

# Bernard™ BTB MIG Guns

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**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

## Engineered for Simplicity. Built for Durability.

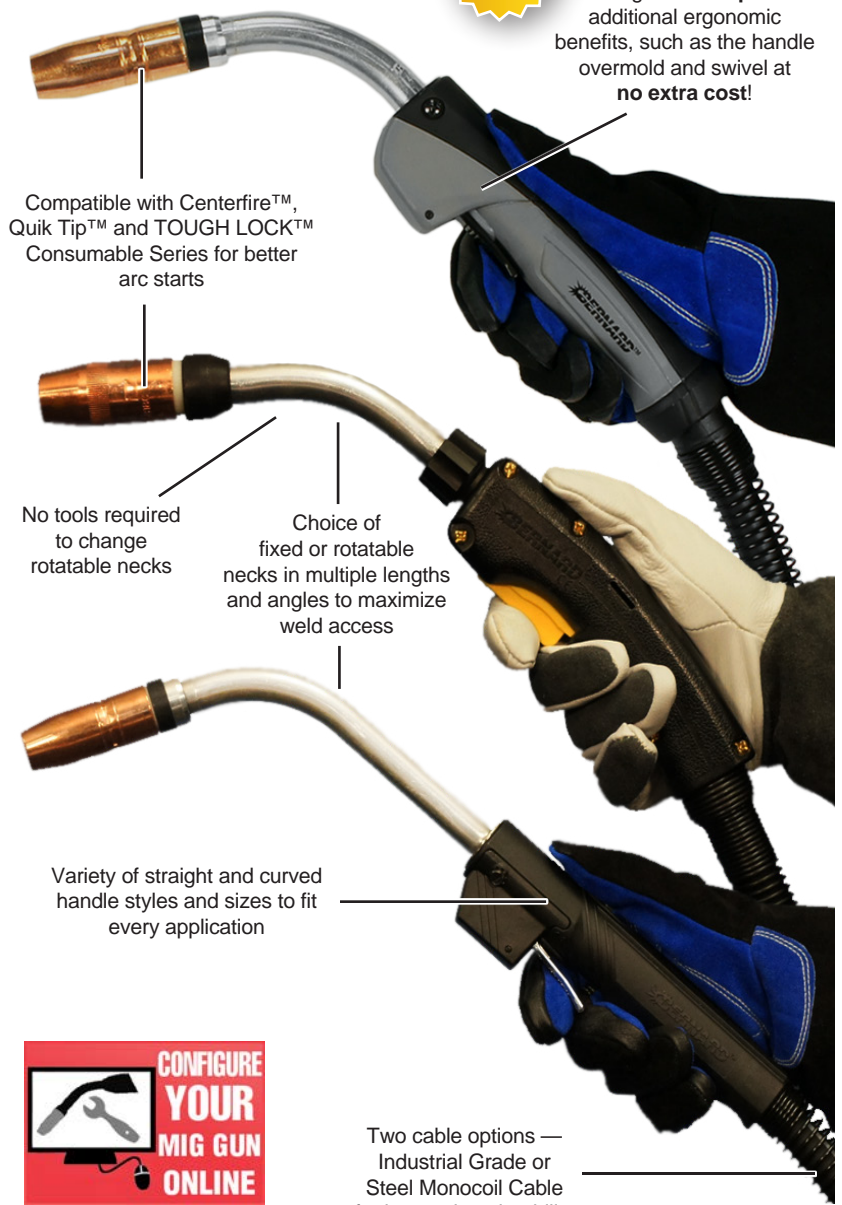
Bernard™ BTB MIG Guns combine the best features of our legacy Q-Gun™, S-Gun™ and T-Gun™ MIG Gun lines to bring you our most flexible and rugged MIG gun offering.

Industrial-grade BTB MIG Guns are engineered to accommodate each welder's neck, handle and trigger preferences for increased weld access, comfort and productivity. Plus, these gun variations can all be supported with a common line of high-performing consumables which simplifies ongoing maintenance and inventory costs. This unique combination of gun configurability and simplified support provides a total cost of ownership that's difficult to match.

