

# Bernard® BTB MIG Guns

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



## Quick Specs

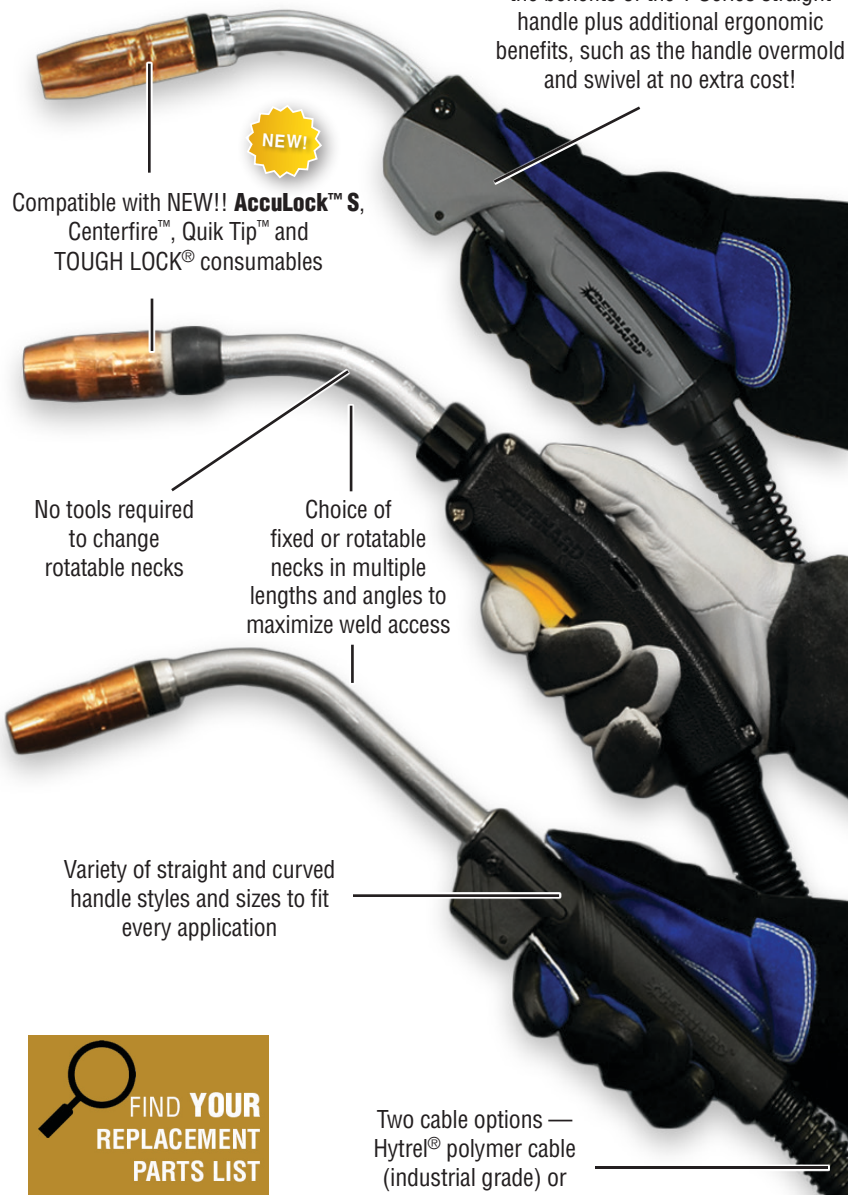
Applications	Processes	Rated Output	Wire Size	Duty Cycle
Heavy Equipment	MIG (GMAW)	200A 500A	0.023" - 1/8"	100% CO <sub>2</sub> Gas
Shipbuilding	Welding	300A 600A	(0.6 mm - 3.2 mm)	60% with Mixed Gases
Pipeline Fabrication		400A		

## Engineered for Simplicity. Built for Durability.

Industrial-grade BTB semi-automatic air-cooled 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 – including new **AccuLock™ S 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.

