
7	OSHM70B	—	11	15	5	4	135	•									
8	OSHM80B	OEXM80B	13	17	6	4	146	•		•	•						
9	OSHM90B	OEXM90B	14	19	6	5	159	•		•	•						
10	OSHM100B	OEXM100B	15	21	7	5	171	•	•	•	•	•	•	•	•		
11	OSHM110B	OEXM110B	17	23	8	6	184	•	•	•	•	•	•	•	•		
12	OSHM120B	OEXM120B	18	25	8	6	195	•	•	•	•	•	•	•	•		
13	OSHM130B	OEXM130B	20	27	9	6	207	•	•	•	•	•	•	•	•		
14	OSHM140B	OEXM140B	21	29	9	7	219	•	•	•	•	•	•	•	•		
15	OSHM150B	OEXM150B	22	31	10	7	231	•	•	•	•	•	•	•	•		
16	OSHM160B	OEXM160B	24	33	10	7	242	•		•	•	•	•	•			
17	OSHM170B	OEXM170B	25	35	11	8	255	•	•	•	•	•	•	•	•		
18	OSHM180B	OEXM180B	27	37	12	8	267	•		•	•	•	•	•			
19	OSHM190B	OEXM190B	28	39	12	9	279	•		•	•	•	•	•	•		
20	—	OEXM200B	30	41	13	9	292			•	•	•	•			•	
21	—	OEXM210B	31	43	13	9	304			•	•	•				•	
22	—	OEXM220B	33	46	14	10	318			•	•	•				•	
23	—	OEXM230B	34	47	14	10	327			•	•					•	
24	—	OEXM240B	35	49	15	11	337			•	•					•	
25	—	OEXM250B	37	52	16	11	356			•	•						•
26	—	OEXM260B	38	53	16	11	363			•	•						•
27	—	OEXM270B	39	55	17	12	375			•	•						•
28	—	OEXM280B	40	56	17	12	375										•
29	—	OEXM290B	42	58	18	12	394			•	•						•
30	—	OEXM300B	44	61	19	13	413			•	•						•
32	—	OEXM320B	46	65	19	14	432			•	•						
34	—	OEXM340B	48	68	19	14	452			•							
36	—	OEXM360B	53	74	22	15	489			•							

*Sets include storage tray
**Sets include storage bag

ASME®/ANSI® B107.100



• Read Safety Precautions on pages W1–W4

FLANK DRIVE® COMBINATION



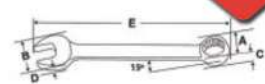
OSH711B



OEX707B



OEX704B



Standard Handle, inches

Set Contains:

	6	12	A	B	C	D	E	6	6	12	12	12	12	12	12	12	12	12	12
1/4	—	OEX8B	13/32	17/32	3/16	5/32	5												
5/16	OSH10B	OEX10B	1/2	21/32	7/32	5/32	5-3/4												
11/32	OSH11B	OEX11B	17/32	3/4	1/4	3/16	6-1/8												
3/8	OSH12B	OEX12B	19/32	25/32	5/16	3/16	6-1/2												
7/16	OSH14B	OEX14B	21/32	29/32	5/16	7/32	7-1/4												
1/2	OSH16B	OEX16B	3/4	1-1/16	11/32	1/4	8												
9/16	OSH18B	OEX18B	27/32	1-3/16	3/8	9/32	8-3/4												
5/8	OSH20B	OEX20B	15/16	1-5/16	13/32	9/32	9-1/2												
11/16	OSH22B	OEX22B	1-1/32	1-13/32	7/16	5/16	10-1/4												
3/4	OSH24B	OEX24B	1-1/8	1-9/16	15/32	11/32	11												
13/16	OSH26B	OEX26B	1-3/16	1-21/32	17/32	3/8	11-3/4												
7/8	OSH28B	OEX28B	1-9/32	1-13/16	9/16	3/8	12-1/2												
15/16	OSH30B	OEX30B	1-3/8	1-29/32	19/32	13/32	13-1/4												
1	OSH32B	OEX32B	1-15/32	2-1/32	21/32	7/16	14												
1-1/16	—	OEX34B	1-9/16	2-3/16	11/16	15/32	14-3/4												
1-1/8	—	OEX36B	1-5/8	2-5/16	11/16	17/32	15-7/16												
1-3/16	—	OEX38B	1-3/4	2-7/16	3/4	1/2	16-5/16												
1-1/4	—	OEX40B	1-13/16	2-9/16	3/4	17/32	17-1/16												
1-5/16	—	OEX42B	1-29/32	2-21/32	3/4	9/16	17-13/16												
1-3/8	—	OEX44B	2	2-13/16	3/4	19/32	18-9/16												
1-7/16	—	OEX46B	2-1/16	2-29/32	7/8	19/32	19-1/32												
1-1/2	—	OEX48B	2-5/32	3-1/16	7/8	5/8	20-1/16												
1-9/16	—	OEX50B	2-1/4	3-3/16	7/8	23/32	20-13/16												
1-5/8	—	OEX52B	2-11/32	3-11/32	7/8	11/16	21-9/16												
1-11/16	—	OEX54A	2-7/16	3-13/32	7/8	23/32	22-9/32												
1-3/4	—	OEX56A	2-17/32	3-9/16	1-1/32	23/32	22-7/8												
1-13/16	—	OEX58A	2-5/8	3-21/32	1-1/32	3/4	23-15/32												
1-7/8	—	OEX60A	2-11/32	3-13/16	1-1/32	25/32	24-1/32												
2	—	OEX64A	2-7/8	4-1/16	1-1/32	27/32	25-1/4												

*Sets include storage tray

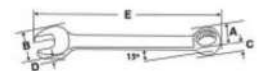
**Sets include storage bag

ASME/ANSI B107.100

OEX32B–OEX52B are full polished chrome. OEX54A–OEX64A are satin finish chrome.



GOEXM715



Standard Handle, mm, Industrial

Set Contains:

mm	12	A	B	C	D	E	12
10	GOEXM100B	15	21	7	5	171	•
11	GOEXM110B	17	23	8	6	184	•
12	GOEXM120B	18	25	8	6	195	•
13	GOEXM130B	20	27	9	6	207	•
14	GOEXM140B	21	29	9	7	219	•
15	GOEXM150B	22	31	10	7	231	•
16	GOEXM160B	24	33	10	7	242	•
17	GOEXM170B	25	35	11	8	255	•

Set Contains:

mm	12	A	B	C	D	E	12
18	GOEXM180B	27	37	12	8	267	•
19	GOEXM190B	28	39	12	9	279	•
20	GOEXM200B	30	41	13	9	292	•
21	GOEXM210B	31	43	13	10	304	•
22	GOEXM220B	33	46	14	10	318	•
23	GOEXM230B	34	47	14	10	327	•
24	GOEXM240B	35	49	15	11	337	•
27	GOEXM270B	39	55	17	12	375	•

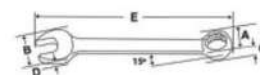
ASME/ANSI B107.100



GOEX722K



GOEX711B



GOEX56A



GOEX1100A

Standard Handle, inches, Industrial

	12	Set Contains:					12			
		A	B	C	D	E	GOEX722K**	GOEX714KB**	GOEX711B*	GOEX707B*
5/16	GOEX10B	1/2	21/32	7/32	5/32	5-3/4	•			
3/8	GOEX12B	19/32	13/16	5/16	3/16	6-1/2	•	•	•	•
7/16	GOEX14B	21/32	29/32	5/16	7/32	7-1/4	•	•	•	•
1/2	GOEX16B	3/4	1-1/16	11/32	1/4	8	•	•	•	•
9/16	GOEX18B	27/32	1-3/16	3/8	9/32	8-3/4	•	•	•	•
5/8	GOEX20B	15/16	1-5/16	13/32	9/32	9-1/2	•	•	•	•
11/16	GOEX22B	1-1/32	1-13/32	7/16	5/16	10-1/4	•	•	•	•
3/4	GOEX24B	1-1/8	1-9/16	15/32	11/32	11	•	•	•	•
13/16	GOEX26B	1-3/16	1-21/32	17/32	3/8	11-3/4	•	•	•	
7/8	GOEX28B	1-9/32	1-13/16	9/16	3/8	12-1/2	•	•	•	
15/16	GOEX30B	1-3/8	1-29/32	19/32	13/32	13-1/4	•	•	•	
1	GOEX32B	1-15/32	2-1/32	21/32	7/16	14	•	•	•	
1-1/16	GOEX34B	1-9/16	2-3/16	11/16	15/32	14-3/4	•	•		
1-1/8	GOEX36B	1-5/8	2-5/16	11/16	17/32	15-7/16	•	•		
1-3/16	GOEX38B	1-3/4	2-7/16	3/4	1/2	16-5/16	•			
1-1/4	GOEX40B	1-13/16	2-9/16	3/4	17/32	17-1/16	•	•		
1-5/16	GOEX42B	1-29/32	2-21/32	3/4	9/16	17-13/16	•			
1-3/8	GOEX44B	2	2-13/16	3/4	19/32	18-9/16	•			
1-7/16	GOEX46B	2-1/16	2-29/32	7/8	19/32	19-1/32	•			
1-1/2	GOEX48B	2-5/32	3-1/16	7/8	5/8	20-1/16	•			
1-9/16	GOEX50B	2-1/4	3-3/16	7/8	23/32	20-13/16	•			
1-5/8	GOEX52B	2-11/32	3-11/32	7/8	11/16	21-9/16	•			
1-3/4	GOEX56A	2-17/32	3-9/16	1-1/32	23/32	22-7/8				
1-13/16	GOEX58A	2-5/8	3-21/32	1-1/32	3/4	23-15/32				
1-7/8	GOEX60A	2-11/32	3-13/16	1-1/32	25/32	24-1/32				
2	GOEX64A	2-7/8	4-1/16	1-1/32	27/32	25-1/4				
2-1/16	GOEX66A	2-31/32	4-5/32	1-1/8	27/32	25-25/32				
2-1/8	GOEX68A	3-1/16	4-5/16	1-5/32	7/8	26-3/8				
2-3/16	GOEX70A	3-1/8	4-13/32	1-1/8	7/8	26-31/32				
2-1/4	GOEX72A	3-7/32	4-9/16	1-1/8	15/16	27-9/16				
2-3/8	GOEX76A	3-13/32	4-13/16	1-9/32	31/32	28-3/4				
2-1/2	GOEX80A	3-19/32	5-1/16	1-9/32	1	29-29/32				
2-5/8	GOEX84A	4-7/8	6-5/8	1-5/8	1-3/16	32				
2-3/4	GOEX88A	4-7/8	6-5/8	1-5/8	1-3/16	32				
2-7/8	GOEX92A	4-7/8	6-5/8	1-5/8	1-3/16	32				
2-15/16	GOEX94A	4-7/8	6-5/8	1-5/8	1-3/16	32				
3	GOEX96A	4-7/8	6-5/8	1-5/8	1-3/16	32				
3-1/8	GOEX1100A	4-7/8	6-5/8	1-5/8	1-3/16	32				
3-3/8	GOEX1108A	4-7/8	6-5/8	1-5/8	1-3/16	32				
3-1/2	GOEX1112A	4-7/8	6-5/8	1-5/8	1-3/16	32				

