

# BERNARD AIR-COOLED MIG GUNS

## BEST OF THE BEST (BTB) PLATFORM

**BernardWelds.com/BTB**  
1-855-MIGWELD (644-9353)

### OUR MOST FLEXIBLE AND RUGGED MIG GUN OFFERING EVER!

Build your ultimate MIG gun as you choose from an expanded list of the best features of our top MIG gun lines – now consolidated for your convenience into a single gun line and single online configurator.

Here's what's now compatible with curved and straight handles from our former Q-Gun™, S-Gun™ and T-Gun™ MIG Gun lines:

**NEW!** One year Manufacturer's Warranty

**NEW!** Your choice of fixed or rotatable neck on any handle style\*

**NEW!** Your choice of Centerfire™, Quik Tip™ or TOUGH LOCK™ Consumables on any front handle style

**NEW!** Your choice of Universal Conventional Liners or QUICK LOAD™ Liners

**NEW!** Your choice of a Universal Power Pin or AutoLength™ Pin for the QUICK LOAD Liner AutoLength System – Variety of pins available to connect with most major brands of feeders

Your choice of six front handle styles and sizes

**NEW!** Your choice of Industrial Grade Cable or Steel Monocoil Cable\*

**NEW!** Straight rear strain relief with Lifetime Warranty – Now standard on all front handle styles\*

### ACCESSORIES

- Q-Neck coupler and grip
- Heat shield
- Neck guard
- Specialty nozzles
- Lock-on trigger options
- Dual schedule switch
- Gun hanger
- Repair kits

*\*Some limitations exist. Please consult our online configurator or your Customer Service Representative.*