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

- Aluminum armored necks, available as either fixed or rotatable, withstand abuse and offer outstanding heat dissipation
- Compatible with your choice of new AccuLock™ S, Centerfire™, Quik Tip™ or TOUGH LOCK® consumables on any front handle style
- AccuLock™ S liners, Bernard conventional liners or QUICK LOAD® liners
- Available in 200, 300, 400, 500 and 600 amp models
- Choose your desired cable length: 10, 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 MIG guns**



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



**Use our reverse lookup tool to find replacement parts specific to your existing gun**



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# Cable Options

(configurable option online)

## Hytrel® Polymer Cable (formally referred to as industrial grade cable)

### Details

The heavy duty Hytrel polymer cable features cotton wrapped copper and durable trigger leads surrounding a hytrel inner tube. The Hytrel polymer cable is compatible with all amperages, cable lengths and all handle styles and sizes.

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

### Amperages

200 amp  
300 amp  
400 amp  
500 amp  
600 amp

### Cable Lengths

10 ft (3.05 m)  
15 ft (4.57 m)  
20 ft (6.10 m)  
25 ft (7.62 m)

### Handle Styles

B Series  
Curved handle  
Small curved handle  
O Series  
Curved handle  
Small curved handle  
T Series  
Straight handle  
Small straight handle  
C Series  
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








10 ft (3.05 m)  
15 ft (4.57 m)  
20 ft (6.10 m)  
25 ft (7.62 m)

### Handle Styles

O Series  
Curved handle  
Small curved handle (300A & 400A only)  
T Series  
Straight handle (300A & 400A only)  
C Series  
Straight handle (300A & 400A only)

# Handle & Trigger Options

(configurable option online)

Features	B Series small curved handle	B Series curved handle	O Series small curved handle	O Series curved handle	T Series small straight handle	T Series straight handle	C Series straight handle
							
Amperage	200, 300	400	200, 300, 400	400, 500, 600	200, 300	300, 400, 500, 600	200, 300, 400, 500
Style	Curved	Curved	Curved	Curved	Straight	Straight	Straight
Neck	Fixed or rotatable	Fixed or rotatable	Fixed or rotatable	Fixed or rotatable	Fixed	Fixed or rotatable	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> </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> </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> </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>
Cable	Hytrel polymer	Hytrel polymer	Hytrel polymer or steel monocoil for 300, 400 amp only	Hytrel polymer or steel monocoil	Hytrel polymer	Hytrel polymer or steel monocoil for 300, 400 amp only	Hytrel polymer or steel monocoil for 300, 400 amp only

# Neck Options

(configurable option online)

## 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 Straight Handles

<b>305-45</b>	45° short	<b>405-45</b>	45° medium	<b>505-45</b>	45° long
<b>305-60</b>	60° short	<b>405-60</b>	60° medium	<b>505-60</b>	60° long

### C Series Straight Handles

<b>305-45CT</b>	45° short	<b>405-45CT</b>	45° medium	<b>505-45CT</b>	45° long
<b>305-60CT</b>	60° short	<b>405-60CT</b>	60° medium	<b>505-60CT</b>	60° long

### B Series and O Series Curved Handles

<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

## Rotatable Necks

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

<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

NOTE: 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 and handle combination
- Consumables 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	
	AccuLock™ S	402-11			402-11	
Rotatable necks for O, B, T, C Series handles	Centerfire	4523R			4423R	
	Quik Tip				4423R	
	TOUGH LOCK				10012	
	AccuLock S	4623R			4623R	
Fixed necks for O, B Series handles	Centerfire	4523R			4423R	
	Quik Tip				4423R	
	TOUGH LOCK				10012	
	AccuLock S	4623R			402-11	