*Sets include storage tray

**Sets include storage bag

ASME® B107.100

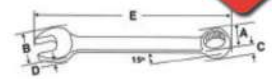


- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® COMBINATION



OEMLM710B



OEXL707B

Long Handle, mm

Set Contains:

mm	12	A	B	C	D	E	12	12
10	OEMLM10B	15	21	7	5	186	•	•
11	OEMLM11B	17	23	8	6	203	•	•
12	OEMLM12B	18	25	8	6	218	•	•
13	OEMLM13B	20	27	9	6	234	•	•
14	OEMLM14B	21	29	9	7	250	•	•
15	OEMLM15B	22	31	10	7	266	•	•
16	OEMLM16B	24	33	10	7	282	•	•
17	OEMLM17B	25	35	11	8	298	•	•
18	OEMLM18B	27	37	12	8	314	•	•
19	OEMLM19B	28	39	12	9	330	•	•

Sets include storage tray

ASME® B107.100

Long Handle, inches

Set Contains:

in	12	A	B	C	D	E	12	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	•	•

Set includes storage tray

ASME® B107.100



GOEXM17B



OEXSM710B

Short Handle, mm

Set Contains:

mm	12	12	A	B	C	D	E	12	12	12
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	•	•	•

*Set includes storage tray

**Sets include storage bag

ASME® B107.100



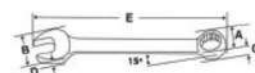
GOEX280B

Short Handle, inches

Short Handle, inches	Set Contains:			A	B	C	D	E	12	12	12
	12	12	12								
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	•	•	•	
5/8	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	•	•	•	

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



OEXS715K



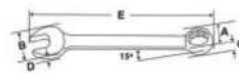
OEXS709B

Midget, mm

Midget, mm	Set Contains:			A	B	C	D	E	6	12
	6	12	12							
4	OXIM4SB	—	7	10	4	3	72	•	•	
5	OXIM5SB	—	8	12	4	3	76	•	•	
5.5	OXIM55SB	—	9	13	4	4	79	•	•	
6	OXIM6SB	OXIM6B	10	13	5	4	81	•	•	
7	OXIM7SB	OXIM7B	11	15	5	4	85	•	•	
8	OXIM8SB	OXIM8B	13	17	6	4	89	•	•	
9	OXIM9SB	OXIM9B	14	19	6	5	93	•	•	
10	—	OXIM10B	15	21	7	5	98	•	•	
11	—	OXIM11B	17	23	8	6	102	•	•	
12	—	OXIM12B	18	25	8	6	106	•	•	
13	—	OXIM13B	20	27	9	6	110	•	•	
14	—	OXIM14B	21	29	9	7	115	•	•	
15	—	OXIM15B	22	31	10	7	119	•	•	
16	—	OXIM16B	24	33	10	7	122	•	•	
17	—	OXIM17B	25	35	11	8	127	•	•	
18	—	OXIM18B	27	37	12	8	131	•	•	
19	—	OXIM19B	28	39	12	9	136	•	•	

*Sets include storage tray
**Sets include storage bag

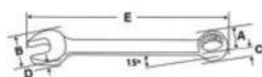
ASME® B107.100



OXIM707SBK



• Read Safety Precautions on pages W1-W4



Midget, inches



OXI709SBK

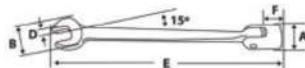
	6	12	A	B	C	D	E	6	12	12
1/8	OXI4SB	—	7/32	11/32	1/8	1/8	2-11/16	•		
5/32	OXI5SB	—	9/32	13/32	5/32	1/8	2-27/32	•		
3/16	OXI6SB	OXI6B	5/16	7/16	5/32	1/8	2-31/32	•	•	
7/32	OXI7SB	OXI7B	3/8	1/2	3/16	1/8	3-3/32	•	•	
1/4	OXI8SB	OXI8B	13/32	17/32	3/16	5/32	3-7/32	•	•	
9/32	OXI9SB	OXI9B	7/16	19/32	7/32	5/32	3-11/32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

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



FHOM606B



FHOM606B

Flex Combination, mm

Set Contains:

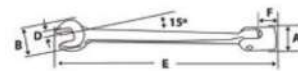
mm	12	A	B	D	E	F	12
8	FHOM8B	12	17	5	146	6	
9	FHOM9B	13	18	5	156	6	
10	FHOM10B	14	20	5	166	6	•
11	FHOM11B	16	23	6	181	7	
12	FHOM12B	17	30	6	198	9	•
13	FHOM13B	19	27	7	205	9	•
14	FHOM14B	20	30	7	213	9	•
15	FHOM15B	21	31	7	224	10	•
16	FHOM16B	23	33	7	229	10	
17	FHOM17B	24	37	8	246	10	•
18	FHOM18B	24	38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

Set includes storage tray

ASME® B107.100



FHO607B



FHO607B

Flex Combination, inches

Set Contains:

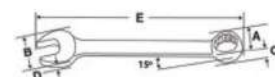
	12	A	B	D	E	F	12
1/4	FHO8B	3/8	17/32	1/8	4-15/16	7/32	
5/16	FHO10B	15/32	21/32	3/16	5-31/32	1/4	
3/8	FHO12B	9/16	17/32	7/32	6-1/2	1/4	•
7/16	FHO14B	5/8	29/32	7/32	7-1/8	9/32	•
1/2	FHO16B	23/32	1-1/16	1/4	7-13/16	11/32	•
9/16	FHO18B	25/32	1-3/16	9/32	8-3/8	11/32	•
5/8	FHO20B	29/32	1-5/16	9/32	9	3/8	•
11/16	FHO22B	1	1-7/16	9/32	9-11/16	13/32	•
3/4	FHO24B	1-1/32	1-1/2	5/16	10-1/4	15/32	•
13/16	FHO26B	1-1/32	1-23/32	5/16	10-5/16	1/2	
7/8	FHO28B	1-3/16	1-27/32	5/16	10-15/32	9/16	

Set includes storage tray

ASME® B107.100



WOEX90B



British Standard, Short Handle

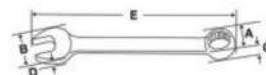
BS	Decimal Equivalent, inches	12	A	B	C	D	E
3/16"	.338	WOEX6B	25/32	19/32	3/16	1/4	5-3/32
1BA	.365	WOEX70B	25/32	19/32	3/16	1/4	5-1/8
0BA	.413	WOEX80B	29/32	21/32	7/32	5/16	5-13/32
1/4"	.445	WOEX90B	29/32	21/32	7/32	5/16	5-15/32
5/16"	.525	WOEX100B	1-5/32	27/32	9/32	3/8	6-1/32
3/8	.6	WOEX110B	1-5/16	15/16	9/32	13/32	6-11/32
7/16"	.710	WOEX120B	1-5/16	1-1/32	5/16	7/16	6-23/32

Short Handle, inches

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-□□□□ and MIL-W-□□□□. The unique spline wrenching configuration can also be used on ordinary □- and □-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



OES18B

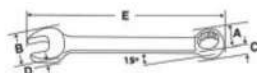


□	□	A	B	C	D	E
1/4	OES8B	13/32	17/32	1/8	5/32	4-1/2
5/16	OES10B	15/32	21/32	11/64	15/64	4-55/64
3/8	OES12B	17/32	25/32	13/64	17/64	5-7/32
7/16	OES14B	5/8	29/32	15/64	5/16	5-27/64
1/2	OES16B	23/32	1-1/16	1/4	5/16	5-47/64
9/16	OES18B	13/16	1-3/16	17/64	21/64	6-1/32
5/8	OES20B	7/8	1-5/16	9/32	11/32	6-5/16
11/16	OES22B	31/32	1-7/16	19/64	23/64	6-39/64
3/4	OES24B	1-1/16	1-9/16	5/16	3/8	6-29/32

COMBINATION □Blue-Point® □



BLPCWSM712B



BLPCWSM712B

Standard Handle, mm (Blue-Point®)

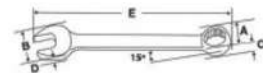
Set Contains:

mm	Stock No.	A	B	C	D	E	12
8	BLPCWM8B	13.5	17.8	6.0	4.7	139.5	•
9	BLPCWM9B	15.0	20.3	6.6	5.3	151.6	•
10	BLPCWM10B	16.5	21.6	7.2	5.7	162.7	•
11	BLPCWM11B	18.0	24.1	7.9	6.2	175.2	•
12	BLPCWM12B	19.5	25.3	8.5	6.8	185.6	•
13	BLPCWM13B	20.5	26.9	9.1	6.8	197.2	•
14	BLPCWM14B	22.5	30.4	9.7	7.2	208.5	•
15	BLPCWM15B	24.0	31.5	10.3	7.7	219.9	•
16	BLPCWM16B	25.0	33.1	10.8	7.7	230.0	•
17	BLPCWM17B	27.0	35.7	11.5	8.3	243.3	•
18	BLPCWM18B	28.5	37.4	12.1	8.7	254.1	•
19	BLPCWM19B	29.4	40.2	12.8	87.4	265.9	•

Set includes storage tray



BLPCW10B



BLPCWS711B

Standard Handle, inches (Blue-Point®)

Set Contains:

□	Stock No.	A	B	C	D	E	
1/4	BLPCW8B	7/16	19/32	13/64	11/64	4-49/64	
5/16	BLPCW10B	17/32	45/64	15/64	3/16	5-1/2	
3/8	BLPCW12B	5/8	55/64	9/32	7/32	6-3/16	•
7/16	BLPCW14B	45/64	61/64	5/16	1/4	6-57/64	•
1/2	BLPCW16B	13/16	1-1/16	23/64	17/64	7-49/64	•
9/16	BLPCW18B	57/64	1-13/64	3/8	9/32	8-13/64	•
5/8	BLPCW20B	63/64	1-5/16	27/64	5/16	9-1/16	•
11/16	BLPCW22B	1-5/64	1-27/64	15/32	21/64	9-49/64	•
3/4	BLPCW24B	1-5/32	1-37/64	1/2	11/32	10-15/32	•
13/16	BLPCW26B	1-9/32	1-43/64	35/64	25/64	11-3/16	•
7/8	BLPCW28B	1-23/64	1-39/64	37/64	13/32	11-59/64	•
15/16	BLPCW30B	1-29/64	1-15/16	5/8	27/64	12-5/8	•
1	BLPCW32B	1-33/64	2-3/64	21/32	7/16	13-21/64	•

Set includes storage tray

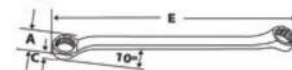
FLANK DRIVE® OFFSET BOX

Standard Handle, □° Offset, mm

Set Contains:

mm	6	12	A	C	E	12
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	

Set includes storage tray



XBM605A

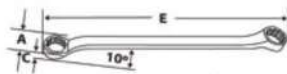


- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® OFFSET BOX



XB605A



Standard Handle,
11° Offset, inches

Set
Contains:

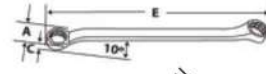
11°	12	A	C	E	12
3/8-7/16	XB1214A	9/16-21/32	5/16-11/32	7-19/32	•
7/16-1/2	XB1416A	21/32-3/4	5/16-11/32	7-15/16	•
1/2-9/16	XB1618A	3/4-13/16	11/32-3/8	8-11/16	•
9/16-5/8	XB1820A	13/16-29/32	13/32-7/16	9-13/32	•
5/8-11/16	XB2022A	29/32-1	7/16-15/32	10-5/32	•
11/16-3/4	XB2224A	1-1-1/16	15/32-1/2	10-15/16	•
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	•

Set includes storage tray

ASME® B107.100



XSM608A



Short Handle,
11° Offset, mm

Set
Contains:

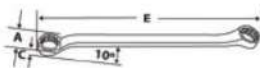
mm	12	A	C	E	12
6-7	XSM67A	9.6-10.9	5.7-6.2	86	•
8-9	XSM89A	12.3-13.7	6.7-7.2	103	•
8-10	XSM810	12.3-15	6.7-7.7	107	•
9-10	XSM910A	13.7-15	7.2-7.7	112	•
11-12	XSM1112A	16.4-17.7	8.3-8.8	128	•
13-14	XSM1314A	19.1-20.4	9.3-9.8	146	•
15-16	XSM1516A	21.8-23.1	10.2-10.9	163	•
17-19	XSM1719A	24.5-27.2	11.4-12.3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

Set includes storage tray

ASME® B107.100



XS609A



Short Handle,
11° Offset, inches

Set
Contains:

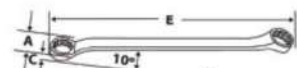
11°	12	A	C	E	12
3/16-7/32	XS67A	5/16-11/32	7/32-7/32	3-27/32	•
1/4-5/16	XS810A	13/32-15/32	1/4-9/32	4-1/4	•
5/16-3/8	XS1012A	15/32-9/16	9/32-5/16	4-9/16	•
3/8-7/16	XS1214A	9/16-21/32	5/16-11/32	4-29/32	•
7/16-1/2	XS1416A	21/32-3/4	11/32-11/32	5-3/16	•
1/2-9/16	XS1618A	3/4-13/16	3/8-3/8	5-17/32	•
9/16-5/8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

Set includes storage tray

ASME® B107.100



XID604KA



Midget,
11° Offset, inches

Set
Contains:

11°	12	A	C	E	12
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	•

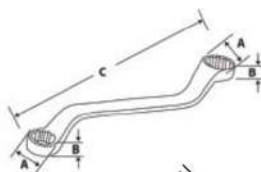
Sets include storage bag

ASME® B107.100

- Heads of XO, XOM and XSO Series are deeply offset at $\square\square^\circ$ to the handles for improved access to recessed fasteners
- Wrenches feature the $\square\square$ -point Flank Drive® configuration for strength and turning power



XOM605



Set Contains:

Standard Handle,
Deep $\square\square^\circ$ Offset, mm

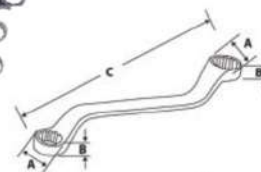
mm	12	A	B	C	12
8-10	XOM810	11.7-14.2	6.9-7.3	178.1	
9-10	XOM910	14.2-16.3	7.6	193.0	
10-11	XOM1011	15-16.3	7.6	193.0	•
12-14	XOM1214	15-20.3	9.0	210.0	•
13-14	XOM1314	18.8-21.2	8.9	223.3	
13-15	XOM1315	16.3-21.2	8.9	223.0	•
15-16	XOM1516	23.0-25.2	10.8	252.7	
16-18	XOM1618	17.7-25.4	10.8	253.0	•
17-19	XOM1719	17.7-27.4	11.1	260.0	•
18-20	XOM1820A	32.5-33.3	13.8	330.0	
20-21	XOM2021	32.5-33.3	13.7	329.6	
22-24	XOM2224	31.9-34.1	13.7	329.6	

Set includes storage tray

ASME® B107.100



XO605



Set Contains:

Standard Handle,
Deep $\square\square^\circ$ Offset, inches

12	12	A	B	C	12
1/4-5/16	XO810	25/64-15/32	1/4-5/16	6-27/64	
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	

Set includes storage tray

ASME®/ANSI® B107.6

Short Handle, Deep $\square\square^\circ$ Offset, inches

12	Stock No.	A	B	C
1/4-9/32	XSO89	13/32-7/16	3/16-7/32	3-7/8
1/4-5/16	XSO810A	3/8-7/16	3/16-7/32	4-5/32
3/8-7/16	XSO1214A	17/32-5/8	1/4-9/32	4-13/16
5/8-11/16	XSO2022	29/32-1	3/8-7/16	6-5/16
5/8-3/4	XSO2024A	7/8-1-1/16	3/16-7/32	6-1/2

ASME®/ANSI® B107.100



XSO1214A

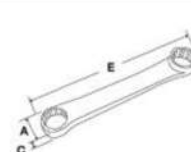
FLANK DRIVE® HIGH PERFORMANCE OFFSET BOX

Standard Handle, $\square^\circ$ Offset, mm

mm	12	A	C	E	12	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		•
9-11	XDHFM911	13.0-15.6	7.6-8.5	253		•
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		
13-15	XDHFM1315	20.1-21.5	9.8-10.9	323.5		•
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	•	
16-18	XDHFM1618	22.6-24.9	11.2-12.2	346.3		•
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		

Sets include storage tray

Set Contains:



XDHFM606



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® HIGH PERFORMANCE OFFSET BOX



Standard Handle, □° Offset, inches

Set Contains: XDFH605

	12	A	C	E	12
1/4-5/16	XDFH810	13/32-15/32	7/32-1/4	8-5/16	•
3/8-7/16	XDFH1214	17/32-5/8	5/16-11/32	10-1/16	•
1/2-9/16	XDFH1618	23/32-13/16	11/32-13/32	11-3/4	•
5/8-3/4	XDFH2024	7/8-1-1/32	7/16-15/32	13-5/8	•
11/16-13/16	XDFH2226	31/32-1-5/32	15/32-17/32	15-5/8	•

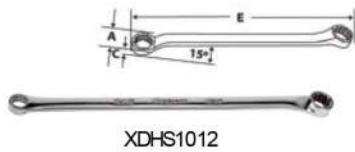
Set includes storage tray



Short Handle, □° Offset, 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

ASME®/ANSI® B107.5m



Short Handle, □° Offset, inches

	12	A	C	E
5/16-3/8	XDHS1012	31/64-9/16	1/4-5/16	7



Standard Handle, □° Offset, mm

Set Contains: XDHM606

	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



Standard Handle, □° Offset, inches

Set Contains: XDH605

	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	—	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	—	35/64-5/8	19/64-11/32	9-11/16	•
7/16-1/2	XDH1416A	—	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	•
9/16-5/8	XDH1820A	—	13/16-29/32	13/32-7/16	12-3/8	•
5/8-3/4	XDH2024A	—	57/64-1-3/64	7/16-31/64	13-9/32	•
11/16-3/4	XDH2224A	—	31/32-1-1/32	15/32-3/4	14-7/32	•
11/16-13/16	XDH2226A	—	63/64-1-9/64	31/64-17/32	15-5/32	•
3/4-7/8	XDH2428	—	1-3/64-1-1/64	31/64-37/64	15-3/4	•
25/32-7/8	XDH2528	—	1-5/64-1-13/64	35/64-37/64	16-5/64	•
15/16-1	XDH3032	—	1-5/16-1-25/64	37/64-39/64	15-1/2	•
1-1/16-1-1/4	XDH3440	—	1-31/64-1-47/64	5/8-23/32	18-1/4	•
1-1/4-1-5/16	XDH4042	—	1-47/64-1-13/16	23/32-47/64	19-1/4	•
1-1/4-1-3/8	XDH4044	—	1-47/64-1-15/16	23/32-49/64	20-1/4	•
1-1/4-1-7/16	XDH4046	—	1-47/64-2	23/32-51/64	21	•
1-7/16-1-1/2	XDH4648	—	2-2-1/16	51/64-13/16	22	•

Set includes storage tray

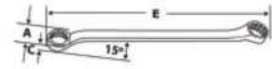
Aerospace Spec. AS954E

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-□□□□ and MIL-W-□□□□. The unique spline wrenching configuration can be used on ordinary □- and □□-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



XDES1618A



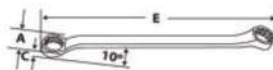
Box/Spline, □° Offset, inches

		Stock No.	A	C	E
#7-9 (7/32-9/32")	7/32-9/32	XDES79A	11/32-7/16	11/64-13/64	7-1/4
#8-10 (1/4-5/16")	1/4-5/16	XDES810A	3/8-15/32	3/16-7/32	8-1/16
#12-14 (3/8-7/16")	3/8-7/16	XDES1214A	35/64-41/64	5/16-11/32	9-3/4
#16-18 (1/2-9/16")	1/2-9/16	XDES1618A	3/4-13/16	3/8-3/8	11-7/16
#18-20 (9/16-5/8")	9/16-5/8	XDES1820A	13/16-57/64	25/64-13/32	12-3/8
#22-24 (11/16-3/4")	11/16-3/4	XDES2224A	31/32-1-5/64	0.438-0.525	14-1/4
#26-30 (13/16-15/16")	13/16-15/16	XDES2630A	1-5/32-1-5/16	1/2-9/16	16-3/16
#28-32 (7/8-1")	7/8-1	XDES2832A	1-1/4-1-7/16	17/32-37/64	17

TORX® BOX



XLE605



TORX®/Long Handle, □° Offset

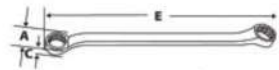
#		A	C	E	
E5-E6	XLE56	9/32-5/16	5/32-3/16	6-13/32	•
E7-E8	XLE78	11/32-3/8	7/32-7/32	7-7/32	•
E10-E12	XLE10 12A	15/32-17/32	1/4-5/16	8-7/8	•
E14-E16	XLE1416	5/8-23/32	11/32-11/32	10-7/16	•
E18-E20	XLE1820	13/16-7/8	13/32-7/16	12-3/8	•

Set includes storage tray

ASME® B107.100



ETX705



TORX®/Standard Handle, □° Offset

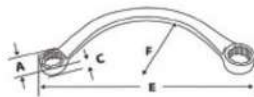
#		A	C	E	
E5-E6	ETX0506	17/64-5/16	5/32-11/64	4-41/64	•
E7-E8	ETX0708	21/64-3/8	7/32-15/64	5-15/32	•
E10-E12	ETX10 12	29/64-35/64	1/4-19/64	6-13/32	•
E14-E16	ETX1416	5/8-23/32	11/32-23/64	7-1/2	•
E18-E20	ETX1820	13/16-57/64	13/32-7/16	8-37/64	•

Set includes storage tray

FLANK DRIVE® SPECIALTY BOX



CXM605



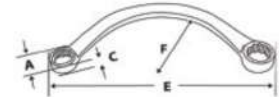
Half-Moon, mm

mm	12	A	C	E	F	12
10-12	CXM10 12	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	•

Set includes storage tray



CX605



Half-Moon, inches

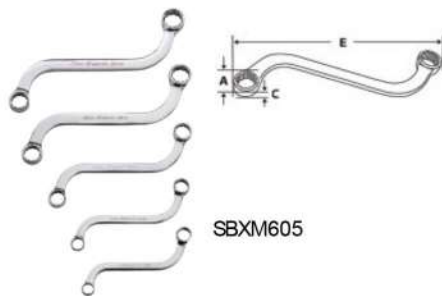
12	A	C	E	F	12
5/16-3/8	CX10 12	15/32-9/16	3/16-5/16	4-5/8	2-1/16
7/16-1/2	CX1416	5/8-23/32	5/16-5/16	5	2-7/32
9/16-5/8	CX1820	13/16-7/8	11/32-3/8	6-1/2	2-9/16
5/8-3/4	CX2024	7/8-1-7/32	13/32-7/16	7-3/4	3-1/16
11/16-13/16	CX2226	31/32-1-9/32	13/32-15/32	8-1/2	3-1/2
7/8-15/16	CX2830	1-1/4-1-11/32	9/16-9/16	10	4-1/16

Set includes storage tray



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® SPECIALTY BOX



SBXM605

S-Shaped, mm

mm	12	A	C	E	12
10-12	SBXM10 12	14-18	6-8	140	•
11-13	SBXM1113	16-19	7-8	155	•
14-15	SBXM14 15	21-22	9-9	190	•
16-18	SBXM16 18	24-27	10-11	173	•
17-19	SBXM17 19	25-28	10-12	240	•