# Bernard™ BTB MIG Guns

Issued Jan. 2016 • Index No. BTB/1.4

**Semi Automatic Air-Cooled  
MIG Welding Guns**

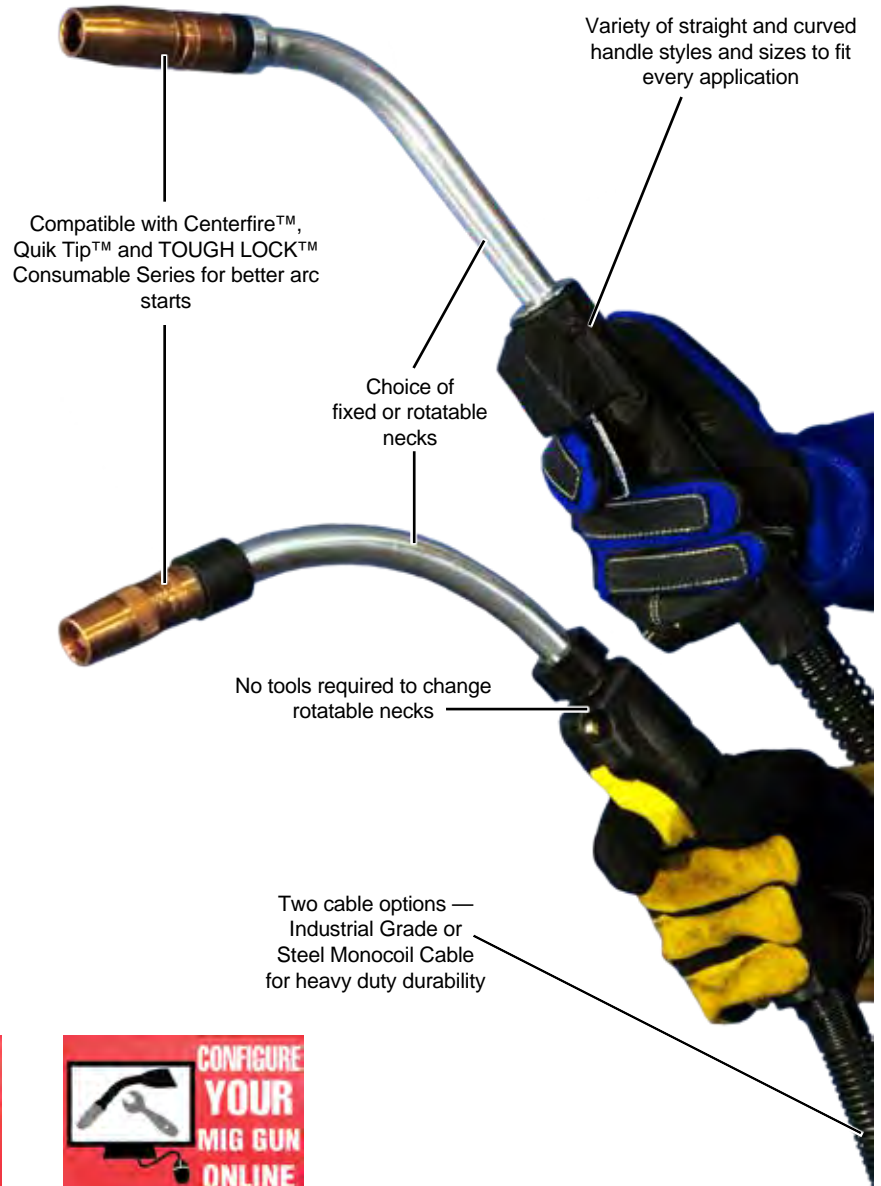


Quick Specs	Applications	Processes	Rated Output	Duty Cycle
	Heavy Equipment Shipbuilding Pipeline Fabrication	MIG (GMAW) Welding	200A 300A 400A 500A 600A	100% CO <sub>2</sub> Gas 60% with Mixed Gases

Bernard™ BTB MIG Guns combine the best features of our legacy Q-Gun™, S-Gun™ and T-Gun™ MIG Gun lines to bring you our most flexible and rugged MIG Gun offering.

BTB MIG Guns are designed for maximum configuration options and the industrial-grade performance that our customers have come to depend on.

- Aluminum armored necks, available as either fixed or rotatable, withstand abuse and offer outstanding heat dissipation
- Compatible with your choice of Centerfire™, Quik Tip™ or TOUGH LOCK™ Consumables on any front handle style
- NEW! Universal Conventional Liners or QUICK LOAD™ Liners
- Available in 200, 300, 400, 500 and 600 amp models
- Choose your desired cable length: 8, 10, 12, 15, 20 or 25 feet.
- Available wire size ranges from 0.023" (0.6 mm) to 1/8" (3.2 mm)
- Straight rear strain relief with Lifetime Warranty now standard



One year manufacturer's warranty on all configured guns



Select the best handle style and size to fit your EXACT needs



Choose from an expanded list of the best features of our top MIG gun lines



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For more information, visit us at [BernardWelds.com](http://BernardWelds.com)

# Cable Options

(available through configurator)

## Industrial Grade Cable

### Details

The heavy duty Industrial Cable features cotton wrapped copper and durable trigger leads surrounding a hytel inner tube. The industrial grade cable is compatible with all amperages, cable lengths and all handle styles and sizes.

### Amperages

200 Amp  
300 Amp  
400 Amp  
500 Amp  
600 Amp

### Cable Lengths

8 ft (2.44 m)  
10 ft (3.05 m)  
12 ft (3.66 m)  
15 ft (4.57 m)  
20 ft (6.10 m)  
25 ft (7.62 m)

### Handle Styles

B Series  
Small Curved Handle  
Large Curved Handle  
O Series  
Small Curved Handle  
Large Curved Handle  
T Series  
Small Straight Handle  
Large Straight Handle

## Steel Monocoil Cable

### Details

The Steel Monocoil Cable offers extra structural integrity through the steel monocoil inner tube which gives it superior pinch resistance and helps to ensure good gas flow and wire feedability. The steel monocoil cable is ideal for use in welding applications that require longer gun cables that may be frequently looped or stretched around corners to the point of pinching.