## AccuLock™ S Consumables

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



### Contact Tips

<b>T-A023CH</b> 0.023" (0.6 mm)	<b>T-A045CH</b> 0.045" (1.2 mm)	<b>T-A078CH</b> 5/64" (2.0 mm)
<b>T-A030CH</b> 0.030" (0.8 mm)	<b>T-A052CH</b> 0.052" (1.4 mm)	<b>T-A094CH</b> 3/32" (2.4 mm)
<b>T-A035CH</b> 0.035" (0.9 mm)	<b>T-A062CH</b> 1/16" (1.6 mm)	<b>T-A109CH</b> 7/64" (2.8 mm)
<b>T-A039CH</b> 0.039" (1.0 mm)	<b>T-A072CH</b> 0.072" (1.8 mm)	<b>T-A125CH</b> 1/8" (3.2 mm)

### Tapered Contact Tips

<b>TT-A023CH</b> 0.023" (0.6 mm)	<b>TT-A039CH</b> 0.039" (1.0 mm)	<b>TT-A052CH</b> 0.052" (1.4 mm)
<b>TT-A030CH</b> 0.030" (0.8 mm)	<b>TT-A045CH</b> 0.045" (1.2 mm)	<b>TT-A062CH</b> 1/16" (1.6 mm)
<b>TT-A035CH</b> 0.035" (0.9 mm)		

### Nozzles - Large

<b>N-A3400C</b> 3/4" bore, flush, copper	<b>N-A3414B</b> 3/4" bore, 1/4" recess, brass	<b>N-A5814C</b> 5/8" bore, 1/4" recess, copper
<b>N-A3418C</b> 3/4" bore, 1/8" recess, copper	<b>N-A5800C</b> 5/8" bore, flush, copper	<b>N-A5818B</b> 5/8" bore, 1/8" recess, brass
<b>N-A3414C</b> 3/4" bore, 1/4" recess, copper	<b>N-A5818C</b> 5/8" bore, 1/8" recess, copper	<b>N-A5814B</b> 5/8" bore, 1/4" recess, brass
<b>N-A3418B</b> 3/4" bore, 1/8" recess, brass		

### Nozzles - Small

<b>NS-A5800C</b> 5/8" bore, flush, copper	<b>NS-A1200B</b> 1/2" bore, flush, brass	<b>NST-A3800B</b> 3/8" bore, flush, brass
<b>NS-A5818C</b> 5/8" bore, 1/8" recess, copper	<b>NS-A1218B</b> 1/2" bore, 1/8" recess, brass	<b>NST-A3818B</b> 3/8" bore, 1/8" recess, brass
<b>NS-A5800B</b> 5/8" bore, flush, brass	<b>NS-A1218C</b> 1/2" bore, 1/8" recess, copper	<b>NST-A38XTB</b> 3/8" bore, 1/8" ext., brass
<b>NS-A5818B</b> 5/8" bore, 1/8" recess, brass		<b>NST-A1218B</b> 1/2" bore, 1/8" recess, brass

### Diffusers

<b>D-A1</b> Large, brass, thread-on	<b>DS-A1</b> Small, brass, thread-on
<b>D-A2</b> Large, brass, slip-on	<b>DS-A2</b> Small, brass, slip-on

## AccuLock™ S Liners (front-loading)

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

### 10' (3.05 m) Gun Lengths

<b>LA1A-10</b> for 0.023" - 0.030" wire	<b>LAD4A-10</b> for 0.045" - 1/16" wire	<b>LA7A-10</b> for 3/32" wire
<b>LA2A-10</b> for 0.030" - 0.035" wire	<b>LA6A-10</b> for 5/64" wire	<b>LA8A-10</b> for 7/64" - 1/8" wire
<b>LAD3A-10</b> for 0.035" - 0.045" wire		

### 15' (4.57 m) Gun Lengths

<b>LA1A-15</b> for 0.023" - 0.030" wire	<b>LAD4A-15</b> for 0.045" - 1/16" wire	<b>LA7A-15</b> for 3/32" wire
<b>LA2A-15</b> for 0.030" - 0.035" wire	<b>LA6A-15</b> for 5/64" wire	<b>LA8A-15</b> for 7/64" - 1/8" wire
<b>LAD3A-15</b> for 0.035" - 0.045" wire		

