

Wrenches

Wrenches

SUPERCOMBO Wrenches®

- Open End: SUPERCOMBO® open end has specially designed grooves that contact fasteners on the flats and direct force away from corners, eliminating corner rounding. A 45° chamfer on the jaw tips allow for easy fastener insertion.
- Handle: Round edge profiles eliminate sharp edges, providing a more comfortable grip to apply more force. Large stamp size in the handle allows for quick and easy identification.
- Box End: SUPERTORQUE® lobular box design prevents rounding of the nuts and bolt heads by providing "no contact" clearance of the corners while applying all of the wrenching force (torque) on the flat surfaces behind the corner points. Box end chamfer is designed for quick, positive placement on the fastener.

Unique Tubular Handle Wrenches

- Wrenches may be used without the handle to quickly run down nuts. The handle can then be slipped on for final tightening or to reach otherwise inaccessible nuts.
- A "stop" on the wrench shaft helps to align locking button with handle hole.
- Offset box design provides turning clearance for hands above work surface.
- Continuous arc design distributes stress over the entire wrench opening radius for greater strength.
- Available in 3 styles — offset box, straight box and open end.
- Interchangeable handle lengths — 13", 24" and 36".
- Large size ranges from 3/4" to 3 1/8" (depending upon style).



WRENCHES

FEATURES



Adjustable Wrenches

- J. P. Johansson, founder of Bahco, invented the adjustable wrench which is now found all over the world. Bahco alone has produced more than 100 million adjustables.
- Snap-on Industrial Brands offers the largest variety of adjustable wrenches in the industry: ergonomically designed, Big Mouth, combination adjustable pipe wrench, construction; chrome and black finish, comfort grip and standard handles.
- All models thru 18" feature measurement scale on head that conveniently shows fastener size.

Ratcheting Combination Wrenches

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- SUPERTORQUE® corners on box ends provide extra turning power.
- Available in Standard, Flex-Head and Stubby styles to suit every need.
- Fine tooth design with dual-pawl mechanism for extra strength.
- Flex-Head models feature 90 degree pivot in either direction.
- Stubby models feature extra short handles for access in tight areas.

SUPERCOMBO® Combination Wrenches

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1208SC +	1/4	4 1/4	9/16	1/8	13/32	3/16
1210SC +	5/16	5 3/4	11/16	5/32	1/2	7/32
1211SC +	11/32	6 1/4	3/4	3/16	9/16	1/4
1212SC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214SC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216SC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218SC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220SC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222SC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224SC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226SC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228SC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230SC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232SC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234SC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236SC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1238SC ++	1 3/16	16 1/4	2 17/32	17/32	1 23/32	3/4
1240SC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242 **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244 **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246 **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248 **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178A **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180 **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182 **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184 **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186 **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188 **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190 **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191 **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192 **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193 **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194 **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195 **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197 **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198 *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198A *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198B *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198C *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199 *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199A *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199B *	3 3/8	31 3/8	6 5/8	1 7/32	4 7/8	1 5/8
1199C *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ High Polish Chrome Finish with SUPERTORQUE® Box End.
++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End.

** Satin Chrome Finish with SUPERTORQUE® Box End and Standard Open End.

* Satin Chrome Finish with Standard Open and Box Ends.

Fed. Spec.: ANSI B107.6; SAE AS 954

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



Grooves in the SUPERCOMBO® open ends direct wrench force away from fastener corners.



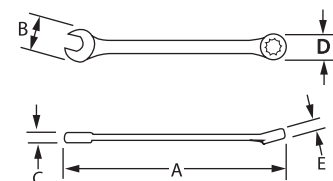
1216SC



SUPERTORQUE® box opening design allows higher torque without rounding or deforming fastener corners by placing wrenching forces on the flat surfaces rather than the points.



1248



SUPERCOMBO® Wrench Sets

High Polish Chrome and Satin Chrome Finish, 12 Point, SAE
Set Contents:

Product Code	Size (In)	WS-1170SCA 7-Piece Set in Roll Pouch	WS-1171SCA 11-Piece Set in Roll Pouch	WS-1172SCA 15-Piece Set in Roll Pouch	WS-1190SCA 26-Piece Set	WS-1174TA 10-Piece Set	WS-1175 6-Piece Set
1208SC	1/4				X		
1210SC	5/16			X	X		
1212SC	3/8	X	X	X	X		
1214SC	7/16	X	X	X	X		
1216SC	1/2	X	X	X	X		
1218SC	9/16	X	X	X	X		
1220SC	5/8	X	X	X	X		
1222SC	11/16	X	X	X	X		
1224SC	3/4	X	X	X	X		
1226SC	13/16		X	X	X		
1228SC	7/8		X	X	X		
1230SC	15/16		X	X	X		
1232SC	1		X	X	X		
1234SC	1 1/16			X	X		
1236SC	1 1/8			X	X		
1240SC	1 1/4			X	X		
1242	1 5/16				X	X	
1244	1 3/8				X	X	
1246	1 7/16				X	X	
1248	1 1/2				X	X	
1180	1 5/8				X	X	
1182	1 11/16				X	X	
1184	1 3/4				X	X	
1186	1 13/16				X	X	
1188	1 7/8				X	X	
1190	2				X	X	
1191	2 1/16						X
1192	2 1/8						X
1193	2 3/16						X
1194	2 1/4						X
1195	2 3/8						X
1197	2 1/2						X
Roll Pouch		R-42	R-41	R-37			



WS-1174TA



WS-1172SCA



WS-1190SCA



WRENCHES

WRENCH SETS



WS-1170SCA



WS-1171SCA



WS-1175

SUPERCOMBO® Combination Wrenches

Black Industrial Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1210BSC +	5/16	5 3/4	1 1/16	5/32	1 1/2	7/32
1212BSC ++	3/8	6 1/2	1 3/16	3/16	9/16	1/4
1214BSC ++	7/16	7 1/4	1 5/16	7/32	1 1/16	9/32
1216BSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218BSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220BSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222BSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224BSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226BSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228BSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230BSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232BSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234BSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236BSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240BSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4
1242B **	1 5/16	17 3/4	2 13/16	19/32	1 29/32	3/4
1244B **	1 3/8	18 1/2	2 15/16	5/8	2	3/4
1246B **	1 7/16	19 1/4	3 1/16	5/8	2 3/32	7/8
1248B **	1 1/2	20 1/32	3 3/16	11/16	2 3/16	7/8
1178AB **	1 9/16	20 25/32	3 3/16	21/32	2 1/4	7/8
1180B **	1 5/8	21 1/2	3 5/16	11/16	2 11/32	7/8
1182B **	1 11/16	22 9/32	3 7/16	23/32	2 7/16	7/8
1184B **	1 3/4	22 7/8	3 9/16	23/32	2 17/32	1 1/32
1186B **	1 13/16	23 15/32	3 11/16	3/4	2 5/8	1 1/32
1188B **	1 7/8	24 1/32	3 13/16	25/32	2 23/32	1 1/32
1190B **	2	25 1/4	4 1/16	27/32	2 7/8	1 1/32
1191B **	2 1/16	25 13/16	4 3/16	27/32	2 31/32	1 5/32
1192B **	2 1/8	26 3/8	4 5/16	7/8	3 1/16	1 5/32
1193B **	2 3/16	26 31/32	4 7/16	29/32	3 5/32	1 5/32
1194B **	2 1/4	27 9/16	4 9/16	15/16	3 7/32	1 5/32
1195B **	2 3/8	28 3/4	4 13/16	31/32	3 13/32	1 9/32
1197B **	2 1/2	29 29/32	5 1/16	1 1/32	3 19/32	1 9/32
1198BL *	2 5/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198ABL *	2 3/4	32	6 5/8	1 7/32	4 7/8	1 5/8
1198BBL *	2 7/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1198CBL *	2 15/16	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BL *	3	32	6 5/8	1 7/32	4 7/8	1 5/8
1199ABL *	3 1/8	32	6 5/8	1 7/32	4 7/8	1 5/8
1199BBL *	3 3/8	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8
1199CBL *	3 1/2	31 29/32	6 5/8	1 7/32	4 7/8	1 5/8

+ Black Industrial Finish with SUPERTORQUE® Box End

++ Black Industrial Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

** Black Industrial Finish with SUPERTORQUE® Box End and standard open end

* Satin Chrome Finish with Standard Open and Box Ends

Fed. Spec.: ANSI B107.6; SAE AS 954

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



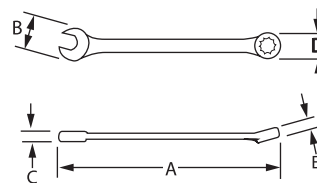
Grooves in the SUPERCOMBO® open ends direct wrench force away from fastener corners.



SUPERTORQUE® box opening design allows higher torque without rounding or deforming fastener corners by placing wrenching forces on the flat surfaces rather than the points.



1216BSC



SUPERCOMBO® Wrench Sets

Black Industrial Finish, 12 Point, SAE Set Contents

Product Code	Size (In)	WS-1170BSC	WS-1171BSC	WS-1172BSC	WS-1190BSC
		7-Piece Set in Roll Pouch	11-Piece Set in Roll Pouch	15-Piece Set in Roll Pouch	26-Piece Set
1210BSC	5/16			X	X
1212BSC	3/8	X	X	X	X
1214BSC	7/16	X	X	X	X
1216BSC	1/2	X	X	X	X
1218BSC	9/16	X	X	X	X
1220BSC	5/8	X	X	X	X
1222BSC	11/16	X	X	X	X
1224BSC	3/4	X	X	X	X
1226BSC	13/16		X	X	X
1228BSC	7/8		X	X	X
1230BSC	15/16		X	X	X
1232BSC	1		X	X	X
1234BSC	1 1/16			X	X
1236BSC	1 1/8			X	X
1240BSC	1 1/4			X	X
1242B	1 5/16				X
1244B	1 3/8				X
1246B	1 7/16				X
1248B	1 1/2				X
1178AB	1 9/16				X
1180B	1 5/8				X
1182B	1 11/16				X
1184B	1 3/4				X
1186B	1 13/16				X
1188B	1 7/8				X
1190B	2				X
Roll Pouch		R-42	R-41	R-37	



WRENCHES

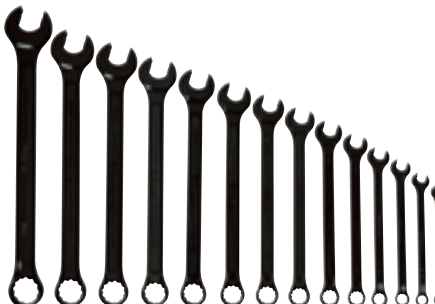
WRENCH SETS



WS-1170BSC



WS-1171BSC



WS-1172BSC



WS-1190BSC

SUPERCOMBO® Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1206MSC +	6	4 ²⁷ / ₃₂	9 ⁹ / ₁₆	1 ¹ / ₈	13 ¹³ / ₃₂	3 ³ / ₁₆
1207MSC ++	7	5 ⁵ / ₁₆	5 ⁵ / ₈	5 ⁵ / ₃₂	15 ¹⁵ / ₃₂	7 ⁷ / ₃₂
1208MSC ++	8	5 ²⁵ / ₃₂	23 ²³ / ₃₂	5 ⁵ / ₃₂	1 ¹ / ₂	7 ⁷ / ₃₂
1209MSC ++	9	6 ⁹ / ₃₂	13 ¹³ / ₁₆	3 ³ / ₁₆	9 ⁹ / ₁₆	1 ¹ / ₄
1210MSC ++	10	6 ³ / ₄	7 ⁷ / ₈	3 ³ / ₁₆	5 ⁵ / ₈	9 ⁹ / ₃₂
1211MSC ++	11	7 ¹ / ₄	31 ³¹ / ₃₂	7 ⁷ / ₃₂	11 ¹¹ / ₁₆	5 ⁵ / ₁₆
1212MSC ++	12	7 ¹¹ / ₁₆	1 ¹ / ₃₂	7 ⁷ / ₃₂	3 ³ / ₄	5 ⁵ / ₁₆
1213MSC ++	13	8 ¹ / ₃₂	1 ¹ / ₈	1 ¹ / ₄	25 ²⁵ / ₃₂	11 ¹¹ / ₃₂
1214MSC ++	14	8 ⁵ / ₈	1 ¹ / ₃₂	1 ¹ / ₄	27 ²⁷ / ₃₂	3 ³ / ₈
1215MSC ++	15	9 ³ / ₃₂	1 ⁹ / ₃₂	9 ⁹ / ₃₂	29 ²⁹ / ₃₂	13 ¹³ / ₃₂
1216MSC ++	16	9 ¹ / ₂	1 ³ / ₈	9 ⁹ / ₃₂	15 ¹⁵ / ₁₆	13 ¹³ / ₃₂
1217MSC ++	17	10 ¹ / ₁₆	1 ¹⁵ / ₃₂	5 ⁵ / ₁₆	1	7 ⁷ / ₁₆
1218MSC ++	18	10 ¹⁷ / ₃₂	1 ¹⁷ / ₃₂	5 ⁵ / ₁₆	1 ¹ / ₁₆	15 ¹⁵ / ₃₂
1219MSC ++	19	11 ¹ / ₃₂	1 ⁵ / ₈	11 ¹¹ / ₃₂	1 ¹ / ₈	1 ¹ / ₂
1220MSC ++	20	11 ¹ / ₂	1 ²³ / ₃₂	3 ³ / ₈	1 ³ / ₁₆	1 ¹ / ₂
1221MSC ++	21	11 ²⁵ / ₃₂	1 ³ / ₄	3 ³ / ₈	1 ¹ / ₃₂	17 ¹⁷ / ₃₂
1222MSC ++	22	12 ¹ / ₂	1 ²⁹ / ₃₂	13 ¹³ / ₃₂	1 ⁵ / ₁₆	9 ⁹ / ₁₆
1223MSC ++	23	12 ⁷ / ₈	1 ³¹ / ₃₂	7 ⁷ / ₁₆	1 ¹¹ / ₃₂	9 ⁹ / ₁₆
1224MSC ++	24	13 ⁹ / ₃₂	2	7 ⁷ / ₁₆	1 ³ / ₈	19 ¹⁹ / ₃₂
1225MSC ++	25	14 ¹ / ₃₂	2 ⁵ / ₃₂	15 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	5 ⁵ / ₈
1226MSC ++	26	14 ⁵ / ₁₆	2 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₂	21 ²¹ / ₃₂
1227MSC +	27	14 ²⁵ / ₃₂	2 ⁹ / ₃₂	1 ¹ / ₂	1 ⁹ / ₁₆	11 ¹¹ / ₁₆
1229MSC +	29	15 ¹⁷ / ₃₂	2 ¹³ / ₃₂	17 ¹⁷ / ₃₂	1 ²¹ / ₃₂	23 ²³ / ₃₂
1230MSC +	30	16 ⁹ / ₃₂	2 ¹⁷ / ₃₂	17 ¹⁷ / ₃₂	1 ³ / ₄	3 ³ / ₄
1232MSC +	32	17 ¹ / ₃₂	2 ¹¹ / ₁₆	9 ⁹ / ₁₆	1 ¹³ / ₁₆	3 ³ / ₄
1234MSC +	34	17 ²⁵ / ₃₂	2 ¹³ / ₁₆	19 ¹⁹ / ₃₂	1 ²⁹ / ₃₂	3 ³ / ₄
1236MSC +	36	19 ⁹ / ₃₂	3 ¹ / ₁₆	21 ²¹ / ₃₂	2 ³ / ₃₂	7 ⁷ / ₈

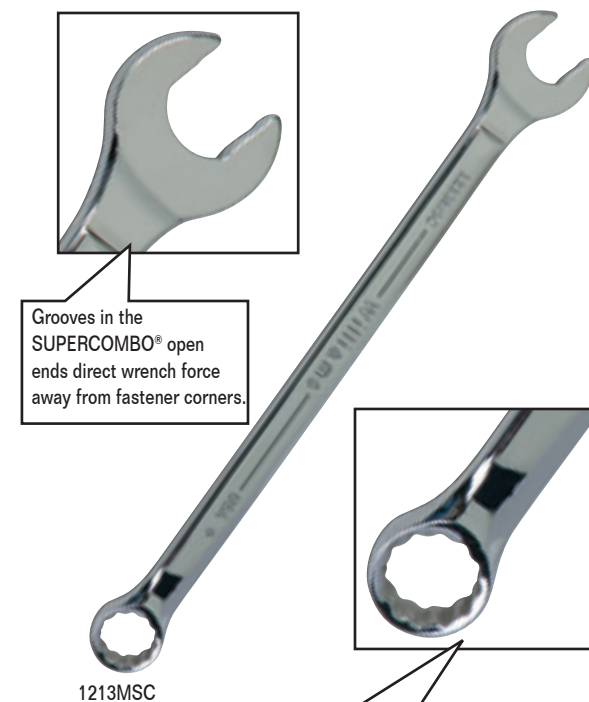
+ High Polish Chrome Finish with SUPERTORQUE® Box End

++ High Polish Chrome Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End

Fed. Spec.: ANSI B107.6; SAE AS 954

Features

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- Box and open end openings are identical.