### Amperages

300 Amp  
400 Amp  
500 Amp  
600 Amp

### Cable Lengths


8 ft (2.44 m)  
10 ft (3.05 m)  
12 ft (3.66 m)  
15 ft (4.57 m)  
20 ft (6.10 m)  
25 ft (7.62 m)

### Handle Styles

O Series  
Small Curved Handle (300A & 400A only)  
Large Curved Handle  
T Series  
Large Straight Handle (300A & 400A only)

# Handle & Trigger Options

(available through configurator)

Features	B Series Small Curved handle	B Series Large Curved handle	O Series Small Curved handle	O Series Large Curved handle	T Series Small Straight handle	T Series Large Straight handle
						
Amperage	200, 300	400	200, 300, 400	400, 500, 600	300	300, 400, 500, 600
Style	Curved	Curved	Curved	Curved	Straight	Straight
Neck	Fixed or Rotatable	Fixed or Rotatable	Fixed or Rotatable	Fixed or Rotatable	Fixed	Fixed or Rotatable
Trigger	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> <li>Dual Pull</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> <li>Dual Pull</li> <li>Dual Schedule Switch</li> <li>Dual Schedule Switch with Locking</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> <li>Dual Pull</li> <li>Dual Schedule Switch</li> <li>Dual Schedule Switch with Locking</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> <li>Dual Pull</li> <li>Dual Schedule Switch</li> <li>Dual Schedule Switch with Locking</li> </ul>
Cable	Industrial Grade	Industrial Grade	Industrial Grade or Steel Monocoil for 300, 400 amp only	Industrial Grade or Steel Monocoil	Industrial Grade	Industrial Grade or Steel Monocoil for 300, 400 amp only

# Neck Options

(available through configurator)

## Fixed Necks

### T Series Small Straight Handles

205-45	45° Short
205-60	60° Short
315-45	45° Medium
315-60	60° Medium
405-45NB	45° Long
405-60NB	60° Long

### T Series Large Straight Handles

305-45	45° Short
305-60	60° Short
405-45	45° Medium
405-60	60° Medium
505-45	45° Long
505-60	60° Long

405-45LL	45° Longest
405-60LL	60° Longest

### B Series and O Series Curved Handles

QT2-30	30° Short
QT2-45	45° Short
QT2-60	60° Short
QT2-80	80° Short

QT3-30	30° Medium
QT3-45	45° Medium
QT3-60	60° Medium
QT3-80	80° Medium

QT5-30	30° Long
QT5-45	45° Long
QT5-60	60° Long

## Rotatable Necks

### B Series, O Series Curved Handles and T Series Large Straight Handles

QT2-30	30° Short
QT2-45	45° Short
QT2-60	60° Short
QT2-80	80° Short

QT3-30	30° Medium
QT3-45	45° Medium
QT3-60	60° Medium
QT3-80	80° Medium

QT5-30	30° Long
QT5-45	45° Long
QT5-60	60° Long

T Series Small Handles are not compatible with rotatable necks

## Neck Insulators

Users should be aware that neck insulator replacement for Bernard BTB MIG Guns will be based on several variables including:

- Gun Amperage
- Neck & Handle Combination
- Consumable Series

Use the chart on the right to select the appropriate replacement neck insulator.

Neck & Handle	Consumables	200A	300A	400A	500A	600A
		Insulator Part Number				
Fixed Necks for T Series Straight handles	Centerfire™	4523R			4423R	
	Quik Tip™			4423R		
	TOUGH LOCK™			402-11		
Rotatable Necks for O, B, T Series handles	Centerfire	4523R			4423R	
	Quik Tip			4423R		
	TOUGH LOCK			10012		
Fixed Necks for O and B Series handles	Centerfire	4523R			4423R	
	Quik Tip			4423R		
	TOUGH LOCK			10012		

# Consumables

(available through configurator)

## Centerfire™ Consumable Series

### Contact Tips

T-023	0.023" (0.6 mm)
T-030	0.030" (0.8 mm)
T-035	0.035" (0.9 mm)*
T-039	0.039" (1.0 mm)
T-045	0.045" (1.2 mm)*
T-052	0.052" (1.4 mm)

T-062	1/16" (1.6 mm)*
T-078	5/64" (2.0 mm)
T-094	3/32" (2.4 mm)
T-109	7/64" (2.8 mm)
T-125	1/8" (3.2 mm)