- 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
- 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



The new **C Series Handle** provides all the benefits of the T Series Large Straight Handle **plus** additional ergonomic benefits, such as the handle overmold and swivel at **no extra cost!**



Compatible with Centerfire™, Quik Tip™ and TOUGH LOCK™ Consumable Series for better arc starts

No tools required to change rotatable necks

Choice of fixed or rotatable necks in multiple lengths and angles to maximize weld access

Variety of straight and curved handle styles and sizes to fit every application

Two cable options — Industrial Grade or Steel Monocoil Cable for heavy duty durability



**One year manufacturer's warranty on all configured MIG guns**



**Select the best handle style and size for welder comfort**



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



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# Cable Options

(available through configurator)

## Industrial Grade Cable

Details	Amperages	Cable Lengths	Handle Styles
The heavy duty Industrial Cable features cotton wrapped copper and durable trigger leads surrounding a hytrel inner tube. The industrial grade cable is compatible with all amperages, cable lengths and all handle styles and sizes.	200 Amp 300 Amp 400 Amp 500 Amp 600 Amp	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)	B Series Small Curved Handle Large Curved Handle O Series Small Curved Handle Large Curved Handle T Series Small Straight Handle Large Straight Handle NEW!! C Series Large Straight Handle








NOTE: Not all amperages are available in every handle style.

## Steel Monocoil Cable

Details	Amperages	Cable Lengths	Handle Styles
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.	300 Amp 400 Amp 500 Amp 600 Amp	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)	O Series Small Curved Handle (300A & 400A only) Large Curved Handle T Series Large Straight Handle (300A & 400A only) NEW!! C 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	C Series Large Straight handle
							
<b>Amperage</b>	200, 300	400	200, 300, 400	400, 500, 600	200, 300	300, 400, 500, 600	200, 300, 400, 500
<b>Style</b>	Curved	Curved	Curved	Curved	Straight	Straight	Straight
<b>Neck</b>	Fixed or Rotatable	Fixed or Rotatable	Fixed or Rotatable	Fixed or Rotatable	Fixed	Fixed or Rotatable	Fixed or Rotatable
<b>Trigger</b>	<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>	<ul style="list-style-type: none"> <li>Standard</li> <li>Locking</li> <li>Dual Pull</li> <li>Dual Schedule Switch</li> <li>Insight Ltd.</li> </ul>
<b>Cable</b>	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	Industrial Grade or Steel Monocoil for 300, 400 amp only

# Neck Options

(available through configurator)

## Fixed Necks

### T Series Small Straight Handles

<b>205-45</b>	45° Short	<b>315-45</b>	45° Medium	<b>405-45NB</b>	45° Long
<b>205-60</b>	60° Short	<b>315-60</b>	60° Medium	<b>405-60NB</b>	60° Long

### T Series Large Straight Handles

<b>305-45</b>	45° Short	<b>405-60</b>	60° Medium	<b>405-45LL</b>	45° Longest
<b>305-60</b>	60° Short	<b>505-45</b>	45° Long	<b>405-60LL</b>	60° Longest
<b>405-45</b>	45° Medium	<b>505-60</b>	60° Long		

### C Series Large Straight Handles

<b>305-45CT</b>	45° Short	<b>405-60CT</b>	60° Medium	<b>405-45LLCT</b>	45° Longest
<b>305-60CT</b>	60° Short	<b>505-45CT</b>	45° Long	<b>405-60LLCT</b>	60° Longest
<b>405-45CT</b>	45° Medium	<b>505-60CT</b>	60° Long		

### B Series and O Series Curved Handles

<b>QT2-30</b>	30° Short	<b>QT3-30</b>	30° Medium	<b>QT5-30</b>	30° Long
<b>QT2-45</b>	45° Short	<b>QT3-45</b>	45° Medium	<b>QT5-45</b>	45° Long
<b>QT2-60</b>	60° Short	<b>QT3-60</b>	60° Medium	<b>QT5-60</b>	60° Long
<b>QT2-80</b>	80° Short	<b>QT3-80</b>	80° Medium		