Set includes storage tray

ASME® B107.100

Set Contains:

SBXM605



SBXM605

S-Shaped, inches

mm	12	A	C	E	12
5/16-3/8	SBX 10 12	15/32-9/16	9/16-7/32	3-3/4	•
7/16-1/2	SBX 14 16	21/32-3/4	9/32-5/16	5-5/16	•
9/16-5/8	SBX 18 20	27/32-15/16	11/32-11/32	6-7/8	•
11/16-3/4	SBX 22 24	1-1/32-1-1/8	11/32-11/32	8-7/16	•
13/16-7/8	SBX 26 28	1-7/32-1-5/16	17/32-9/16	10	•

Set includes storage tray

ASME® B107.100

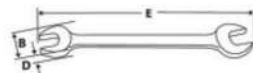
Set Contains:

SBXM605

OPEN END



VOM705



VO806B



Standard, mm

Set Contains:

VOM705

mm	Stock No.	B	D	E	
6-7	VOM67B	13-15	4-4	97	
7-8	VOM78B	15-17	4-4	106	
8-9	VOM89B	17-20	4-5	119	
8-10	VOM810B	17-21	4-5	121	
10-11	VOM10 11B	21-23	5-6	136	•
11-13	VOM1113B	23-27	6-6	151	
12-13	VOM12 13B	25-27	6-6	157	•
12-14	VOM12 14B	25-29	6-7	162	
14-15	VOM14 15B	29-31	7-7	178	•
16-18	VOM16 18B	33-37	7-8	205	•
17-19	VOM17 19B	35-38	8-9	216	•
19-22	VOM19 22B	39-46	9-10	245	
20-23	VOM20 23B	39-46	9-10	245	
21-24	VOM21 24B	43-49	9-10	267	
22-24	VOM22 24B	46-49	10-10	273	
25-27	VOM25 27B	49-55	10-11	302	
26-28	VOM26 28B	49-55	10-11	302	
27-30	VOM27 30B	55-61	11-12	338	
30-32	VOM30 32B	61-65	12-12	368	

Set includes storage tray

ASME®/ANSI® B107.100

Standard, inches

Set Contains:

VO806B*

mm	Stock No.	B	D	E	
3/16-1/4	VO68	13/32	9/64	3-13/32	
1/4-5/16	VO8 10 B	17/32-21/32	5/32-5/32	4-1/16	• •
5/16-3/8	VO10 12 B	21/32-25/32	5/32-3/16	4-21/32	•
3/8-7/16	VO12 14 B	25/32-29/32	3/16-7/32	5-5/16	• •
7/16-1/2	VO14 16 B	29/32-1-1/16	7/32-1/4	5-15/16	•
1/2-9/16	VO16 18 B	1-1/16-1-5/32	1/4-9/32	6-19/32	• •
9/16-5/8	VO18 20 B	1-5/32-1-5/16	9/32-9/32	7-9/32	•
5/8-11/16	VO20 22 B	1-5/16-1-13/32	9/32-5/16	7-15/16	• •
5/8-3/4	VO20 24 B	1-5/16-1-9/16	9/32-11/32	8-9/32	•
11/16-3/4	VO22 24 B	1-13/32-1-9/16	5/16-11/32	8-5/8	•
3/4-13/16	VO24 26 B	1-9/16-1-21/32	11/32-3/8	9-11/32	• •
3/4-7/8	VO24 28 B	1-9/16-1-13/16	11/32-3/8	9-21/32	•
13/16-7/8	VO26 28 B	1-21/32-1-13/16	3/8-3/8	10-1/32	•
7/8-15/16	VO28 30 B	1-13/16-1-29/32	3/8-13/32	10-3/4	• •
15/16-1	VO30 32 B	1-29/32-2-1/32	13/32-13/32	11-15/32	•
1-1-1/16	VO32 34 B	2-1/32-2-5/32	13/32-7/16	12-7/32	•
1-1/16-1-1/4	VO34 40 B	2-5/32-2-17/32	7/16-1/2	12-15/16	•
1-1/8-1-3/16	VO36 38 B	2-5/16-2-13/32	7/16-15/32	13-23/32	•
1-1/4-1-5/16	VO40 42 B	2-17/32-2-21/32	1/2-1/2	15-1/4	•
1-3/8-1-7/16	VO44 46 B	2-13/16-2-29/32	17/32-17/32	16-7/8	•
1-1/2-1-5/8	VO48 52 B	3-1/16-3-5/16	9/16-19/32	18-29/32	•

*Set includes storage tray

**Set includes storage bag

ASME®/ANSI® B107.100

Low Torque/ Slimline, $\square$ ° 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	•

Set includes storage bag

ASME®/ANSI® B107.100

Low Torque/ Slimline, $\square$ ° Offset, inches

	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	•

Sets include storage bag

ASME® B107.100

Ignition, $\square$ °/ $\square$ ° Offset, mm

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

Set includes storage bag

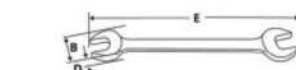
ASME®/ANSI® B107.100

Ignition, $\square$ °/ $\square$ ° Offset, inches

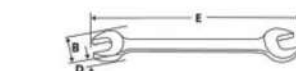
Stock No.	A	B	C	D	E	
DS88A	1/8	1/8	5/16-5/16	1/8	2-29/32	•
DS1010A	5/32	5/32	3/8-3/8	1/8	2-7/8	•
DS1212A	3/16	3/16	13/32-13/32	1/8	3-1/8	•
DS1516A	15/64	1/4	15/32-1/2	1/8	3-1/4	• •
DS1615A	1/4	15/64	1/2-15/32	1/8	3-13/32	• •
DS1820A	9/32	5/16	9/16-19/32	1/8	3-1/2	• •
DS2018A	5/16	9/32	19/32-9/16	1/8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

Sets include storage bag

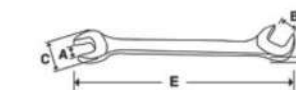
ASME®/ANSI® B107.100



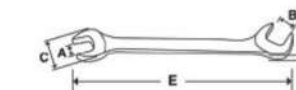
LTAM811



LTA805K



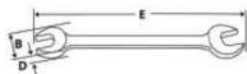
DSM810K



DS809K



- Use only moderate force on Slimline wrenches.
- Read Safety Precautions on pages W1-W4



Four-Way Angle Head, mm

- Angle head wrenches are offset at 90° and 270° angles to the handle
- Both ends are the same size to permit use of one wrench in four positions



VSM807B

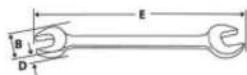
mm	Stock No.	Flank Drive® Plus Stock No.	B	D	E	Set Contains:				Flank Drive® Plus	Flank Drive® Plus
						VSM814**	VSM807B*	SVSM807A*	SVSM01FBR*		
10	VSM5210B	SVSM10A	20	6	127	•	•	•	•		
11	VSM5211B	SVSM11A	22	6	137	•	•	•	•		
12	VSM5212B	SVSM12A	24	6	145	•	•	•	•		
13	VSM5213B	SVSM13A	26	6	154	•	•	•	•		
14	VSM5214B	SVSM14A	28	6	164	•	•	•	•		
15	VSM5215B	SVSM15A	30	7	173	•	•	•	•		
16	VSM5216B	SVSM16A	31	7	181	•				•	
17	VSM5217B	SVSM17A	34	7	191	•	•	•	•		
18	VSM5218B	SVSM18A	36	7	200	•				•	
19	VSM5219B	SVSM19A	37	7	210	•				•	
21	VSM5221B	SVSM21A	41	8	228	•				•	
22	VSM5222B	SVSM22A	44	8	239	•				•	
24	VSM5224B	SVSM24A	47	8	254	•				•	
27	VSM5227B	SVSM27A	53	9	283	•				•	

*Set includes storage tray

**Set includes storage bag

^Set includes foam organizer

ASME® B107.100



VS807B



GVS24B

Four-Way Angle Head, inches

	Stock No.	Industrial Stock No.	Flank Drive® Plus Stock No.	B	D	E				Flank Drive® Plus	Flank Drive® Plus
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	—	SVS12A	25/32	7/32	4-27/32	•	•	•	•	•
7/16	VS14B	—	SVS14A	7/8	7/32	5-13/32	•	•	•	•	•
1/2	VS16B	GVS16B	SVS16A	1	1/4	5-31/32	•	•	•	•	•
9/16	VS18B	GVS18B	SVS18A	1-1/8	1/4	6-9/16	•	•	•	•	•
5/8	VS20B	GVS20B	SVS20A	1-1/4	9/32	7-1/8	•	•	•	•	•
11/16	VS22B	GVS22B	SVS22A	1-3/8	9/32	7-11/16	•	•	•	•	•
3/4	VS24B	GVS24B	SVS24A	1-15/32	9/32	8-9/32	•	•	•	•	
13/16	VS26B	GVS26B	SVS26A	1-19/32	5/16	8-27/32	•	•		•	
7/8	VS28B	GVS28B	SVS28A	1-23/32	5/16	9-13/32	•	•		•	
15/16	VS30B	GVS30B	SVS30A	1-27/32	11/32	10	•	•		•	
1	VS32B	GVS32B	SVS32A	1-31/32	11/32	10-9/16	•	•		•	
1-1/16	VS34B	—	SVS34A	2-3/32	11/32	11-1/8	•	•		•	
1-1/8	VS36B	—	SVS36A	2-3/16	3/8	11-23/32	•	•		•	
1-3/16	VS38B	—	—	2-11/32	3/8	12-9/32	•				
1-1/4	VS40B	GVS40B	SVS40A	2-7/16	13/32	12-7/8	•	•		•	
1-5/16	VS42B	—	—	2-9/16	13/32	13-7/16	•				
1-3/8	VS44B	—	—	2-11/16	13/32	14	•				
1-7/16	VS46B	—	—	2-27/32	7/16	14-19/32	•				
1-1/2	VS48B	—	—	2-15/16	7/16	15-5/32	•				
1-5/8	VS52B	—	—	3-7/32	15/32	16-5/16	•				
1-11/16	VS54B	—	—	3-11/32	1/2	16-7/8	•				
1-3/4	VS56B	—	—	3-15/32	1/2	17-7/16	•				
1-13/16	VS58B	—	—	3-19/32	1/2	18	•				
1-7/8	VS60B	—	—	3-23/32	17/32	18-19/32	•				
2	VS64B	—	—	3-31/32	9/16	19-3/4	•				

*Set includes storage tray

**Set includes storage bag

^Set includes foam organizer

ASME® B107.100

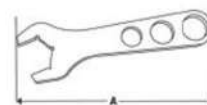
Aluminum (for AN fittings)

- 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 heat-treated aluminum to exact tolerances
- Corner reliefs on open end prevent rounding the corners of the fitting
- Handle length is designed to apply appropriate torque without overtightening
- Wrenches are color coded and stamped for quick size identification
- All wrenches are .125" thick

Set Contains:

#		Stock No.	Color	Overall Length, inches (mm)	
No. 3	1/2	ANWR3A	Silver	4 (101.6)	•
No. 4	9/16	ANWR4A	Black	4-3/4 (120.7)	•
No. 6	11/16	ANWR6A	Light Blue	5-3/4 (146.1)	•
No. 8	7/8	ANWR8A	Pink	5-3/4 (146.1)	•
No. 10	1	ANWR10A	Gold	7-1/8 (181.0)	•
No. 12	1-1/4	ANWR12A	Red	7-1/2 (190.5)	•
No. 16	1-1/2	ANWR16A	Brass	8-3/4 (222)	•
No. 20	1-13/16	ANWR20A	Dark Blue	9-1/4 (237.0)	•