\*Part number also applicable for aluminum wire in corresponding size

### Diffusers

DS-1	Small, Brass
D-1	Large, Brass

### Nozzles

NS-1218B	1/2" Bore, 1/8" Recess, Brass
NS-5818C	5/8" Bore, 1/8" Recess, Copper
N-5818C	5/8" Bore, 1/8" Recess, Copper
N-5814C	5/8" Bore, 1/4" Recess, Copper
N-3414C	3/4" Bore, 1/4" Recess, Copper

See Centerfire™ Consumables Spec Sheet (SP-CF) for more information and additional options that can be ordered separately

# Consumables (continued)

## Quik Tip™ Consumable Series

### Contact Tips

<b>T1023</b>	0.023" (0.6 mm)	<b>T1116</b>	1/16" (1.6 mm)*
<b>T1030</b>	0.030" (0.8 mm)	<b>T1564</b>	5/64" (2.0 mm)
<b>T1035</b>	0.035" (0.9 mm)*	<b>T1332</b>	3/32" (2.4 mm)
<b>T1039</b>	0.039" (1.0 mm)	<b>T1764</b>	7/64" (2.8 mm)
<b>T1045</b>	0.045" (1.2 mm)	<b>T1118</b>	1/8" (3.2 mm)
<b>T1052</b>	0.052" (1.4 mm)	<b>T1364</b>	3/64" (1.2 mm) Aluminum

\*Part number also applicable for aluminum wire in corresponding size

### Diffusers

<b>D118Q</b>	1/8" Recess
<b>D114Q</b>	1/4" Recess

### Nozzles

<b>N1C58Q</b>	5/8" Bore, Plated Copper
<b>N1C34HQ</b>	3/4" Bore, Plated Copper, HD

See Quik Tip™ Consumables Spec Sheet (SP-QT) for more information and additional options that can be ordered separately

## TOUGH LOCK™ Standard Duty Consumable Series

### Contact Tips

<b>403-14-23</b>	0.023" (0.6 mm)
<b>403-14-30</b>	0.030" (0.8 mm)
<b>403-14-35</b>	0.035" (0.9 mm)*
<b>403-14-1.0</b>	0.039" (1.0 mm)
<b>403-14-45</b>	0.045" (1.2 mm)*

\*Part number also applicable for aluminum wire in corresponding size

### Nozzles

<b>401-6-62</b>	5/8" Bore, 1/8" Recess, Copper
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### Retaining Head

<b>404-18</b>	Brass
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## TOUGH LOCK™ Heavy Duty Consumable Series

### Contact Tips

<b>403-20-30</b>	0.030" (0.8 mm)
<b>403-20-35</b>	0.035" (0.9 mm)*
<b>403-20-1.0</b>	0.039" (1.0 mm)
<b>403-20-45</b>	0.045" (1.2 mm)*
<b>403-20-52</b>	0.052" (1.4 mm)

<b>403-20-116</b>	1/16" (1.6 mm)*
<b>403-20-564</b>	5/64" (2.0 mm)
<b>403-20-332</b>	3/32" (2.4 mm)
<b>403-20-364</b>	3/64" (1.2 mm) Aluminum

\*Part number also applicable for aluminum wire in corresponding size

### Retaining Head

<b>404-26</b>	Dual Taper, Brass
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### Nozzles

<b>401-6-62</b>	5/8" Bore, 1/8" Recess, Copper
<b>401-5-62</b>	5/8" Bore, 1/4" Recess, Copper
<b>401-5-75</b>	3/4" Bore, 1/4" Recess, Copper

See TOUGH LOCK™ Consumables Spec Sheet (SP-TLC) for more information and additional options

## QUICK LOAD™ Liners

### 10' (3.05 m) Gun Lengths

<b>415-35-10Q</b>	for 0.035" - 0.045" wire
<b>415-116-10Q</b>	for 0.045" - 1/16" wire

### Liner Retainers (required for initial installation)

<b>415-26</b>	for 0.035" - 5/64" wire
<b>415-24</b>	for 0.078" - 3/32" wire

### 15' (4.57 m) Gun Lengths

<b>415-23-15Q</b>	for 0.023" (0.6 mm) wire
<b>415-30-15Q</b>	for 0.030" (0.8 mm) wire
<b>415-35-15Q</b>	for 0.035" (0.9 mm) wire
	for 0.039" (1.0 mm) wire
	for 0.045" (1.2 mm) wire