## Rotatable Necks

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

<b>QT2-30</b>	30° Short	<b>QT3-30</b>	30° Medium	<b>QT5-30</b>	30° Long
<b>QT2-45</b>	45° Short	<b>QT3-45</b>	45° Medium	<b>QT5-45</b>	45° Long
<b>QT2-60</b>	60° Short	<b>QT3-60</b>	60° Medium	<b>QT5-60</b>	60° Long
<b>QT2-80</b>	80° Short	<b>QT3-80</b>	80° Medium		

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 is 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, C Series Straight handles	Centerfire™	4523R		4423R		
	Quik Tip™	4423R				
	TOUGH LOCK™	402-11				
Rotatable Necks for O, B, T, C 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

<b>T-023</b>	0.023" (0.6 mm)	<b>T-062</b>	1/16" (1.6 mm)
<b>T-030</b>	0.030" (0.8 mm)	<b>T-078</b>	5/64" (2.0 mm)
<b>T-035</b>	0.035" (0.9 mm)	<b>T-094</b>	3/32" (2.4 mm)
<b>T-039</b>	0.039" (1.0 mm)	<b>T-109</b>	7/64" (2.8 mm)
<b>T-045</b>	0.045" (1.2 mm)	<b>T-125</b>	1/8" (3.2 mm)
<b>T-052</b>	0.052" (1.4 mm)		

### Aluminum Specific Contact Tips

<b>T-035AL</b>	0.035" (0.9 mm)
<b>T-047AL</b>	3/64" (1.2 mm)
<b>T-062AL</b>	1/16" (1.6 mm)

### Diffusers

<b>DS-1</b>	Small, Brass
<b>D-1</b>	Large, Brass

### Nozzles

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

See Centerfire™ Consumables Spec Sheet (SP-CFC) 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>T1052</b>	0.052" (1.4 mm)	<b>T1764</b>	7/64" (2.8 mm)
<b>T1030</b>	0.030" (0.8 mm)	<b>T1116</b>	1/16" (1.6 mm)	<b>T1118</b>	1/8" (3.2 mm)
<b>T1035</b>	0.035" (0.9 mm)	<b>T1068</b>	0.068" (1.7 mm)		
<b>T1039</b>	0.039" (1.0 mm)	<b>T1072</b>	0.072" (1.8 mm)		
<b>T1045</b>	0.045" (1.2 mm)	<b>T1564</b>	5/64" (2.0 mm)		
<b>T1364</b>	3/64" (1.2 mm)	<b>T1332</b>	3/32" (2.4 mm)		

### 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-QTC) 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 (front-loading)

### 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
	for 1/16" (1.6 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
	for 1/16" (1.6 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 (rear-loading)

### 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 (rear-loading)

### 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>	Adaptor 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.

**For use with Rotatable Neck option guns.**

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

<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 (SP-L) for more information.



## Specialty Nozzles

### TOUGH ACCESS™ Consumables (see SP-TLC for more information)

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.**



### 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

### Centerfire™ HD Series (see SP-CFC for more information)

Ideal for heavy-duty applications such as shipbuilding, fabrication and other heavy equipment manufacturing operations. Heavy-Duty Centerfire Nozzles feature a removeable nozzle cone, thicker wall and a high-temperature insulator.



### Quik Tip™ HD Series (see SP-QTC for more information)

Quik Tip HD Series features a two-piece nozzle comprised of a nozzle cone and nozzle body. The removeable nozzle cone lowers downtime and consumables cost by allowing replacement of the cone without removing and replacing the entire nozzle.



## Flex Necks

### For B Series and O Series Handles, and C Series Handles Configured with Rotatable Necks

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.



<b>QT-F-6</b>	6" length
<b>QT-F-8</b>	8" length
<b>1680085C</b>	Rotatable Adaptor (required for use with C Series handles only)

### 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

## 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 (SP-N) 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 and C 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** 60°  
**406-2** 45°

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

†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.  
 ^^^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.  
 ‡Not compatible with T Series Small Straight Handle Styles.  
 ‡‡Available only with Miller® power pin.

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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](http://BernardWelds.com) for the most up-to-date information.

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