**MICRO GUN (for 308i) - A138**
**MICRO GUN (for 408i & M1) - A336**
Diameter range: .8 to 2" (20 to 51mm)

**STANDARD GUN (for 308i) - A113**
**STANDARD GUN (for 408i & M1) - A313**
**SHORT GUN (for 408i & M1) - A328**
Standard Guns Diameter range: 1.25 to 8" (32 to 203mm)
Short Gun Diameter Range: 1.25 to 4" (32 to 101mm)
Short Gun 3" (76mm) shorter than standard for use in tight locations.

**FEATURES OF ALL OF OUR GUNS:**
- Quick install on BOA-308i, 408i, 450HD, M1 & L34 Bore Welders
- High electrical & thermal conductivity to help maintain an efficient and safe operating temperature
- Lightweight aluminum construction
- Weld in any position
- Covered by several USA Patents
- Electrical isolation of nozzles and use of standard tips for all bores larger than 1.2" (30mm)

**HI-AMP GUN (for 308i)**
A135
**HI-AMP GUN (for 408i, M1 & L34)**
A344
Minimum Diameter - 4" (101mm)

**HAND-HELD GUN (for 408i & M1)**
A333
Easily connects to Bore Welder conduit, eliminating the need to carry an extra gun and conduit.

**OD GUN (for 308i)**
A114
**OD GUN (for 408i & M1)**
A317
Diameter range: 1 to 12" (25 to 305mm)
Custom sizes available

**LARGE DIAMETER GUN (for 308i)**
A115
**LARGE DIAMETER GUN (for 408i & M1)**
A310
Diameter range: 8 to 15" (200 to 380mm)
Diameter range with extenders: to 48" (1220mm)

**BORE REPAIR SYSTEMS, INC.**
web: borerepair.com

**(800)650-1005 & (603)835-2409**
FACE GUN - K13.10

FEATURES:
- Lightweight
- Adjusts easily to the desired welding position
- Weld either inward or outward
- Weld faces up to 24" diameter
- Quick install on 308i, 408i & M1
- High electrical and thermal conductivity to maintain a low operating temperature
- Covered by USA Patent No. 6,486,438 et al

GUN DIAMETER EXTENSIONS
K13.12

FEATURES:
- Comes with 2 extensions
- Each extension adds 5" (127mm) to the maximum diameter capability of the gun
- Gun liner removal not required
- Use with Large Diameter Gun

BEAM GUN - K13.11

FEATURES:
- Aluminum tube construction makes the torch extremely rigid and durable yet lightweight
- Can weld both ID's and OD's (48" maximum)
- Quick install on 308i, 408i & M1
- High electrical and thermal conductivity to maintain a low operating temperature

GUN REACH EXTENSIONS
A309 [6" (152mm)]
A335 [10" (254mm)]

FEATURES:
- Liners contained in extensions
- Can be used with all guns on 408i and M1 machines
- Quick connection and angular orientation with captive nuts
- Constructed with light, highly conductive aluminum with brass fittings

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(800)650-1005 & (603)835-2409
BORE WELDER SUPPORT OPTIONS

FULLY ADJUSTABLE BASES
"T" BASE (for 408i) - K11.11
"A" BASE (for M1) - K31.21
Allows full adjustment to bore:
- Leveling
- Centering
Also repeatable angular positioning

BOA-M1 - Hand Powered Version

UNIVERSAL HEX MOUNT
for BOA-M1 - K31.10
- Compact and easy to use
- Can be aligned directly from boring bars

BOA-M1 - Powered Version

QUICK CONNECT CENTER SUPPORT KIT
for BOA-408I - K11.21 | for BOA-M1 - K31.11
- Set-up quickly with no guesswork
- Centers directly from boring bar bearing mounts
- Adjustments made directly using off-set dial