<b>415-116-15Q</b>	for 0.052" (1.4 mm) wire
<b>415-564-15Q</b>	for 5/64" (2.0 mm) wire
<b>415-332-15Q</b>	for 3/32" (2.4 mm) wire

### 25' (7.62 m) Gun Lengths

<b>415-23-25Q</b>	for 0.023" (0.6 mm) wire
<b>415-30-25Q</b>	for 0.030" (0.8 mm) wire
<b>415-35-25Q</b>	for 0.035" (0.9 mm) wire
	for 0.039" (1.0 mm) wire
	for 0.045" (1.2 mm) wire

<b>415-116-25Q</b>	for 0.052" (1.4 mm) wire
<b>415-564-25Q</b>	for 5/64" (2.0 mm) wire
<b>415-332-25Q</b>	for 3/32" (2.4 mm) wire

See QUICK LOAD™ Liner Spec Sheet (SP-QLL) for more information

# Consumables (continued)

## Universal Conventional Liners

### 10' (3.05 m) Gun Lengths

<b>L3A-10</b>	for 0.035" - 0.045" wire
<b>L4A-10</b>	for 0.045" - 1/16" wire

### 15' (4.57 m) Gun Lengths

<b>L1A-15</b>	for 0.023" - 0.030" wire
<b>L2A-15</b>	for 0.030" - 0.035" wire
<b>L3A-15</b>	for 0.035" - 0.045" wire*
<b>L4A-15</b>	for 0.045" - 1/16" wire**
<b>L6A-15</b>	for 5/64" wire
<b>L7A-15</b>	for 3/32" wire
<b>L8A-15</b>	for 7/64" - 1/8" wire

### 25' (7.62 m) Gun Lengths

<b>L1A-25</b>	for 0.023" - 0.030" wire
<b>L2A-25</b>	for 0.030" - 0.035" wire
<b>L3A-25</b>	for 0.035" - 0.045" wire*
<b>L4A-25</b>	for 0.045" - 1/16" wire**
<b>L6A-25</b>	for 5/64" wire
<b>L7A-25</b>	for 3/32" wire
<b>L8A-25</b>	for 7/64" - 1/8" wire

\*Standard Liner for 0.035" & 0.045" Guns

\*\*Standard Liner for 1/16" Guns

See Universal Conventional Liner Spec Sheet (SP-L) for more information

## Conventional Liners for Aluminum Wire

### 10' (3.05 m) Gun Lengths

<b>415-45-02</b>	for 0.035" - 3/64" wire Polymer Liner
<b>415-116-22</b>	for 3/64" - 1/16" wire Polymer Liner

### 15' (4.57 m) Gun Lengths

<b>415-45-03</b>	for 0.035" - 3/64" wire Polymer Liner
<b>415-35-2</b>	for 0.035" - 0.045" wire Steel Wrapped Nylon
<b>415-116-2</b>	for 0.045" - 1/16" wire Steel Wrapped Nylon
<b>415-116-23</b>	for 3/64" - 1/16" wire Polymer Liner

### 25' (7.62 m) Gun Lengths

<b>415-45-04</b>	for 0.035" - 0.045" wire Steel Wrapped Nylon
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## Power Pins

(available through configurator)

### Bernard™

<b>1880259B</b>	Quick Disconnect Kit
<b>2200140</b>	Power Pin (Includes O-Rings)

### Euro

<b>1880259E</b>	Power Pin Kit
<b>5060T</b>	Euro Block Assembly
<b>4816</b>	Adapter Nut

### Lincoln®

<b>1880259L</b>	Power Pin Kit
<b>214-2-1</b>	Power Pin

### AutoLength Pin

<b>425-820E</b>	for 0.030"-0.045"
<b>428-920E</b>	for 0.052"-3/32"

### AutoLength Pin

<b>214-87</b>	for 0.030"-0.045"
<b>214-97</b>	for 0.052"-3/32"

### Miller®

<b>1880259M</b>	Power Pin Kit
<b>2200137</b>	Power Pin (Includes O-Rings)

