



## BW-612 Bore Welder

### ADVANTAGES

- Adjustment of torch rotation speed
- Sets up on boring bar alignment plates
- Works with most competitors boring bar set ups
- Available attachment to perform facing 90 degrees to the bore
- All electrical connections made through one cable
- Welds bores too small for hand welding
- Easily weld bores difficult to reach
- 200 amp continuous duty
- Consumables available from local welding suppliers

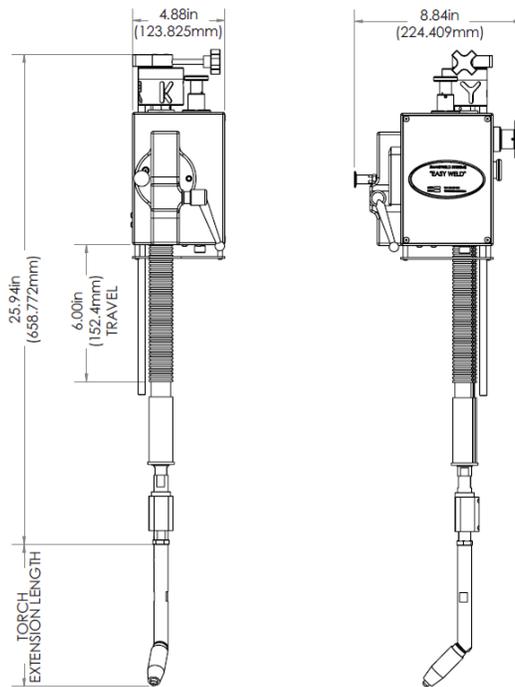
### APPLICATIONS

- Logging
- Mining
- Construction
- Marine
- Pulp and Paper
- Manufacturing Industries
- Crushers
- Excavators – stick, boom mount, lift cylinder mount
- Gears and gear boxes
- Loaders, buckets
- Motor housings and shafts
- Pumps
- Turbines
- Custom designed applications

### PRODUCT DESCRIPTION

The Superior BW-612 is an entry level bore welder with an adjustable step feature that allows control of the weld bead placement. It is compatible with most wire feeder/power supply combinations. The simple remote control adjusts torch rotation speed and turns the wire feeder on and off. The BW-612 easily adjusts to suit the parameters that are best for the application and is made from highly conductive, corrosion, and arc resistant alloys. Compared to hand welding, the BW-612 can weld up to 75% faster, create a consistent weld with less distortion, and expose the user to less fumes and smoke.





<b>Welding Process</b>	Mig/Gmaw
<b>Standard Bore Range</b>	1.5 in to 12 in (38.1 mm – 304.8 mm)
<b>Standard Weld Stroke</b>	6 in standard (152.4 mm)
<b>Optional Weld Stroke</b>	12 in (304.8 mm)
<b>Max. Weld Current</b>	200 Amp
<b>Step Size</b>	Adjustable - Factory set to 1/8 in (3 mm)
<b>Welding Wire Size</b>	.030 - .035 in (.76 – .889 mm)
<b>Standard Extensions</b>	2 in, 3 in, 6 in, 12 in, 15 in (50.8 mm, 76.2 mm, 152.4 mm, 304.8 mm, 381 mm)
<b>Optional Torch Assemblies</b>	1.5 in – 12 in (38.1 mm – 304.8 mm)
<b>Optional Assembly Extension</b>	7 in – 30 in (177.8 mm – 762 mm)
<b>Operation Modes</b>	Precision Step Process Circular OD with attachment
<b>Remote Control Pendant</b>	Included
<b>Welding Power Recommended</b>	CV type
<b>Wire Feeder Required</b>	Burn back control
<b>Recommended</b>	4 Drive Rolls
<b>Power Supply Requirements</b>	120 Volt, 50/60 Hz 230 Volt, 50/60 Hz
<b>Welder weights with pendant</b>	BW-612-6 in 16 lbs (7.25 kg) BW-612-12 in 17 lb (7.7 kg)
<b>Dimensions BW-612-6in</b>	21 ¼ in X 8 in X 5 in (54 cm X 20.3 cm X 12.7 cm)
<b>BW-612-12in</b>	26 ¾ in X 8 in X 5 in (67.9 cm X 20.3 cm X 12.7 cm)
<b>Pelican Case</b>	Included

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