SUPERCOMBO® Wrench Sets

**High Polish Chrome Finish, 12 Point, Metric
Set Contents:**

Product Code	Size (MM)	MWS-1B 8-Piece Set in Roll Pouch	MWS-5A 10-Piece Set in Roll Pouch	MWS-10A 10-Piece Set in Roll Pouch	MWS-15A 15-Piece Set in Roll Pouch	MWS-18A 18-Piece Set in Roll Pouch	MWS-6A 10-Piece Set in Roll Pouch
1206MSC	6	X					
1207MSC	7	X	X		X	X	
1208MSC	8	X	X		X	X	
1209MSC	9	X	X		X	X	
1210MSC	10	X	X	X	X	X	
1211MSC	11	X	X	X	X	X	
1212MSC	12	X	X	X	X	X	
1213MSC	13	X	X	X	X	X	
1214MSC	14		X	X	X	X	
1215MSC	15		X	X	X	X	
1216MSC	16			X	X	X	
1217MSC	17		X	X	X	X	
1218MSC	18			X	X	X	X
1219MSC	19			X	X	X	X
1220MSC	20				X	X	
1221MSC	21				X	X	X
1222MSC	22					X	X
1223MSC	23					X	
1224MSC	24					X	X
1225MSC	25						
1226MSC	26						
1227MSC	27						X
1229MSC	29						
1230MSC	30						X
1232MSC	32						X
1234MSC	34						X
1236MSC	36						X
Roll Pouch		R-29	R-10	R-11	R-30 R-31	R-10 R-23	R-13



MWS-1B



MWS-5A



MWS-10A



MWS-15A



MWS-18A



MWS-6A



WRENCHES

WRENCH SETS

SUPERCOMBO® Combination Wrenches

High Visibility Red Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1212RSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214RSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216RSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218RSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220RSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222RSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224RSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226RSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228RSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230RSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232RSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234RSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236RSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240RSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Red Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6

WS-1170RSC 7 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Roll Pouch – R-42

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212RSC	3/8	1218RSC	9/16	1224RSC	3/4
1214RSC	7/16	1220RSC	5/8	Roll Pouch	
1216RSC	1/2	1222RSC	11/16		

WS-1171RSC 11 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Roll Pouch – R-41

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212RSC	3/8	1220RSC	5/8	1228RSC	7/8
1214RSC	7/16	1222RSC	11/16	1230RSC	15/16
1216RSC	1/2	1224RSC	3/4	1232RSC	1
1218RSC	9/16	1226RSC	13/16	Roll Pouch	

WS-1172RSC 14 Piece Hi-Vis Red Combination Wrench Set, 12 Point, SAE, in Roll Pouch – R-37

Contents Include:

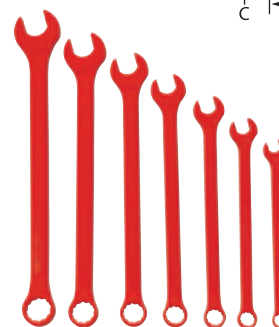
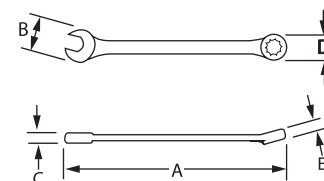
Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212RSC	3/8	1222RSC	11/16	1232RSC	1
1214RSC	7/16	1224RSC	3/4	1234RSC	1 1/16
1216RSC	1/2	1226RSC	13/16	1236RSC	1 1/8
1218RSC	9/16	1228RSC	7/8	1240RSC	1 1/4
1220RSC	5/8	1230RSC	15/16	Roll Pouch	

Features

- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



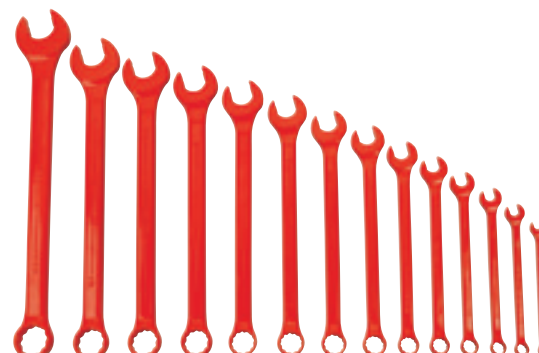
1216RSC



WS-1170RSC



WS-1171RSC



WS-1172RSC

SUPERCOMBO® Combination Wrenches

High Visibility Yellow Finish, 12 Point, SAE

Product Code	Size (In)	A	B	C	D	E
		Overall Length (Inches)	Open End Width (In)	Open End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
1212YSC ++	3/8	6 1/2	13/16	3/16	9/16	1/4
1214YSC ++	7/16	7 1/4	15/16	7/32	11/16	9/32
1216YSC ++	1/2	8	1 1/16	1/4	3/4	11/32
1218YSC ++	9/16	8 3/4	1 1/4	1/4	7/8	3/8
1220YSC ++	5/8	9 1/2	1 3/8	9/32	15/16	13/32
1222YSC ++	11/16	10 1/4	1 1/2	5/16	1 1/32	7/16
1224YSC ++	3/4	11	1 5/8	5/16	1 1/8	1/2
1226YSC ++	13/16	11 3/4	1 3/4	3/8	1 7/32	17/32
1228YSC ++	7/8	12 1/2	1 7/8	13/32	1 5/16	9/16
1230YSC ++	15/16	13 1/4	2	7/16	1 3/8	19/32
1232YSC ++	1	14	2 1/8	15/32	1 15/32	5/8
1234YSC ++	1 1/16	14 3/4	2 1/4	1/2	1 9/16	21/32
1236YSC ++	1 1/8	15 1/2	2 13/32	17/32	1 21/32	11/16
1240YSC ++	1 1/4	17	2 21/32	9/16	1 13/16	3/4

++ Hi-Vis Yellow Finish with SUPERCOMBO® Open End and SUPERTORQUE® Box End
Fed. Spec.: ANSI B107.6

WS-1170YSC 7 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Roll Pouch - R-42

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212YSC	3/8	1218YSC	9/16	1224YSC	3/4
1214YSC	7/16	1220YSC	5/8	Roll Pouch	
1216YSC	1/2	1222YSC	11/16		

WS-1171YSC 11 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Roll Pouch - R-41

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212YSC	3/8	1220YSC	5/8	1228YSC	7/8
1214YSC	7/16	1222YSC	11/16	1230YSC	15/16
1216YSC	1/2	1224YSC	3/4	1232YSC	1
1218YSC	9/16	1226YSC	13/16	Roll Pouch	

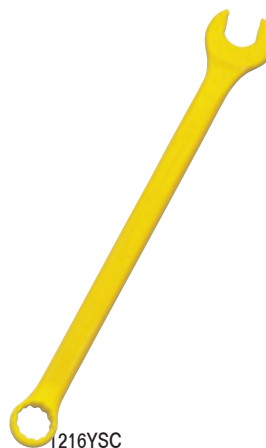
WS-1172YSC 14 Piece Hi-Vis Yellow Combination Wrench Set, 12 Point, SAE, in Roll Pouch - R-37

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1212YSC	3/8	1222YSC	11/16	1232YSC	1
1214YSC	7/16	1224YSC	3/4	1234YSC	1 1/16
1216YSC	1/2	1226YSC	13/16	1236YSC	1 1/8
1218YSC	9/16	1228YSC	7/8	1240YSC	1 1/4
1220YSC	5/8	1230YSC	15/16	Roll Pouch	

Features

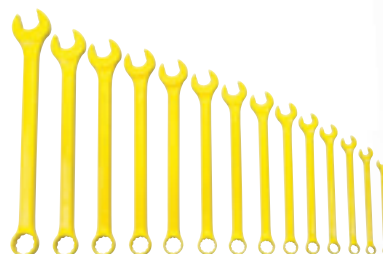
- SUPERCOMBO® open end has specially designed grooves that direct wrench force away from fastener corners.
- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.
- May be used on all common hex (6 point) fasteners with considerable advantage over conventional box end wrenches to increase both hand tool flexibility and economy.
- Box and open end openings are identical.



1216YSC



WS-1170YSC



WS-1171YSC



WS-1172YSC

WRENCHES

WRENCH SETS

Combination Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11208	1/4	5 1/8	9/16	5/32	7/16	7/32
11210	5/16	5 3/4	23/32	3/16	17/32	9/32
11212	3/8	6 1/2	13/16	3/16	5/8	5/16
11214	7/16	7 1/4	31/32	7/32	11/16	5/16
11216	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11218	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11220	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11222	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11224	3/4	11	1 5/8	3/8	1 3/32	1/2
11226	13/16	12	1 25/32	13/32	1 5/16	9/16
11228	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11230	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11232	1	14	2 3/32	7/16	1 1/2	11/16
11234	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11236	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11240	1 1/4	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11003 9 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50003

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11208	1/4	11214	7/16	11220	5/8
11210	5/16	11216	1/2	11222	11/16
11212	3/8	11218	9/16	11224	3/4

11007 11 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11212	3/8	11220	5/8	11228	7/8
11214	7/16	11222	11/16	11230	15/16
11216	1/2	11224	3/4	11232	1
11218	9/16	11226	13/16		

11008 14 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50007

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4		
11214	7/16	11226	13/16		
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		

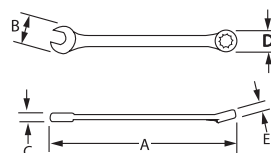
11009 16 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50007

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11208	1/4	11220	5/8	11232	1
11210	5/16	11222	11/16	11234	1 1/16
11212	3/8	11224	3/4	11236	1 1/8
11214	7/16	11226	13/16	11240	1 1/4
11216	1/2	11228	7/8		
11218	9/16	11230	15/16		

Features

- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a vinyl pouch.



11216



11003



11007



11008



11009



Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11606	6	5 1/8	9/16	5/32	7/16	7/32
11607	7	5 3/8	21/32	5/32	1/2	1/4
11608	8	5 1/4	23/32	3/16	11/32	9/32
11609	9	6 1/2	13/16	7/32	19/32	5/16
11610	10	6 3/4	7/8	7/32	5/8	5/16
11611	11	7 1/4	31/32	7/32	11/16	5/16
11612	12	7 3/4	1	7/32	3/4	11/32
11613	13	8 1/8	1 3/32	1/4	25/32	3/8
11614	14	8 3/4	1 7/32	1/4	7/8	3/8
11615	15	9 1/8	1 9/32	9/32	29/32	13/32
11616	16	9 1/2	1 11/32	9/32	31/32	7/16
11617	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11618	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11619	19	11	1 21/32	11/32	1 1/8	1/2
11620	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11621	21	12	1 25/32	13/32	1 5/16	9/16
11622	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11623	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11624	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11625	25	14	2 5/32	7/16	1 1/2	11/16
11626	26	14	2 5/32	7/16	1 1/2	11/16
11627	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11629	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11630	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11632	32	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11011 9 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50001

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11609	9	11612	12
11607	7	11610	10	11613	13
11608	8	11611	11	11614	14

11013 14 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50003

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11611	11	11616	16
11607	7	11612	12	11617	17
11608	8	11613	13	11618	18
11609	9	11614	14	11619	19
11610	10	11615	15		

11015 19 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11613	13	11620	20
11607	7	11614	14	11621	21
11608	8	11615	15	11622	22
11609	9	11616	16	11623	23
11610	10	11617	17	11624	24
11611	11	11618	18		
11612	12	11619	19		

11017 25 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50007

Contents Include:

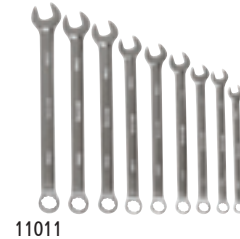
Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11606	6	11615	15	11624	24
11607	7	11616	16	11625	25
11608	8	11617	17	11626	26
11609	9	11618	18	11627	27
11610	10	11619	19	11628	28
11611	11	11620	20	11629	29
11612	12	11621	21	11630	30
11613	13	11622	22	11631	31
11614	14	11623	23	11632	32

Features

- High polish chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a vinyl pouch.

WRENCHES

WRENCH SETS



Combination Wrenches

Satin Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A	B	C	D	E
		Overall Length (In)	Open End Width (In)	Open End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
11108	1/4	5 1/8	9/16	5/32	7/16	7/32
11110	5/16	5 3/4	23/32	3/16	17/32	9/32
11112	3/8	6 1/2	13/16	3/16	5/8	5/16
11114	7/16	7 1/4	31/32	7/32	11/16	5/16
11116	1/2	8 1/8	1 3/32	1/4	25/32	3/8
11118	9/16	8 3/4	1 7/32	1/4	7/8	3/8
11120	5/8	9 1/2	1 3/8	9/32	31/32	7/16
11122	11/16	10 1/4	1 1/2	11/32	1 1/16	15/32
11124	3/4	11	1 5/8	3/8	1 3/32	1/2
11126	13/16	12	1 25/32	13/32	1 5/16	9/16
11128	7/8	12 3/8	1 7/8	3/8	1 11/32	9/16
11130	15/16	13 1/4	2 1/32	13/32	1 13/32	5/8
11132	1	14	2 3/32	7/16	1 1/2	11/16
11134	1 1/16	14 5/8	2 5/32	15/32	1 19/32	11/16
11136	1 1/8	16 1/4	2 5/16	1/2	1 21/32	3/4
11140	1 1/4	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11002 9 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50003

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11108	1/4	11114	7/16	11120	5/8
11110	5/16	11116	1/2	11122	11/16
11112	3/8	11118	9/16	11124	3/4

11004 11 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11112	3/8	11120	5/8	11128	7/8
11114	7/16	11122	11/16	11130	15/16
11116	1/2	11124	3/4	11132	1
11118	9/16	11126	13/16		

11005 14 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50007

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11108	1/4	11120	5/8	11132	1
11110	5/16	11122	11/16	11134	1 1/16
11112	3/8	11124	3/4		
11114	7/16	11126	13/16		
11116	1/2	11128	7/8		
11118	9/16	11130	15/16		

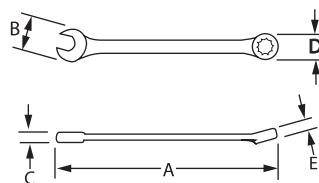
11006 16 Piece Combination Wrench Set, 12 Point, SAE, in Vinyl Pouch – 50007

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11108	1/4	11120	5/8	11132	1
11110	5/16	11122	11/16	11134	1 1/16
11112	3/8	11124	3/4	11136	1 1/8
11114	7/16	11126	13/16	11140	1 1/4
11116	1/2	11128	7/8		
11118	9/16	11130	15/16		

Features

- Satin chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a vinyl pouch.