### OXO™

<b>1880259X</b>	Power Pin Kit
<b>427-12</b>	Power Pin

### AutoLength Pin

<b>214-81</b>	for 0.030"-0.045"
<b>214-91</b>	for 0.052"-3/32"
<b>214-9</b>	for 7/64" - 1/8"

### Tweco® #4

<b>1880259T4</b>	Power Pin Kit
<b>214</b>	Power Pin (Includes O-Rings)

### Tweco® #5

<b>1880259T5</b>	Power Pin Kit
<b>214-12</b>	Power Pin (Includes O-Rings)

### AutoLength Pin

<b>214-80</b>	for 0.030"-0.045"
<b>214-90</b>	for 0.052"-3/32"

### AutoLength Pin

<b>214-812</b>	for 0.030"-0.045"
<b>214-912</b>	for 0.052"-3/32"

See Universal Power Pin Spec Sheet (SP-PPK) for more information



# Additional Options

(not configurable, please order separately)

## Bernard Jump Liners (included with and to be used with Rotatable Neck option guns)

Jump liners replace only the most commonly worn and clogged liner area to reduce the amount of time a gun is offline and to minimize inventory. These jump liners enable quick and easy neck change-out so guns can be easily adapted to fit multiple applications.

The Bernard Jump Liners connect with conventional liners at the base of the neck and run through the most commonly worn area up to the contact tip.

<b>QJL-2330</b>	0.023" - 0.030" (0.6 mm - 0.8 mm)	14"
<b>QJL-2330-XL</b>	0.023" - 0.030" (0.6 mm - 0.8 mm)	27"
<b>QJL-3545</b>	0.035" - 0.045" (0.9 mm - 1.2 mm)	14"
<b>QJL-3545-XL</b>	0.035" - 0.045" (0.9 mm - 1.2 mm)	27"
<b>QJL-116</b>	1/16" (1.6 mm)	14"
<b>QJL-116-XL</b>	1/16" (1.6 mm)	27"
<b>QJLH-116</b>	1/16" Heavy Duty (1.6 mm)	14"
<b>QJLN-364*</b>	0.035" - 3/64" Nylon (0.9 mm - 1.2 mm)	14"
<b>QJLN-116*</b>	1/16" Nylon (1.6 mm)	14"

\*Nylon liners available for aluminum wire. See Liner spec sheet (L-1.4) for details

### For use with Rotatable Neck option guns.

See Bernard Jump Liner Spec Sheet (SP-JL) for more information

## Specialty Nozzles

TOUGH ACCESS™ Consumables are a sleek line of consumables (including retaining heads and nozzles) that allow entry into those hard-to-reach places that would otherwise be inaccessible due to fixture design or weldment.

Available in straight bore (5/8") and bottleneck (1/2") style nozzles, these unique consumables are compatible with TOUGH LOCK™ Contact Tips.

Compatible with Fixed Necks on Straight Handle Styles only.



See Tregaskiss TOUGH ACCESS™ Consumables Spec Sheet (SP-TAC) for more information

## Flex Necks

### For B Series and O Series Handles

Save labor and time — change, rotate or bend the Flex Neck to your desired angle without tools. The connection improves conductivity for better weld quality and lessens heat to increase operator comfort. Available in 6" and 8" lengths and is easily removable for jump liner changover. Compatible with Bernard Centerfire™ and Quik Tip™ Consumables.

- QT-F-6** 6" length
- QT-F-8** 8" length



### T Series Handles

The Flex Neck for T Series handles features a braided copper conductor tube with a bend radius of up to 80° allowing you to reach your weld joints comfortably. The flex neck can be replaced without disturbing cable connections and is compatible with select Tregaskiss™ TOUGH LOCK™ and TOUGH ACCESS™ Consumables.

