

## Ratcheting Offset Box Wrenches

### Fully Reversible Ratcheting Offset Box Wrenches

- Both ends are offset 25° for more convenient use in confined spaces
- Quick-flip reversing lever for instant ratchet reversal
- Laminated construction for greater strength
- Chrome-plated for rust resistance
- Different size openings at each end



68236

Cat. No.	Point	Size	Length	Weight
68238	6	1/2" x 9/16"	6-3/4" (171.5 mm)	4.8 oz. (136 g)
68236	6	3/8" x 7/16"	5-1/2" (139.7 mm)	2.9 oz. (82 g)
68242	12	3/4" x 7/8"	9-1/8" (231.8 mm)	8.0 oz. (227 g)
68240	12	5/8" x 11/16"	8-1/8" (206.4 mm)	7.4 oz. (210 g)
68234	6	1/4" x 5/16"	4-3/8" (111.1 mm)	2.1 oz. (60 g)

### Ratcheting Refrigeration Wrenches

- 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
- Ruggedly built with polished chrome finish for smooth edges for comfort



68310

Cat. No.	Socket Size	Length	Weight
68309	3/16" and 1/4" Sq. x 1/2" and 9/16" Hex		6.9 oz. (196 g)
68310	3/16" and 5/16" Sq. x 1/4" and 3/8" Sq.		3.2 oz. (91 g)

## Specialty Wrenches

### 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
- Socket ends are color-coded for quick identification of socket sizes
- 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.	Size	Length	Handle Diameter	Weight
68005	3/8" and 7/16" Hex Nut	7" (177.8 mm)	1" (25.4 mm)	5.6 oz. (159 g)

### 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
- Small end is painted silver on Cat. No. 3146A
- Cat. No. 3146B features end openings sized to NEMA hardware specifications



3146



3146B

Cat. No.	Application	Large End Opening	Small End Opening	Color	Length	Weight
3146	5/8" (15.9 mm) Hardware	29/32" and 1-3/32"	5/8" and 13/16"	Dark Blue	13" (330.2 mm)	1.9 lbs. (0.86 kg)
3146A	3/4" (19.1 mm) Hardware	1-1/16" and 1-5/16"	5/8" and 7/8"	Dark Blue	13" (330.2 mm)	1.7 lbs. (0.77 kg)
3146B	Bell System Type	1-1/16" and 1-3/16"	11/16" and 7/8"	Silver	13" (330.2 mm)	1.8 lbs. (0.82 kg)

See page 310 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
- KT155T and KT155HD also offer two popular 12-point wrench sizes: 9/16" and 3/4"



KT152T



KT155HD

Cat. No.	Description	Length	Weight
KT151T	Lineman's Ratcheting Wrench	13" (330.2 mm)	2.1 lbs. (0.95 kg)
KT152T	Lineman's Slim Ratcheting Wrench	13-1/4" (336.6 mm)	2.1 lbs. (0.95 kg)
KT155HD	5-in-1 Lineman's Wrench, Heavy Duty	12" (304.8 mm)	2.1 lbs. (0.95 kg)
KT155T	5-in-1 Lineman's Wrench	9-3/8" (238.1 mm)	1.4 lbs. (0.64 kg)

### Lineman's Box Wrenches

- Chrome plated finish resists corrosion
- 1/2", 9/16", 5/8" and 3/4" sizes in one tool; 12-point sockets
- Reverse ratcheting action by reversing switches on each end of the wrench
- "See-through" insulating handle confirms metal ends are not connected (Cat. No. KT223X4-INS)
- Textured grooves in handle prevent slipping (Cat. No. KT223X4-INS)
- Solid, one piece design (Cat. No. KT223X4) NOT INSULATED