### 20' (6.10 m) Gun Lengths

<b>LA1A-20</b> for 0.023" - 0.030" wire	<b>LAD4A-20</b> for 0.045" - 1/16" wire	<b>LA7A-20</b> for 3/32" wire
<b>LA2A-20</b> for 0.030" - 0.035" wire	<b>LA6A-20</b> for 5/64" wire	<b>LA8A-20</b> for 7/64" - 1/8" wire
<b>LAD3A-20</b> for 0.035" - 0.045" wire		

### 25' (7.62 m) Gun Lengths

<b>LA1A-25</b> for 0.023" - 0.030" wire	<b>LAD4A-25</b> for 0.045" - 1/16" wire	<b>LA7A-25</b> for 3/32" wire
<b>LA2A-25</b> for 0.030" - 0.035" wire	<b>LA6A-25</b> for 5/64" wire	<b>LA8A-25</b> for 7/64" - 1/8" wire
<b>LAD3A-25</b> for 0.035" - 0.045" wire		

# Consumables (continued)

## AccuLock™ S Power Pins and Power Pin Caps

	Power Pin	Power Pin Cap	Cap Washer Color	Compatible Wire Size
<b>Miller®</b>	2200206	2200351	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200352	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200353	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200354	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200355	Blue	5/64" (2.0 mm)
	2200207	2200356	Grey	3/32" (2.4 mm)
		2200357	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
<b>Lincoln®</b>	2200210	2200309	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200310	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200311	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200312	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200313	Blue	5/64" (2.0 mm)
	2200211	2200314	Grey	3/32" (2.4 mm)
		2200315	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
<b>Tweco® #4</b>	2200150	2200281	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200282	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200283	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200284	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200285	Blue	5/64" (2.0 mm)
	2200151	2200286	Grey	3/32" (2.4 mm)
		2200287	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
<b>Tweco #5</b>	2200156	2200295	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200296	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200297	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200298	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200299	Blue	5/64" (2.0 mm)
	2200157	2200300	Grey	3/32" (2.4 mm)
		2200301	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
<b>Euro</b>	2200359 & 2200273	2200337	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200338	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200339	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200340	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200341	Blue	5/64" (2.0 mm)
		2200342	Grey	3/32" (2.4 mm)
		2200343	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)

IMPORTANT NOTE: To convert any Bernard BTB MIG Gun with a Miller, Lincoln, Tweco #4, Tweco #5, and Euro power pin, please follow the above chart to identify the power pin and cap needed for the AccuLock S consumables system. Need extra set screws? Order 2300023P for a package of (10) 1/4-20 x 3/16", long cup point set screws.

# Consumables (continued)

## Centerfire™ Consumables

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



### Contact Tips

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

<b>NS-1218B</b>	1/2" bore, 1/8" recess, brass	<b>N-5818C</b>	5/8" bore, 1/8" recess, copper	<b>N-3414C</b>	3/4" bore, 1/4" recess, copper
<b>NS-5818C</b>	5/8" bore, 1/8" recess, copper	<b>N-5814C</b>	5/8" bore, 1/4" recess, copper		

### Diffusers

<b>DS-1</b>	Small, brass	<b>D-1</b>	Large, brass
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## Quik Tip™ Consumables

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



### Contact Tips

<b>T1023</b>	0.023" (0.6 mm)	<b>T1364</b>	3/64" (1.2 mm)	<b>T1564</b>	5/64" (2.0 mm)
<b>T1030</b>	0.030" (0.8 mm)	<b>T1052</b>	0.052" (1.4 mm)	<b>T1332</b>	3/32" (2.4 mm)
<b>T1035</b>	0.035" (0.9 mm)	<b>T1116</b>	1/16" (1.6 mm)	<b>T1764</b>	7/64" (2.8 mm)
<b>T1039</b>	0.039" (1.0 mm)	<b>T1068</b>	0.068" (1.7 mm)	<b>T1118</b>	1/8" (3.2 mm)
<b>T1045</b>	0.045" (1.2 mm)	<b>T1072</b>	0.070" (1.8 mm)		

### Nozzles

<b>N1C58Q</b>	5/8" bore, plated copper	<b>N1C34HQ</b>	3/4" bore, plated copper, HD
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### Diffusers