11116



11002



11004



11005



11006



Combination Wrenches

Satin Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11506	6	5 1/8	9/16	5/32	7/16	7/32
11507	7	5 3/8	21/32	5/32	1/2	1/4
11508	8	5 3/4	23/32	3/16	17/32	9/32
11509	9	6 1/2	13/16	7/32	19/32	5/16
11510	10	6 3/4	7/8	7/32	5/8	5/16
11511	11	7 1/4	31/32	7/32	11/16	5/16
11512	12	7 3/4	1	7/32	3/4	11/32
11513	13	8 1/8	1 3/32	1/4	25/32	3/8
11514	14	8 3/4	1 7/32	1/4	7/8	3/8
11515	15	9 1/8	1 9/32	9/32	29/32	13/32
11516	16	9 1/2	1 11/32	9/32	31/32	7/16
11517	17	10 1/4	1 15/32	11/32	1 1/32	15/32
11518	18	10 1/2	1 9/16	11/32	1 3/32	1/2
11519	19	11	1 21/32	11/32	1 1/8	1/2
11520	20	11 3/8	1 11/16	3/8	1 27/32	9/16
11521	21	12	1 25/32	13/32	1 5/16	9/16
11522	22	12 1/2	1 7/8	3/8	1 9/32	9/16
11523	23	12 1/2	1 27/32	3/8	1 11/32	9/16
11524	24	13 1/4	2 1/32	13/32	1 13/32	5/8
11525	25	14	2 5/32	7/16	1 1/2	11/16
11526	26	14	2 5/32	7/16	1 1/2	11/16
11527	27	14 5/8	2 5/32	15/32	1 19/32	11/16
11529	29	16 1/4	2 5/16	1/2	1 21/32	3/4
11530	30	16 1/4	2 5/16	1/2	1 21/32	3/4
11532	32	17	2 17/32	9/16	1 3/4	3/4

Fed. Spec.: ANSI B107.6; SAE AS 954

11010 9 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50001

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11506	6	11509	9	11512	12
11507	7	11510	10	11513	13
11508	8	11511	11	11514	14

11012 14 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50003

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11506	6	11511	11	11516	16
11507	7	11512	12	11517	17
11508	8	11513	13	11518	18
11509	9	11514	14	11519	19
11510	10	11515	15		

11014 19 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11506	6	11513	13	11520	20
11507	7	11514	14	11521	21
11508	8	11515	15	11522	22
11509	9	11516	16	11523	23
11510	10	11517	17	11524	24
11511	11	11518	18		
11512	12	11519	19		

11016 25 Piece Combination Wrench Set, 12 Point, Metric, in Vinyl Pouch – 50007

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11506	6	11515	15	11524	24
11507	7	11516	16	11525	25
11508	8	11517	17	11526	26
11509	9	11518	18	11527	27
11510	10	11519	19	11528	28
11511	11	11520	20	11529	29
11512	12	11521	21	11530	30
11513	13	11522	22	11531	31
11514	14	11523	23	11532	32

Features

- Satin chrome textured finish provides great feel and extra gripping power.
- 12 point box end provides easy socket engagement and maximum versatility.
- Recessed corners in box end provide extra turning power.
- Sets are packed in a vinyl pouch.

WRENCHES

WRENCH SETS



11510



11010



11012



11014



11016

Offset Combination Wrenches

High Polish Chrome Finish, 12 Point Offset Box End, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11950	1/4	3 3/4	9/16	5/32	13/32	5/32
11951	5/16	4 1/2	11/16	3/16	1/2	7/32
11970	11/32	5	25/32	3/16	17/32	1/4
11952	3/8	5	25/32	3/16	9/16	1/4
11953	7/16	5 3/4	15/16	3/16	5/8	1/4
11954	1/2	6 3/4	1 1/8	7/32	23/32	5/16
11955	9/16	7 1/4	1 7/32	1/4	13/16	3/8
11956	5/8	8 1/8	1 3/8	1/4	29/32	3/8
11957	11/16	8 3/4	1 7/16	9/32	31/32	13/32
11958	3/4	9 5/8	1 5/8	5/16	1 1/16	15/32
11959	13/16	10 1/2	1 21/32	5/16	1 5/32	15/32
11960	7/8	10 1/2	1 7/8	11/32	1 9/32	1/2
11961	15/16	11 3/4	2 1/32	11/32	1 11/32	9/16
11962	1	13	2 5/32	11/32	1 7/16	19/32
11963	1 1/16	13	2 9/32	3/8	1 17/32	5/8
11964	1 1/8	14 1/2	2 13/32	3/8	1 19/32	11/16
11965	1 1/4	15 1/4	2 21/32	7/16	1 25/32	23/32
11966	1 5/16	16 1/4	2 13/16	15/32	1 7/8	25/32
11967	1 3/8	16 3/8	2 13/16	15/32	1 7/8	25/32
11968	1 7/16	17	3 1/16	9/16	2 1/8	7/8
11969	1 1/2	17	3 1/16	17/32	2 3/32	27/32

11990 9 Piece Offset Combination Wrench Set, 12 Point, SAE, in Deluxe Roll Pouch

Contents Include:

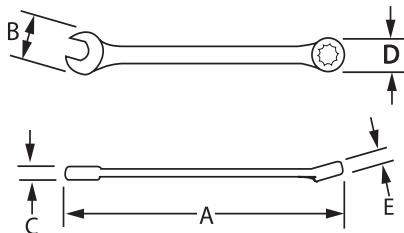
Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11952	3/8	11955	9/16	11958	3/4
11953	7/16	11956	5/8	11959	13/16
11954	1/2	11957	11/16	11960	7/8

Features

- Unique 10° offset box end provides extra knuckle clearance.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.
- Deluxe roll pouch with clear front and velcro fastening keeps wrenches organized and visible.



11954



11990



Stubby Combination Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11310	5/16	3 9/16	1 1/16	5/32	1/2	7/16
11312	3/8	3 3/4	1 3/16	3/16	19/32	1/2
11314	7/16	3 15/16	1 5/16	7/32	21/32	9/16
11316	1/2	4 1/4	1 1/16	1/4	3/4	11/16
11318	9/16	4 1/2	1 3/16	9/32	27/32	3/4
11320	5/8	4 3/4	1 5/16	9/32	15/16	13/16
11322	11/16	5	1 7/16	5/16	1 1/32	7/8
11324	3/4	5 7/16	1 9/16	11/32	1 1/8	15/16

Fed. Spec.: ANSI B107.6

11030 7 Piece Stubby Combination Wrench Set, 12 Point, SAE, in Deluxe Roll Pouch

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11312	3/8	11318	9/16	11324	3/4
11314	7/16	11320	5/8		
11316	1/2	11322	11/16		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.



11316



11030

WRENCHES

STUBBY COMBINATION WRENCHES

Stubby Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
11708	8	3 1/2	1 1/16	5/32	1/2	7/16
11710	10	3 3/4	1 3/16	7/32	19/32	1/2
11711	11	3 15/16	1 5/16	7/32	21/32	9/16
11712	12	4 1/16	1	1/4	21/32	5/8
11713	13	4 1/4	1 1/16	1/4	25/32	11/16
11714	14	4 1/2	1 1/8	9/32	27/32	11/16
11715	15	4 5/8	1 1/4	9/32	29/32	3/4
11716	16	4 3/4	1 5/16	5/16	15/16	13/16
11717	17	5	1 3/8	5/16	1	7/8
11718	18	5 3/16	1 7/16	5/16	1 1/32	7/8
11719	19	5 7/16	1 9/16	5/16	1 1/8	15/16

Fed. Spec.: ANSI B107.9M

11032 7 Piece Stubby Combination Wrench Set, 12 Point, Metric, in Deluxe Roll Pouch

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
11710	10	11714	14	11718	18
11712	12	11715	15		
11713	13	11717	17		

Features

- Extra short handle for access where clearance is limited.
- High-polished chrome finish cleans easily.
- 12 point box end provides maximum versatility.
- Recessed corners in box end provide extra turning power.



11714



11032

Flex-Head Combination Wrenches

High Polish Chrome Finish,
12 Point Flex-Head Semi-Deep Socket End, SAE

		A	B	C	D	E
		Overall Length (In)	Open End Width (In)	Open End Thickness (In)	Socket Diameter (In)	Hex Depth (In)
Product Code	Size (In)					
11900	$\frac{3}{8}$	7	$\frac{15}{16}$	$\frac{7}{32}$	$\frac{9}{16}$	$\frac{1}{2}$
11901	$\frac{7}{16}$	7	$\frac{15}{16}$	$\frac{7}{32}$	$\frac{5}{8}$	$\frac{17}{32}$
11902	$\frac{1}{2}$	8	$\frac{15}{16}$	$\frac{1}{4}$	$\frac{25}{32}$	$\frac{19}{32}$
11903	$\frac{9}{16}$	$8\frac{3}{4}$	$\frac{15}{16}$	$\frac{1}{4}$	$\frac{13}{16}$	$\frac{21}{32}$
11904	$\frac{5}{8}$	$9\frac{3}{4}$	$\frac{15}{16}$	$\frac{9}{32}$	$\frac{14}{16}$	$\frac{3}{4}$
11905	$\frac{11}{16}$	$9\frac{3}{4}$	$\frac{15}{16}$	$\frac{9}{32}$	$\frac{15}{16}$	$\frac{3}{4}$
11906	$\frac{3}{4}$	$10\frac{3}{4}$	$\frac{15}{16}$	$\frac{1}{4}$	1	$\frac{25}{32}$

11940 7 Piece Flex-Head Combination Wrench Set, 12 Point, SAE, in Deluxe Roll Pouch

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
11900	$\frac{3}{8}$	11903	$\frac{9}{16}$	11906	$\frac{3}{4}$
11901	$\frac{7}{16}$	11904	$\frac{5}{8}$		
11902	$\frac{1}{2}$	11905	$\frac{11}{16}$		

Features

- Unique semi-deep socket end provides extra bolt clearance.
- High-polished chrome finish cleans easily.
- 12 point socket end provides maximum versatility.
- Recessed corners in socket end provide extra turning power.
- Deluxe roll pouch with clear front and velcro fastening keeps wrenches organized and visible.



11900



11940

Double Flex-Head Wrenches

High Polish Chrome Finish, 12 Point Flex-Head Semi-Deep Socket End, SAE

		A	B	C	D	E
		Overall Length (In)	Socket Diameter (In)	Hex Depth (In)	Socket Diameter (In)	Hex Depth (In)
Product Code	Size (In)					
12601	$\frac{3}{8} \times \frac{7}{16}$	$7\frac{13}{16}$	$\frac{9}{16}$	$\frac{15}{32}$	$\frac{5}{8}$	$\frac{17}{32}$
12603	$\frac{1}{2} \times \frac{9}{16}$	$9\frac{3}{4}$	$\frac{23}{32}$	$\frac{5}{8}$	$\frac{13}{16}$	$\frac{21}{32}$
12605	$\frac{5}{8} \times \frac{11}{16}$	10	$\frac{27}{32}$	$\frac{23}{32}$	$\frac{15}{16}$	$\frac{3}{4}$
12607	$\frac{3}{4} \times \frac{7}{8}$	12	1	$\frac{3}{4}$	$1\frac{5}{32}$	$\frac{29}{32}$

12691 4 Piece Double Flex-Head Wrench Set, 12 Point, SAE, in Deluxe Roll Pouch

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
12601	$\frac{3}{8} \times \frac{7}{16}$	12605	$\frac{5}{8} \times \frac{11}{16}$
12603	$\frac{1}{2} \times \frac{9}{16}$	12607	$\frac{3}{4} \times \frac{7}{8}$

Features

- Unique semi-deep socket end provides extra bolt clearance.
- High-polished chrome finish cleans easily.
- 12 point socket end provides maximum versatility.
- Recessed corners in socket end provide extra turning power.



12607



12691



Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1208RC	1/4	4 1/2	21/32	5/32	21/32	9/32
1210RC	5/16	5 1/4	23/32	5/32	23/32	9/32
1212RC	3/8	6 1/4	7/8	3/16	7/8	5/16
1214RC	7/16	6 5/8	15/16	7/32	29/32	11/32
1216RC	1/2	7	1 1/32	1/4	1	13/32
1218RC	9/16	7 3/8	1 3/16	1/4	1 3/32	13/32
1220RC	5/8	8 1/32	1 11/32	9/32	1 7/32	7/16
1222RC	11/16	9	1 7/16	9/32	1 11/16	1/2
1224RC	3/4	9 3/4	1 17/32	11/32	1 15/32	17/32
1226RC	13/16	10 1/2	1 23/32	3/8	1 9/16	17/32
1228RC	7/8	11 13/32	1 7/8	11/32	1 21/32	19/32
1230RC	15/16	12	1 31/32	15/32	1 27/32	5/8
1232RC	1	13	2 3/32	15/32	1 7/8	5/8

WS-1168RC 8 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1210RC	5/16	1216RC	1/2	1222RC	11/16
1212RC	3/8	1218RC	9/16	1224RC	3/4
1214RC	7/16	1220RC	5/8		

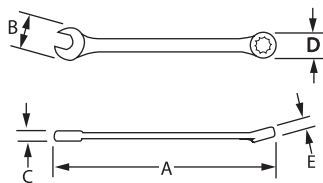
WS-1164RC 4 Piece Reversible Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
1226RC	13/16	1230RC	15/16
1228RC	7/8	1232RC	1

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



WRENCHES

FLEX-HEAD COMBINATION WRENCHES



1226RC



WS-1168RC



WS-1164RC

Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1206MRC	6	4 1/2	21/32	5/32	21/32	1/4
1208MRC	8	5 1/4	23/32	3/16	23/32	9/32
1209MRC	9	5 7/8	13/16	5/32	25/32	5/16
1210MRC	10	6 1/4	7/8	7/32	7/8	11/32
1211MRC	11	6 5/8	15/16	7/32	29/32	11/32
1212MRC	12	6 13/16	1	7/32	31/32	3/8
1213MRC	13	7	1 1/32	1/4	1	13/32
1214MRC	14	7 3/8	1 3/16	1/4	1 3/32	13/32
1215MRC	15	7 3/4	1 1/4	9/32	1 5/32	7/16
1216MRC	16	8 3/16	1 11/32	9/32	1 7/32	7/16
1217MRC	17	9	1 7/16	9/32	1 9/32	1/2
1218MRC	18	9 3/8	1 17/32	5/16	1 3/8	15/32
1219MRC	19	9 3/4	1 17/32	11/32	1 7/16	17/32
1221MRC	21	10 3/4	1 23/32	3/8	1 9/16	9/16
1222MRC	22	11 1/4	1 27/32	3/8	1 21/32	19/32
1224MRC	24	12	1 31/32	15/32	1 27/32	5/8
1225MRC	25	12 31/32	2 3/32	15/32	1 7/8	5/8

MWS-12RC 12 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRC	8	1212MRC	12	1216MRC	16
1209MRC	9	1213MRC	13	1217MRC	17
1210MRC	10	1214MRC	14	1218MRC	18
1211MRC	11	1215MRC	15	1219MRC	19

MWS-4RC 4 Piece Reversible Ratcheting Combination Wrench Set, Metric, in Roll Pouch – 50003

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
1221MRC	21	1224MRC	24
1222MRC	22	1225MRC	25

Features

- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



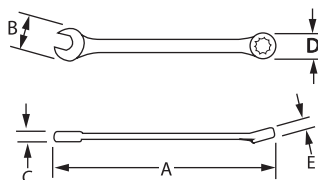
1219MRC



MWS-4RC



MWS-12RC



Flex-Head Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1210RCF	5/16	5 1/2	23/32	5/32	23/32	1/4
1212RCF	3/8	6 5/16	29/32	7/32	7/8	5/16
1214RCF	7/16	6 11/16	31/32	7/32	29/32	11/32
1216RCF	1/2	7 1/4	1 1/32	1/4	1	13/32
1218RCF	9/16	7 19/32	1 3/16	1/4	1 3/32	13/32
1220RCF	5/8	8 13/32	1 3/8	9/32	1 1/4	7/16
1222RCF	11/16	9	1 15/32	9/32	1 9/32	1/2
1224RCF	3/4	10	1 9/16	11/32	1 15/32	1/2

WS-1168RCF 8 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1210RCF	5/16	1216RCF	1/2	1222RCF	11/16
1212RCF	3/8	1218RCF	9/16	1224RCF	3/4
1214RCF	7/16	1220RCF	5/8		

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

Flex-Head Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1208MRCF	8	5 9/16	23/32	5/32	23/32	9/32
1209MRCF	9	6	13/16	5/32	25/32	5/16
1210MRCF	10	6 5/16	29/32	7/32	27/32	5/16
1211MRCF	11	6 3/4	31/32	7/32	29/32	11/32
1212MRCF	12	7	1 1/32	7/32	31/32	3/8
1213MRCF	13	7 11/16	1 1/16	1/4	1	13/32
1214MRCF	14	7 19/32	1 3/16	1/4	1 3/32	13/32
1215MRCF	15	8	1 1/4	9/32	1 5/32	7/16
1216MRCF	16	8 5/16	1 3/8	9/32	1 7/32	7/16
1217MRCF	17	9	1 15/32	9/32	1 9/32	1/2
1218MRCF	18	9 1/2	1 9/16	5/16	1 3/8	1/2
1219MRCF	19	10	1 9/16	11/32	1 15/32	17/32

MWS-12RCF 12 Piece Reversible Flex-Head Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCF	8	1212MRCF	12	1216MRCF	16
1209MRCF	9	1213MRCF	13	1217MRCF	17
1210MRCF	10	1214MRCF	14	1218MRCF	18
1211MRCF	11	1215MRCF	15	1219MRCF	19

Features

- Flex-Head pivots 90° in either direction for access in tight areas.
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.