Set includes heavy-gauge vinyl storage pouch



ANWR708A

SoftJaw Wrenches (Blue-Point®)

- Durable, chrome-vanadium wrenches with SoftJaw inserts
- Use to tension anodized aluminum fittings without damage
- Replaceable SoftJaw inserts

Set Contains:

Stock No.	Description	
BLPSJW0304†	Size 3–4 AN SoftJaw Open-End Wrench (Blue-Point®)	•
BLPSJW0305†	Size 3–5 AN SoftJaw Open-End Wrench (Blue-Point®)	•
BLPSJW0608†	Size 6–8 AN SoftJaw Wrench (Blue-Point®)	•
BLPSJW79†	Size 7–9 AN SoftJaw Open-End Wrench (Blue-Point®)	•
BLPSJW1012†	Size 10–12 AN SoftJaw Open-End Wrench (Blue-Point®)	•
BLPSJW1113†	Size 11–13 AN SoftJaw Open-End Wrench (Blue-Point®)	•
BLPSJW1620†	Size 16–20 AN SoftJaw Wrench (Blue-Point®)	
BLPSJW1718†	Size 17–18 AN SoftJaw Wrench (Blue-Point®)	



BLPSJW706

OPEN END Blue-Point®



BDOEM1415



BDOE1820

Standard, mm (Blue-Point®)

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

Standard, inches (Blue-Point®)

	Stock No.	Length, inches
5/16–3/8	BDOE1012	5-5/16
7/16–1/2	BDOE1416	6-1/2
9/16–5/8	BDOE1820	7-9/32
11/16–3/4	BDOE2224	8-15/16

ASME®/ANSI® B107.100



†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
• Read Safety Precautions on pages W1–W4



RXSM605B

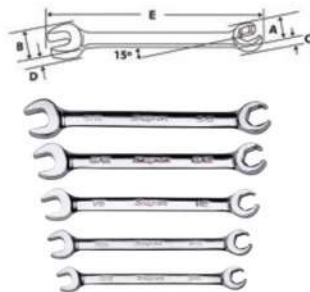
Open End and Flare Nut, mm

Set Contains:

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	13	13	235	

Set includes storage tray

ASME®/ANSI® B107.100



RXS605B

Open End and Flare Nut, inches

Set Contains:

	6	12	A	B	C	D	E	6
3/8	RXS12B	—	3/4	25/32	5/16	5/16	5-27/32	•
7/16	RXS14B	RXS14BS	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	•
11/16	—	RXS22BS	1-5/32	1-13/32	15/32	15/32	8-15/32	
3/4	—	RXS24BS	1-1/4	1-9/16	1/2	1/2	9	

Set includes storage tray

ASME® B107.100



RXFMS606B

Double End Flare Nut, mm

Set Contains:

mm	6	A	C	E	6
7-8	RXFMS78B	15-17	6-7	123	
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	•

Set includes storage tray

ASME® B107.100



RXFS605B

Double End Flare Nut, inches

Set Contains:

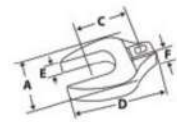
	6	A	C	E	6
1/4-5/16	RXFS810B	19/32-21/32	1/4-9/32	4-27/32	•
3/8-7/16	RXFS1214B	3/4-27/32	5/16-11/32	5-13/16	•
1/2-9/16	RXFS1618B	29/32-1	3/8-13/32	6-13/16	•
5/8-11/16	RXFS2022B	1-3/32-1-5/32	7/16-15/32	7-3/4	•
3/4-13/16	RXFS2426B	1-1/4-1-5/16	1/2-17/32	8-25/32	•
3/4-7/8	RXFS2428B	1-1/4-1-27/64	1/2-5/8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

Set includes storage tray

ASME® B107.100

Flank Drive® Plus, Open End, inches

	Stock No.	A	C	D	E	F
7/16	TMCOS14	29/32	5/8	1-5/32	5/16	5/16
1/2	TMCOS16	1-1/16	21/32	1-15/64	5/16	5/16
9/16	TMCOS18	1-5/32	11/16	1-19/64	5/16	5/16



Open End, mm

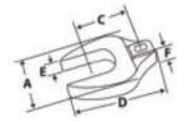
	Stock No.	A	C	D	E	F	
7	TMCOM7	13.5	13.2	24.4	6.6	6.6	•
8	TMCOM8	16.8	14.1	25.9	6.6	6.6	•
10	TMCOM10	19.8	14.6	27.5	6.6	6.6	•
11	TMCOM11	22.4	16.0	29.4	7.9	7.9	•
12	TMCOM12	24.4	16.5	30.6	7.9	7.9	•
13	TMCOM13	26.4	16.6	31.2	7.9	7.9	•
14	TMCOM14	29.0	17.7	32.9	7.9	7.9	•

Set includes storage tray

ASME® B107.21

Set Contains:

107TMCOM



Open End, inches

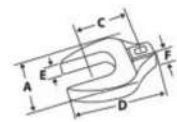
	Stock No.	A	C	D	E	F	
1/4	TMCO8	17/32	17/32	31/32	1/4	1/4	•
5/16	TMCO10	21/32	9/16	1-1/32	1/4	1/4	•
3/8	TMCO12	25/32	19/32	1-3/32	1/4	1/4	•
7/16	TMCO14	7/8	5/8	1-5/32	5/16	5/16	•
1/2	TMCO16	1-1/32	21/32	1-1/4	5/16	5/16	•
9/16	TMCO18	1-1/8	11/16	1-9/32	5/16	5/16	•

Set includes storage tray

ASME® B107.21

Set Contains:

106TMCO



Flank Drive® Flare Nut/Shallow, -Point, inches

	Stock No.	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

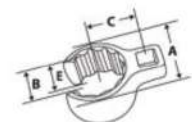
ASME® B107.21



Flank Drive® Flare Nut/Deep, -Point, inches

	12	A	B	C	E	Maximum Recommended Working Torque, in-lb
3/8	AN85086B	19/32	9/32	1/2	1/2	75
7/16	AN85087B	11/16	11/32	9/16	9/16	200
1/2	AN85088B	25/32	13/32	19/32	9/16	200
9/16	AN85089B	27/32	15/32	5/8	9/16	200

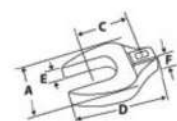
ASME® B107.21



DRIVE CROWFOOT WRENCHES

Flank Drive® Plus/Open End, inches

	Stock No.	A	C	D	E	F
5/8	FCOS20	1-1/4	27/32	1-19/32	7/32	17/32
3/4	FCOS24	1-17/32	1	1-29/32	1/4	17/32
15/16	FCOS30	2	1-1/8	2-1/8	23/64	43/64
1-1/16	FCOS34	2	1-3/32	2-1/8	23/64	43/64



- Use only moderate force on Flare Nut wrenches.
- Use only moderate force on Crowfoot wrenches.
- Read Safety Precautions on pages W1-W4

A technical diagram of a C-channel (Z-section) with the following dimensions labeled: A (height), B (flange width), C (web width), D (total width), E (flange thickness), and F (web thickness).

211GFC0

**Set
Contains:**

ASME®/ANSI® B107.100



3/8" DRIVE CROWFOOT WRENCHES

WRENCHES

Open End, mm, Chrome

mm	Stock No.	A	C	D	E	F	Maximum Recommended Working Torque, in-lb	Set Contains:	
								216FCOM	210FCOMA
9	FCOM9A	22.4	18.8	33.3	5.3	13.2	85	•	
10	FCOM10A	22.4	17.6	33.0	5.3	13.2	110	•	•
11	FCOM11A	22.4	16.6	32.3	5.3	13.2	125	•	•
12	FCOM12A	26.2	21.0	37.3	5.3	13.2	140	•	•
13	FCOM13A	26.2	19.8	36.8	5.3	13.2	170	•	•
14	FCOM14A	26.2	18.6	36.1	5.3	13.2	210	•	•
15	FCOM15A	31.8	22.7	40.9	5.3	13.2	230	•	•
16	FCOM16A	31.8	21.7	40.4	5.3	13.2	255	•	•
17	FCOM17A	31.8	20.5	39.9	5.3	13.2	275	•	•
18	FCOM18A	38.4	27.2	48.5	6.4	13.2	290	•	•
19	FCOM19A	38.4	26.2	48.0	6.4	13.2	315	•	•
20	FCOM20A	38.4	25.0	48.0	6.4	13.2	340	•	•
21	FCOM21A	43.7	27.4	48.8	7.1	15.0	375	•	•
22	FCOM22A	43.7	26.4	50.0	7.1	15.0	400	•	•
23	FCOM23A	50.5	30.1	54.4	8.9	16.8	425	•	•
24	FCOM24A	50.5	28.8	53.8	8.9	16.8	460	•	•

Set includes storage tray

ASME® B107.21



210FCOMA

Flank Drive® Flare Nut, 6-Point, mm

mm	6	A	B	C	D	E	Maximum Recommended Working Torque, in-lb	Set Contains:	
								210FRHMA	6
9	FRHM9	22.4	6.7	14.2	33.3	9.7	170		
10	FRHM10	22.9	7.4	14.2	35.3	9.7	212	•	•
11	FRHM11	22.9	8.3	14.2	35.3	9.7	245	•	•
12	FRHM12	25.4	9.0	14.2	36.6	9.7	280	•	•
13	FRHM13	25.4	9.4	14.2	36.6	9.7	315	•	•
14	FRHM14	28.4	10.5	18.8	40.9	11.2	385	•	•
15	FRHM15	28.4	11.2	18.8	40.9	11.2	460	•	•
16	FRHM16	28.4	11.7	18.8	40.9	11.2	530	•	•
17	FRHM17	33.3	12.6	20.6	44.7	12.7	600	•	•
18	FRHM18	33.3	13.6	20.6	44.7	12.7	670	•	•
19	FRHM19	33.3	14.7	20.6	44.7	12.7	740	•	•
20	FRHM20	41.1	15.2	22.1	50.3	14.2	850	•	•
21	FRHM21	41.1	16.3	22.1	50.3	14.2	920	•	•
22	FRHM22	41.1	17.0	22.1	50.3	14.2	1,025	•	•

Set includes storage tray

ASME® B107.21



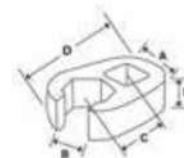
210FRHMA

Flank Drive® Flare Nut, 6-Point, inches

Inches	6	A	B	C	D	E	Maximum Recommended Working Torque, in-lb	Set Contains:	
								207SFRH	6
3/8	FRH120S	13/32	1/4	9/16	1-11/32	3/8	190	•	•
7/16	FRH140S	29/32	5/16	9/16	1-13/32	3/8	255	•	•
1/2	FRH160S	1	11/32	9/16	1-7/16	3/8	320	•	•
9/16	FRH180S	1-1/8	3/8	3/4	1-5/8	7/16	405	•	•
5/8	FRH200S	1-1/8	7/16	3/4	1-5/8	7/16	500	•	•
11/16	FRH220S	1-5/16	1/2	13/16	1-25/32	1/2	600	•	•
3/4	FRH240S	1-5/16	9/16	13/16	1-25/32	1/2	700	•	•
13/16	FRH260S	1-5/8	5/8	7/8	1-31/32	9/16	820	•	•
7/8	FRH280S	1-5/8	23/32	7/8	1-31/32	9/16	940	•	•
15/16	FRH300S	1-7/8	11/16	15/16	2-3/16	5/8	1,020	•	•
1	FRH320S	1-7/8	3/4	15/16	2-3/16	5/8	1,180	•	•

