

HYDRON INCORPORATED

BUGWRENCH

BugWrench™ is setting the standards for utility linemen.

RAUCKMAN™
Utility Products



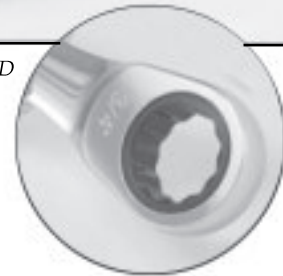
The unique BugWrench combinations - such as 9/16" and 3/4" cannot be found at the local hardware store.



Models BW-223 and BW-223HD with 9/16 & 3/4 fittings.



These special combinations allow line workers to carry one tool that will install hundreds of different connectors. The 3/4" and 9/16" combination is just right when installing or performing maintenance on overhead transformers.



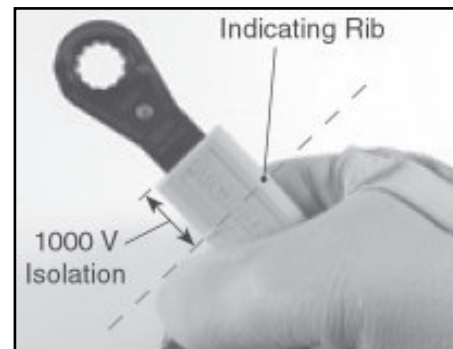
BW-223HD with heavy-duty forged fitting.



BW-251 comes with Ratchet Penta fitting with built-in 3/8" hex socket for "Twist-Off" equipment locks and 5/16" Ball-Tip Hex (Allen). Ball-Tip Hex has a 2" working length for insulated or non-insulated transformer secondary bars.

Electrical Testing—1000 V Rating

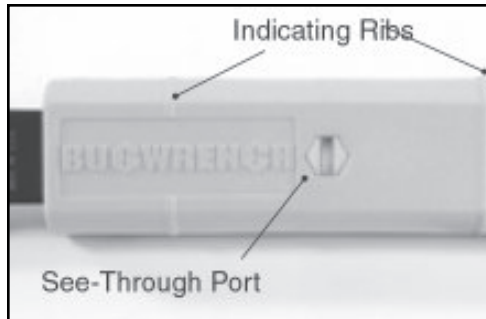
The BugWrench handle is designed with a visual and physical indicator permanently molded (in a shape of a rib) in 2 positions on the handle. This rib provides an indication of the "isolated area" of the handle. Holding the wrench behind the appropriate rib (see photo) provides a 1,000 V rating between the metal working end of the operator's hand.



TESTERS & LIVE
LINE TOOLS

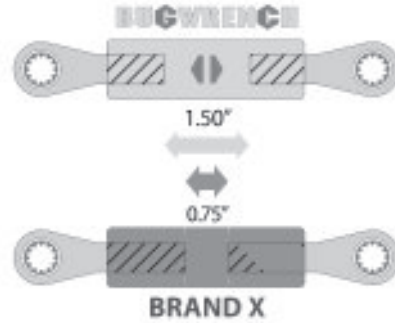
273 Weymouth Street, Rockland, MA 02370
Phone 781-871-1920 • Fax 781-878-1507 • www.hydroninc.com

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The BugWrench handle is formulated of a high strength and high dielectric polymer. All BugWrench tools equipped with the high dielectric handle include the following features:

- A see-through port in the center of the handle to confirm that the two ends are not electrically connected.