WRENCHES

FLEX-HEAD REVERSIBLE COMBINATION WRENCHES



1216RCF



WS-1168RCF



1213MRCF



MWS-12RCF

Stubby Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A	B	C	D	E
		Overall Length (In)	Open End Width (In)	Open End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
1210RCS	$\frac{5}{16}$	$3\frac{1}{2}$	$\frac{23}{32}$	$\frac{5}{32}$	$\frac{23}{32}$	$\frac{9}{32}$
1212RCS	$\frac{3}{8}$	$3\frac{29}{32}$	$\frac{7}{8}$	$\frac{3}{16}$	$\frac{7}{8}$	$\frac{11}{32}$
1214RCS	$\frac{7}{16}$	4	$\frac{31}{32}$	$\frac{7}{32}$	$\frac{7}{8}$	$\frac{11}{32}$
1216RCS	$\frac{1}{2}$	$4\frac{1}{2}$	$1\frac{1}{16}$	$\frac{1}{4}$	1	$\frac{13}{32}$
1218RCS	$\frac{9}{16}$	$4\frac{11}{16}$	$1\frac{3}{16}$	$\frac{1}{4}$	$1\frac{3}{32}$	$\frac{13}{32}$
1220RCS	$\frac{5}{8}$	5	$1\frac{11}{32}$	$\frac{9}{32}$	$1\frac{7}{32}$	$\frac{15}{32}$
1222RCS	$\frac{11}{16}$	$5\frac{1}{4}$	$1\frac{1}{2}$	$\frac{9}{32}$	$1\frac{5}{16}$	$\frac{1}{2}$
1224RCS	$\frac{3}{4}$	$5\frac{1}{2}$	$1\frac{19}{32}$	$\frac{11}{32}$	$1\frac{15}{32}$	$\frac{17}{32}$

WS-1168RCS 8 Piece Reversible Stubby Ratcheting Combination Wrench Set, SAE, in Plastic Tray

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1210RCS	$\frac{5}{16}$	1216RCS	$\frac{1}{2}$	1222RCS	$\frac{11}{16}$
1212RCS	$\frac{3}{8}$	1218RCS	$\frac{9}{16}$	1224RCS	$\frac{3}{4}$
1214RCS	$\frac{7}{16}$	1220RCS	$\frac{5}{8}$		

Features

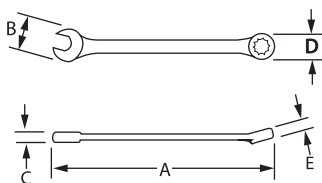
- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



1216RCS



WS-1168RCS



Stubby Reversible Ratcheting Combination Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
1208MRCS	8	3 1/2	23/32	5/32	23/32	9/32
1209MRCS	9	3 3/4	13/16	5/32	3/4	5/16
1210MRCS	10	3 27/32	7/8	3/16	7/8	11/32
1211MRCS	11	4 1/8	31/32	7/32	29/32	11/32
1212MRCS	12	4 1/4	1	7/32	15/16	3/8
1213MRCS	13	4 1/2	1	1/4	1	13/32
1214MRCS	14	4 11/16	1 5/32	1/4	1 3/32	13/32
1215MRCS	15	4 29/32	1 1/4	9/32	1 5/32	7/16
1216MRCS	16	5	1 3/8	9/32	1 1/4	15/32
1217MRCS	17	5 5/32	1 7/16	9/32	1 9/32	1/2
1218MRCS	18	5 1/4	1 1/2	5/16	1 3/8	1/2
1219MRCS	19	5 1/2	1 9/16	11/32	1 15/32	17/32

MWS-12RCS 12 Piece Reversible Stubby Ratcheting Combination Wrench Set, Metric, in Plastic Tray

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
1208MRCS	8	1212MRCS	12	1216MRCS	16
1209MRCS	9	1213MRCS	13	1217MRCS	17
1210MRCS	10	1214MRCS	14	1218MRCS	18
1211MRCS	11	1215MRCS	15	1219MRCS	19

Features

- Fine tooth design with dual-pawl mechanism for extra strength.
- High-polished chrome finish cleans easily.
- Ratchet lever is easily accessible for quick direction changes.
- Recessed corners in ends provide extra turning power.



MWS-12RCS



1213MRCS

WRENCHES

STUBBY REVERSIBLE COMBINATION WRENCHES

Double Head Open End Wrenches

Chrome Satin Finish, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Open End Width (In)	E Open End Thickness (In)
1020	1/4 X 5/16	4 1/16	9/16	5/32	11/16	3/16
1721	5/16 X 3/8	4 11/16	11/16	5/32	13/16	3/16
1723	3/8 X 1/2	5 5/16	13/16	3/16	15/16	7/32
1725	7/16 X 1/2	5 31/32	3/32	7/32	1 1/16	1/4
1725B	1/2 X 9/16	6 19/32	1 1/16	1/4	1 3/16	9/32
1727	9/16 X 5/8	7 9/32	1 3/16	9/32	1 5/16	9/32
1027B	5/8 X 11/16	7 31/32	1 5/16	5/16	1 7/16	5/16
1729	5/8 X 3/4	8 9/32	1 5/16	9/32	1 9/16	11/32
1729B	11/16 X 3/4	8 21/32	1 7/16	5/16	1 9/16	11/32
1731	3/4 X 13/16	9 11/32	1 9/16	11/32	1 11/16	3/8
1731A	3/4 X 7/8	9 11/16	1 19/32	11/32	1 27/32	3/8
1731B	13/16 X 7/8	10 1/32	1 11/16	3/8	1 13/16	3/8
1033A	7/8 X 15/16	10 3/4	1 13/16	3/8	1 15/16	13/32
1033C	15/16 X 1	11 1/2	1 15/16	13/32	2 1/32	13/32
1037	1 1/16 X 1 1/4	12 15/16	2 3/16	7/16	2 17/32	1/2
1037B	1 1/8 X 1 3/16	13 23/32	2 5/16	15/32	2 7/16	15/32
1038	1 1/4 X 1 5/16	15 9/32	2 9/16	1/2	2 11/16	17/32
1038A	1 3/8 X 1 7/16	16 7/8	2 13/16	17/32	2 15/16	17/32
1039B	1 1/2 X 1 5/8	18 29/32	3 1/16	9/16	3 5/16	19/32

Fed. Spec. ANSI B107.6

WS-1705A 5 Piece Double Head Open End Wrench Set, SAE, in Roll Pouch - R-3

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1723	3/8 X 1/2	1727	9/16 X 5/8	1731B	13/16 X 7/8
1725B	1/2 X 9/16	1729B	11/16 X 3/4		

WS-1710A 10 Piece Double Head Open End Wrench Set, SAE, in Roll Pouch - R-10

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1020	1/4 X 5/16	1727	9/16 X 5/8	1037	1 1/16 X 1 1/4
1723	3/8 X 1/2	1729B	11/16 X 3/4	1037B	1 1/8 X 1 3/16
1725	7/16 X 1/2	1731B	13/16 X 7/8		
1725B	1/2 X 9/16	1033C	15/16 X 1		

Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



1037



WS-1705A



WS-1710A





15°-60° Double Open End Angle-Head Wrenches

Chrome Satin Finish, SAE

Product Code	Size (In)	A Head Diameter	B Head Thickness	C Overall Length (In)
3712	$\frac{3}{8}$	$\frac{25}{32}$	$\frac{7}{32}$	$4\frac{3}{4}$
3714	$\frac{7}{16}$	$\frac{7}{8}$	$\frac{7}{32}$	5
3716	$\frac{1}{2}$	1	$\frac{7}{32}$	$5\frac{1}{2}$
3718	$\frac{9}{16}$	$1\frac{1}{8}$	$\frac{1}{4}$	6
3720	$\frac{5}{8}$	$1\frac{3}{16}$	$\frac{9}{32}$	$6\frac{1}{4}$
3722	$\frac{11}{16}$	$1\frac{5}{16}$	$\frac{9}{32}$	7
3724	$\frac{3}{4}$	$1\frac{7}{16}$	$\frac{9}{32}$	$7\frac{1}{4}$
3726	$\frac{13}{16}$	$1\frac{9}{16}$	$\frac{9}{32}$	$7\frac{1}{2}$
3728	$\frac{7}{8}$	$1\frac{21}{32}$	$\frac{9}{32}$	$8\frac{1}{4}$
3732	1	$1\frac{15}{16}$	$\frac{5}{16}$	$9\frac{3}{4}$
3734	$1\frac{1}{16}$	$2\frac{1}{16}$	$\frac{5}{16}$	10
3736	$1\frac{1}{8}$	$2\frac{1}{4}$	$\frac{5}{16}$	11
3740	$1\frac{1}{4}$	$2\frac{3}{8}$	$\frac{11}{32}$	$11\frac{1}{2}$
3744	$1\frac{3}{8}$	$2\frac{11}{16}$	$\frac{13}{32}$	$12\frac{1}{2}$
3746	$1\frac{7}{16}$	$2\frac{11}{16}$	$\frac{13}{32}$	$12\frac{1}{2}$
3748	$1\frac{1}{2}$	$2\frac{11}{16}$	$\frac{13}{32}$	$12\frac{1}{2}$
3750	$1\frac{5}{8}$	$3\frac{13}{64}$	$\frac{15}{32}$	$15\frac{3}{4}$
3754	$1\frac{11}{16}$	$3\frac{11}{32}$	$\frac{1}{2}$	$16\frac{1}{2}$
3756	$1\frac{3}{4}$	$3\frac{7}{16}$	$\frac{17}{32}$	17
3758	$1\frac{13}{16}$	$3\frac{9}{16}$	$\frac{17}{32}$	$17\frac{3}{4}$
3760	$1\frac{7}{8}$	$3\frac{11}{16}$	$\frac{9}{16}$	$18\frac{1}{2}$
3764	2	$3\frac{15}{16}$	$\frac{19}{32}$	$19\frac{1}{4}$

Fed. Spec. ANSI B107.39 Type 2 Class 3

3780 5 Piece Double Open End Wrench Set, SAE, in Roll Pouch

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
3712	$\frac{3}{8}$	3718	$\frac{9}{16}$
3714	$\frac{7}{16}$	3720	$\frac{5}{8}$
3716	$\frac{1}{2}$		

3782 10 Piece Double Open End Wrench Set, SAE, in Roll Pouch

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
3712	$\frac{3}{8}$	3722	$\frac{11}{16}$
3714	$\frac{7}{16}$	3724	$\frac{3}{4}$
3716	$\frac{1}{2}$	3726	$\frac{13}{16}$
3718	$\frac{9}{16}$	3728	$\frac{7}{8}$
3720	$\frac{5}{8}$	3732	1

Features

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily



3732



3780



3782

WRENCHES

DOUBLE HEAD OPEN END WRENCHES

Double Head Open End Wrenches

Chrome Satin Finish, Metric

Product Code	Size (MM)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Open End Width (In)	E Open End Thickness (In)
EWM-0607	6 x 7	3 13/16	17/32	5/32	19/32	5/32
EWM-0708	7 x 8	4 3/16	19/32	5/32	11/16	3/16
EWM-0910	9 x 10	5	3/4	3/16	27/32	7/32
EWM-1011	10 x 11	5 3/8	27/32	7/32	15/16	7/32
EWM-1213	12 x 13	6 3/16	1	1/4	1 3/32	1/4
EWM-1415	14 x 15	7 1/32	1 1/32	9/32	1 1/4	9/32
EWM-1618	16 x 18	8 3/32	1 5/16	5/16	1 15/32	11/32
EWM-1719	17 x 19	8 17/32	1 13/32	5/16	1 9/16	11/32
EWM-2124	21 x 24	10 17/32	1 23/32	3/8	1 15/16	13/32
EWM-2224	22 x 24	10 3/4	1 13/16	3/8	1 15/16	13/32
EWM-2427	24 x 27	11 29/32	1 15/16	13/32	2 3/16	7/16
EWM-2730	27 x 30	13 5/16	2 3/16	7/16	2 7/16	15/32
EWM-3032	30 x 32	14 1/2	2 7/16	15/32	2 9/16	1/2



EWM-1618

Fed. Spec. ANSI B107.9M

MWS-26 6 Piece Double Head Open End Wrench Set, Metric, in Roll Pouch - R-42

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0708	7 x 8	EWM-1213	12 x 13	EWM-1618	16 x 18
EWM-1011	10 x 11	EWM-1415	14 x 15	EWM-1719	17 x 19

MWS-31 10 Piece Double Head Open End Wrench Set, Metric, in Roll Pouch - R-11

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
EWM-0607	6 x 7	EWM-1415	14 x 15	EWM-2427	24 x 27
EWM-0708	7 x 8	EWM-1618	16 x 18	EWM-2730	27 x 30
EWM-1011	10 x 11	EWM-1719	17 x 19		
EWM-1213	12 x 13	EWM-2124	21 x 24		



MWS-26

MWS-31

Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



Short Double Head Open End Wrenches

Chrome Satin Finish, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Open End Width (In)	E Open End Thickness (In)
OES-0607	3/16 x 7/32	2 27/32	13/32	1/8	15/32	1/8
OES-0809	1/4 x 9/32	3 5/32	1/2	1/8	9/16	1/8
OES-1011	5/16 x 11/32	3 7/16	5/8	5/32	11/16	1/8
OES-1214	3/8 x 7/16	3 3/4	3/4	5/32	29/32	1/8
OES-1618	1/2 x 9/16	4 11/32	1	3/16	1 1/8	3/16

Fed. Spec. ANSI B107.6

WS-1605 5 Piece Short Double Head Open End Wrench Set, SAE, in Roll Pouch - R-1

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
OES-0607	3/16 x 7/32	OES-1011	5/16 x 11/32	OES-1618	1/2 x 9/16
OES-0809	1/4 x 9/32	OES-1214	3/8 x 7/16		

Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



OES-1011



WS-1605



30° Service Wrenches, SAE

Satin Chrome Finish, SAE

Product Code	Size (In)	Overall Length (In)	Head Diameter	Head Thickness
3524	3/4	6 1/4	1 11/16	1/4
3526	13/16	6 1/4	1 11/16	1/4
3528	7/8	6 1/4	1 11/16	1/4
3530	15/16	6 7/8	1 7/8	1/4
3532	1	6 7/8	1 7/8	1/4
3534	1 1/16	6 7/8	1 7/8	1/4
3536	1 1/8	7	2 1/16	1/4
3538	1 3/16	7	2 1/16	1/4
3540	1 1/4	7	2 1/16	1/4
3542	1 5/16	7 5/8	2 1/2	9/32
3544	1 3/8	7 5/8	2 1/2	9/32
3546	1 7/16	7 5/8	2 1/2	9/32
3548	1 1/2	7 5/8	2 1/2	9/32
3550	1 9/16	7 5/8	2 5/8	9/32
3552	1 5/8	7 5/8	2 5/8	9/32
3554	1 11/16	7 5/8	2 5/8	9/32
3556	1 3/4	8 1/2	3 1/8	5/16
3558	1 13/16	8 1/2	3 1/8	5/16
3560	1 7/8	8 1/2	3 1/8	5/16
3562	1 15/16	8 1/2	3 1/8	5/16
3564	2	8 1/2	3 1/2	5/16
3568	2 1/8	8 1/2	3 1/2	5/16
3572	2 1/4	8 1/2	3 1/2	5/16
3576	2 3/8	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3

WS-3510 10 Piece Service Wrench Set, SAE in Roll Pouch - R-13

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
3524	3/4	3534	1 1/16
3526	13/16	3536	1 1/8
3528	7/8	3538	1 3/16
3530	15/16	3540	1 1/4
3532	1	3544	1 3/8

Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish



WRENCHES

DOUBLE HEAD OPEN END WRENCHES



3542



WS-3510

30° Service Wrenches, Metric

Satin Chrome Finish, Metric

Product Code	Size (In)	Overall Length (In)	Head Diameter	Head Thickness
3519M	19	6 1/4	1 11/16	1/4
3521M	21	6 1/4	1 11/16	1/4
3522M	22	6 1/4	1 11/16	1/4
3524M	24	6 7/8	1 7/8	1/4
3527M	27	6 7/8	1 7/8	1/4
3530M	30	7	2 1/16	1/4
3532M	32	7	2 1/16	1/4
3536M	36	7 5/8	2 1/2	9/32
3537M	37	7 5/8	2 1/2	9/32
3538M	38	7 5/8	2 1/2	9/32
3540M	40	7 5/8	2 5/8	9/32
3541M	41	7 5/8	2 5/8	9/32
3542M	42	7 5/8	2 5/8	9/32
3544M	44	7 5/8	2 5/8	9/32
3546M	46	8 1/2	3 1/8	5/16
3548M	48	8 1/2	3 1/8	5/16
3550M	50	8 1/2	3 1/8	5/16
3552M	52	8 1/2	3 1/2	5/16
3555M	55	8 1/2	3 1/2	5/16
3560M	60	9 1/2	3 1/2	5/16
3565M	65	9 1/2	3 1/2	5/16

Fed. Spec: GGG-W-636E Type 17 Class 3

MWS-3510 10 Piece Service Wrench Set, MM in Roll Pouch - R-13

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)
3519M	19	3530M	30
3521M	21	3532M	32
3522M	22	3536M	36
3524M	24	3538M	38
3527M	27	3540M	40

Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish



3537M



MWS-3510





Miniature 15° x 75° Double Head Open End Wrenches

High Polish Chrome Finish, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Open End Width (In)	E Open End Thickness (In)
1112	3/16	3 1/8	15/32	1/8	15/32	1/8
1113	13/64	3 1/8	15/32	1/8	15/32	1/8
1114	7/32	3 1/8	15/32	1/8	15/32	1/8
1115	15/64	3 1/8	15/32	1/8	15/32	1/8
1116	1/4	3 1/8	15/32	1/8	15/32	1/8
1118	9/32	3 5/8	9/16	1/8	9/16	1/8
1120	5/16	3 5/8	9/16	1/8	9/16	1/8
1122	11/32	4 1/8	3/4	5/32	3/4	5/32
1124	3/8	4 1/8	3/4	5/32	3/4	5/32
1128	7/16	4 5/8	29/32	3/16	29/32	3/16
1132	1/2	4 9/16	29/32	3/16	29/32	3/16
1136	9/16	5 3/32	1 1/8	3/16	1 1/8	3/16
1140	5/8	5 1/16	1 1/8	3/16	1 1/8	3/16

WS-1113C 10 Piece Mini Open End Wrench & Plier Set, SAE, in Roll Pouch – R-36

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1112	3/16	1116	1/4	1124	3/8
1113	13/64	1118	9/32	5" SUPERJOINT® Utility Pliers	
1114	7/32	1120	5/16		
1115	15/64	1122	11/32		

WS-1142PC 14 Piece Mini Open End Wrench & Plier Set, SAE, in Roll Pouch – R-20

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
1112	3/16	1118	9/32	1132	1/2
1113	13/64	1120	5/16	1136	9/16
1114	7/32	1122	11/32	1140	5/8
1115	15/64	1124	3/8	5" SUPERJOINT® Utility Pliers	
1116	1/4	1128	7/16		

Features

- Excellent for fast turning of fasteners in limited clearance areas.
- Each wrench has the same size opening at both ends.
- 15° x 75° angled wrench openings permit maximum versatility in tight areas.



1122



WS-1113C



WS-1142PC

WRENCHES

DOUBLE HEAD OPEN END WRENCHES

Double Head 10° Offset Box End Wrenches

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
7723	$\frac{3}{8} \times \frac{7}{16}$	$7\frac{5}{8}$	$\frac{19}{32}$	$\frac{5}{16}$	$\frac{21}{32}$	$\frac{11}{32}$
7725B	$\frac{1}{2} \times \frac{9}{16}$	$8\frac{11}{16}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{27}{32}$	$\frac{3}{8}$
7727A	$\frac{5}{8} \times \frac{11}{16}$	$10\frac{5}{32}$	$\frac{29}{32}$	$\frac{7}{16}$	1	$\frac{15}{32}$
7029B	$\frac{11}{16} \times \frac{3}{4}$	$10\frac{15}{16}$	1	$\frac{15}{32}$	$1\frac{3}{32}$	$\frac{1}{2}$
7731A	$\frac{3}{4} \times \frac{7}{8}$	$12\frac{1}{32}$	$1\frac{3}{32}$	$\frac{1}{2}$	$1\frac{1}{4}$	$\frac{9}{16}$
7731B	$\frac{13}{16} \times \frac{7}{8}$	$12\frac{13}{32}$	$1\frac{3}{16}$	$\frac{17}{32}$	$1\frac{1}{4}$	$\frac{9}{16}$
7033C	$\frac{15}{16} \times 1$	$14\frac{1}{8}$	$1\frac{11}{32}$	$\frac{19}{32}$	$1\frac{7}{16}$	$\frac{5}{8}$
7038	$1\frac{1}{8} \times 1\frac{3}{16}$	$16\frac{3}{32}$	$1\frac{19}{32}$	$\frac{11}{16}$	$1\frac{11}{16}$	$\frac{11}{16}$
7039B	$1\frac{1}{4} \times 1\frac{5}{16}$	$17\frac{5}{8}$	$1\frac{25}{32}$	$\frac{23}{32}$	$1\frac{27}{32}$	$\frac{3}{4}$

Fed. Spec. ANSI B107.6

WS-7707 7 Piece Double Head 10° Offset Box End Wrench Set, SAE, in Roll Pouch – R-23

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
7723	$\frac{3}{8} \times \frac{7}{16}$	7029B	$\frac{11}{16} \times \frac{3}{4}$	7033C	$\frac{15}{16} \times 1$
7725B	$\frac{1}{2} \times \frac{9}{16}$	7731A	$\frac{3}{4} \times \frac{7}{8}$		
7727A	$\frac{5}{8} \times \frac{11}{16}$	7731B	$\frac{13}{16} \times \frac{7}{8}$		



Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.



7725B



WS-7707



Double Head 10° Offset Box End Wrenches

Chrome Satin Finish, 12 Point, Metric

Product Code	Size (MM)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
BWM-0810	8 x 10	7 ⁵ / ₁₆	1/2	9/32	19/32	5/16
BWM-1011	10 x 11	7 ³¹ / ₃₂	19/32	5/16	21/32	11/32
BWM-1012	10 x 12	8 ³ / ₁₆	19/32	5/16	23/32	11/32
BWM-1113	11 x 13	8 ⁵ / ₈	21/32	11/32	25/32	3/8
BWM-1213	12 x 13	8 ²⁷ / ₃₂	25/32	11/32	25/32	3/8
BWM-1214	12 x 14	9 ¹ / ₁₆	23/32	11/32	13/16	13/32
BWM-1315	13 x 15	9 ¹ / ₂	25/32	3/8	7/8	13/32
BWM-1415	14 x 15	9 ³ / ₄	13/16	13/32	7/8	13/32
BWM-1417	14 x 17	9 ²⁵ / ₃₂	13/16	13/32	31/32	15/32
BWM-1618	16 x 18	10 ²⁷ / ₃₂	15/16	7/16	1 1/32	15/32
BWM-1719	17 x 19	11 ⁹ / ₃₂	31/32	15/32	1 3/32	1/2
BWM-1821	18 x 21	11 ¹⁵ / ₁₆	1 3/32	15/32	1 3/16	17/32
BWM-1922	19 x 22	12 ³ / ₈	1 3/32	1/2	1 1/4	9/16
BWM-2124	21 x 24	13 ¹ / ₄	1 3/16	17/32	1 11/32	19/32
BWM-2224	22 x 24	13 ¹⁵ / ₃₂	1 1/4	9/16	1 11/32	19/32
BWM-2427	24 x 27	14 ¹⁹ / ₃₂	1 11/32	19/32	1 17/32	21/32
BWM-2730	27 x 30	15 ²⁹ / ₃₂	1 17/32	21/32	1 11/16	11/16
BWM-3032	30 x 32	17 ¹ / ₃₂	1 11/16	11/16	1 25/32	23/32

Fed. Spec. ANSI B107.9M

MWS-BWM10 10 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Roll Pouch – R-11

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BWM-0810	8 x 10	BWM-1618	16 x 18	BWM-2730	27 x 30
BWM-1113	11 x 13	BWM-1719	17 x 19	BWM-3032	30 x 32
BWM-1214	12 x 14	BWM-1922	19 x 22		
BWM-1415	14 x 15	BWM-2124	21 x 24		

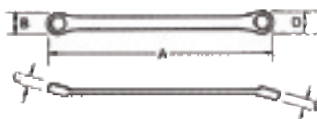
MWS-BWM12 12 Piece Double Head 10° Offset Box End Wrench Set, Metric, in Roll Pouch – R-49

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
BWM-1011	10 x 11	BWM-1417	14 x 17	BWM-1922	19 x 22
BWM-1214	12 x 14	BWM-1618	16 x 18	BWM-2224	22 x 24
BWM-1315	13 x 15	BWM-1719	17 x 19	BWM-2730	27 x 30
BWM-1415	14 x 15	BWM-1821	18 x 21	BWM-3032	30 x 32

Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.



BWM-1012



MWS-BWM10



MWS-BWM12

WRENCHES

SET WRENCHES DOUBLE HEADED EYE

Double Head 60° Offset Box End Wrenches

Chrome Satin Finish, 12 Point, SAE

Product Code	Size (In)	A	B	C	D	E
		Overall Length (In)	Box End Diameter (In)	Box End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
8720	$\frac{1}{4} \times \frac{5}{16}$	$6 \frac{7}{16}$	$\frac{13}{32}$	$\frac{1}{4}$	$\frac{15}{32}$	$\frac{9}{32}$
8723	$\frac{3}{8} \times \frac{7}{16}$	$7 \frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{16}$	$\frac{21}{32}$	$\frac{5}{16}$
8725	$\frac{7}{16} \times \frac{1}{2}$	$8 \frac{3}{16}$	$\frac{21}{32}$	$\frac{11}{32}$	$\frac{3}{4}$	$\frac{11}{32}$
8725B	$\frac{1}{2} \times \frac{9}{16}$	$8 \frac{25}{32}$	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{27}{32}$	$\frac{3}{8}$
8727	$\frac{9}{16} \times \frac{5}{8}$	$9 \frac{3}{8}$	$\frac{27}{32}$	$\frac{13}{32}$	$\frac{29}{32}$	$\frac{13}{32}$
8727A	$\frac{5}{8} \times \frac{11}{16}$	$9 \frac{31}{32}$	$\frac{29}{32}$	$\frac{7}{16}$	1	$\frac{7}{16}$
8729	$\frac{5}{8} \times \frac{3}{4}$	$10 \frac{1}{4}$	$\frac{15}{16}$	$\frac{7}{16}$	$1 \frac{3}{32}$	$\frac{7}{16}$
8729A	$\frac{11}{16} \times \frac{13}{16}$	$10 \frac{27}{32}$	1	$\frac{15}{32}$	$1 \frac{3}{16}$	$\frac{15}{32}$
8731A	$\frac{3}{4} \times \frac{7}{8}$	$11 \frac{7}{16}$	$1 \frac{3}{32}$	$\frac{17}{32}$	$1 \frac{9}{32}$	$\frac{17}{32}$
8033A	$\frac{7}{8} \times \frac{15}{16}$	13	$1 \frac{9}{32}$	$\frac{9}{16}$	$1 \frac{3}{8}$	$\frac{9}{16}$
8033C	$\frac{15}{16} \times 1$	$13 \frac{31}{32}$	$1 \frac{3}{8}$	$\frac{19}{32}$	$1 \frac{7}{16}$	$\frac{19}{32}$

Fed. Spec. ANSI B107.6

WS-8707 7 Piece Double Head 60° Offset Box End Wrench Set, SAE, in Roll Pouch – R-23

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
8720	$\frac{1}{4} \times \frac{5}{16}$	8729	$\frac{5}{8} \times \frac{3}{4}$	8033C	$\frac{15}{16} \times 1$
8723	$\frac{3}{8} \times \frac{7}{16}$	8729A	$\frac{11}{16} \times \frac{13}{16}$		
8725B	$\frac{1}{2} \times \frac{9}{16}$	8731A	$\frac{3}{4} \times \frac{7}{8}$		



Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 60° offset box end allows extra knuckle and bolt clearance in tight areas.
- Sizes are clearly marked on handle ends.



8725B



WS-8707





Single Head Ratcheting Box Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A	Product Code	Size (In)	A
		Overall Length (In)			Overall Length (In)
RB-42	1 ⁵ / ₁₆	15 ¹ / ₂	RB-54	1 ¹¹ / ₁₆	19
RB-44	1 ³ / ₈	15 ¹ / ₂	RB-56	1 ³ / ₄	19
RB-46	1 ⁷ / ₁₆	15 ¹ / ₂	RB-58	1 ¹³ / ₁₆	19
RB-48	1 ¹ / ₂	15 ¹ / ₂	RB-60	1 ⁷ / ₈	19
RB-50	1 ⁹ / ₁₆	15 ¹ / ₂	RB-64	2	19
RB-52	1 ⁵ / ₈	15 ¹ / ₂	RB-68	2 ¹ / ₈	19



Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.



RB-52



Single Head Ratcheting Box Wrenches

High Polish Chrome Finish, 12 Point, Metric

Product Code	Size (MM)	A	Product Code	Size (MM)	A
		Overall Length (In)			Overall Length (In)
RBM-22	22	12	RBM-27	27	12
RBM-23	23	12	RBM-29	29	12
RBM-24	24	12	RBM-30	30	12
RBM-25	25	12	RBM-32	32	15 ¹ / ₂
RBM-26	26	12	RBM-36	36	15 ¹ / ₂



Features

- Combines the quick ratcheting action with opening sizes large enough to handle most industrial applications.
- Requires less effort than a conventional combination wrench.
- All wrenches contain 12-point Torque Grip® wheels.
- Ideal for long "bolt-through" applications.