<b>D118Q</b>	1/8" recess	<b>D114Q</b>	1/4" recess
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## TOUGH LOCK® Standard Duty Consumables

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



### Contact Tips

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

<b>404-18</b>	Brass
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## TOUGH LOCK® Heavy Duty Consumables



### Contact Tips

<b>403-20-30</b>	0.030" (0.8 mm)	<b>403-20-116</b>	1/16" (1.6 mm)*
<b>403-20-35</b>	0.035" (0.9 mm)*	<b>403-20-564</b>	5/64" (2.0 mm)
<b>403-20-1.0</b>	0.039" (1.0 mm)	<b>403-20-332</b>	3/32" (2.4 mm)
<b>403-20-45</b>	0.045" (1.2 mm)*	<b>403-20-364</b>	3/64" (1.2 mm) aluminum
<b>403-20-52</b>	0.052" (1.4 mm)		*Part number also applicable for aluminum wire in corresponding size

### 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

### Retaining Heads

<b>404-26</b>	Dual taper, brass
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# Consumables (continued)

## AccuLock S Liners (front-loading)

Please see page 4

## QUICK LOAD® Liners (front-loading)

See QUICK LOAD® Liner and AutoLength Pins Spec Sheet (SP-QLL) for more information

### 10' (3.05 m) Gun Lengths

**415-35-10Q** for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire **415-116-10Q** for 0.045" (1.2 mm) - 1/16" (1.6 mm) wire

### 15' (4.57 m) Gun Lengths

**415-23-15Q** for 0.023" (0.6 mm) wire

**415-116-15Q** for 0.052" (1.3 mm) - 1/16" (1.6 mm) wire

**415-30-15Q** for 0.030" (0.8 mm) wire

**415-564-15Q** for 5/64" (2.0 mm) wire

**415-35-15Q** for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire

**415-332-15Q** for 3/32" (2.4 mm) wire

### 25' (7.62 m) Gun Lengths

**415-23-25Q** for 0.023" (0.6 mm) wire

**415-116-25Q** for 0.052" (1.3 mm) - 1/16" (1.6 mm) wire

**415-30-25Q** for 0.030" (0.8 mm) wire

**415-564-25Q** for 5/64" (2.0 mm) wire

**415-35-25Q** for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire

**415-332-25Q** for 3/32" (2.4 mm) wire

### Liner Retainers (required for initial installation)

**415-26** for 0.035" - 5/64" wire

**415-24** for 3/32" wire

## Bernard Conventional Liners (rear-loading)

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

\*Standard liner for 0.035" & 0.045" guns

\*\*Standard liner for 1/16" guns

### 10' (3.05 m) Gun Lengths

**L3A-10** for 0.035" - 0.045" wire

**L4A-10** for 0.045" - 1/16" wire

### 15' (4.57 m) Gun Lengths

**L1A-15** for 0.023" - 0.030" wire

**L4A-15** for 0.045" - 1/16" wire\*\*

**L7A-15** for 3/32" wire

**L2A-15** for 0.030" - 0.035" wire

**L6A-15** for 5/64" wire

**L8A-15** for 7/64" - 1/8" wire

**L3A-15** for 0.035" - 0.045" wire\*

### 25' (7.62 m) Gun Lengths

**L1A-25** for 0.023" - 0.030" wire

**L4A-25** for 0.045" - 1/16" wire\*\*

**L7A-25** for 3/32" wire

**L2A-25** for 0.030" - 0.035" wire

**L6A-25** for 5/64" wire

**L8A-25** for 7/64" - 1/8" wire

**L3A-25** for 0.035" - 0.045" wire\*

## Conventional Liners for Aluminum Wire (rear-loading)

### 10' (3.05 m) Gun Lengths

**415-45-02** polymer liner for 0.035" - 3/64" wire

**415-116-22** polymer liner for 3/64" - 1/16" wire

### 15' (4.57 m) Gun Lengths

**415-45-03** polymer liner for 0.035" - 3/64" wire

**415-116-2** steel wrapped nylon liner for 0.045" - 1/16" wire

**415-35-2** steel wrapped nylon liner for 0.035" - 0.045" wire

**415-116-23** polymer liner for 3/64" - 1/16" wire

### 25' (7.62 m) Gun Lengths

**415-45-04** steel wrapped nylon liner for 0.035" - 0.045" wire

### Jump Liners

**415-25** Bronze jump liner for polymer liner

# Power Pins

(configurable option online)

