

2-in-1 Reversible Adjustable Pipe Wrench

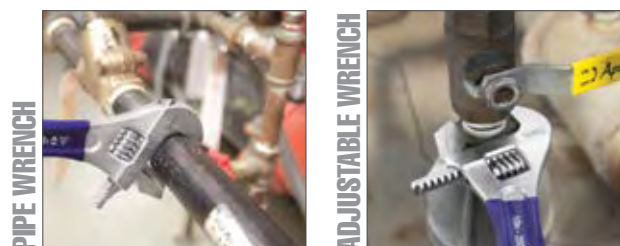
Includes core adjustable wrench features plus:

- Versatile 2-in-1 tool converts from adjustable wrench to pipe wrench by reversing the removable jaw
- Reversible jaw has teeth and an obtuse angle to work as a pipe wrench
- Pipe wrench side of jaw grips pipes and round fasteners with self-gripping angled teeth
- 1-1/2" extra-wide jaw opening in both configurations
- Standard and metric size markings for fast adjustment
- Meets ASME 107.11-2010 standards for adjustable wrenches



NEW!

D86930



Cat. No.	Overall Length	Handle Color	Handle Finish	Jaw Capacity	Weight
D86930 NEW!	10-1/4" (260.4 mm)	Blue	Plastic Dipped	1-1/2" (38 mm)	1.0 lb (0.5 kg)

Corrosion resistant

**Forged from the highest
quality alloy steel**

Durable chrome-plated finish

**Open ends are offset
at standard 15° angle**
for confined working areas

Combination Wrenches

Combination wrenches have
the same size opening
on each end

Box ends have 15° angle offset
to provide clearance over obstructions

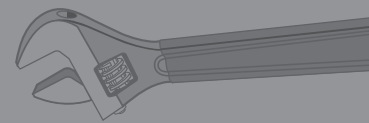
Combination Wrenches - SAE

Cat. No.	Overall Length	Size	Box End Point	Weight
68410	5-1/8" (130.2 mm)	1/4"	12	0.80 oz (22.7 g)
68411	4-3/8" (111.1 mm)	5/16"	12	0.80 oz (22.7 g)
68412	6-1/8" (155.6 mm)	3/8"	12	0.10 lb (0.05 kg)
68413	6-5/8" (168.3 mm)	7/16"	12	0.14 lb (0.06 kg)
68414	7-1/8" (181.0 mm)	1/2"	12	0.18 lb (0.08 kg)
68415	7-1/2" (190.5 mm)	9/16"	12	0.23 lb (0.10 kg)
68416	8-1/2" (215.9 mm)	5/8"	12	0.28 lb (0.13 kg)
68417	9" (228.6 mm)	11/16"	12	0.37 lb (0.17 kg)
68418	9-7/8" (250.8 mm)	3/4"	12	0.46 lb (0.21 kg)
68419	10-5/8" (269.9 mm)	13/16"	12	0.53 lb (0.24 kg)
68420	11-1/2" (292.1 mm)	7/8"	12	0.67 lb (0.30 kg)
68421	12-1/2" (317.5 mm)	15/16"	12	0.79 lb (0.36 kg)
68422	13-1/4" (336.6 mm)	1"	12	0.93 lb (0.42 kg)
68423	14-1/4" (362.0 mm)	1-1/16"	12	1.2 lb (0.5 kg)
68424	15-1/2" (393.7 mm)	1-1/8"	12	1.5 lb (0.7 kg)
68425	16-1/4" (412.8 mm)	1-1/4"	12	1.9 lb (0.9 kg)



68417





Combination Wrench Sets - SAE

Combination Wrench Sets - SAE

- Includes pouch with marked pockets for each wrench

Cat. No.	Set Contains	Weight																																																												
68400	7 Piece Combination Wrench Set	1.2 lb (0.6 kg)																																																												
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68402	9 Piece Combination Wrench Set	2.1 lb (0.9 kg)																																																												
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68404	12 Piece Combination Wrench Set	4.1 lb (1.9 kg)																																																												
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68406	14 Piece Combination Wrench Set	9.8 lb (4.4 kg)																																																												
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68425	16-1/4" (412.8 mm)	1-1/4"	12																																																											

Individual wrenches sold separately.



68400



68402



68404



68406



Combination Wrenches - Metric

Combination Wrenches - Metric

Cat. No.	Overall Length	Size	Box End Point	Weight
68507	5-1/8" (130.2 mm)	7 mm	12	0.80 oz (22.7 g)
68508	5-3/8" (136.5 mm)	8 mm	12	1.3 oz (37 g)
68509	6-1/8" (155.6 mm)	9 mm	12	0.10 lb (0.05 kg)
68510	6-1/2" (165.1 mm)	10 mm	12	0.13 lb (0.06 kg)
68511	6-1/2" (165.1 mm)	11 mm	12	0.13 lb (0.06 kg)
68512	7-1/8" (181.0 mm)	12 mm	12	0.18 lb (0.08 kg)
68513	7-1/8" (181.0 mm)	13 mm	12	0.16 lb (0.07 kg)
68514	7-1/2" (190.5 mm)	14 mm	12	0.22 lb (0.10 kg)
68515	7-1/2" (190.5 mm)	15 mm	12	0.22 lb (0.10 kg)
68517	9" (228.6 mm)	17 mm	12	0.39 lb (0.18 kg)
68519	9-3/4" (247.7 mm)	19 mm	12	0.42 lb (0.19 kg)



68512

Combination Wrench Sets - Metric

- Includes pouch with marked pockets for each wrench

Cat. No.	Set Contains	Weight
68500	7 Piece Metric Combination Wrench Set	1.2 lb (0.6 kg)