RBM-52

WRENCHES

SINGLE HEAD RATCHETING BOX WRENCHES



Double Head Ratcheting Box Wrenches

High Polish Chrome Finish, 6 & 12 Point, SAE

Product Code	Number of Points	Size (In)	A	B	C	D	E
			Overall Length (In)	Box End Diameter (In)	Box End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
RB-810	6	1/4 x 5/16	4 1/4	19/32	3/8	11/16	3/8
RB-1214	6	3/8 x 7/16	5 1/2	25/32	3/8	7/8	3/8
RB-1618	6	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2
RB-1820	12	9/16 x 5/8	8 1/8	1 5/16	1/2	1 7/16	1/2
RB-2022	12	5/8 x 11/16	8 1/8	1 5/16	1/2	1 7/16	1/2
RB-2024	12	5/8 x 3/4	8 1/8	1 5/16	1/2	1 7/16	1/2
RB-2428	12	3/4 x 7/8	9 1/4	1 13/32	1/2	1 9/16	1/2
RB-3036	12	15/16 x 1 1/8	15 1/8	1 21/32	9/16	2 9/32	9/16
RB-3440	12	1 1/16 x 1 1/4	15 1/8	1 29/32	9/16	2 9/32	9/16

WS-12 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, SAE, in Roll Pouch – R-3

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
RB-810	1/4 x 5/16	RB-1618	1/2 x 9/16	RB-2428	3/4 x 7/8
RB-1214	3/8 x 7/16	RB-2022	5/8 x 11/16		



Features

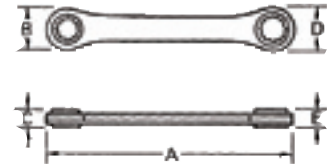
- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.



RB-1618



WS-12



Double Head Ratcheting Box Wrenches

High Polish Chrome Finish, 6 & 12 Point, Metric

Product Code	Number of Points	Size (MM)	A	B	C	D	E
			Overall Length (In)	Box End Diameter (In)	Box End Thickness (In)	Box End Diameter (In)	Box End Thickness (In)
RBM-0708	6	7 x 8	4 1/2	11/16	3/8	11/32	3/8
RBM-0910	6	9 x 10	5 1/2	7/8	3/8	7/8	3/8
RBM-1112	6	11 x 12	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1314	6	13 x 14	6 7/8	1 3/16	1/2	1 1/8	1/2
RBM-1517	12	15 x 17	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1618	12	16 x 18	8 1/8	1 7/16	1/2	1 7/16	1/2
RBM-1921	12	19 x 21	9 1/4	1 9/16	1/2	1 9/16	1/2

MWS-30 5 Piece Ratcheting Box Wrench Set, 6 & 12 Point, Metric, in Roll Pouch – R-3

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
RBM-0708	7 x 8	RBM-1112	11 x 12	RBM-1517	15 x 17
RBM-0910	9 x 10	RBM-1314	13 x 14		

Features

- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.
- Flat handle allows access to tight clearance areas.



RBM-1314



MWS-30



Double Head 25° Offset Ratcheting Box Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
RBO-810	$\frac{1}{4} \times \frac{5}{16}$	$4\frac{1}{4}$	$\frac{19}{32}$	$\frac{3}{8}$	$\frac{21}{32}$	$\frac{3}{8}$
RBO-1214	$\frac{3}{8} \times \frac{7}{16}$	$5\frac{7}{16}$	$\frac{25}{32}$	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{3}{8}$
RBO-1618	$\frac{1}{2} \times \frac{9}{16}$	$6\frac{3}{4}$	1	$\frac{1}{2}$	$1\frac{5}{32}$	$\frac{1}{2}$
RBO-2022	$\frac{5}{8} \times \frac{11}{16}$	8	$1\frac{5}{16}$	$\frac{1}{2}$	$1\frac{7}{16}$	$\frac{1}{2}$
RBO-2024	$\frac{5}{8} \times \frac{3}{4}$	8	$1\frac{5}{16}$	$\frac{1}{2}$	$1\frac{7}{16}$	$\frac{1}{2}$
RBO-2226	$\frac{11}{16} \times \frac{13}{16}$	$9\frac{1}{8}$	$1\frac{13}{32}$	$\frac{1}{2}$	$1\frac{9}{16}$	$\frac{1}{2}$
RBO-2428	$\frac{3}{4} \times \frac{7}{8}$	$9\frac{1}{8}$	$1\frac{13}{32}$	$\frac{1}{2}$	$1\frac{9}{16}$	$\frac{1}{2}$
RBO-2630	$\frac{13}{16} \times \frac{15}{16}$	$9\frac{1}{8}$	$1\frac{13}{32}$	$\frac{1}{2}$	$1\frac{9}{16}$	$\frac{1}{2}$

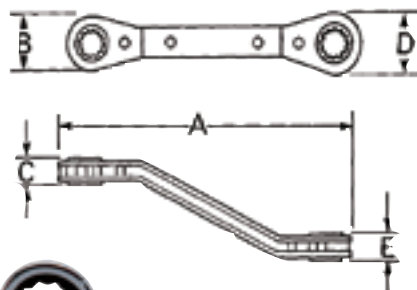
WS-5 5 Piece Offset Ratcheting Box Wrench Set, 12 Point, SAE, in Roll Pouch – R-3

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
RBO-810	$\frac{1}{4} \times \frac{5}{16}$	RBO-1618	$\frac{1}{2} \times \frac{9}{16}$	RBO-2428	$\frac{3}{4} \times \frac{7}{8}$
RBO-1214	$\frac{3}{8} \times \frac{7}{16}$	RBO-2022	$\frac{5}{8} \times \frac{11}{16}$		

Features

- 25° offset handle clears obstructions that flat handle wrenches cannot.
- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.



WS-5



RBO-1618

WRENCHES

DOUBLE HEAD RATCHETING BOX WRENCHES

Double Head 25° Offset Ratcheting Box Wrenches

High Polish Chrome Finish, 12 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)	D Box End Diameter (In)	E Box End Thickness (In)
RBO-810	1/4 x 5/16	4 1/4	19/32	3/8	21/32	3/8
RBO-1214	3/8 x 7/16	5 7/16	25/32	3/8	7/8	3/8
RBO-1618	1/2 x 9/16	6 3/4	1	1/2	1 5/32	1/2
RBO-2022	5/8 x 11/16	8	1 5/16	1/2	1 7/16	1/2
RBO-2024	5/8 x 3/4	8	1 5/16	1/2	1 7/16	1/2
RBO-2226	11/16 x 13/16	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2428	3/4 x 7/8	9 1/8	1 13/32	1/2	1 9/16	1/2
RBO-2630	13/16 x 15/16	9 7/8	1 13/32	1/2	1 9/16	1/2

WS-5 5 Piece Offset Ratcheting Box Wrench Set, 12 Point, SAE, in Roll Pouch – R-3

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
RBO-810	1/4 x 5/16	RBO-1618	1/2 x 9/16	RBO-2428	3/4 x 7/8
RBO-1214	3/8 x 7/16	RBO-2022	5/8 x 11/16		

Features

- 25° offset handle clears obstructions that flat handle wrenches cannot.
- Allows fast removal of fasteners with a ratcheting action at each end.
- Ideal for long "bolt-through" applications.



RFW-24

Double Head Flare Nut Wrenches

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (In)	A Overall Length (In)	B Open End Dia (In)	C Open End Thickness (In)	D Open End Dia (In)	E Open End Thickness (In)
XFN-0810	1/4 x 5/16	4 27/32	19/32	1/4	5/8	9/32
XFN-1214	3/8 x 7/16	5 13/16	25/32	5/16	27/32	11/32
XFN-1618	1/2 x 9/16	6 13/16	15/16	3/8	1	13/32
XFN-2022	5/8 x 11/16	7 3/4	1 3/32	7/16	3/16	15/32
XFN-2432	3/4 x 1	9 1/2	1 1/4	1/2	19/32	5/8
XFN-2836	7/8 x 1 1/8	10.5	1 7/16	9/16	1 3/4	11/16

Fed. Spec.: ANSI B107.6

WS-14 5 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Roll Pouch – R-4

Contents Include:

Product Code	Size (In)	Product Code	Size (In)	Product Code	Size (In)
XFN-1214	3/8 x 7/16	XFN-2022	5/8 x 11/16	XFN-2836	7/8 x 1 1/8
XFN-1618	1/2 x 9/16	XFN-2432	3/4 x 1		

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



XFN-1618



WS-14





Double Head Flare Nut Wrenches

Chrome Satin Finish, 6 Point, SAE

Product Code	Size (In)	A	B	C	D	E
		Overall Length (In)	Open End Dia (In)	Open End Thickness (In)	Open End Dia (In)	Open End Thickness (In)
10600	$\frac{3}{8} \times \frac{7}{16}$	6	$\frac{27}{32}$	$\frac{11}{32}$	$\frac{15}{16}$	$\frac{11}{32}$
10602	$\frac{1}{2} \times \frac{9}{16}$	$6\frac{3}{4}$	$\frac{15}{16}$	$\frac{13}{32}$	1	$\frac{13}{32}$
10604	$\frac{5}{8} \times \frac{11}{16}$	$7\frac{3}{4}$	$1\frac{3}{32}$	$\frac{7}{16}$	$1\frac{3}{16}$	$\frac{15}{32}$
10606	$\frac{3}{4} \times \frac{7}{8}$	$8\frac{5}{8}$	$1\frac{9}{32}$	0.5	$1\frac{13}{32}$	$\frac{17}{32}$

Fed. Spec.: ANSI B107.6

11690 4 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Vinyl Pouch – 50001

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
10600	$\frac{3}{8} \times \frac{7}{16}$	10604	$\frac{5}{8} \times \frac{11}{16}$
10602	$\frac{1}{2} \times \frac{9}{16}$	10606	$\frac{3}{4} \times \frac{7}{8}$

11691 3 Piece Double Head Flare Nut Wrench Set, 6 Point, SAE, in Vinyl Pouch – 50001

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
10600	$\frac{3}{8} \times \frac{7}{16}$	10604	$\frac{5}{8} \times \frac{11}{16}$
10602	$\frac{1}{2} \times \frac{9}{16}$		

Features

- Will not mar fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



Double Head Flare Nut Wrenches

Chrome Satin Finish, 6 Point, Metric

Product Code	Size (MM)	A	B	C	D	E
		Overall Length (In)	Open End Dia (In)	Open End Thickness (In)	Open End Dia (In)	Open End Thickness (In)
10650	9 x 11	$5\frac{11}{16}$	$\frac{13}{16}$	$\frac{11}{32}$	$\frac{15}{16}$	$\frac{5}{16}$
10652	10 x 12	$6\frac{1}{8}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{29}{32}$	$\frac{5}{16}$
10654	13 x 14	$6\frac{7}{8}$	1	$\frac{3}{8}$	$1\frac{3}{32}$	$\frac{3}{8}$
10656	15 x 17	$7\frac{7}{8}$	$1\frac{1}{16}$	$\frac{7}{16}$	$1\frac{7}{32}$	$\frac{1}{2}$
10658	19 x 21	$8\frac{7}{8}$	$1\frac{9}{32}$	$\frac{1}{2}$	$1\frac{13}{32}$	$\frac{17}{32}$

Fed. Spec.: ANSI B107.9M

11692 5 Piece Double Head Flare Nut Wrench Set, 6 Point, Metric, in Vinyl Pouch – 50001

Contents Include:

Product Code	Size (MM)	Product Code	Size (MM)	Product Code	Size (MM)
10650	9 x 11	10654	13 x 14	10658	19 x 21
10652	10 x 12	10656	15 x 17		

Features

- Will not damage fittings on pipes and tubing.
- Satin chrome textured finish provides great feel and extra gripping power.
- Recessed corners in ends provide extra turning power.



WRENCHES

DOUBLE HEAD FLARE NUT WRENCHES



10600



11690



11691



10650



11692

Adjustable Wrenches

Heavy Duty Industrial Grade Adjustable Wrenches

Product Code	Length (In)	Maximum Jaw Opening (In)	Head Thickness (In)
Chrome Finish:			
13404	4	$\frac{1}{2}$	$\frac{11}{32}$
13406	6	$\frac{15}{16}$	$\frac{7}{16}$
13408	8	$1\frac{3}{16}$	$\frac{1}{2}$
13410	10	$1\frac{3}{8}$	$\frac{5}{8}$
13412	12	$1\frac{5}{8}$	$\frac{23}{32}$
13415	15	$1\frac{25}{32}$	$\frac{15}{16}$
13418	18	$2\frac{3}{16}$	$1\frac{1}{8}$
13424	24	$2\frac{7}{16}$	$1\frac{1}{8}$
Black Phosphate Finish:			
13604	4	$\frac{1}{2}$	$\frac{11}{32}$
13606	6	$\frac{15}{16}$	$\frac{7}{16}$
13608	8	$1\frac{3}{16}$	$\frac{1}{2}$
13610	10	$1\frac{3}{8}$	$\frac{5}{8}$
13612	12	$1\frac{5}{8}$	$\frac{23}{32}$
13615	15	$1\frac{25}{32}$	$\frac{15}{16}$
13618	18	$2\frac{3}{16}$	$1\frac{1}{8}$
13624	24	$2\frac{7}{16}$	$1\frac{1}{8}$

Fed. Spec.: ANSI B107.8M

13342 4 Piece Chrome Adjustable Wrench Set, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
13406	6	13410	10
13408	8	13412	12

13642 4 Piece Black Adjustable Wrench Set, in Vinyl Pouch – 50005

Contents Include:

Product Code	Size (In)	Product Code	Size (In)
13606	6	13610	10
13608	8	13612	12

Features

- Measurement scale on head conveniently shows fastener size.
- Chrome wrenches are fully polished for easy clean-up.
- Exceed ANSI specifications for strength.
- Precision hardened and anti-corrosion treated.



13404



13610



13342



13642



Adjustable Wrench

Chrome Finish

Product Code	Length (In)	Maximum Jaw Opening (In)	Head Thickness (In)
AP-4A	4	$\frac{1}{2}$	$\frac{11}{32}$
AP-6A	6	$\frac{3}{4}$	$\frac{7}{16}$
AP-8A	8	1	$\frac{1}{2}$
AP-10A	10	$1 \frac{11}{64}$	$\frac{39}{64}$
AP-12A	12	$1 \frac{5}{16}$	$\frac{23}{32}$
AP-15A	15	$1 \frac{11}{16}$	$\frac{51}{64}$
AP-18A	18	$2 \frac{1}{16}$	$\frac{57}{64}$
AP-24A	24	$2 \frac{7}{16}$	$1 \frac{6}{64}$

Features

- Chrome plated finish allows for easy cleaning after each use.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



AP-10A

WRENCHES

ADJUSTABLE WRENCH SETS



Adjustable Wrench

Black Finish

Product Code	Length (In)	Maximum Jaw Opening (In)	Head Thickness (In)
AB-4A	4	$\frac{1}{2}$	$\frac{11}{32}$
AB-6A	6	$\frac{3}{4}$	$\frac{7}{16}$
AB-8A	8	1	$\frac{1}{2}$
AB-10A	10	$1 \frac{11}{64}$	$\frac{39}{64}$
AB-12A	12	$1 \frac{5}{16}$	$\frac{23}{32}$
AB-15A	15	$1 \frac{11}{16}$	$\frac{51}{64}$
AB-18A	18	$2 \frac{1}{16}$	$\frac{57}{64}$
AB-24A	24	$2 \frac{7}{16}$	$1 \frac{6}{64}$

Features

- Drop forged, heat treated industrial finish with satin finish handles for firm safe grip.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



AB-10A



Adjustable Wrench

Comfort Grip

Product Code	Length (In)	Maximum Jaw Opening (In)	Head Thickness (In)
APC-6A	4	$\frac{3}{4}$	$\frac{7}{8}$
APC-8A	6	1	$\frac{1}{2}$
APC-10A	10	$1 \frac{11}{64}$	$\frac{39}{64}$
APC-12A	12	$1 \frac{5}{6}$	$\frac{23}{32}$

Features

- Comfort thermoplastic grips cushion the handle surface and stay comfortable even in extreme temperatures.
- Chrome plated finish allows for easy cleaning.
- Serrated knurl is designed for quick and smooth adjustments.
- I-Beam designed handle provides strength and durability.
- Inch (SAE) scale is laser-etched on head face for easy determination of bolt head width.