Set includes storage tray

ASME® B107.21



207SFRH



WARNING



- Use only moderate force on Flare Nut wrenches.
- Use only moderate force on Crowfoot wrenches.
- Screen the puller application.
- Read Safety Precautions on pages W1-W4

3/8" DRIVE CROWFOOT WRENCHES



208AN

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

Set Contains: 208AN

		A	B	C	E	Maximum Recommended Working Torque, in-lb	
5/8	AN850810B	15/16	1/2	23/32	23/32	200	•
11/16	AN850811B	1-1/32	17/32	25/32	23/32	245	•
3/4	AN850812B	1-1/8	9/16	13/16	3/4	360	•
13/16	AN850813B	1-7/32	5/8	7/8	3/4	360	•
7/8	AN850814B	1-5/16	25/32	15/16	25/32	500	•
15/16	AN850815B	1-3/8	3/4	31/32	25/32	500	•
1	AN850816B	1-7/16	3/4	1	13/16	500	•
1-1/16	AN850817B	1-17/32	25/32	1-1/32	13/16	500	•

Set includes storage tray

ASME®/ANSI® B107.21



A277

Crowfoot Wrench Holder

A277 3/8" Drive 8-3/4" Crowfoot Wrench Holder

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



BFCRM712A

Ratcheting, mm (Blue-Point®)

Set Contains: BFCRM712A

		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 shown includes storage tray



BFCR708A

Ratcheting, inches (Blue-Point®)

Set Contains: BFCR708A

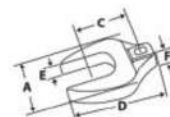
		A	C	E	
5/16	BFCR10A	11/16	1/4	2	•
3/8	BFCR12A	27/32	5/16	2-1/8	•
7/16	BFCR14A	7/8	11/32	2-1/8	•
1/2	BFCR16A	31/32	13/32	2-1/4	•
9/16	BFCR18A	1-1/16	13/32	2-3/8	•
5/8	BFCR20A	1-3/16	7/16	2-5/8	•
11/16	BFCR22A	1-1/4	15/32	2-5/8	•
3/4	BFCR24A	1-7/16	1/2	2-7/8	•

Set includes FXLBP10: 10" locking extension

Set shown includes storage tray

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
50	SCOM50A	100.8	53.8	14.6	16.1	—



SCOM32

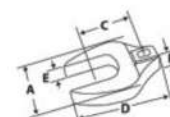
Open End, inches

		A	C	E	F	Maximum Recommended Working Torque, in-lb	
15/16	SCO30	1-27/32	1-15/32	11/32	5/8	1,800	
1	SCO32	1-31/32	1-11/16	23/64	5/8	1,900	
1-1/16	SCO34	2-3/32	1-3/4	3/8	5/8	2,000	•
1-1/8	SCO36	2-7/32	1-3/4	3/8	5/8	2,100	•
1-3/16	SCO38	2-11/32	1-3/4	13/32	5/8	2,200	•
1-1/4	SCO40	2-15/32	2	13/32	5/8	2,300	•
1-5/16	SCO42	2-19/32	2	7/16	5/8	2,400	•
1-3/8	SCO44	2-23/32	2	7/16	5/8	2,500	•
1-7/16	SCO46	2-27/32	2	7/16	5/8	2,600	•
1-1/2	SCO48	2-31/32	2	15/32	5/8	2,900	•
1-9/16	SCO50	2-31/32	1-31/32	15/32	5/8	3,000	
1-5/8	SCO52	3-7/32	1-31/32	1/2	5/8	3,400	•
1-11/16	SCO54	3-11/32	2-3/16	1/2	5/8	3,700	•
1-3/4	SCO56	3-15/32	2-3/16	17/32	5/8	3,900	•
1-13/16	SCO58	3-19/32	2-3/16	17/32	5/8	4,100	•
1-7/8	SCO60	3-23/32	2-3/16	9/16	5/8	4,300	•
2	SCO64	3-31/32	2-7/32	9/16	5/8	5,000	•
2-1/8	SCO68	3-31/32	2-7/32	37/64	5/8	5,000	
2-1/4	SCO72	3-31/32	2-13/32	37/64	5/8	5,000	
2-3/8	SCO76	4-3/8	2-31/64	19/32	5/8	5,000	
2-7/16	SCO78	4-3/8	2-7/16	19/32	5/8	5,000	
2-1/2	SCO80	4-3/8	2-13/32	19/32	5/8	5,000	

Set includes storage tray

ASME® B107.21

Set Contains:
314SCOA



314SCOA

Adjustable, inches/mm

ADCF □ □ □ □ Drive Metric □ □ □ □ mm Adjustable Crowfoot Wrench

- Metric and SAE scales
- Opening range from □ □ □ □ (□ □ □ □ mm)
- Lateral side nut is designed to work on difficult-to-access fasteners and minimizes dirt accumulation



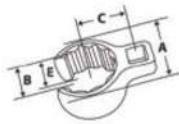
ADCF8



- Always pull wrench in direction of fixed jaw.
- Use only moderate force on crowfoot and flare nut wrenches.
- Read Safety Precautions on pages W1-W4



315AN



315AN

Flank Drive® Flare Nut/Deep, -Point, inches

Set Contains:

	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	

Set includes storage tray

ASME®/ANSI® B107.21

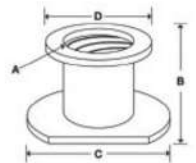
HEAVY DUTY STRIKING WRENCHES



HTX100P



HTX52



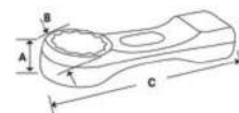
Slugging Wrench Retainers

Set Contains:

Stock No.	Description	A	B	C	D	
HTX24	3/4" Stud Slugging Wrench Retainer	3/8	1-29/32	1-15/16	1-3/4	•
HTX28	7/8" Stud Slugging Wrench Retainer	7/8	2	2-3/16	1-29/32	•
HTX32	1" Stud Slugging Wrench Retainer	1	2-1/8	2-1/2	2-1/32	•
HTX36	1-1/8" Stud Slugging Wrench Retainer	1-1/8	2-1/4	2-1/2	2-5/32	•
HTX40	1-1/4" Stud Slugging Wrench Retainer	1-1/4	2-3/8	2-7/8	2-9/32	•
HTX44	1-3/8" Stud Slugging Wrench Retainer	1-3/8	2-15/32	3-1/8	2-3/8	•
HTX48	1-1/2" Stud Slugging Wrench Retainer	1-1/2	2-5/8	3-1/8	2-1/2	•
HTX52	1-5/8" Stud Slugging Wrench Retainer	1-5/8	2-3/4	3-5/8	2-21/32	•
HTX56	1-3/4" Stud Slugging Wrench Retainer	1-3/4	2-7/8	3-7/8	2-3/4 (70)	•
HTX60	1-7/8" Stud Slugging Wrench Retainer	1-7/8	3	4-1/2	2-7/8	•

Set includes storage case.

HTX100P



DX634

Flank Drive® Straight Striking, Point, inches/mm

Set Contains: DX634

			A	B	C	
1-3/16	30	DX138A	7/8	2-3/32	7-35/64	•
1-1/4	32	DX140A	7/8	2-3/32	7-35/64	•
1-5/16	33	DX142A	7/8	2-3/32	7-35/64	•
1-3/8	35	DX144A	61/64	2-17/64	7-41/64	•
1-7/16	36	DX146A	61/64	2-17/64	7-41/64	•
1-1/2	38	DX148A	61/64	1-17/64	7-41/64	•
1-5/8	41	DX152A	1-9/64	2-5/8	7-53/64	•
1-11/16	43	DX154A	1-9/64	2-5/8	7-53/64	•
1-3/4	44	DX156A	1-7/32	2-13/16	7-29/32	•
1-13/16	46	DX158A	1-7/32	2-13/16	7-29/32	•
1-7/8	47	DX160A	1-7/32	2-13/16	7-29/32	•
—	50	DXM50	1-13/32	3-11/64	11-19/32	•
2	51	DX164A	1-13/32	3-11/64	11-19/32	•
2-1/16	52	DX166A	1-13/32	3-11/64	11-19/32	•
2-3/16	55	DX170A	1-17/32	3-29/64	11-47/64	•
2-1/4	57	DX172A	1-17/32	3-29/64	11-47/64	•
2-3/8	60	DX176A	1-21/32	3-23/32	11-55/64	•
2-7/16	62	DX178A	1-21/32	3-23/32	11-55/64	•
2-1/2	63	DX180A	1-21/32	3-23/32	11-55/64	•
2-9/16	65	DX182A	1-51/64	3-63/64	13	•
2-5/8	67	DX184A	1-51/64	3-63/64	13	•
2-3/4	70	DX188A	1-59/64	4-17/64	14-17/64	•
2-13/16	71	DX190A	1-59/64	4-17/64	14-17/64	•
2-15/16	75	DX194A	2-3/64	4-17/32	14-13/32	•
3	76	DX196A	2-3/64	4-17/32	14-13/32	•
3-1/8	79	DX1100A	2-17/64	4-29/32	17-37/64	•
3-3/8	85	DX1108A	2-17/64	4-29/32	17-37/64	•
3-1/2	89	DX1112A	2-29/64	5-19/64	17-51/64	•
3-3/4	95	DX1120A	2-21/32	5-17/32	17-51/64	•
3-7/8	98	DX1124A	2-21/32	5-17/32	17-57/64	•
4-1/8	105	DX1132A	2-59/64	6-1/32	18-9/64	•
4-1/4	108	DX1136A	2-59/64	6-1/32	18-9/64	•
4-1/2	114	DX1144A	3-5/32	6-25/32	20-1/64	•
4-5/8	117	DX1148A	3-5/32	6-25/32	20-1/64	•

ASME® B107.100



- Use only moderate force on Flarenut wrenches.
- Discontinue use of wrenches with chipped or significantly mushroomed striking pads.
- Read Safety Precautions on pages W1-W4

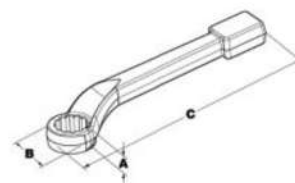
HEAVY DUTY STRIKING WRENCHES



HX400B



HX1000A



Flank Drive®
Offset Handle Sledge Hammer,
Point, inches/mm

Set Contains:

HX635

Point	mm	12	A	B	C	12
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	•
—	50	HXM50	1-1/4	2-7/8	13	•
1-7/8	47	HX600A	1-1/4	2-7/8	13	•
1-15/16	49	HX620A	1-1/2	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	•

Set includes storage case

Set Contains:

HX635

Point	mm	12	A	B	C	12
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	•

Set includes storage case

HEAVY DUTY TUBULAR WRENCHES



13B

Tubular Handles

Size, inches	Stock No.	A	B
13	13B	13-1/2	7/8
24	24B	24	7/8
36	36B	36	1-9/64



OE128C

Open-End Tubular, inches/mm

Point	mm	Stock No.	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	OE144C	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	13-3/4	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