Cat. No.	Overall Length	Size	Box End Point
68507	5-1/8" (130.2 mm)	7 mm	12
68509	6-1/8" (155.6 mm)	9 mm	12
68510	6-1/2" (165.1 mm)	10 mm	12
68511	6-1/2" (165.1 mm)	11 mm	12
68513	7-1/8" (181.0 mm)	13 mm	12
68514	7-1/2" (190.5 mm)	14 mm	12
68515	7-1/2" (190.5 mm)	15 mm	12

Cat. No.	Set Contains	Weight
68502	11 Piece Metric Combination Wrench Set	2.4 lb (1.1 kg)

Cat. No.	Overall Length	Size	Box End Point
68507	5-1/8" (130.2 mm)	7 mm	12
68508	5-3/8" (136.5 mm)	8 mm	12
68509	6-1/8" (155.6 mm)	9 mm	12
68510	6-1/2" (165.1 mm)	10 mm	12
68511	6-1/2" (165.1 mm)	11 mm	12
68512	7-1/8" (181.0 mm)	12 mm	12
68513	7-1/8" (181.0 mm)	13 mm	12
68514	7-1/2" (190.5 mm)	14 mm	12
68515	7-1/2" (190.5 mm)	15 mm	12
68517	9" (228.6 mm)	17 mm	12
68519	9-3/4" (247.7 mm)	19 mm	12

Individual wrenches sold separately.

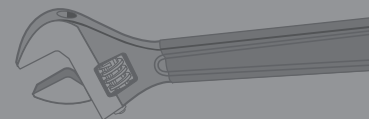


68402



68502





Open-End Wrenches

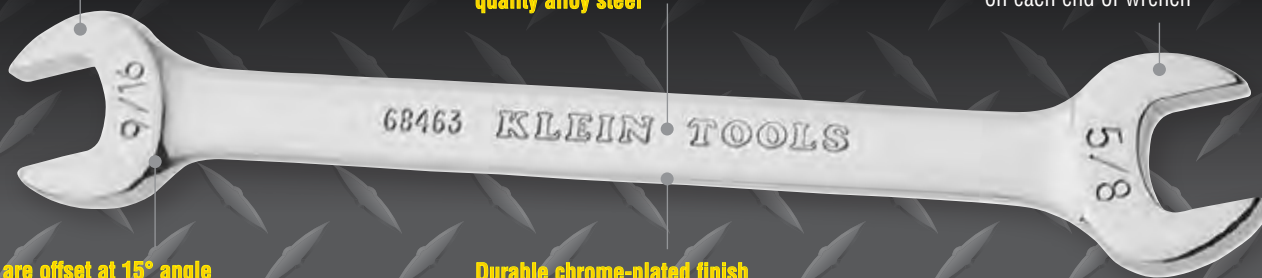
Corrosion resistant

Forged from the highest quality alloy steel

Different size opening on each end of wrench

Ends are offset at 15° angle for clearance over obstructions

Durable chrome-plated finish



Open-End Wrenches - SAE

Cat. No.	Overall Length	Large Size	Small Size	Weight
68460	4-3/4" (120.7 mm)	5/16"	1/4"	0.64 oz (18.1 g)
68461	6" (152.4 mm)	7/16"	3/8"	0.10 lb (0.05 kg)
68462	7" (177.8 mm)	9/16"	1/2"	0.17 lb (0.08 kg)
68463	7-1/2" (190.5 mm)	5/8"	9/16"	0.20 lb (0.09 kg)
68464	9" (228.6 mm)	3/4"	11/16"	0.36 lb (0.16 kg)
68465	10" (254.0 mm)	7/8"	13/16"	0.55 lb (0.25 kg)
68466	11" (279.4 mm)	1"	15/16"	0.80 lb (0.36 kg)



68463

Open-End Wrench Sets

- Includes pouch with marked pockets for each wrench

Cat. No.	Set Contains				Weight
68450	5 Piece Open-End Wrench Set				1.1 lb (0.5 kg)
	Cat. No.	Overall Length	Large Size	Small Size	
	68460	4-3/4" (120.7 mm)	5/16"	1/4"	
	68461	6" (152.4 mm)	7/16"	3/8"	
	68462	7" (177.8 mm)	9/16"	1/2"	
	68463	7-1/2" (190.5 mm)	5/8"	9/16"	
	68464	9" (228.6 mm)	3/4"	11/16"	
Cat. No.	Set Contains				Weight
68452	7 Piece Open-End Wrench Set				2.5 lb (1.1 kg)
	Cat. No.	Overall Length	Large Size	Small Size	
	68460	4-3/4" (120.7 mm)	5/16"	1/4"	
	68461	6" (152.4 mm)	7/16"	3/8"	
	68462	7" (177.8 mm)	9/16"	1/2"	
	68463	7-1/2" (190.5 mm)	5/8"	9/16"	
	68464	9" (228.6 mm)	3/4"	11/16"	
	68465	10" (254.0 mm)	7/8"	13/16"	
	68466	11" (279.4 mm)	1"	15/16"	

Individual wrenches sold separately.