APC-10A



Adjustable Construction Wrench

Heavy-Duty With Polished Head and Measurement Scales

Product Code	Length (In)	Maximum Jaw Opening (In)	Head Thickness (In)
13625	16	1 1/2	23/32

Features

- Tapered spud handle locates and aligns bolts and rivets.
- Hole in handle permits tethering wrench for safety.
- Measurement scale on head conveniently shows fastener size.
- Economical black phosphate finish resists rust.



13625



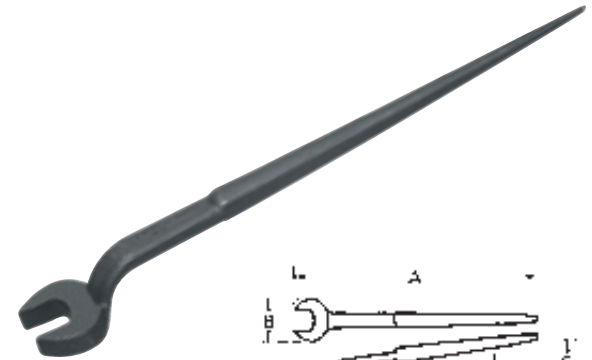
Single Head Open End Offset Structural Wrenches

Industrial Black Finish, SAE

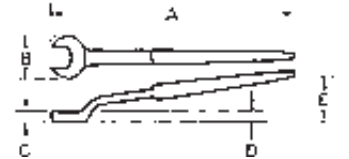
Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)	D Handle Offset (In)
1904A	3/4	11 9/16	1 19/32	15/32	7/8
1905	7/8	14 5/16	2 3/32	9/16	1
1906	1 1/8	14 3/16	1 31/32	19/32	1
1906B	1 1/16	14 1/16	2	19/32	1
1907	1 1/16	16 13/16	2 5/32	5/8	1 1/8
1907A	1 1/8	16 13/16	2 1/32	5/8	1 1/8
1908	1 1/4	17 11/16	2 23/32	11/8	1 1/4
1908A	1 5/16	18 3/4	2 13/16	23/32	1 1/4
1909	1 7/16	19 3/4	3 5/32	25/32	1 1/4
1909A	1 1/16	19 7/16	3 5/32	25/32	1 1/2
1910	1 5/8	21 1/16	3 7/32	7/32	1 1/2
1911	1 13/16	23	3 3/32	1 3/8	1 5/8
1911A	1 7/16	22 13/16	3 25/32	31/32	1 5/8
1912	2	23 3/4	4 7/32	31/32	1 5/8

Features

- Long offset handle is designed for clearance of obstructions while providing greater leverage.
- Tapered spud handle locates and aligns bolt and rivet holes.



1906B



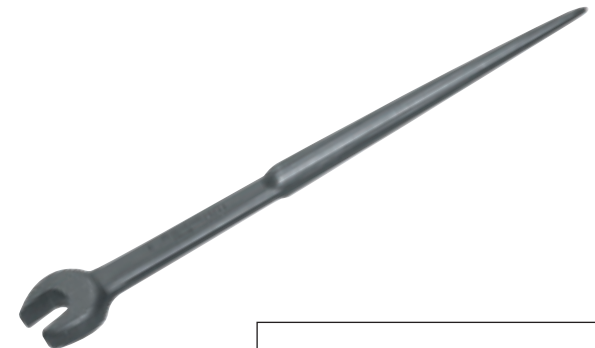
Single Head Open End Construction Wrenches

Industrial Black Finish, SAE

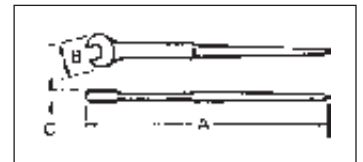
Product Code	Size (In)	A Overall Length (In)	B Open End Width (In)	C Open End Thickness (In)
204A	3/4	12	1 23/32	15/32
205	7/8	14 1/4	2 1/32	19/32
206	1 1/8	14 3/4	2 1/16	19/32
206B	1	13 1/4	2 3/8	1/2
207	1 1/16	16 9/16	2 7/16	11/32
207A	1 1/8	17	2 9/16	23/16
Q-208	1 1/4	18 15/16	2 23/32	3/32
208A	1 5/16	19	2 27/32	27/4
209	1 7/16	21 1/8	3 3/32	13/32
209A	1 1/2	18 3/8	2 3/8	7/16
Q-210	1 5/8	22 11/16	3 21/32	1 1/32
211	1 13/16	25	4 1/2	1 1/16
211A	1 7/8	25 1/8	4 9/16	

Features

- 15° open end provides two gripping angles when wrench is turned over.
- Tapered spud handle locates and aligns bolt and rivet holes.



206B



Offset Structural Box Wrenches

Industrial Black Finish, SAE

Product Code	Size (In)	A Overall Length (In)	B Head Diameter (In)	C Offset at End
8905A	1 ³ / ₁₆	12	1 ¹⁵ / ₃₂	1 ²⁵ / ₃₂
8905	7 ⁷ / ₈	12	1 ¹⁵ / ₃₂	1 ²⁵ / ₃₂
8906	1 ¹⁵ / ₁₆	12	1 ⁵ / ₈	1 ⁶¹ / ₆₄
8906B	1	12	1 ⁵ / ₈	1 ⁶¹ / ₆₄
8907	1 ¹ / ₁₆	15	1 ⁵³ / ₆₄	2 ⁹ / ₆₄
8907A	1 ¹ / ₈	15	1 ⁵³ / ₆₄	2 ⁹ / ₆₄
8908	1 ¹ / ₄	17	2 ⁵ / ₆₄	2 ²¹ / ₆₄
8908A	1 ⁵ / ₁₆	17	2 ⁵ / ₆₄	2 ²¹ / ₆₄
8909	1 ⁷ / ₁₆	21	2 ³ / ₈	2 ³ / ₄
8909A	1 ¹ / ₂	21	2 ³ / ₈	2 ³ / ₄
8910	1 ⁵ / ₈	22	2 ⁵ / ₈	2 ⁷ / ₈
8910A	1 ¹¹ / ₁₆	22	2 ⁵ / ₈	2 ⁷ / ₈
8911	1 ¹³ / ₁₆	23	2 ²⁹ / ₃₂	3
8911A	1 ⁷ / ₈	23	2 ²⁹ / ₃₂	3
8912	2	24 ¹ / ₂	3 ⁵ / ₃₂	3 ⁵ / ₃₂
8913	2 ³ / ₁₆	26	3 ¹⁵ / ₃₂	3 ¹ / ₂
8914	2 ³ / ₈	28	3 ²³ / ₃₂	3 ¹¹ / ₁₆
8915	2 ⁹ / ₁₆	30	3 ²⁹ / ₃₂	3 ¹³ / ₁₆
8916	2 ³ / ₄	30	4 ⁵ / ₃₂	3 ²⁹ / ₃₂

Fed. Spec: GGG-W-636E Type 9 Class 2



Features

- Offset from handle to permit clearance of obstructions
- Handles are tapered for insertion into bolt holes
- Industrial Black Finish



WRENCHES

WRENCHES ENGLISH, CONSTRUCTION AND STRUCTURAL

Adjustable Pin Spanner Wrenches

Industrial Black Finish, SAE

Product Code	Span Diameter (In)	Pin Diameter (In)	Pin Length (In)	Overall Length (In)
O-471	3 ³ / ₄ to 2	1 ¹ / ₈	5 ¹ / ₈	5 ³ / ₈
O-471A	3 ³ / ₄ to 2	3 ³ / ₁₆	5 ⁵ / ₃₂	5 ³ / ₈
O-472	1 ¹ / ₄ to 3	3 ¹ / ₁₆	3 ³ / ₃₂	6 ⁷ / ₈
O-472A	1 ¹ / ₄ to 3	7 ¹ / ₁₆	7 ¹ / ₃₂	6 ⁷ / ₈
O-474	2 to 4 ³ / ₄	1 ¹ / ₄	1 ¹ / ₃₂	9 ¹ / ₈
O-474A	4 ¹ / ₂ to 6 ¹ / ₄	3 ³ / ₈	1 ¹ / ₄	9 ⁷ / ₈

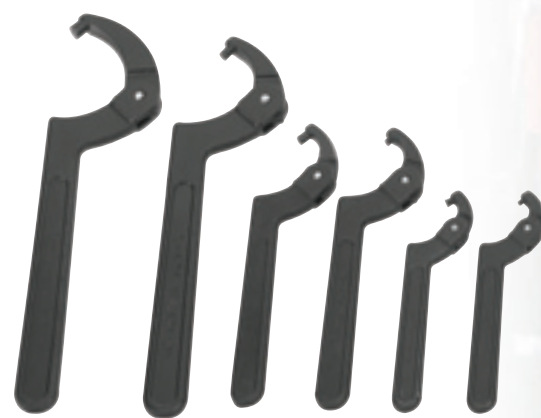
WS-476 6-Piece Adjustable Pin Spanner Wrench Set, in Roll Pouch – R-31

Contents Include:

Product Code	Overall Length (In)	Product Code	Overall Length (In)
O-471	5 ³ / ₈	O-472A	6 ⁷ / ₈
O-471A	5 ³ / ₈	O-474	9 ¹ / ₈
O-472	6 ⁷ / ₈	O-474A	9 ⁷ / ₈

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.



WS-476

Adjustable Hook Spanner Wrenches

Industrial Black Finish, SAE

Product Code	Span Diameter (In)	Hook Depth (In)	Hook Thickness (In)	Overall Length (In)
471	$\frac{3}{4}$ to 2	$\frac{1}{8}$	$\frac{11}{32}$	$5\frac{3}{8}$
472	$1\frac{1}{4}$ to 3	$\frac{5}{32}$	$\frac{13}{32}$	$7\frac{1}{8}$
474	2 to $4\frac{3}{4}$	$\frac{3}{16}$	$\frac{15}{32}$	$11\frac{1}{2}$
474A	$4\frac{1}{2}$ to $6\frac{1}{4}$	$\frac{1}{4}$	$\frac{15}{32}$	$17\frac{1}{2}$
474B	$6\frac{1}{8}$ to $8\frac{3}{4}$	$\frac{5}{16}$	$\frac{15}{32}$	$18\frac{1}{2}$

WS-474 4-Piece Adjustable Hook Spanner Wrench Set, in Roll Pouch – R-5

Product Code	Overall Length (In)	Product Code	Overall Length (In)
471	$5\frac{3}{8}$	474	$11\frac{1}{2}$
472	$7\frac{1}{8}$	474A	$17\frac{1}{2}$

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.



WS-474

Adjustable Face Spanner Wrenches

Industrial Black Finish, SAE

Product Code	Span Diameter (In)	Pin Diameter (In)	Pin Length (In)	Overall Length (In)
482	2	$\frac{3}{16}$	$\frac{1}{4}$	$6\frac{1}{4}$
483	3	$\frac{1}{4}$	$\frac{1}{4}$	$8\frac{1}{4}$
484	4	$\frac{5}{16}$	$\frac{1}{2}$	$10\frac{3}{8}$

WS-483 3-Piece Adjustable Face Spanner Wrench Set, in Roll Pouch – R-48

Contents Include:

Product Code	Overall Length (In)	Product Code	Overall Length (In)
482	$6\frac{1}{4}$	484	$10\frac{3}{8}$
483	$8\frac{1}{4}$		

Features

- Ideal for adjusting collars, lock nut rings, and bearings.
- Specifically engineered to hold up under the most rigorous industrial use.



WS-483





Open End Tubular Handle Wrenches

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (In)	Size (MM)	B		C		Assembled Length From Bolt Center (In)	Fits Handle No.
			Outside Head Diameter (In)	Head Depth (In)	Head Depth (In)	Head Depth (In)		
1228TOE	$\frac{7}{8}$	-	$1\frac{15}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	29 $\frac{7}{8}$	13TH - 24TH
1230TOE	$\frac{15}{16}$	-	$1\frac{15}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	29 $\frac{7}{8}$	13TH - 24TH
1232TOE	1	-	$2\frac{5}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	30 $\frac{21}{32}$	13TH - 24TH
1234TOE	$1\frac{1}{16}$	-	$2\frac{5}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	30 $\frac{21}{32}$	13TH - 24TH
1236TOE	$1\frac{1}{8}$	-	$2\frac{5}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	30 $\frac{21}{32}$	13TH - 24TH
1240TOE	$1\frac{1}{4}$	32	$2\frac{11}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	31 $\frac{21}{32}$	13TH - 24TH
1242TOE	$1\frac{5}{8}$	33	$2\frac{11}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	31 $\frac{21}{32}$	13TH - 24TH
1244TOE	$1\frac{3}{4}$	35	$2\frac{11}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	32 $\frac{1}{2}$	13TH - 24TH
1246TOE	$1\frac{7}{8}$	36	$3\frac{1}{8}$	$\frac{11}{16}$	$\frac{11}{16}$	$\frac{11}{16}$	32 $\frac{9}{16}$	13TH - 24TH
1248TOE	$1\frac{1}{2}$	38	$3\frac{1}{8}$	$\frac{11}{16}$	$\frac{11}{16}$	$\frac{11}{16}$	33 $\frac{9}{16}$	13TH - 24TH



Features

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Open end wrench head provides access in tight areas.
- Sizes of both SAE and corresponding metric fasteners are shown.



Tubular Wrench Handles

Industrial Black Finish

Product Code	Length (In)	Inside Handle Diameter (In)
13TH	$13\frac{1}{2}$	$\frac{7}{8}$
24TH	24	$\frac{7}{8}$
36TH	36	$1\frac{1}{8}$

Features

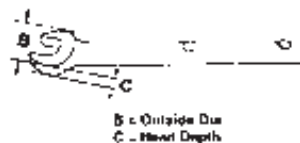
- For use with all Williams Tubular Handle Wrenches.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Tubular wrenches may be used without the handle to quickly run down nuts.

WRENCHES

WRENCHES ENGLISH BEAT AND TUBULAR



1228TOE



13TH

Offset Box End Tubular Handle Wrenches

Industrial Black Finish, 12 Point, SAE / Metric

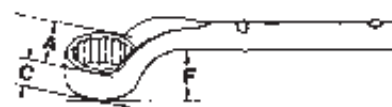
Product Code	Size (In)	Size (MM)	A Outside Head Diameter (In)	C Head Depth (In)	F Height of Offset (In)	Assembled Length From Bolt Center (In)	Fits Handle No.
1234TOB	1 1/16	-	1 21/32	5/8	15/16	30 3/32	13TH - 24TH
1236TOB	1 1/8	-	1 7/8	23/32	1 1/16	30 7/32	13TH - 24TH
1240TOB	1 1/4	32	1 29/32	23/32	1 1/8	30 7/32	13TH - 24TH
1242TOB	1 5/16	33	2	27/32	1 1/8	32 1/2	13TH - 24TH
1244TOB	1 3/8	35	2 1/16	7/8	1 3/8	32 19/32	13TH - 24TH
1246TOB	1 7/16	36	2 5/16	7/8	1 1/2	32 19/32	13TH - 24TH
1248TOB	1 1/2	38	2 1/4	15/16	1 5/8	32 19/32	13TH - 24TH
1250TOB	1 9/16	40	2 5/16	15/16	1 5/8	32 19/32	13TH - 24TH
1252TOB	1 5/8	41	2 3/8	31/32	1 3/4	32 23/32	13TH - 24TH
1254TOB	1 11/16	43	2 19/32	1 1/32	1 7/8	43 9/32	36TH
1256TOB	1 3/4	44	2 5/8	1 1/16	1 1/2	43 9/32	36TH
1258TOB	1 13/16	46	2 23/32	1 1/8	1 9/16	43 13/32	36TH
1260TOB	1 7/8	47	2 3/4	1 1/8	1 5/8	43 13/32	36TH
1264TOB	2	51	2 31/32	1 1/4	1 3/4	43 1/2	36TH
1266TOB	2 1/16	52	2 31/32	1 1/4	1 3/4	43 1/2	36TH
1270TOB	2 3/16	55	3 3/32	1 5/16	1 7/8	43 19/32	36TH
1272TOB	2 1/8	57	3 1/16	1 5/16	1 7/8	43 19/32	36TH
1276TOB	2 3/8	60	3 13/32	1 13/16	2	43 11/32	36TH
1282TOB	2 9/16	65	3 21/32	1 1/2	2 1/4	43 13/16	36TH
1284TOB	2 5/8	67	3 11/16	1 1/2	2 1/4	44 7/32	36TH
1288TOB	2 3/4	70	3 15/16	1 19/32	2 1/4	44	36TH
1294TOB	2 15/16	75	4 5/16	1 11/16	2 5/8	44 3/32	36TH
12100TOB	3 1/8	79	4 3/8	1 11/16	2 3/4	44 19/32	36TH

Features

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular Wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Offset box wrench head provides turning clearance.
- Sizes of both SAE and corresponding metric fasteners are shown.