**405-FL**

See Flex Neck Spec Sheet (SP-FN) for more information



## Nozzles

<b>401-54-62</b>	Straight Bore – 5/8" Bore, 1/8" Tip Recess
<b>401-55-62</b>	Straight Bore – 5/8" Bore, Flush Tip
<b>401-56-62</b>	Straight Bore – 5/8" Bore, 1/8" Tip Stick-Out
<b>401-57-62</b>	Straight Bore – 5/8" Bore, 1/4" Tip Stick-Out
<b>401-54-50</b>	Bottleneck* – 1/2" Bore, 1/8" Tip Recess
<b>401-55-50</b>	Bottleneck* – 1/2" Bore, Flush Tip
<b>401-56-50</b>	Bottleneck* – 1/2" Bore, 1/8" Tip Stick-Out
<b>401-57-50</b>	Bottleneck* – 1/2" Bore, 1/4" Tip Stick-Out

## Retaining Heads

<b>404-50-25</b>	Heavy Duty Retaining Head
<b>404-54-25</b>	Standard Duty Retaining Head

## Neck Insulators

<b>402-17-25</b>	Neck Insulator
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\*Standard Duty consumables recommended for bottleneck styles

## Additional Options (continued)

(not configurable, please order separately)

### Specialty Necks

There are additional standard necks available in multiple lengths and bends that will help ensure a high quality weld and to improve operator comfort.

See Neck Spec Sheet (N-1.6) for more information.



## Accessories

(not configurable, please order separately)

### Neck Grips



#### For Curved Handle MIG Guns

This high temperature rubber sleeve for curved handle MIG guns provides the operator with improved accuracy and reduced heat exposure. The Q-Neck Grip is designed to help users hold the neck in a steady position, improve overall weld quality and reduce operator fatigue.

**1840067**



#### For T Series Handles

This neck grip features a heavy duty metal spring for straight handle MIG guns configured with fixed necks. Designed to reduce heat exposure and help users hold the neck in a steady position in order to improve weld quality and reduce operator fatigue.

**406-1** 45°  
**406-2** 60°

### Q-Neck Coupler



The Q-Neck Coupler is designed to connect any two Q-Necks for flexibility and to minimize the need for special-order necks. Compatible with any rotatable necks.

**QT-CPL**

## Additional Accessories

### Gun Hanger

Store your Bernard MIG Gun neatly and efficiently between welds with this gun hanger.

**422H** Compatible with fixed or rotatable necks  
**1790002** Compatible with B Series Small and Large Handles

### Heat Shield

Our durable heat shield prevents injury by protecting the user's hand from the heat of the weld, improving operator comfort and weld quality.

**421** Compatible with fixed or rotatable necks



### Handle Replacement Kits

#### B Series Small and Large

**1880155** 200, 300 amp (std, locking, dual pull)  
**1880198** 400 amp (std, locking, dual pull)  
**DSA-1** 400 amp Dual Schedule (std. and locking)