68450



68452



Socket Wrenches

Sockets



65717 - Deep



65704 - Standard

Cat. No.	Drive Size	Socket Size	Number of Points	Weight
Standard Socket Depth				
65600	1/4"	3/16"	6	0.32 oz (9.1 g)
65601	1/4"	7/32"	6	0.32 oz (9.1 g)
65602	1/4"	1/4"	6	0.32 oz (9.1 g)
65603	1/4"	9/32"	6	0.32 oz (9.1 g)
65604	1/4"	5/16"	6	0.32 oz (9.1 g)
65605	1/4"	11/32"	6	0.48 oz (13.6 g)
65606	1/4"	3/8"	6	0.64 oz (18.1 g)
65607	1/4"	7/16"	6	0.64 oz (18.1 g)
65608	1/4"	1/2"	6	0.80 oz (22.7 g)
65700	3/8"	3/8"	6	0.80 oz (22.7 g)
65701	3/8"	7/16"	6	0.80 oz (22.7 g)
65702	3/8"	1/2"	6	1.0 oz (28 g)
65703	3/8"	9/16"	6	1.0 oz (28 g)
Deep Socket Depth				
65710	3/8"	3/8"	6	1.4 oz (40 g)
65711	3/8"	7/16"	6	0.10 lb (0.05 kg)
65712	3/8"	1/2"	6	0.13 lb (0.06 kg)
65713	3/8"	9/16"	6	0.15 lb (0.07 kg)
65714	3/8"	5/8"	6	0.22 lb (0.10 kg)
65715	3/8"	11/16"	6	0.27 lb (0.12 kg)
65716	3/8"	3/4"	6	0.28 lb (0.13 kg)
65717	3/8"	13/16"	6	0.34 lb (0.15 kg)
Metric — Standard Socket Depth				
65907	3/8"	7 mm	6	0.64 oz (18.1 g)
65908	3/8"	8 mm	6	0.64 oz (18.1 g)
65909	3/8"	9 mm	6	0.80 oz (22.7 g)
65910	3/8"	10 mm	6	0.80 oz (22.7 g)
65911	3/8"	11 mm	6	0.80 oz (22.7 g)
65912	3/8"	12 mm	6	1.0 oz (28 g)
65913	3/8"	13 mm	6	1.1 oz (31 g)
65914	3/8"	14 mm	6	1.3 oz (37 g)
65915	3/8"	15 mm	6	0.10 lb (0.05 kg)
65916	3/8"	16 mm	6	1.4 oz (40 g)
65917	3/8"	17 mm	6	0.10 lb (0.05 kg)
65918	3/8"	18 mm	6	0.11 lb (0.05 kg)
65919	3/8"	19 mm	6	0.14 lb (0.06 kg)
Standard Socket Depth				
65704	3/8"	5/8"	12	1.3 oz (37 g)
65705	3/8"	11/16"	12	0.11 lb (0.05 kg)
65706	3/8"	3/4"	12	0.12 lb (0.05 kg)
65707	3/8"	13/16"	12	0.15 lb (0.07 kg)
65708	3/8"	7/8"	12	0.19 lb (0.09 kg)
65800	1/2"	7/16"	12	0.12 lb (0.05 kg)
65801	1/2"	1/2"	12	0.12 lb (0.05 kg)
65802	1/2"	9/16"	12	0.12 lb (0.05 kg)
65804	1/2"	11/16"	12	0.15 lb (0.07 kg)
65805	1/2"	3/4"	12	0.20 lb (0.09 kg)
65806	1/2"	13/16"	12	0.20 lb (0.09 kg)
65807	1/2"	7/8"	12	0.20 lb (0.09 kg)
65808	1/2"	15/16"	12	0.25 lb (0.11 kg)
65809	1/2"	1"	12	0.30 lb (0.14 kg)
65810	1/2"	1-1/16"	12	0.35 lb (0.16 kg)
65811	1/2"	1-1/8"	12	0.40 lb (0.18 kg)
65812	1/2"	1-1/4"	12	0.50 lb (0.23 kg)
Deep Socket Depth				
65825	1/2"	1/2"	12	0.30 lb (0.14 kg)
65826	1/2"	9/16"	12	0.31 lb (0.14 kg)
65827	1/2"	5/8"	12	0.24 lb (0.11 kg)
65828	1/2"	11/16"	12	0.32 lb (0.15 kg)
65829	1/2"	3/4"	12	0.36 lb (0.16 kg)
65830	1/2"	13/16"	12	0.41 lb (0.19 kg)
65831	1/2"	7/8"	12	0.41 lb (0.19 kg)

1/4" Drivers and Extensions



65620



65622



65621



65623

Cat. No.	Description	Weight
65620	4-3/4" Ratchet	0.32 lb (0.15 kg)
65621	Spinner Handle	0.19 lb (0.09 kg)
65622	2" Extension	0.80 oz (22.7 g)
65623	6" Extension	0.14 lb (0.06 kg)

3/8" Drivers and Extensions



65720



65721



65722



65723



65724

Cat. No.	Description	Weight
65720	7" Ratchet	0.73 lb (0.33 kg)
65721	1-1/2" Extension	1.4 oz (40 g)
65722	3" Extension	0.15 lb (0.07 kg)
65723	6" Extension 3/8" Socket Size	0.30 lb (0.14 kg)
65724	5/8" Spark Plug Socket 3/8" Drive	0.21 lb (0.10 kg)

1/2" Drivers and Extensions



65820



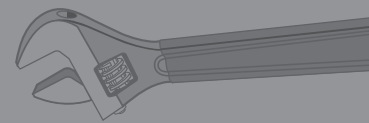
65821



65823

Cat. No.	Description	Weight
65820	10" Ratchet	1.3 lb (0.6 kg)
65821	5" Extension	0.45 lb (0.20 kg)
65823	5/8" Spark Plug Socket 1/2" Drive	0.18 lb (0.08 kg)





Socket Wrench Sets

13-Piece 1/4" Drive Socket Wrench Set



Set consists of the following pieces:

- Nine 6-point sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", and 1/2"
- One spinner handle
- Two extensions: 2" and 6" long
- One ratchet
- Hinged metal box

65500

Cat. No.	Description	Weight
65500	1/4" Drive Socket Wrench Set, 13 Pc	2.1 lb (0.9 kg)