1234TOB



A = Outside Dia.
C = Head Depth
F = Height of Offset

Straight Box End Tubular Handle Wrenches

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (In)	Size (MM)	A Outside Head Diameter (In)	C Head Depth (In)	Assembled Length From Bolt Center (In)	Fits Handle No.
1224TSB	3/4	-	1 1/4	17/32	29 17/32	13TH - 24TH
1226TSB	13/16	-	1 1/4	17/32	29 17/32	13TH - 24TH
1228TSB	7/8	-	1 13/32	19/32	29 17/32	13TH - 24TH
1230TSB	15/16	-	1 13/32	19/32	29 17/32	13TH - 24TH
1232TSB	1	-	1 9/16	21/32	29 19/32	13TH - 24TH
1234TSB	1 1/16	-	1 9/16	21/32	29 19/32	13TH - 24TH
1236TSB	1 1/8	-	1 5/8	11/16	29 19/32	13TH - 24TH
1240TSB	1 1/4	32	1 29/16	27/16	31 29/32	13TH - 24TH
1242TSB	1 5/16	33	1 29/32	27/32	31 29/32	13TH - 24TH
1246TSB	1 7/16	36	2 5/32	7/8	31 29/32	13TH - 24TH
1248TSB	1 1/2	38	2 5/32	7/8	31 29/32	13TH - 24TH
1252TSB	1 5/8	41	2 5/16	15/16	32 23/32	13TH - 24TH
12100TSB	3 1/8	79	4 9/32	1 3/4	42 5/32	36TH

Features

- Unique, versatile design allows wrench to be used with or without optional handles.
- Tubular wrenches may be used without the handle to quickly run down nuts.
- The handle can then be attached to provide maximum turning power for final tightening or to reach otherwise inaccessible fasteners.
- A detent on the wrench shaft helps to align locking button with handle hole.
- Straight box wrench head provides access when clearance is limited.
- Sizes of both SAE and corresponding metric fasteners are shown.



1224TSB



Straight Pattern Box End Striking Wrenches

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (In)	Size (MM)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)
SFH-1808BW	1 3/16	30	7 9/16	2 3/32	7/8
SFH-1808W	1 1/16	32	7 9/16	2 3/32	7/8
SFH-1808AW	1 5/16	33	7 9/16	2 3/32	7/8
SFH-1808CW	1 3/16	35	7 21/32	2 9/32	31/32
SFH-1809W	1 7/8	-	7 21/32	2 9/32	31/32
SFH-1809BW	-	36	7 21/32	2 9/32	31/32
SFH-1809AW	1 1/2	38	7 21/32	2 9/32	31/32
SFH-1810W	1 5/8	41	7 21/32	2 21/32	1 5/32
SFH-1810AW	1 11/16	43	7 13/16	2 21/32	1 5/32
SFH-1810BW	1 3/16	44	7 15/16	2 13/16	1 1/4
SFH-1811W	1 13/16	46	7 15/16	2 13/16	1 1/4
SFH-1811AW	1 7/8	-	7 15/16	2 13/16	1 1/4
SFH-1812BW	-	50	11 19/32	3 3/16	1 13/32
SFH-1812W	2	51	11 19/32	3 3/16	1 13/32
SFH-1812AW	2 1/16	52	11 19/32	3 3/16	1 13/32
SFH-1813W	2 3/16	55	11 3/4	2 9/16	1 17/32
SFH-1813AW	2 1/16	57	11 3/4	2 9/16	1 17/32
SFH-1814W	2 3/4	60	11 7/4	3 3/4	1 11/16
SFH-1814AW	2 7/16	62	11 7/8	3 3/4	1 11/16
SFH-1814BW	2 1/2	64	11 7/8	3 3/4	1 11/16
SFH-1815W	2 9/16	65	13	4	1 13/16
SFH-1815AW	2 5/8	67	13	4	1 13/16
SFH-1816W	2 3/8	70	14 9/32	4 9/32	1 15/16
SFH-1816AW	2 13/16	71	14 9/32	4 9/32	1 15/16
SFH-1816BW	2 15/16	75	14 13/32	4 17/32	2 1/16
SFH-1817AW	3	76	14 13/32	4 17/32	2 1/16
SFH-1817W	3 1/8	80	17 19/32	4 29/32	2 9/32
SFH-1818AW	3 3/8	85	17 19/32	4 29/32	2 9/32
SFH-1818W	3 1/8	89	17 13/32	5 5/16	2 15/32
SFH-1819BWA	3 3/4	95	17 29/32	5 17/32	2 21/32
SFH-1819WA	3 7/8	98	17 29/32	5 17/32	2 21/32
SFH-1819CWA	4 1/8	105	18 5/32	6 1/32	2 15/32
SFH-1819AWA	4 1/8	108	18 5/32	6 1/32	2 15/32
SFH-1820BWA	4 1/4	114	20 1/32	6 25/32	3 3/16
SFH-1820WA	4 5/8	117	20 1/32	6 25/32	3 3/16

Features

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Straight handle design resists springing while allowing the fastener to turn more easily.
- Williams' expanded line of offset striking face wrenches, up to 4-5/8", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.

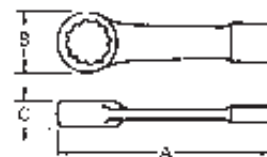


WRENCHES

WRENCHES TUBULAR AND STROKE



SFH-1812W



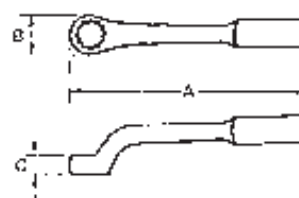
Offset Pattern Box End Striking Wrenches

Industrial Black Finish, 12 Point, SAE / Metric

Product Code	Size (In)	Size (MM)	A Overall Length (In)	B Box End Diameter (In)	C Box End Thickness (In)
8807W	1 1/16	27	9 31/32	1 21/32	23/32
8807AW	1 1/8	-	10 31/32	1 15/16	3/4
8808BW	1 3/8	30	10 31/32	1 15/16	3/4
8808W	1 1/2	32	10 31/32	1 15/16	3/4
8808AW	1 5/8	33	10 31/32	1 15/16	3/4
8808CW	1 3/4	35	11 1/2	2 5/16	29/32
8809W	1 7/8	-	11 1/2	2 5/16	29/32
8809BW	-	36	11 1/2	2 5/16	29/32
8809AW	1 1/2	38	12	2 7/16	1
8810W	1 5/8	41	12	2 7/16	1
8810AW	1 11/16	43	12 9/16	2 11/16	1 1/8
8811BW	1 3/4	44	12 9/16	2 11/16	1 1/8
8811W	1 13/16	46	12 9/16	2 11/16	1 1/8
8811AW	1 7/8	-	13	2 7/8	1 1/4
8812AW	1 15/16	49	13	2 7/8	1 1/4
8812BW	-	50	13	2 7/8	1 1/4
8812W	2	51	13	2 7/8	1 1/4
8813BW	2 1/8	54	13 9/16	3 1/4	1 13/32
8813W	2 3/16	55	13 9/16	3 1/4	1 13/32
8813AW	2 1/4	57	13 9/16	3 1/4	1 13/32
8814AW	2 5/16	59	13 9/16	3 1/4	1 13/32
8814W	2 3/8	60	14 1/8	3 11/16	1 1/2
8815BW	2 1/2	64	14 1/8	3 11/16	1 1/2
8815W	2 9/16	65	14 1/8	3 11/16	1 1/2
8815AW	2 5/8	67	15	3 15/16	1 5/8
8816W	2 3/4	70	15	2 15/16	1 3/8
8816CW	2 7/8	73	16	4 7/16	1 3/4
8816BW	2 15/16	75	16	4 7/16	1 3/4
8817AW	3	76	16	4 7/16	1 3/4
8817W	3 1/8	80	16	4 7/16	1 3/4
8818AW	3 3/8	85	18 9/32	6	2
8818W	3 1/2	89	18 9/32	6	2
8819BW	3 3/4	95	18 9/32	6	2
8819W	3 7/8	98	18 9/32	6	2
8819CW	4 1/8	105	18 9/32	6	2
8819AW	4 1/4	108	18 9/32	6	2



8811BW



Features

- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners.
- Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Offset handle is close to head to provide clearance in confined areas.
- Williams' expanded line of offset striking face wrenches, up to 4-1/4", provides the most extensive line on the market.
- Specifically engineered to hold up under the most rigorous industrial use.





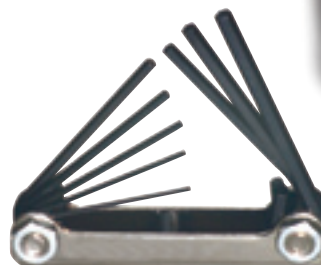
Folding Hex Key Sets

SAE and Metric

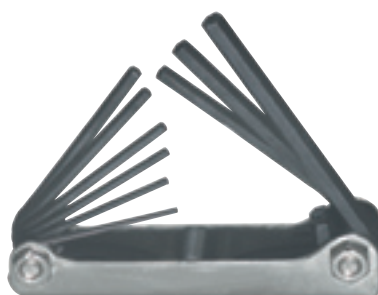
Product Code	WS-45		WS-46		MWS-47	
Number of Pieces	8		9		7	
	Hex Size (In)	Key Length (In)	Hex Size (In)	Key Length (In)	Includes Hex Size (MM)	Key Length (In)
	.050	1 1/4	5/64	1 1/2	1.5	1 3/8
	1/16	1 3/8	3/32	1 9/16	2	1 1/8
	5/64	1 7/16	7/64	1 11/16	2.5	1 5/8
	3/32	1 9/16	1/8	1 15/16	3	1 3/4
	7/64	1 5/8	9/64	2	4	2
	1/8	1 11/16	5/32	2 1/4	5	2 1/4
	9/64	1 13/16	3/16	2 1/2	6	2 1/2
	5/32	2	7/32	2 5/8		
			1/4	2 7/8		

Features

- Steel case is chrome plated to resist corrosion.
- Keys are black oxide finish.
- Convenient item for pocket or tool box.



WS-45



WS-46



MWS-47



Hex Key Sets in Roll Pouch

SAE and Metric

Product Code	WS-44		MWS-27	
Number of Pieces	13		11	
	Hex Size (In)	Key Length (In)	Hex Size (MM)	Key Length (In)
	.050	1 11/16	2	2
	1/16	1 13/16	2 1/2	2 5/8
	5/64	1 31/32	3	2 7/16
	3/32	2 1/8	4	2 13/16
	7/64	2 1/4	5	3 5/16
	1/8	2 3/8	6	3 23/32
	9/64	2 9/16	8	4 1/16
	5/32	2 19/32	10	4 5/8
	3/16	3	12	5 7/16
	7/32	3 3/16	14	5 15/16
	1/2	3 1/2	17	6 7/8
	5/8	4		
	3/4	4 17/32		

Roll Pouch: 097411

Roll Pouch: 099965

Features

- Roll pouch keeps hex keys organized.
- Keys are black oxide finish.



WS-44



MWS-27

WRENCHES

HEX AND
STROKE SET

Ball End and Standard Hex Key Sets

SAE and Metric, in Handy Compact Plastic Holder

Product Code	Number of Pieces	Type	Key Style	Key Length	Size Range
10107	7	SAE	Standard	Short	$\frac{5}{64}$ - $\frac{1}{4}$ "
10111	11	SAE	Standard	Short	.050 - $\frac{1}{4}$ "
10113	13	SAE	Standard	Short	.050 - $\frac{3}{8}$ "
10213	13	SAE	Standard	Long	.050 - $\frac{3}{8}$ "
10507	7	Metric	Standard	Short	1.5 - 6.0 mm
10509	9	Metric	Standard	Short	1.5 - 10.0 mm
13213	13	SAE	Ball Hex	Long	.050 - $\frac{3}{8}$ "
13609	9	Metric	Ball Hex	Long	1.5 - 10.0 mm

Features

- Plastic holders organize hex keys securely in place.
- Keys are black oxide finish.
- Holders are color coded, red for fractional and blue for metric.
- Ball hex key ends are designed with ball on long arm to provide 360° of rotation at up to a 30° angle.



10213



10507

L-Type Hex Keys

Industrial Black Finish, SAE

Product Code	Size (In)	Length (In)	Width (In)	Pkg.Qty.
HK-050	.050	$1 \frac{23}{32}$	$\frac{1}{2}$	25
HK- $\frac{1}{16}$	$\frac{1}{16}$	$1 \frac{7}{8}$	$\frac{1}{2}$	25
HK- $\frac{5}{64}$	$\frac{5}{64}$	$1 \frac{31}{32}$	$\frac{5}{8}$	25
HK- $\frac{3}{32}$	$\frac{3}{32}$	$1 \frac{13}{16}$	$\frac{9}{8}$	25
HK- $\frac{7}{64}$	$\frac{7}{64}$	$2 \frac{1}{4}$	$\frac{23}{32}$	25
HK- $\frac{1}{8}$	$\frac{1}{8}$	$2 \frac{13}{32}$	$\frac{3}{4}$	25
HK- $\frac{9}{64}$	$\frac{9}{64}$	$2 \frac{3}{8}$	$\frac{25}{4}$	25
HK- $\frac{5}{32}$	$\frac{5}{32}$	$2 \frac{21}{8}$	$\frac{27}{32}$	25
HK- $\frac{3}{16}$	$\frac{3}{16}$	$2 \frac{31}{32}$	$\frac{1}{2}$	25
HK- $\frac{7}{32}$	$\frac{7}{32}$	$3 \frac{5}{16}$	1	25
HK- $\frac{1}{2}$	$\frac{1}{2}$	$3 \frac{5}{8}$	$1 \frac{1}{8}$	25
HK- $\frac{3}{4}$	$\frac{3}{4}$	$4 \frac{23}{32}$	$1 \frac{13}{8}$	5

Features

- Keys are black oxide finish.



HK-050

L-Type Hex Keys

Industrial Black Finish, Metric

Product Code	Size (MM)	Length (In)	Width (In)	Pkg.Qty.
HK-2mm	2	2	$\frac{5}{8}$	25
HK-2.5mm	$2 \frac{1}{2}$	$2 \frac{1}{4}$	$\frac{23}{32}$	25
HK-3mm	3	$2 \frac{9}{16}$	$\frac{13}{16}$	25
HK-4mm	4	$2 \frac{13}{16}$	$\frac{31}{16}$	25
HK-5mm	5	$3 \frac{13}{16}$	$1 \frac{1}{2}$	25
HK-6mm	6	$3 \frac{3}{4}$	$1 \frac{1}{8}$	10
HK-8mm	8	$4 \frac{5}{16}$	$1 \frac{1}{8}$	5
HK-10mm	10	$4 \frac{3}{4}$	$1 \frac{1}{2}$	5
HK-12mm	12	$5 \frac{1}{4}$	$1 \frac{5}{8}$	5
HK-14mm	14	6	$1 \frac{1}{2}$	5
HK-17mm	17	$6 \frac{3}{4}$	$2 \frac{1}{2}$	1

Features

- Keys are black oxide finish.



HK-2mm