#### O Series Small

**1880219** 200, 300, 400 amp (std, locking)  
**177370** 200, 300, 400 (std. with ext.)

#### O Series Large

**1880220** 400, 500, 600 amp (std, locking, dual pull)  
**1880221** 400, 500, 600 amp Dual Schedule (std. and locking)

#### T Series Small

**320** 300 amp (standard)



# Ordering Information

Amperage	Length	Handle & Trigger Option	Neck Option	Consumable	Wire Sizes	Power Pin	Liner Type
Q40	15	A	E	8	D	M	L
<b>Industrial Grade Cable</b>	08 ft. (2.44 m)	<b>B Series Small Curved Handle</b> <b>Q20, Q30</b>	<b>Rotatable</b> † A Short 30°	2 TOUGH LOCK™ <sup>^</sup> Standard Duty	A 0.023"(.6 mm)	B Bernard™	C Universal Conventional
<b>Q20</b> 200 Amp Max. wire size 1/16"	10 ft. (3.05 m)	A Standard Trigger	B Short 45°	3 TOUGH LOCK™ <sup>^^</sup> Heavy Duty	B 0.030"(.8 mm)	E Euro	L QUICK LOAD™ Liner AutoLength™ System**
<b>Q30</b> 300 Amp Max. wire size 5/64"	12 ft. (3.66 m)	B Locking Trigger	C Short 60°	5 Quik Tip™ <sup>^^^</sup>	C 0.035"(.9 mm)	L Lincoln®	Q QUICK LOAD™ Liner***
<b>Q40</b> 400 Amp Max. wire size 5/64"	15 ft. (4.57 m)	C Dual Pull Trigger	J Short 80°	8 Centerfire™ <sup>^^^</sup>	D 0.039"(1.0 mm)	M Miller®	
<b>Q40</b> 400 Amp Max. wire size 5/64"	20 ft. (6.16 m)	<b>B Series Large Curved Handle</b> <b>Q40</b>	D Medium 30°		E 0.045"(1.2 mm)	O OXO™	
<b>Q50</b> 500 Amp Max. wire size 3/32"	25 ft. (7.63 m)	A Standard Trigger	E Medium 45°		H 0.052"(1.4 mm)	R Tweco® #4 (Miller Lead)	
<b>Q60</b> 600 Amp Max. wire size 1/8"		B Locking Trigger	F Medium 60°		I 1/16"(1.6 mm)	S Tweco #4 (Lincoln Lead)	
<b>Steel Monocoil Cable</b>		C Dull Pull Trigger	G Long 30°		K 5/64"(2.0 mm)	T Tweco #4 (std. Lead)	
<b>S30</b> 300 Amp Max. wire size 5/64"		D Dual Schedule Switch	H Long 45°		L 3/32"(2.4 mm)	U Tweco #4 (NAS Plug)	
<b>S40</b> 400 Amp Max. wire size 5/64"		E Locking Dual Schedule	I Long 60°		M 7/64"(2.8 mm)	W Tweco #5 (std. Lead)	
<b>S50</b> 500 Amp Max. wire size 3/32"		<b>O Series Large Curved Handle</b> <b>Q40, Q50, Q60, S40, S50, S60</b>	<b>Fixed</b> N Short 30°††		N 1/8"(3.2 mm)	X Tweco #5 (Miller Lead)	
<b>S60</b> 600 Amp Max. wire size 1/8"		G Standard Trigger	O Short 45°		<b>Aluminum</b> Q 0.035"(.9 mm)		
		H Locking Trigger	P Short 60°		R 3/64" (1.19 mm)		
		I Dual Pull Trigger	W Short 80°††		S 1/16" (1.6 mm)*		
		K Dual Schedule Switch	Q Medium 30°††				
		L Locking Dual Schedule	R Medium 45°				
		<b>T Series Large Straight Handle</b> <b>Q30, Q40, Q50, Q60, S30, S40</b>	S Medium 60°				
		M Standard Trigger	X Medium 80°††				
		N Locking Trigger	T Long 30°††				
		P Dual Pull Trigger	U Long 45°				
		Q Dual Schedule Switch	V Long 60°				
		R Locking Dual Schedule	Y Extra Long 45°†††				
		<b>T Series Small Straight Handle</b> <b>Q30</b>	Z Extra Long 60°†††				
		S Standard Trigger					
		<b>O Series Small Curved Handle</b> <b>Q20, Q30, Q40, S30, S40</b>					
		T Standard Trigger					
		U Locking Trigger					

†Not compatible with T Series Small Straight handle styles.  
 †† For B Series and O Series Curved Handle styles only. Not compatible with T Series Straight Handle styles.  
 ††† For T Series Large Straight Handle styles only. Not compatible with B Series and O Series Curved Handle styles or T Series Small Straight Handle styles.  
 ^Available for wire sizes up to 0.045" for 200, 300 and 400 amp guns.  
 Not available for 500 or 600 amp guns.  
 ^^Available for wire sizes up to 3/32" for 300, 400, 500 and 600 amp guns.  
 Not available for 200 amp guns.  
 ^^Available for wire sizes up to 1/16" for 200 amp guns, up to 5/64" for 300-400 amp guns, up to 7/64" for 500 amp guns, and up to 1/8" for 600 amp guns.  
 \*Not available for TOUGH LOCK Standard Duty (SD) Contact Tips.  
 \*\*Available for wire sizes between 0.030" and 3/32". Not compatible with Bernard Power Pin or OXO Power Pin options. Not compatible with aluminum wire.  
 \*\*\*Available for wire sizes between 0.023" and 3/32". Available for cable lengths up to 15 ft (4.57 m). Not compatible with aluminum wire.

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Subject to Change – The information presented in this spec sheet is accurate to the best of our knowledge at the time of printing. Please visit BernardWelds.com for the most up-to-date information.

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