8-Piece 3/8" Drive Deep-Socket Set



65502

Set consists of the following pieces:

- Eight 6-point deep sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", and 13/16"
- Hinged metal box

Cat. No.	Description	Weight
65502	3/8" Drive Deep Socket Wrench Set, 8 Pc	2.7 lb (1.2 kg)

12-Piece 3/8" Drive Socket Wrench Set



65504

Set consists of the following pieces:

- Four 6-point sockets: 3/8", 7/16", 1/2", and 9/16"
- Four 12-point sockets: 5/8", 11/16", 3/4", and 13/16"
- One spark plug socket: 5/8"
- Two extensions: 1-3/4" and 6" long
- One ratchet
- Hinged metal box

Cat. No.	Description	Weight
65504	3/8" Drive Socket Wrench Set, 12 Pc	3.6 lb (1.6 kg)

20-Piece 3/8" Drive Socket Wrench Set



65508

Set consists of the following pieces:

- Four 6-point sockets: 3/8", 7/16", 1/2", and 9/16"
- Five 12-point sockets: 5/8", 11/16", 3/4", 13/16", and 7/8"
- Eight 6-point deep sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", and 13/16"
- Two extensions: 1-3/4" and 3" long
- One ratchet
- Hinged metal box

Cat. No.	Description	Weight
65508	3/8" Drive Socket Wrench Set, 20 Pc	5.4 lb (2.5 kg)



Socket Wrench Sets

13-Piece 3/8" Drive Socket Set - Metric



65506

Set consists of the following pieces:

- Thirteen 6-point sockets: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19 mm
- Handy, flip-lock tray

Cat. No.	Description	Weight
65506	3/8" Drive Socket Set, Metric, 13 Pc	1.3 lb (0.6 kg)

8-Piece 1/2" Drive Deep-Socket Set



65514

Set consists of the following pieces:

- Eight 12-point deep sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", and 15/16"
- Hinged metal box

Cat. No.	Description	Weight
65514	1/2" Drive Deep Socket Wrench Set, 8 Pc	4.5 lb (2.1 kg)

12-Piece 1/2" Drive Socket Wrench Set



65510

Set consists of the following pieces:

- Nine 12-point sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", and 15/16"
- One extension: 5" long
- One spark plug socket: 5/8"
- One ratchet
- Hinged metal box

Cat. No.	Description	Weight
65510	1/2" Drive Socket Wrench Set, 12 Pc	5.4 lb (2.4 kg)

16-Piece 1/2" Drive Socket Wrench Set

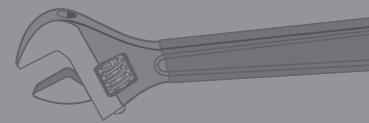


65512

Set consists of the following pieces:

- Thirteen 12-point sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", and 1-1/4"
- One extension: 5" long
- One flex handle: 17" long
- One ratchet
- Hinged metal box

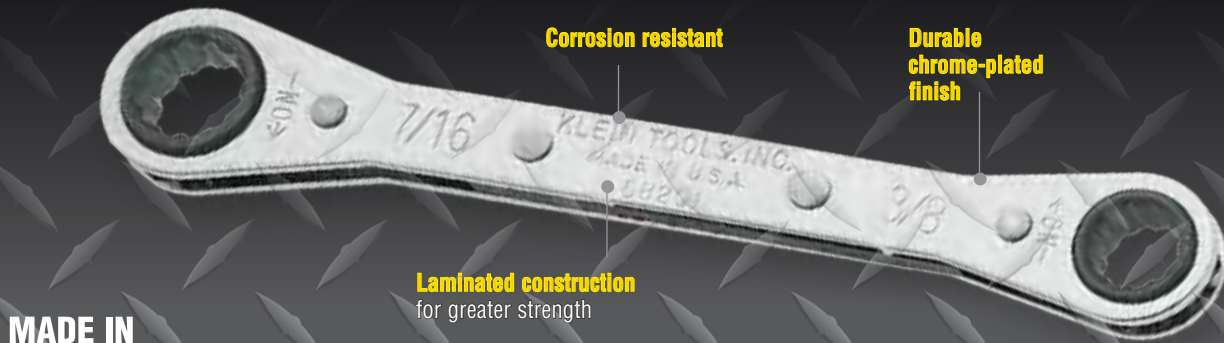
Cat. No.	Description	Weight
65512	1/2" Drive Socket Wrench Set, 16 Pc	9.6 lb (4.4 kg)



Ratcheting Box Wrenches

For use in confined spaces
and on long studs

**Different size opening
on each end**



Reverse ratcheting action by simply
turning wrench over

Ratcheting Box Wrenches

Cat. No.	Size	Number of Points	Overall Length	Weight
68200	1/4" x 5/16"	12	4-3/8" (111.1 mm)	0.13 lb (0.06 kg)
68201	3/8" x 7/16"	12	5-1/2" (139.7 mm)	0.18 lb (0.08 kg)
68202	1/2" x 9/16"	12	6-7/8" (174.6 mm)	0.29 lb (0.13 kg)
68203	5/8" x 11/16"	12	8-1/4" (209.6 mm)	0.43 lb (0.20 kg)
68204	5/8" x 3/4"	12	8-1/4" (209.6 mm)	0.42 lb (0.19 kg)
68205	11/16" x 3/4"	12	9-1/4" (235.0 mm)	0.52 lb (0.24 kg)
68206	13/16" x 7/8"	12	9-1/4" (235.0 mm)	0.69 lb (0.31 kg)



68201

Ratcheting Box Wrench Sets

Includes core ratcheting box wrench features plus:

- Includes vinyl roll-up pouch

Cat. No.	Set Contains	Weight																																
68221	5 Piece Ratcheting Box Wrench Set	2.7 lb (1.2 kg)																																
	<table><tr><th>Cat. No.</th><th>Size</th><th>Number of Points</th><th>Overall Length</th></tr><tr><td>68200</td><td>1/4" x 5/16"</td><td>12</td><td>4-3/8" (111.1 mm)</td></tr><tr><td>68201</td><td>3/8" x 7/16"</td><td>12</td><td>5-1/2" (139.7 mm)</td></tr><tr><td>68202</td><td>1/2" x 9/16"</td><td>12</td><td>6-7/8" (174.6 mm)</td></tr><tr><td>68203</td><td>5/8" x 11/16"</td><td>12</td><td>8-1/4" (209.6 mm)</td></tr><tr><td>68204</td><td>5/8" x 3/4"</td><td>12</td><td>8-1/4" (209.6 mm)</td></tr></table>	Cat. No.	Size	Number of Points	Overall Length	68200	1/4" x 5/16"	12	4-3/8" (111.1 mm)	68201	3/8" x 7/16"	12	5-1/2" (139.7 mm)	68202	1/2" x 9/16"	12	6-7/8" (174.6 mm)	68203	5/8" x 11/16"	12	8-1/4" (209.6 mm)	68204	5/8" x 3/4"	12	8-1/4" (209.6 mm)									
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68204	5/8" x 3/4"	12	8-1/4" (209.6 mm)																															
Cat. No.	Set Contains	Weight																																
68222	7 Piece Ratcheting Box Wrench Set	1.5 lb (0.7 kg)																																
	<table><tr><th>Cat. No.</th><th>Size</th><th>Number of Points</th><th>Overall Length</th></tr><tr><td>68200</td><td>1/4" x 5/16"</td><td>12</td><td>4-3/8" (111.1 mm)</td></tr><tr><td>68201</td><td>3/8" x 7/16"</td><td>12</td><td>5-1/2" (139.7 mm)</td></tr><tr><td>68202</td><td>1/2" x 9/16"</td><td>12</td><td>6-7/8" (174.6 mm)</td></tr><tr><td>68203</td><td>5/8" x 11/16"</td><td>12</td><td>8-1/4" (209.6 mm)</td></tr><tr><td>68204</td><td>5/8" x 3/4"</td><td>12</td><td>8-1/4" (209.6 mm)</td></tr><tr><td>68205</td><td>11/16" x 3/4"</td><td>12</td><td>9-1/4" (235.0 mm)</td></tr><tr><td>68206</td><td>13/16" x 7/8"</td><td>12</td><td>9-1/4" (235.0 mm)</td></tr></table>	Cat. No.	Size	Number of Points	Overall Length	68200	1/4" x 5/16"	12	4-3/8" (111.1 mm)	68201	3/8" x 7/16"	12	5-1/2" (139.7 mm)	68202	1/2" x 9/16"	12	6-7/8" (174.6 mm)	68203	5/8" x 11/16"	12	8-1/4" (209.6 mm)	68204	5/8" x 3/4"	12	8-1/4" (209.6 mm)	68205	11/16" x 3/4"	12	9-1/4" (235.0 mm)	68206	13/16" x 7/8"	12	9-1/4" (235.0 mm)	
Cat. No.	Size	Number of Points	Overall Length																															
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68204	5/8" x 3/4"	12	8-1/4" (209.6 mm)																															
68205	11/16" x 3/4"	12	9-1/4" (235.0 mm)																															
68206	13/16" x 7/8"	12	9-1/4" (235.0 mm)																															

Individual wrenches sold separately.



68222



Ratcheting Refrigeration Wrenches

Includes core ratcheting box wrench features plus:

- Fully reversible for refrigeration-packing gland nuts, valve stem sockets and beam-clamp installation
- Compact in size, with clearly marked sockets for four nut sizes
- Quick-flip reversing lever permits instant ratchet reversal
- Polished chrome finish for smooth edges for comfort



68310

Cat. No.	Size	Overall Length	Weight
68309	3/16" and 1/4" Sq. x 1/2" and 9/16" Hex	6-13/16" (173.0 mm)	0.43 lb (0.20 kg)
68310	3/16" and 5/16" Sq. x 1/4" and 3/8" Sq.	5-1/2" (139.7 mm)	0.20 lb (0.09 kg)

Ratcheting Offset Box Wrenches

Fully Reversible Ratcheting Offset Box Wrenches

Includes core ratcheting box wrench features plus:

- Both ends are offset 25° for more convenient use in confined spaces
- Quick-flip reversing lever for instant ratchet reversal



68236

Cat. No.	Size	Number of Points	Overall Length	Weight
68234	1/4" x 5/16"	6	4-3/8" (111.1 mm)	0.13 lb (0.06 kg)
68236	3/8" x 7/16"	6	5-1/2" (139.7 mm)	0.18 lb (0.08 kg)
68238	1/2" x 9/16"	6	6-3/4" (171.5 mm)	0.30 lb (0.14 kg)
68240	5/8" x 11/16"	12	8-1/8" (206.4 mm)	0.46 lb (0.21 kg)
68242	3/4" x 7/8"	12	9-1/8" (231.8 mm)	0.50 lb (0.23 kg)

Fully Reversible Ratcheting Offset Box Wrench Sets

Includes core ratcheting box wrench features plus:

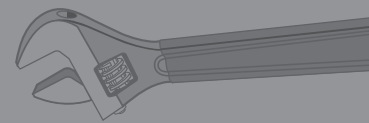
- Includes vinyl roll-up pouch

Cat. No.	Set Contains	Weight																								
68244	Reversible Ratchet Box Wrench Set 3 Pc	1.6 lb (0.7 kg)																								
	<table><tr><th>Cat. No.</th><th>Size</th><th>Number of Points</th><th>Overall Length</th></tr><tr><td>68234</td><td>1/4" x 5/16"</td><td>6</td><td>4-3/8" (111.1 mm)</td></tr><tr><td>68236</td><td>3/8" x 7/16"</td><td>6</td><td>5-1/2" (139.7 mm)</td></tr><tr><td>68238</td><td>1/2" x 9/16"</td><td>6</td><td>6-3/4" (171.5 mm)</td></tr></table>	Cat. No.	Size	Number of Points	Overall Length	68234	1/4" x 5/16"	6	4-3/8" (111.1 mm)	68236	3/8" x 7/16"	6	5-1/2" (139.7 mm)	68238	1/2" x 9/16"	6	6-3/4" (171.5 mm)									
Cat. No.	Size	Number of Points	Overall Length																							
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68238	1/2" x 9/16"	6	6-3/4" (171.5 mm)																							
Cat. No.	Set Contains	Weight																								
68245	Reversible Ratchet Box Wrench Set 5 Pc	0.61 lb (0.28 kg)																								
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68242	3/4" x 7/8"	12	9-1/8" (231.8 mm)																							

Individual wrenches sold separately.



68245



Specialty Wrenches

Conduit Locknut Wrench

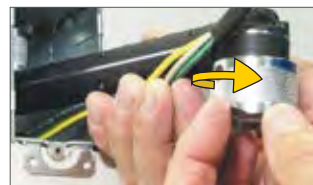
- Easily attach locknuts in tight or deep cut-in boxes
- For 1/2" and 3/4" connectors
- Direct-drive heads rotate each other when twisted
- Heavy-duty steel construction enables needed torque to loosen or tighten connectors
- Perfect for remodel work where box is filled with existing wires



56999

US Patent pending

Cat. No.	Size	Overall Length	Weight
56999	1/2" and 3/4"	9" (228.6 mm)	0.70 lb (0.32 kg)



Can Wrench

- Two tools in one; saves space in your pouch
- One end opens telephone box fasteners, the other end tightens nuts on binding-post terminals
- The 7/16" socket has a black finish and the 3/8" socket has a silver finish
- Sockets are 1-1/4" (32 mm) deep to fit over long binding posts and are thin-walled for easy access into tight areas
- Hex-socket design enables using a wrench to obtain extra torque
- High-impact, break-resistant handle for long and dependable service
- Sockets are heat-treated, alloy steel



68005



Cat. No.	Socket Size	Handle Diameter	Overall Length	Weight
68005	3/8" and 7/16" Hex Nut	1" (25.4 mm)	7" (177.8 mm)	0.35 lb (0.16 kg)

Lineman's Box Wrenches

Includes core ratcheting box wrench features plus:

- 1/2", 9/16", 5/8" and 3/4" sizes in one tool (Cat. No. KT223X4)
- Solid, one piece design (Cat. No. KT223X4) NOT INSULATED

Cat. No.	Description	Size	Number of Points	Overall Length	Weight
KT223X4	Lineman's Ratcheting 4-in-1 Box Wrench	1/2", 9/16", 5/8", 3/4"	12	8-1/4" (209.6 mm)	10.0 lb (4.5 kg)
KT223-INS	Lineman's Insulating Box Wrench	9/16", 3/4"	12	9" (228.6 mm)	0.70 lb (0.32 kg)



KT223X4



KT223-INS

Lineman's Wrenches

- Forged from special bar steel and heat-treated for long life
- Each end has two different size openings
- Hole is provided at larger end for turning-in standard pole steps
- Wrench is suited for use on heavy three-bolt guy clamps on which clearance is limited
- Cat. Nos. 3146 and 3146A are dark blue; Cat. No. 3146B is Silver
- Small end is painted silver on Cat. No. 3146A
- Cat. No. 3146B features end openings sized to NEMA hardware specifications



3146



Dark Blue - 3146



Blue/Silver - 3146



Silver - 3146B

Cat. No.	Application	Overall Length	Large Size	Small Size	Weight
3146	5/8" (15.9 mm) Hardware	13" (330.2 mm)	29/32" and 1-3/32"	5/8" and 13/16"	1.9 lb (0.8 kg)
3146A	3/4" (19.1 mm) Hardware	13" (330.2 mm)	1-1/16" and 1-5/16"	5/8" and 7/8"	1.7 lb (0.8 kg)
3146B	Bell System Type	13" (330.2 mm)	1-1/16" and 1-3/16"	11/16" and 7/8"	1.8 lb (0.8 kg)

See page 295 for additional information on warnings.



Specialty Wrenches

Lineman's Ratcheting Wrenches

- Bolt-through design allows bolts to pass through the socket
- KT152T features side ridges that provide a better grip and includes 13/16" square socket size
- 3/4" and 1" x 1-1/8" combination square socket sizes for most common utility hardware
- Bright yellow socket for easy visibility
- Works on most common utility pole hardware, such as lag bolts, "C" clamps and suspension bolts

Cat. No.	Description	Overall Length	Size	Number of Points	Weight
KT151T	Lineman's Ratcheting Wrench	13" (330.2 mm)	1/2", 5/8", and 3/4"		2.1 lb (1.0 kg)
KT152T	Lineman's Slim Ratcheting Wrench	13-1/4" (336.6 mm)	3/4", 13/16", 1" and 1-1/8"		2.1 lb (1.0 kg)
KT155HD	5-in-1 Lineman's Wrench, Heavy Duty	12" (304.8 mm)	9/16" and 3/4"		2.1 lb (1.0 kg)
KT155T	5-in-1 Lineman's Wrench	9-3/8" (238.1 mm)	9/16" and 3/4"		1.4 lb (0.6 kg)



2-in-1 Impact Sockets

- Single ended impact socket wrench with hands-free adjustment between socket sizes
- Two coaxial spring-loaded 3/4" and 9/16" hex socket sizes in one tool
- Deep socket with a 1/2" drive works great for pole hardware installation and removal
- High-torque design is easier to position; Cat. No. 66001 works with square fasteners and Cat. No. 66004 works with hex fasteners
- Cross hole design to prevent unintentional separation of adapter and socket
- Engineered for use with impact drivers

NEW!