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

## Miller®

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<b>1880259M</b>	Power pin kit	<b>AutoLength Pin</b>	<b>Acculock S Pins and Caps</b>
<b>2200137</b>	Power pin (Includes O-rings)	<b>214-81</b> for 0.030"-0.045"	<i>Please see page 5</i>
<b>214-81</b>	for 0.030"-0.045"	<b>214-91</b> for 0.052"-3/32"	
<b>214-91</b>	for 0.052"-3/32"	<b>214-9</b> for 7/64" - 1/8"	
<b>214-9</b>	for 7/64" - 1/8"		

## Lincoln®

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<b>1880259L</b>	Power pin kit	<b>AutoLength Pin</b>	<b>Acculock S Pins and Caps</b>
<b>214-2-1</b>	Power pin	<b>214-87</b> for 0.030"-0.045"	<i>Please see page 5</i>
		<b>214-97</b> for 0.052"-3/32"	

## Euro

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<b>1880259E</b>	Power Pin Kit	<b>AutoLength Pin</b>	
<b>5060T</b>	Euro Block Assembly	<b>425-820E</b> for 0.030"-0.045"	
<b>4816</b>	Adaptor Nut	<b>428-920E</b> for 0.052"-3/32"	

## Tweco® #4

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<b>1880259T4</b>	Power pin kit	<b>AutoLength Pin</b>	<b>Acculock S Pins and Caps</b>
<b>214</b>	Power pin (Includes O-rings)	<b>214-80</b> for 0.030"-0.045"	<i>Please see page 5</i>
		<b>214-90</b> for 0.052"-3/32"	

## Tweco® #5

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<b>1880259T5</b>	Power pin kit	<b>AutoLength Pin</b>	<b>Acculock S Pins and Caps</b>
<b>214-12</b>	Power pin (Includes O-rings)	<b>214-812</b> for 0.030"-0.045"	<i>Please see page 5</i>
		<b>214-912</b> for 0.052"-3/32"	



# 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.

\*\* NOTE: Not compatible with AccuLock™ S Consumables



## Specialty Nozzles

### 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 removable 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 removable 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 new Bernard AccuLock™ S, Centerfire™ and Quik Tip™ Consumables.

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

# 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 all B Series handles

### Heat Shield

Our durable heat shield reduces heat exposure from the weld, protecting the user's hand and improving operator comfort and weld quality.

**421** Compatible with fixed or rotatable necks



### Handle Replacement Kits

#### B Series and B Series Small

**1880155** 200, 300 amp (standard, locking, dual pull)  
**1880198** 400 amp (standard, locking, dual pull)  
**DSA-1** 400 amp dual schedule (standard, locking)

#### O Series Small

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

#### O Series

**1880220** 400, 500, 600 amp (standard, locking, dual pull)  
**1880221** 400, 500, 600 amp dual schedule (standard, locking)