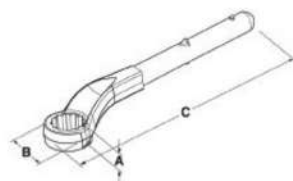
ASME® B107.100



XH1100C

Flank Drive® Offset Box, inches

		A	B	C	Fits Handle No.
1-1/16	X340B	5/8	1-21/32	10-1/2	24B
1-1/8	X360B	47/64	1-29/32	10-45/64	24B
1-1/4	X400C	47/64	1-29/32	10-45/64	24B
1-5/16	X420B	13/16	2	10-51/64	24B
1-3/8	X440B	7/8	2-5/64	10-51/64	24B
1-7/16	X460B	7/8	2-11/64	10-51/64	24B
1-1/2	X480B	15/16	2-1/4	10-29/32	24B
1-9/16	X500B	15/16	2-21/64	10-29/32	24B
1-5/8	X520B	1	2-27/64	11	24B
1-11/16	X540B	1-1/16	2-39/64	13-19/64	36B
1-3/4	X560B	1-1/16	2-39/64	13-19/64	36B
1-13/16	X580B	1-1/8	2-3/4	13-13/32	36B
1-7/8	X600B	1-1/8	2-3/4	13-13/32	36B
2	X640B	1-1/4	2-31/32	13-1/2	36B
2-1/16	X660B	1-1/4	2-31/32	13-1/2	36B
2-3/16	X700B	1-5/16	3-15/64	13-39/64	36B
2-1/4	X720B	1-5/16	3-15/64	13-39/64	36B
2-3/8	X760B	1-3/8	3-13/32	13-45/64	36B
2-9/16	X820B	1-1/2	3-21/32	13-51/64	36B
2-5/8	X840B	1-1/2	3-3/4	13-29/32	36B
2-3/4	X880B	1-5/8	3-15/16	14	36B
2-15/16	X940B	1-11/16	4-5/32	14-7/64	36B
3-1/8	X1000B	1-3/4	4-13/32	14-13/64	36B



X1000B



X340B

Manual Impact Wrenches

	Stock No.	A	B	C	Max Torque Output, ft-lb	Max Pull on Handles, lbs	Weight, lb (kg)
1/2	PHTPW50050	1-5/8	12	1-21/32	500	39*	6 (2.7)
3/4	PHTPW50075	1-5/8	12	1-21/32	500	39*	6 (2.7)
3/4	PHTPW80075	2	16	2	800	50*	11 (4.9)
1	PHTPW2000100	2-1/2	24	2-5/8	2,000	75*	23 (10.4)

*Max pull of handle, in-lb, to deliver torque output



PHTPW2000100



PHTPW50050



- Discontinue use of wrenches with chipped or significantly mushroomed striking pads.
- Do not use "cheater bars" on tubular handles.
- Read Safety Precautions on pages W1-W4

COMBINATION T AND L SHAPED WRENCHES



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



AWSGM800A

Hex/Soft Grip Handle, mm

Set Contains:

AWSGM800A

mm	Stock No.	T-Length, mm	Length, mm	
2	AWSGM2A	95	152	•
2.5	AWSGM2.5A	95	152	•
3	AWSGM3A	98	152	•
4	AWSGM4A	98	187	•
5	AWSGM5A	117	187	•
6	AWSGM6A	117	246	•
8	AWSGM8A	117	246	•
10	AWSGM10A	124	248	•

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-to-access situations
- Hole in the handle for hanging tool or attaching a tether
- Color-coded handles identify metric and inch sizes at a glance



AWBSGM800A

Ball Hex/Soft Grip Handle, mm

Set Contains:

AWBSGM800A

mm	Stock No.	T-Length, mm	Length, mm	
2	AWBSGM2A	95	152	•
2.5	AWBSGM2.5A	95	152	•
3	AWBSGM3A	98	152	•
4	AWBSGM4A	98	187	•
5	AWBSGM5A	117	187	•
6	AWBSGM6A	117	246	•
8	AWBSGM8A	117	246	•
10	AWBSGM10A	124	248	•

Set includes storage tray



AWSG800A

Hex/Soft Grip Handle, inches

Set Contains:

AWSG800A

in	Stock No.	T-Length, inches	Length, inches	
3/32	AWSG06A	3-7/8	6	•
7/64	AWSG07A	3-7/8	6	•
1/8	AWSG08A	3-7/8	6	•
9/64	AWSG09A	3-7/8	6	•
5/32	AWSG10A	3-7/8	7-3/8	•
3/16	AWSG12A	4-3/4	7-3/4	•
7/32	AWSG14A	4-3/4	7-3/4	•
1/4	AWSG16A	4-3/4	9-5/8	•
5/16	AWSG20A	4-3/4	9-5/8	•
3/8	AWSG24A	4-3/4	9-5/8	•

Set includes storage tray



AWBSG800A

Ball Hex/Soft Grip Handle, inches

Set Contains:

AWBSG800A

in	Stock No.	T-Length, inches	Length, inches	
3/32	AWBSG06A	3-7/8	6	•
7/64	AWBSG07A	3-7/8	6	•
1/8	AWBSG08A	3-7/8	6	•
9/64	AWBSG09A	3-7/8	6	•
5/32	AWBSG10A	3-7/8	7-3/8	•
3/16	AWBSG12A	4-3/4	7-3/4	•
7/32	AWBSG14A	4-3/4	7-3/4	•
1/4	AWBSG16A	4-3/4	9-5/8	•
5/16	AWBSG20A	4-3/4	9-5/8	•
3/8	AWBSG24A	4-3/4	9-5/8	•

Set includes storage tray

TORX®/Soft Grip Handle

Set Contains:

AWSGT800A

#	Stock No.	T-Length, inches	Length, inches	
T6	AWSGT6A	3-7/8	6	
T7	AWSGT7A	3-7/8	6	
T8	AWSGT8A	3-7/8	6	
T9	AWSGT9A	3-7/8	6	
T10	AWSGT10A	3-7/8	6	•
T15	AWSGT15A	3-7/8	7-3/8	•
T20	AWSGT20A	3-7/8	7-3/8	•
T25	AWSGT25A	4-3/4	7-5/8	•
T27	AWSGT27A	4-3/4	7-5/8	•
T30	AWSGT30A	4-3/4	9-5/8	•
T40	AWSGT40A	4-3/4	9-5/8	•
T45	AWSGT45A	4-3/4	9-3/4	•
T50	AWSGT50A	4-3/4	9-3/4	

Set includes storage tray



AWSGT800A

TORX Plus®/Special Application

AWSGTRP T TORX® T-Shaped/ L-Shaped Combination Wrench

- Extra long length of 11" and T Torper-Proof TORX® configuration is specifically designed to access Mercedes-Benz® vehicle mirrors
- Short end is also a T Torper-Proof TORX® configuration for use in tight quarters

AWSGTRP T TORX® T-Shaped/ L-Shaped Combination Wrench

- Designed to access Bosch® mass air flow (MAF) sensor screws in various Mercedes®, Volvo® and other European vehicles



AWSGTRP20A

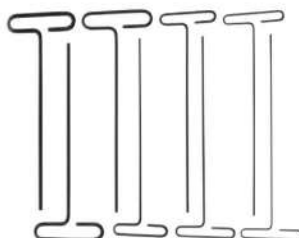


AWSGTRP25A

T SHAPED



AWMCG1600B



GAW1900A



AWC1600B

Hex/
T-Handle, mm

Set Contains:

AWMCG1600B

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

Hex/ T-Handle, inches

Set Contains:

GAW1900A

AWC1600B

	Standard Handle 9" Length	Red Handle 6" Length	Standard Handle	Red Handle
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		



• Read Safety Precautions on pages W1-W4

T-SHAPED



AWBMCG1600



AWBCG1600



AWCGT500

Ball Hex/ T-Handle, mm

Set Contains:

AWBMCG1600

mm	Stock No.	
2	AWBMCG1602	•
2.5	AWBMCG16025	•
3	AWBMCG1603	•
4	AWBMCG1604	•
5	AWBMCG1605	•
6	AWBMCG1606	•
8	AWBMCG1608	•
10	AWBMCG1610	•

Ball Hex/ T-Handle, inches

Set Contains:

AWBCG1600

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

TORX®/ T-Handle

Set Contains:

AWCGT500

#	Stock No.	
T7	AWCGT7	
T8	AWCGT8	•
T10	AWCGT10	•
T15	AWCGT15	•
T20	AWCGT20	•
T25	AWCGT25	•
T27	AWCGT27	
T30	AWCGT30	
T40	AWCGT40	
T45	AWCGT45	



AWSTAND

Wrench Stands

AWSTAND Storage Stand for L-Shaped/ T-Shaped Wrenches

- 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 workcenter or lie flat on top of toolbox
- Stand holds the following wrench styles:
 - L- or T-shaped SAE hex $\square$ $\square$ $\square$ $\square$ (excludes AWSG and AWSBSG series)
 - L- or T-shaped metric hex $\square$ $\square$ mm (excludes AWSGM and AWSBSGM series)
 - L- or T-shaped TORX® $\square$ $\square$ $\square$ (excludes AWSGT and AWSGTPT series)
- Metric or TORX® on one stand
- SAE and metric on one stand
- Metric and SAE ball wrenches

FOLDING SETS



AWMEF10K



AWMEF6K



AWMEF7K



AWMEF8K

Hex, mm

AWMEF10K 10pc Metric Folding Hex Key Set

- Tri-fold design allows for up to five additional keys in the set, without increased size of housing
- Impact-modified nylon housing designed to minimize loss of torque transfer to hex keys and prevent damage if dropped
- Gold-finish plating provide superior corrosion protection to traditional coating methods
- Includes (10) folding hex keys (1.5-10 mm)
- AWMEF10K 10pc Metric Folding Hex Key Set
- Includes (10) folding hex keys (1.5-10 mm)
- AWMEF7K 7pc Metric Folding Hex Key Set
- Includes (7) folding hex keys (1.5-7 mm)
- AWMEF8K 8pc Metric Folding Hex Key Set
- Includes (8) folding hex keys (1.5-8 mm)



AWBPH13



AWBS13



AWBXL13



BHS13A



BHS7A



DBHS13



AWBMXL9



AWMBPH9



AWMBS9



BHM9A



DBHM9

Double Ball Hex Key Sets

AWBPH13 13pc SAE L-Shaped Ball Hex Wrench Set

- Screw-holding tip holds fastener to tool for delicate installations
- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" sizes
- Includes plastic index

AWBS13 13pc SAE L-Shaped Stubby Ball Hex Wrench Set

- Stubby length for access to tight quarters
- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" sizes
- Includes plastic index

AWBXL13 13pc SAE L-Shaped Extra-Long Ball Hex Wrench Set

- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" sizes
- Includes plastic index

BHS13A 13pc SAE L-Shaped Ball Hex Wrench Set

- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" sizes
- Includes plastic index

BHS7A 7pc SAE L-Shaped Ball Hex Wrench Set

- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16" and 7/16" sizes
- Includes plastic index

DBHS13 13pc SAE L-Shaped Double Ball Hex Wrench Set

- 180° angle bend allows for access to fasteners a 90° stubby key cannot reach
- 180° angle provides a ±90° range of motion, or full 360°, creating clearance to help prevent "knuckle-busting"
- Ball hex on short-arm has a thicker "neck" than traditional ball hex designs, providing up to 100% more torque on the long arm
- Long arm utilizes an XL-pattern to access fasteners in deep recesses, with standard ball-hex tip
- Includes 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" sizes
- Includes plastic index

Ball Hex Key Sets

AWBMXL9 9pc Metric Extra-Long L-Shaped Ball Hex Wrench Set

- Includes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm and 12mm sizes
- Includes plastic index

AWMBPH9 9pc Metric L-Shaped Ball Hex Wrench Set

- Screw-holding tip holds fastener to tool for delicate installations
- Includes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm and 12mm sizes
- Includes plastic index

AWMBS9 9pc Metric Stubby L-Shaped Ball Hex Wrench Set

- Stubby length for access in tight quarters
- Includes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm and 12mm sizes
- Includes plastic index

BHM9A 9pc Metric L-Shaped Ball Hex Wrench Set

- Includes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm and 12mm sizes
- Includes plastic index