Quick Connect Center Support Kit - Exploded View

BORE REPAIR SYSTEMS, INC.
web: borerepair.com

(800)650-1005 & (603)835-2409
**BORE MEASURING KIT**

**K92.10**

- Assembled Measuring Tool
- Bore Being Measured
- Boring Bar
- Cutter

**Easy to Use:**
1. Insert measuring tool through a tool hole in the boring bar
2. Extend the tool into the bore
3. Snap open the measuring tool
4. Retract the bar
5. Measure the tool length

**FEATURES:**
- Kit Diameter Range - 1.7 to 14 inches (42 to 355mm)
- Additional spacers available for larger diameters
- Works in 3/8 and 1/2 inch, and 10, 12, 16mm tool holes
- Durable large diameter plungers
- Stainless steel construction
- No tools needed for most bores
- Comes in durable case with special nesting and adapters for two tooling sizes

**TIGHT BORE MEASURING KIT**

**K92.20**

- Complete View
- View w/Bar Not Shown
- Gauge Plunger
- Gauge Adapter
- Gauge Body
- Cutter
- Bore Being Measured

**FEATURES:**
- Measure bore diameters equal to bar size, to bar size plus .5 inches (12mm)
- Durable large diameter plungers
- No tools needed
- Kits for all bar and tool sizes available
- Patent Pending

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**MULTI-FUNCTION TOOL ADJUSTER**

- Pull Tool Configuration
- Long Plunger Assembly
- Gauge Adapter
- Spacer
- Short Plunger Assembly

**Available for the following Tooling Sizes:**
1. 1/4” square > K93.10 (Body Only #903)
2. 3/8” square > K93.11 (Body Only #904)
3. 1/2” square > K93.12 (Body Only #905)
4. 10mm square > K93.13 (Body Only #906)
5. 12mm square > K93.14 (Body Only #907)
6. 16mm round > K93.15 (Body Only #908)
7. 3/8” & 1/2” sq > K93.16

All kits include a Tool Adjuster Body, a Barrel Micrometer, a Multi-Function Tool Adjuster Support, and a Carrying Case and Tools

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**CARBIDE TOOLING KIT**

**3/8” Tool - #91.10 | 1/2” Tool - #91.11**

- Carbide Bit, Holder and Tool
- (Kit includes 2 bits, holder and tool)

**FEATURES:**
- Special low-profile design works with Bore Repair 93 tool adjuster
- Available in 3/8” and 1/2” square
- A variety of carbide grades are available allowing various materials to be machined

**PRE-SHARPENED HIGH-SPEED STEEL BITS**

**3/8” Square Bit - #9088 | 1/2” Square Bit - #9087**

- Wide cutting edge allows both ID and spot facing for easy face touch-up
- Design of the grind offers easy sharpening using a standard bench grinder
- Special grind for longer edge life and cleaner cut

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**www.borerepair.com**

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BOARING BAR SUPPORT KIT (K94.20)*

**KIT INCLUDES:**
(2) 9194 Alignment Sleeve
(2) 9010 Drive Support & Spherical Support Adjuster Plate Assemblies
(1) 9194 Alignment Sleeve

**Set-Up Steps:**
1. Tack weld or clamp the Adjuster Plate Assemblies adjacent to the bores to be repaired. (The plates should be approximately perpendicular to the bore axis, and with the clamping bolt 5” from the bore centerline.)
2. Attach the Drive Support as shown, and the Spherical Support (not shown) to the Adjuster Plate.
3. Adjust as necessary using the "jack" bolts to achieve the desired bore alignment.
4. Insert the Alignment Sleeve into the Drive Support as shown.
5. Slide the Boring Bar through the Alignment Sleeve and the Spherical Support.
6. Tighten the Strap Clamp.

_ID GROOVE CUTTER_

**FEATURES**
- Cutter fits in 1/2" tool holes in boring bars
- High speed steel cutting bits
- Cuts grooves in bores from 2.5" to 6" (64 to 152mm)
- Very compact - can be used in confined spaces

**FOR THE FOLLOWING BAR SIZES**
- 1 1/4" Bars K96.10
- 1 3/4" Bars K96.11
- 2" Bars K96.12
- 2 1/4" Bars K96.13

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