KT223X4-INS



KT223X4

Cat. No.	Description	Size	Length	Weight
KT223X4	Lineman's Ratcheting 4-in-1 Box Wrench	1/2", 9/16" 5/8", 3/4"	9" (228.6 mm)	11.2 oz. (318 g)
KT223X4-INS	Lineman's Insulating 4-in-1 Box Wrench	1/2", 9/16", 5/8", 3/4"	9" (228.6 mm)	11.2 oz. (318 g)
KT223-INS	Lineman's Insulating Box Wrench	9/16", 3/4"	8-1/4" (209.6 mm)	10.00 lbs. (4.54 kg)

### Impact Socket Wrenches and Adapters

- Features three square socket sizes: 3/4", 1", and 1-1/8"
- Fine-tuned ball detent provides improved retention, minimizing drops
- Long hollow shaft allows use on long threaded bolts
- 7/16" hex quick-change adapter included
- Adapters extend or retract head for easy access to the size you need
- Do not exceed 200 ft./lbs. of torque



NRHD



NRHD3



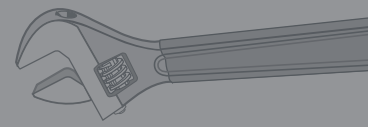
NRHDA



NRHDA3

Cat. No.	Description	Size	Length	Weight
NRHD	3-in-1 Impact Socket Wrench	3/4", 1", 1-1/8"	7-3/4" (196.9 mm)	2.0 lbs. (0.91 kg)
NRHD3	Single Ended Impact Socket Wrench	to 1-1/8" (28.6 mm) Square	10" (254.0 mm)	2.1 lbs. (0.95 kg)
NRHDA	Impact Socket Adapter for NRHD	7/16"	4-29/32" (124.6 mm)	5.8 oz. (164 g)
NRHDA3	Impact Socket Adapter for NRHD3	1/2"	2-15/32" (62.7 mm)	2.9 oz. (82 g)





## 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



Cat. No.	Max. Size Capacity	Overall Length	Weight
3227	1-5/16" (33.3 mm)	11" (279.4 mm)	1.2 lbs. (0.54 kg)
3239	1-1/2" (38.1 mm)	16" (406.4 mm)	2.4 lbs. (1.09 kg)

### 1/2"-Drive Ratcheting Construction Wrench

- Accepts 1/2" (12.7 mm) 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



Cat. No.	Overall Length	Weight
3238	15" (381.0 mm)	2.1 lbs. (0.95 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



Cat. No.	Nut Type	Bolt Size	Nominal Opening	Head Width	Taper Diameter	Overall Length	Weight
3210	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)	14-3/4" (374.7 mm)	1.4 lbs. (0.64 kg)
3211	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)	14-3/4" (374.7 mm)	1.3 lbs. (0.59 kg)
3212	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)	16-5/8" (422.3 mm)	2.0 lbs. (0.91 kg)
3213	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)	17-3/8" (441.3 mm)	2.7 lbs. (1.22 kg)
3214	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)	18" (457.2 mm)	3.4 lbs. (1.54 kg)
3219	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)	14-3/4" (374.7 mm)	1.4 lbs. (0.64 kg)
3220	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)	14-3/4" (374.7 mm)	1.4 lbs. (0.64 kg)
3221	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)	14-3/4" (374.7 mm)	1.3 lbs. (0.59 kg)
3222	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)	16-5/8" (422.3 mm)	2.0 lbs. (0.91 kg)
3223	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)	17-3/8" (441.3 mm)	2.9 lbs. (1.32 kg)
3224	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)	18" (457.2 mm)	3.4 lbs. (1.54 kg)
3231	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)	14-3/4" (374.7 mm)	1.3 lbs. (0.59 kg)
3232	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)	16-5/8" (422.3 mm)	2.0 lbs. (0.91 kg)

Erection Wrenches with Tether Hole							
3212TT	<b>NEW!</b> 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)	16-5/8" (422.3 mm)	2.0 lbs. (0.91 kg)
3213TT	<b>NEW!</b> 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)	17-3/8" (441.3 mm)	2.7 lbs. (1.22 kg)
3214TT	<b>NEW!</b> 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)	18" (457.2 mm)	3.4 lbs. (1.54 kg)

See page 310 for additional information on warnings.