DBHM9 9pc Metric L-Shaped Double Ball Wrench Set

- 180° angle bend allows for access to fasteners a 90° stubby key cannot reach
- Ball hex on short-arm has a thicker "neck" than traditional ball hex designs, providing up to 100% more torque on the long arm
- Includes 3mm, 4mm, 5mm, 6mm, 8mm, 10mm and 12mm sizes
- Includes plastic index



AWM110DHK



AWM110DHK*
AWM110DK*
AWM140DK*

Hex, mm, Zinc

Set Contains:

	Stock No.	mm	A			
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	89.8			
	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			

*Set includes metal storage index

**Set includes storage bag



AW1013DK



AW1015DHK*
AW1013DK*
AW1020DK*

Hex, inches, Zinc

Set Contains:

	Stock No.		A			
	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	•	•	•
	AW16D	1/2	5-1/4	•	•	•
	AW18D	9/16	5-3/4	•	•	•
	AW20D	5/8	6-1/4	•	•	•
	AW24D	3/4	7-1/4	•	•	•

*Set includes metal storage index

**Set includes storage bag

Hex/Long, inches, Zinc

Set Contains:

AWL1010DHK*
AWL1010DK*

Stock No.		A			
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			

*Set includes metal storage index

**Set includes storage bag



AWL1010DHK



• Read Safety Precautions on pages W1-W4

L-SHAPED



AWMG9



AWMG9

Hex, mm, Gold Finish

Stock No.	mm	
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	•

Set Contains:



AWS13



AWS13

Hex, SAE, Natural Finish

Stock No.		
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	•

Set Contains:



AWTPH8

TORX®/Screw Holding Tip

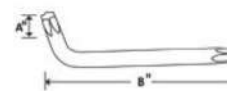
Stock No.	#	
AWTPHT9	T9	•
AWTPHT10	T10	•
AWTPHT15	T15	•
AWTPHT20	T20	•
AWTPHT25	T25	•
AWTPHT27	T27	•
AWTPHT30	T30	•
AWTPHT40	T40	•

Set Contains:

AWTPH8



AWTR8



AWTR8

TORX®/Tamper-Resistant

Stock No.	#	
AWTR8-1	TR9	•
AWTR8-2	TR10	•
AWTR8-3	TR15	•
AWTR8-4	TR20	•
AWTR8-5	TR25	•
AWTR8-6	TR27	•
AWTR8-7	TR30	•
AWTR8-8	TR40	•

Set Contains:



AWMXL10



AWMXL10

Hex/Extra-Long, mm

Stock No.	mm	A	B	
AWMXL10-1.5	1.5	91.5	15	•
AWMXL10-2	2	102	17.5	•
AWMXL10-2.5	2.5	114.5	20	•
AWMXL10-3	3	129	22	•
AWMXL10-4	4	146	26	•
AWMXL10-5	5	165	32	•
AWMXL10-6	6	132	32.5	•
AWMXL10-7	7	160	37	•
AWMXL10-8	8	203	43	•
AWMXL10-10	10	223	49	•

Set Contains:



AWT100KA



AWT100KA

TORX®

Stock No.	#	A	B	
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	•

Set Contains:



TORX®/Extra-Long

Set Contains: AWTXL8

Stock No.	#	A	B	
AWTXL8-T9	T9	4	0.74	•
AWTXL8-T10	T10	4.25	0.81	•
AWTXL8-T15	T15	4.6	0.88	•
AWTXL8-T20	T20	4.95	0.94	•
AWTXL8-T25	T25	5.61	1.03	•
AWTXL8-T27	T27	6.02	1.18	•
AWTXL8-T30	T30	6.496	1.26	•
AWTXL8-T40	T40	7	1.46	•



Double Ball TORX® Key

Set Contains: DBT7

Stock No.	#	
DBT10	T10	•
DBT15	T15	•
DBT20	T20	•
DBT25	T25	•
DBT27	T27	•
DBT30	T30	•
DBT40	T40	•



Hex, Extra-Long, SAE

Set Contains: AWWL13

Stock No.	#	A	B	
AWWL13-050	0.05	3.1	0.58	•
AWWL13-1/16	1/16	3.4	0.63	•
AWWL13-5/64	5/64	3.7	0.69	•
AWWL13-3/32	3/32	4	0.74	•
AWWL13-7/64	7/64	4.25	0.81	•
AWWL13-1/8	1/8	4.6	0.88	•
AWWL13-9/64	9/64	4.95	0.94	•
AWWL13-5/32	5/32	5.3	1	•
AWWL13-3/16	3/16	5.4	1.1	•
AWWL13-7/32	7/32	5.85	1.3	•
AWWL13-1/4	1/4	6.7	1.4	•
AWWL13-5/16	5/16	7.4	1.6	•
AWWL13-3/8	3/8	8.2	1.8	•

ADJUSTABLE

Flank Drive® Plus Adjustable/Cushion Handle

- Flank Drive® Plus provides up to 10% more turning power, allowing for more torque to the handle and reducing fastener wear
- Durable finish provides corrosion resistance
- High-strength alloy steel provides greater wrench strength and longer tool life

Stock No.	A inches (mm)	B inches (mm)		
FADH6C	6 (152)	3/4 (19)	•	•
FADH8B	8 (203)	15/16 (24)	•	•
FADH10B	10 (254)	1-1/8 (29)	•	•
FADH12C	12 (304)	1-5/16 (33)	•	•

Sets include storage tray

Set Contains: FADH702A FADH704B

ASME® Standard



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Always pull wrench in direction of fixed jaw.
- Read Safety Precautions on pages W1-W4

ADJUSTABLE



Adjustable

- 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

Stock No.	A inches (mm)	B inches (mm)
AD6C	6 (155)	25/32 (20)
AD8C	8 (205)	1-1/16 (27)
AD10C	10 (255)	1-3/16 (30)
AD12C	12 (305)	1-11/32 (34)
ADST8A	8 (205)	1-3/16 (30)

ASME® B107.100

Wide-Mouth Adjustable/Cushion Handle

- Opens larger than standard adjustable wrench
- Longer jaws and slimline design for greater reach
- ADHW□A opens as wide as an □" adjustable wrench; ADHW□A opens as wide as a □" adjustable wrench

Stock No.	A inches (mm)	B inches (mm)
ADHW6A	6 (152)	1-1/4 (32)
ADHW8A	8 (203)	1-1/2 (38)
ADHW10A	10 (254)	1-3/4 (44.5)
ADHW12A	12 (305)	2 (50.8)

ASME® B107.100



Pipe Wrenches

Stock No. Coated Handle	Stock No. Aluminum Handle	A	B
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

Pliers Wrenches

- 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

Stock No.	A	B	C	D	Weight, lb
PWZ0A	8-3/16	1-1/2	5/16	9/16	1
PWZ1A	12-5/8	1-3/4	1/2	3/4	1-5/8
PWZ2A	17	2-1/2	5/8	13/16	2-1/2
PWZ3A	21-1/2	3-1/2	3/4	1	6-3/8
PWZ4*	28-5/8	4-5/8	1-1/2	1-5/16	12
PWZ5*	41-3/4	6-5/16	1-1/2	1-3/8	17

*Only available in Red

Standard, Industrial (Blue-Point®)

- 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 in the handle end for a tether or hanging

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
GAJ4A	4 (108)	1/2 (13)	BLPADJ703
GAJ6A	6 (160)	1 (25.4)	BLPADJ404
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)	
GAJS30*	30 (778)	3-11/32 (85)	
GAJS30A	30 (778)	3-11/32 (85)	

Sets include storage tray

ASME® B107.10

*Side-Adjustable nut style provides smoother operation, allows greater jaw opening and offers minimum jaw play.



Soft Grip, Industrial (Blue-Point®)

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
GAJ6SG	6 (160)	1 (25.4)	BLPADJ404SG
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)

- Securely tighten expensive AN fittings to reduce the 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

Stock No.	Overall Length, inches (mm)	Maximum Opening
ANADJ8A	8 (203)	AN #10 (1")



SPECIAL APPLICATION



N6893B

Valve Persuader

N6893B 6 7/8" Valve Persuader Wrench

- Persuader end provides extra leverage on valve wheels
- Hooks around valve stems and protrudes through spokes
- 6 7/8" long
- Opening is 6 7/8"



FRW10

Extension Wrench

FRW10 Offset Extension Wrench

- 10" of reach to fastener
- 90° swing arc
- Allows impact and pneumatic wrenches to reach fasteners buried in assemblies
- Allows ratchet to swing free and clear where obstructions limit swing arc closer to the fastener



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Always pull wrench in direction of fixed jaw.
- Plastic handle does not protect against electric shock.
- Read Safety Precautions on pages W1-W4.

SPECIAL APPLICATION



Adjustable Face Pin Spanners

Used for servicing seal and packing nuts on hydraulic cylinders

Stock No.	A	B	C	D
AFS482C	6-3/8	2	3/16	5/32
AFS483C	8-1/4	3	1/4	3/16
AFS484C	10-3/8	4	5/16	1/4



Adjustable Hook Spanners

- Service collars, rings and bearings
- Single jaw and roll pin construction with industrial finish
- Assure that jaw hook is properly positioned when in use

Set Contains:
304AHSKA

Stock No.	A	B	C	D	
AHS300C	3/4-2	1/8	6-3/8	11/32	•
AHS301C	1-1/4-3	5/32	8-1/8	13/32	•
AHS304C	2-4-3/4	3/16	11-3/8	15/32	•
AHS307C	4-1/2-6-1/2	1/4	12-1/8	15/32	•



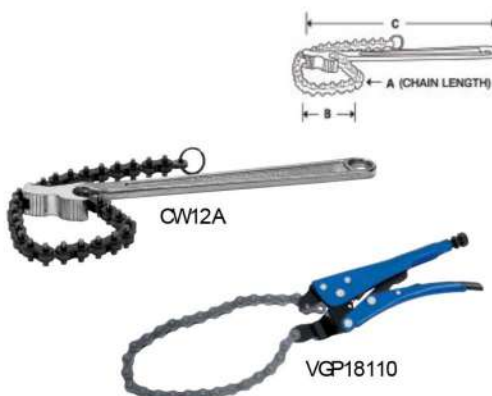
Adjustable Pin Spanners

- Remove rings, collars and lock nuts
- Assure that jaw hook is properly aligned when in use

Set Contains:
304APSKA

Stock No.	A	B	C	D	E	
APS351C	3/4-2	1/8	6-3/8	1/8	11/32	•
APS357C	1-1/4-3	3/16	8-1/8	3/16	11/32	•
APS363C	2-4-3/4	1/4	11-3/8	1/4	15/32	•
APS366C	4-1/2-6-1/4	1/4	12-1/8	3/8	15/32	•

SPECIAL APPLICATION Blue-Point®



Chain Wrenches (Blue-Point®)

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

VGP181101 Replacement Chain

VGP Locking Chain Wrench (Blue-Point®)

- Wraps around and holds irregular shaped objects like oil filters and mufflers
- Chain capacity: up to 15" (381 mm)
- Handle length: 15" (381 mm)

VGP Replacement Chain, for VGP (Blue-Point®)

- Replacement chain for VGP



Strap Wrenches (Blue-Point®)

BLPSTWR4A 4" Strap Wrench (Blue-Point®)

- 4" max diameter
- Adjusts to fit any circumference or irregular shape
- Will not scratch or damage surfaces
- Cushioned grip for maximum comfort
- Wrench strap is 1/2" (12 mm) wide

BLPSTWR6A 6" Strap Wrench (Blue-Point®)

- 6" max diameter
- Adjusts to fit any circumference or irregular shape
- Will not scratch or damage surfaces
- Cushioned grip for maximum comfort
- Heavy-duty construction for longer life
- Wrench strap is 1/2" (12 mm) wide