Cat. No.	Drive Size	Socket Size	Number of Points	Weight
66001 NEW!	1/2"	3/4" and 9/16"	12	0.5 lbs. (0.23 kg)
66004 NEW!	1/2"	3/4" and 9/16"	6	0.5 lb (0.23 kg)

Impact Sockets

- Fine-tuned ball detent provides improved retention, minimizing drops
- Long hollow shaft allows use on long threaded bolts
- Quick-change adapter included on all sockets
- Adapters extend or retract head for easy access to the size you need
- Do not exceed 200 ft./lbs. of torque

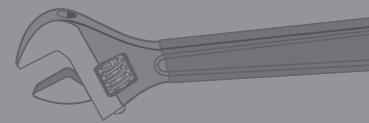
NEW!



Cat. No.	Description	Overall Length	Socket Size	Weight
NRHD	3-in-1 Impact Socket	7-3/4" (196.9 mm)	3/4", 1", 1-1/8"	2.0 lb (0.9 kg)
NRHD3	Single Ended Impact Socket	10" (254.0 mm)	to 1-1/8" (28.6 mm) Square	2.0 lb (0.9 kg)
NRHD4 NEW!	4-in-1 Square Impact Socket	9" (228.6 mm)	Square - 3/4", 13/16", 1" and 1-1/8"	2.26 lb (1.03 kg)
NRHDA	Impact Socket Adapter for NRHD	4-29/32" (124.6 mm)	7/16"	0.36 lb (0.16 kg)
NRHDA3	Single Ended Impact Socket Adapter for NRHD3	2-15/32" (62.7 mm)	1/2"	0.18 lb (0.08 kg)
NRHDA4	Single Ended Impact Socket Adapter for NRHD4	2-3/4" (69.9 mm)	1/2" Male Square	0.18 lb (0.08 kg)

NOTE: Read and follow safety instructions in power tool owner's manual.





Construction Wrenches

Adjustable-Head Construction Wrenches

- Eliminates the need for carrying several fixed-size wrenches
- Forged from select alloy steel with continuous taper handle for aligning bolt and/or rivet holes
- Industrial black finish for corrosion resistance
- Includes lanyard hole for easy tool tethering
- Precision-machined jaws are individually chosen and assembled by hand for smooth operation
- Heat-treated for long life



3239

Cat. No.	Overall Length	Handle Color	Handle Finish	Jaw Capacity	Weight
3239	16" (406.4 mm)	Black	Black Oxide	1-1/2" (38.1 mm)	2.4 lb (1.1 kg)
3227	11" (279.4 mm)	Black	Black Oxide	1-5/16" (33.3 mm)	1.2 lb (0.5 kg)

1/2" Drive Ratcheting Construction Wrench

- Accepts 1/2" square-drive hex socket
- Reversible ratchet
- Eliminates the need for carrying several fixed-size wrenches
- Forged from select alloy steel with continuous taper handle for aligning bolt and/or rivet holes
- Industrial black finish for corrosion resistance



3238

Cat. No.	Overall Length	Size	Weight
3238	15" (381.0 mm)	1/2"	2.1 lb (1.0 kg)

Erection Wrenches

- Forged from select alloy steel to withstand high-leverage and heavy loads
- Extra-heavy-duty head area gives maximum strength and durability
- Continuous taper of handle makes lining-up bolt holes easy and works on a range of bolt-hole sizes without binding
- Extra-large hub area works on larger diameter holes better than other wrenches
- Catalog number, bolt size and nominal opening size are stamped on every wrench for easy identification
- American Bridge design
- Cat. Nos. 3212TT, 3213TT, and 3214TT feature tether hole for working at height