#### T Series Small

**320** 300 amp (standard)



# Ordering Information

Amperage	Length	Handle & Trigger Option	Neck Option	Consumables	Wire Sizes	Power Pin	Liner Type
<b>Q40</b>	<b>15</b>	<b>A</b>	<b>E</b>	<b>4</b>	<b>D</b>	<b>M</b>	<b>A</b>
<b>Hytrel Polymer Cable</b>	10 ft. (3.05 m)	<b>B Series Small Curved Handle</b> <b>Q20, Q30</b>	<b>Rotatable</b> <sup>†</sup> B Short 45° C Short 60° E Medium 45° F Medium 60° H Long 45° I Long 60°	4 AccuLock™ S <sup>††</sup> 3 TOUGH LOCK® <sup>^^</sup> 5 Quik Tip™ <sup>^</sup> 8 Centerfire™ <sup>^</sup>	A 0.023"(.6 mm) B 0.030"(.8 mm) C 0.035"(.9 mm) D 0.039"(1.0 mm) E 0.045"(1.2 mm) H 0.052"(1.4 mm) I 1/16"(1.6 mm) K 5/64"(2.0 mm) L 3/32"(2.4 mm) M 7/64"(2.8 mm) N 1/8"(3.2 mm) <b>Aluminum</b> Q 0.035"(.9 mm) R 3/64"(1.19 mm) S 1/16"(1.6 mm)*	E Euro L Lincoln® M Miller® R Tweco® #4 (Miller lead) S Tweco #4 (Lincoln lead) T Tweco #4 (std. lead) U Tweco #4 (NAS plug) W Tweco #5 (std. lead) X Tweco #5 (Miller lead)	A AccuLock S liner <sup>†††</sup> C Conventional liner L QUICK LOAD® liner AutoLength™ system** Q QUICK LOAD® liner*
<b>Q20</b> 200 amp Max. wire size 1/16"	15 ft. (4.57 m)	A Standard trigger B Locking trigger C Dual pull trigger					
<b>Q30</b> 300 amp Max. wire size 5/64"	20 ft. (6.16 m)						
<b>Q40</b> 400 amp Max. wire size 5/64"	25 ft. (7.63 m)	<b>B Series Curved Handle</b> <b>Q40</b> A Standard trigger B Locking trigger C Dull pull trigger D Dual schedule switch	<b>Fixed</b> O Short 45° P Short 60° R Medium 45° S Medium 60° U Long 45° V Long 60°				
<b>Q50</b> 500 amp Max. wire size 3/32"		<b>O Series Curved Handle</b> <b>Q40, Q50, Q60, S40, S50, S60</b> G Standard trigger H Locking trigger I Dual pull trigger K Dual schedule switch					
<b>Q60</b> 600 amp Max. wire size 1/8"		<b>T Series Straight Handle</b> <b>Q30, Q40, Q50, Q60, S30, S40</b> M Standard trigger N Locking trigger P Dual pull trigger Q Dual schedule switch					
<b>Steel Monocoil Cable</b>							
<b>S30</b> 300 amp Max. wire size 5/64"		<b>T Series Small Straight Handle</b> <b>Q20, Q30</b> S Standard trigger					
<b>S40</b> 400 amp Max. wire size 5/64"		<b>O Series Small Curved Handle</b> <b>Q20, Q30, Q40, S30, S40</b> T Standard trigger U Locking trigger					
<b>S50</b> 500 amp Max. wire size 3/32"		<b>C Series Straight Handle</b> <b>Q30, Q40, Q50, S30, S40</b> V Standard trigger X Dual pull trigger Y Dual schedule switch J Insight Limited <sup>‡</sup>					
<b>S60</b> 600 amp Max. wire size 1/8"							

†Not compatible with T Series Small Straight Handle styles.  
 ††Only available with Miller®, Lincoln®, Tweco® #4 and Tweco #5 power pin options; Must be used with AccuLock S Liner.  
 †††Compatible only with AccuLock contact tip option.  
 ^Available for wire sizes up to 1/16" for 200 amp guns; Available for wire sizes up to 5/64" for 300 and 400 amp guns; Available for wire sizes up to 7/64" for 500 amp guns; Available for wire sizes up to 1/8" for 600 amp guns.  
 ^^Available for wire sizes up to 5/64" for 300 and 400 amp guns; Available for wire sizes up to 3/32" for 500 and 600 amp guns; Not available for 200 amp guns.  
 \* 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.  
 \*\* Available for wire sizes between 0.030" and 3/32"; Not compatible with aluminum wire.  
 ‡Available only with Miller® power pin.

Configure your MIG gun or reverse lookup your existing gun part number to find your replacement parts list!



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

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