

# **BORE WELDING SYSTEMS**

**PORTABLE BORE REPAIR SYSTEMS PRODUCE  
CONTINUOUS 360° SPIRAL WELDS.**

**REDUCE WELDING AND MACHINING TIME.**



**Welding & Cutting  
Innovations Since 1948.**





# BORE WELDER - FEATURES

## FEATURES:

- Smooth, high quality welding on internal bores from 1.25"-15" (32-381 mm).
- Telescoping extension tube allows multiple in-line welding with one easy set up.
- Reaches 24" (609mm) into a bore with a 7" (177mm) stroke.
- Extension tube is reversible to allow welding of two separate parallel bores.
- Easy operation. Simply measure diameter, find setting on the chart and set rotation knob.
- Interfaces with boring bars.
- Kit accommodates various size of welding wire:
  - BWS-2000: .030 mm
  - BWS-2000-045: .045 mm
  - .035 mm diameter wire available by request.
- Adds axial feed and rotary motion to existing MIG welder.

## Kit Includes:

- Remote Weld Switch.
- "T" Base w/Tack Plate.
- Conduit Assembly & Support w/Aux. Support Rod.
- Extra Nozzles, Tips, and Diffusers to support 1.25" or 1.8" to 15" (32-381 or 46-381mm) diameters. (5 stub diffusers, 10 .8 mm stub tips, 5 stub nozzles, 10 .8 mm tips, 5 nozzles, 5 mini nozzles, 5 mini diffusers).
- Tack Nut.
- Tool Kit.
- Large Diameter Torch Assembly.





# BORE WELDER - TECHNICAL DATA

## TECHNICAL DATA:

### **BWS-2000 Bore Welding System** Bore Welding System for .030"-.035" Wire

**Current Rating:** 150 amp, 60%duty cycle

**Net Weight:** 25 lbs. (11 kg.)

**Shipping Weight:** 70 lbs. (34 kg.)

**Wire Diameters:** .030 and .035

**Diameter Range:** 1.25" to 15" (32- 381mm)  
(up to 24" [610mm] with optional accessories)

### **BWS-2000-045** Bore Welding System for .045" Wire

**Current Rating:** 200 amp, 60%duty cycle

**Net Weight:** 25 lbs. (11 kg.)

**Shipping Weight:** 70 lbs. (34 kg.)

**Wire Diameters:** .030 to .045

**Diameter Range:** 1.8" to 15" (46-381 mm)  
(up to 24" [610mm] with optional accessories)



One Quick Setup - will attach to your Boring Bar Kit.





# BORE WELDER - ACCESSORIES

Optional Accessories to weld from 15" to 24" (381-610 mm):

Item	Description	Quantity
BWS-1042	Extension Tube	2
BWS-A119	8" (203mm) Radial Support Extender	1

**Additional Options Available:**  
**BWS-A129** Auto Skip Option  
**BWS-A108** Centering Cone Set

## Additional Accessories Available:



**BWS-A127 Face Torch**  
 Optional face torch attaches to your Bore Welder and will automatically weld faces from 0-24" (0-610mm).



**Boring Bar Adaptor Kits**  
 Boring Bar Adaptor Kits provide easy, one-step setup. (Part number varies depending on Boring Bar Kit.)



**BWS-A114 O.D. Torch**  
 Attachment for performing external outside diameter welds. O.D. Torch 0-12" (0-305mm)

## Welding Tips

### Stub Tips:

BWS-1058	.030 (.8mm)
BWS-1059	.035 (.9mm)
BWS-1060	.045 (1.2mm)

### Standard Tips:

BWS-1061	.030 (.8mm)
BWS-1062	.035 (.9mm)
BWS-1063	.045 (1.2mm)

## Welding Nozzles and Diffusers

### Mini Nozzle:

BWS-1092	1.25"-2" (32-50mm)
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### Stub Nozzle:

BWS-1066	Use for small diameters
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### Standard Nozzle:

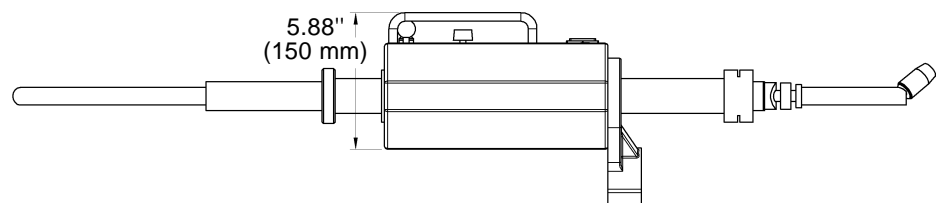
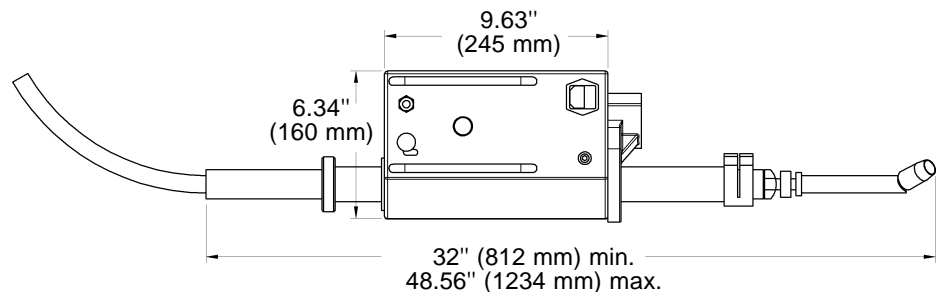
BWS-1067	Use for large diameters
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### Mini Diffuser:

BWS-1093	1.25"-2" (32-50mm)
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### Diffuser:

BWS-1057	Use with all torches
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Call factory for specials, boring bar systems and components or power supply wire feeder options.  
 1-800-245-3186 or 412-331-1776