3231



3214TT

Cat. No.	Overall Length	Nut Type	Bolt Size	Nominal Opening	Head Width	Taper Diameter	Weight
3210	14-3/4" (374.7 mm)	U.S. Heavy	1/2" (12.7 mm)	7/8" (22.2 mm)	2-1/4" (57.2 mm)	7/8" to 3/16" (22.2 to 4.8 mm)	1.4 lb (0.6 kg)
3211	14-3/4" (374.7 mm)	U.S. Heavy	5/8" (15.9 mm)	1-1/16" (27.0 mm)	2-1/4" (57.2 mm)	7/8" to 3/16" (22.2 to 4.8 mm)	1.3 lb (0.6 kg)
3212	16-5/8" (422.3 mm)	U.S. Heavy	3/4" (19.1 mm)	1-1/4" (31.8 mm)	2-1/2" (63.5 mm)	1" to 1/4" (25.4 to 6.4 mm)	2.0 lb (0.9 kg)
3213	17-3/8" (441.3 mm)	U.S. Heavy	7/8" (22.2 mm)	1-7/16" (36.5 mm)	3" (76.2 mm)	1-1/8" to 9/32" (28.6 to 7.1 mm)	2.7 lb (1.2 kg)
3214	18" (457.2 mm)	U.S. Heavy	1" (25.4 mm)	1-5/8" (41.3 mm)	3-5/8" (92.1 mm)	1-1/8" to 1/4" (28.6 to 6.4 mm)	3.4 lb (1.5 kg)
3219	14-3/4" (374.7 mm)	U.S. Regular	1/2" (12.7 mm)	3/4" (19.1 mm)	2-1/4" (57.2 mm)	7/8" x 1/2" (22.2 to 12.7 mm)	1.4 lb (0.6 kg)
3220	14-3/4" (374.7 mm)	U.S. Regular	1/2" (12.7 mm)	13/16" (20.6 mm)	2-1/4" (57.2 mm)	7/8" to 3/16" (22.2 to 4.8 mm)	1.4 lb (0.6 kg)
3221	14-3/4" (374.7 mm)	U.S. Regular	5/8" (15.9 mm)	1" (25.4 mm)	2-1/4" (57.2 mm)	7/8" to 3/16" (22.2 to 4.8 mm)	1.3 lb (0.6 kg)
3222	16-5/8" (422.3 mm)	U.S. Regular	3/4" (19.1 mm)	1-1/8" (28.6 mm)	2-1/2" (63.5 mm)	1" to 1/4" (25.4 to 6.4 mm)	2.0 lb (0.9 kg)
3223	17-3/8" (441.3 mm)	U.S. Regular	7/8" (22.2 mm)	1-5/16" (33.3 mm)	3" (76.2 mm)	1-1/8" to 9/32" (28.6 to 7.1 mm)	2.9 lb (1.3 kg)
3224	18" (457.2 mm)	U.S. Regular	1" (25.4 mm)	1-1/2" (38.1 mm)	3-5/8" (92.1 mm)	1-1/8" to 1/4" (28.6 to 6.4 mm)	3.4 lb (1.5 kg)
3231	14-3/4" (374.7 mm)	Utility	5/8" (15.9 mm)	15/16" (23.8 mm)	2-1/4" (57.2 mm)	7/8" to 3/16" (22.2 to 4.8 mm)	1.3 lb (0.6 kg)
3232	16-5/8" (422.3 mm)	Utility	3/4" (19.1 mm)	1-1/16" (27.0 mm)	2-1/2" (63.5 mm)	1" to 1/4" (25.4 to 6.4 mm)	2.0 lb (0.9 kg)

Erection wrenches with tether hole for working at height

3212TT	16-5/8" (422.3 mm)	U.S. Heavy	3/4" (19.1 mm)	1-1/4" (31.8 mm)	2-1/2" (63.5 mm)	1" to 1/4" (25.4 to 6.4 mm)	2.0 lb (0.9 kg)
3213TT	17-3/8" (441.3 mm)	U.S. Heavy	7/8" (22.2 mm)	1-7/16" (36.5 mm)	3" (76.2 mm)	1-1/8" to 9/32" (28.6 to 7.1 mm)	2.7 lb (1.2 kg)
3214TT	18" (457.2 mm)	U.S. Heavy	1" (25.4 mm)	1-5/8" (41.3 mm)	3-5/8" (92.1 mm)	1-1/8" to 1/4" (28.6 to 6.4 mm)	3.4 lb (1.5 kg)



Strap Wrenches

Grip-It™ Strap Wrenches

- Completely adjustable strap wrench
- Works in the tightest quarters
- Urethane-covered, high-strength belting attached to lightweight, I-beam handle
- Cam-action design permits uniform, high-torque application
- Under normal conditions, will not scratch, damage or deform polished pipe and fittings, plastic pipe and fittings, oil and water filters, glass pipe, PVC conduit, or polished shafts
- Also works on alternator belts, flywheels, and propeller assemblies



S12H

Cat. No.	Handle Length	Diameter Capacity O.D.	Weight
S-6H	6" (152.4 mm)	1-1/2" to 5" (38.1 mm to 127.0 mm)	0.20 lb (0.09 kg)
S-12H	12" (304.8 mm)	1-1/2" to 5" (38.1 mm to 127.0 mm)	0.75 lb (0.34 kg)
S-18H	18" (457.2 mm)	1-1/8" to 8" (28.6 to 203.2 mm)	2.8 lb (1.3 kg)

Torque Wrenches

Micro-Adjustable Torque-Sensing Wrenches with Square-Drive Ratchet Head

- Micro-adjustable for increased accuracy
- Easy to read and adjust with quick release lever
- Stainless steel handle provides improved, more comfortable grip
- N.I.S.T. traceable calibration certificate meets the ASME standard of $\pm 4\%$



57005

Cat. No.	Overall Length	Drive Size	Range	Weight
57000	14-1/8" (358.8 mm)	3/8" (9.5 mm)	10 to 100 ft. lb. (13.6 to 135.6 Nm)	2.0 lb (0.9 kg)
57005	10-5/8" (269.9 mm)	3/8" (9.5 mm)	30 to 250 in. lb. (40.7 to 338.9 Nm)	1.2 lb (0.5 kg)
57010	24-1/4" (616.0 mm)	1/2" (12.7 mm)	30 to 250 in. lb. (40.7 to 338.9 Nm)	3.7 lb (1.7 kg)

Master Electrician's Torque Tool Kit

- Two micrometer-adjustable torque wrenches
- Nine hex-wrench bits
- Two 7/16" hex-wrench extensions
- One 7/16" female hex-wrench adapter coupler
- One hex-to-square adapter for wrenches and one adapter for screwdrivers
- One adjustable torque screwdriver
- Seven screwdriver bits; five slotted, two Phillips
- Hinged metal box
- Additional torque screwdrivers available in screwdriver section

Cat. No.	Description	Weight
57060	Master Electrician's Torque Kit 25 Pc	9.6 lb (4.3 kg)



57060