Twice the Metal-to-Metal Electrical Isolation

9/16" x 3/4" model data

Number	End 1 Fitting	End 2 Fitting	Wt	Lgt
BW-2090P90	3/8" Allen Ratchet	90° Penta Socket	1 lb	9.25"
BW-2092M	3/8" Allen Ratchet	3/8" Allen Bar	0.7 lb	8"
BW-2093P	5/16" Allen Ratchet	Penta Socket	1 lb	9"
BW-2093P90	5/16" Allen Ratchet	90° Penta Socket	1 lb	9.25"
BW-2093-3	9/16" Allen Ratchet	5/16" Allen Ratchet	1 lb	9"
BW-209375P90	5/26" Allen Ratchet	90° Penta Socket	1 lb	9.25"
BW-221	3/8" Ratchet	9/16" Ratchet	0.7 lb	9"
BW-2210	3/8" Ratchet	7/16" Ratchet	0.7 lb	9"
BW-2212	1/2" Ratchet	9/16" Ratchet	0.7 lb	9"
BW-2213	5/16" Ratchet (6pt)	3/8" Ratchet (6pt)	0.7 lb	8.5"
BW-2213AR	3/8" Allen Ratchet	5/16" Allen Ratchet	0.7 lb	9"
BW-2214	3/8" Ratchet (6pt)	1/2" Ratchet (6pt)	0.7 lb	8.5"
BW-2215P	3/8" Reversible Ratchet	Penta Socket	1 lb	8.75"
BW-223	9/16" Ratchet	3/4" Ratchet	0.7 lb	9"
BW-223HD	3/4" Heavy-Duty Ratchet	9/16" Heavy-Duty Ratchet	0.6 lb	9.5"
BW-2231	9/16" Ratchet	11/16" Ratchet	0.7 lb	9"
BW-2232	3/4" Ratchet	11/16" Ratchet	0.7 lb	9"
BW-2233	9/16" Ratchet	5/8" Ratchet	0.7 lb	9"
BW-2234	1/2" Ratchet	5/8" Ratchet	0.7 lb	9"
BW-2235	5/8" Ratchet	11/16" Ratchet	0.7 lb	9"
BW-2236	5/8" Ratchet	13/16" Ratchet	0.7 lb	9.5"
BW-2237	5/8" Ratchet	3/4" Ratchet	0.7 lb	9"
BW-2238	3/4" Ratchet	13/16" Ratchet	0.7 lb	9.5"
BW-2239	3/8" Reversible Ratchet	3/8" Rev. Allen Ratchet	1	9"
BW-2239B	3/8" Reversible Ratchet	3/8" Reversible Allen Ratchet B-H	1 lbs	9"
BW-224	3/4" Ratchet	7/8" Ratchet	0.7 lb	9.5"
BW-2240	13/16" Ratchet	7/8" Ratchet	1 lb	10"
BW-2241P90	13/16" Ratchet	90° Penta Socket	1 lb	9.75"
BW-2242	11/16" Ratchet	15/16" Ratchet	1 lb	9.5"

Number	End 1 Fitting	End 2 Fitting	Wt	Lgt
BW-2243	13/16" Ratchet	15/16" Ratchet	1 lb	10"
BW-2245	7/8" Ratchet	15/16" Ratchet	1 lb	10"
BW-239	5/16" Reversible Allen Ratchet	5/16" Reversible Allen Ratchet	1 lb	9"
BW-240	5/16" Reversible Allen Ratchet	3/8" Reversible Allen Ratchet	1 lb	9"
BW-240B	5/16" Reversible Allen Ratchet B-H	3/8" Reversible Allen Ratchet B-H	1 lb	9"
BW-240P1	3/8" Reversible Allen Ratchet	Penta Socket	1 lb	8.75"
BW-241P	5/16" Reversible Allen Ratchet	Penta Socket	1 lb	8.75"
BW-241P1	5/16" Reversible Allen Ratchet	Penta Socket	1 lb	8.75"
BW-241P1B	5/16" Reversible Allen Ratchet B-H	Penta Socket	1 lb	8.75"
BW-241P2	5/16" Reversible Allen Ratchet	Penta Socket	1 lb	8.75"
BW-241P90	5/16" Reversible Allen Ratchet	90° Penta Socket	1 lb	9.25"
BW-241P90B	5/16" Reversible Allen Ratchet B-H	90° Penta Socket	1 lb	9.25"
BW-241PS-58	5/16" Reversible Allen Ratchet B-H	Penta Socket	1 lb	8.75"
BW-241PS-58B	5/16" Reversible Allen Ratchet B-H	Penta Socket	1 lb	8.75"
BW-241S	5/16" Reversible Allen Ratchet	Eye Loop	0.7 lb	8.75"
BW-243P	5/16" Reversible Allen Ratchet	90° Penta Socket	1 lb	9.25"
BW-243PB	5/16" Reversible Allen Ratchet B-H	90° Penta Socket	1 lb	9.25"
BW-251	90° Penta Reversible Ratchet	5/16" Reversible Allen Ratchet B-H	1 lb	9"
BW-252	90° Penta Reversible Ratchet	3/8" Reversible Allen Ratchet B-H	1 lb	9"

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HYDRON INCORPORATED

INSULATED HAND TOOLS

Cemenfex

Ratcheting Box Wrenches



CPIRB-1824

Often referred to as "Bug" Wrenches. The ratcheting ends are separated by high dielectric material to eliminate continuity.

No.	Size
CPIRB-1214	3/8" x 7/16"
CPIRB-1618	1/2" x 9/16"
CPIRB-1824	9/16" x 3/4"
CPIRB-2024	5/8" x 3/4"
CPIRB-2428	3/4" x 7/8"

• Metric and Custom Sizes Available

Open End Wrenches



OEW-18

No.	Size	Length
OEW-08	1/4"	3-1/2"
OEW-10	5/16"	4"
OEW-12	3/8"	4-7/8"
OEW-14	7/16"	5-1/2"
OEW-16	1/2"	6"
OEW-18	9/16"	6-5/8"
OEW-20	5/8"	7-1/4"
OEW-22	11/16"	8"
OEW-24	3/4"	8-3/4"
OEW-26	13/16"	9-3/8"
OEW-28	7/8"	10-1/2"
OEW-30	15/16"	11-3/8"
OEW-32	1"	12-1/2"
OEW-34	1-1/16"	13-1/8"
OEW-36	1-1/8"	14"

• Metric and Larger Sizes Available



ND500-CG

NOTE: All tools are manufactured and tested to ASTM-1505-94 and IEC900 standards.

Geared Box Wrenches



IGW-10

No.	Size	Length
IGW-10	5/16"	5"
IGW-12	3/8"	5-1/2"
IGW-14	7/16"	5-1/2"
IGW-16	1/2"	6"
IGW-18	9/16"	6-5/8"
IGW-20	5/8"	7-1/4"
IGW-22	11/16"	8"
IGW-24	3/4"	8-1/4"
IGW-26	13/16"	9-1/4"
IGW-28	7/8"	10"
IGW-30	15/16"	10-3/4"
IGW-32	1"	12"

• Metric Sizes Available

Adjustable Wrenches



AW10

Now available with fully insulated head & knurl nut*

No.	Length	Jaw Opening
AW6	6"	3/4"
AW8	8"	15/16"
AW10	10"	1-1/8"
AW12	12"	1-15/16"
AW15	15"	1-11/16"
*AW8-FI	8"	15/16"
*AW10-FI	10"	1-1/3"
*AW12-FI	12"	1-5/16"

Nutdrivers

No.	Hex Sizes	Color Code	Shank Length
ND100-CG	3/16"	Black	2-1/2"
ND200-CG	1/4"	Red	2-1/2"
ND300-CG	5/16"	Yellow	2-1/2"
ND400-CG	11/32"	Green	2-1/2"
ND500-CG	3/8"	Blue	2-1/2"

Box Wrenches

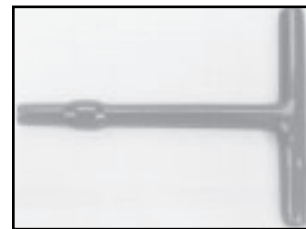


BEW-18

No.	Size	Length
BEW-08	1/4"	3-1/2"
BEW-10	5/16"	4"
BEW-12	3/8"	4-7/8"
BEW-14	7/16"	5-1/2"
BEW-16	1/2"	6"
BEW-18	9/16"	6-5/8"
BEW-20	5/8"	7-1/4"
BEW-22	11/16"	8"
BEW-24	3/4"	8-3/4"
BEW-26	13/16"	9-3/8"
BEW-28	7/8"	10-1/2"
BEW-30	15/16"	11-3/8"
BEW-32	1"	12-1/2"
BEW-34	1-1/16"	13-1/8"
BEW-36	1-1/8"	14"

• Metric and Larger Sizes Available

"T" Handle Socket Wrench



TW12-14L

No.	Hex Size	Handle Length	Overall Length
TW12-14L	7/16"	8"	10"
TW12-16L	1/2"	8"	10"
TW12-18L	9/16"	8"	10"
TW12-20L	5/8"	8"	10"
TW12-22L	11/16"	8"	10"
TW12-24L	3/4"	8"	10"
TW12-26L	13/16"	8"	10"

No.	Hex Sizes	Color Code	Shank Length
ND600-CG	7/16"	Brown	2-1/2"
ND700-CG	1/2"	Red	2-1/2"

• Add XL to Cat. No. for Long Hollow Shaft - 6"
• Add BH to Cat. No. for Bare Head
• Metric Sizes Available

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