

Bernard® BTB MIG Guns

Issued October 2020 • Index No. BTB/2.0

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



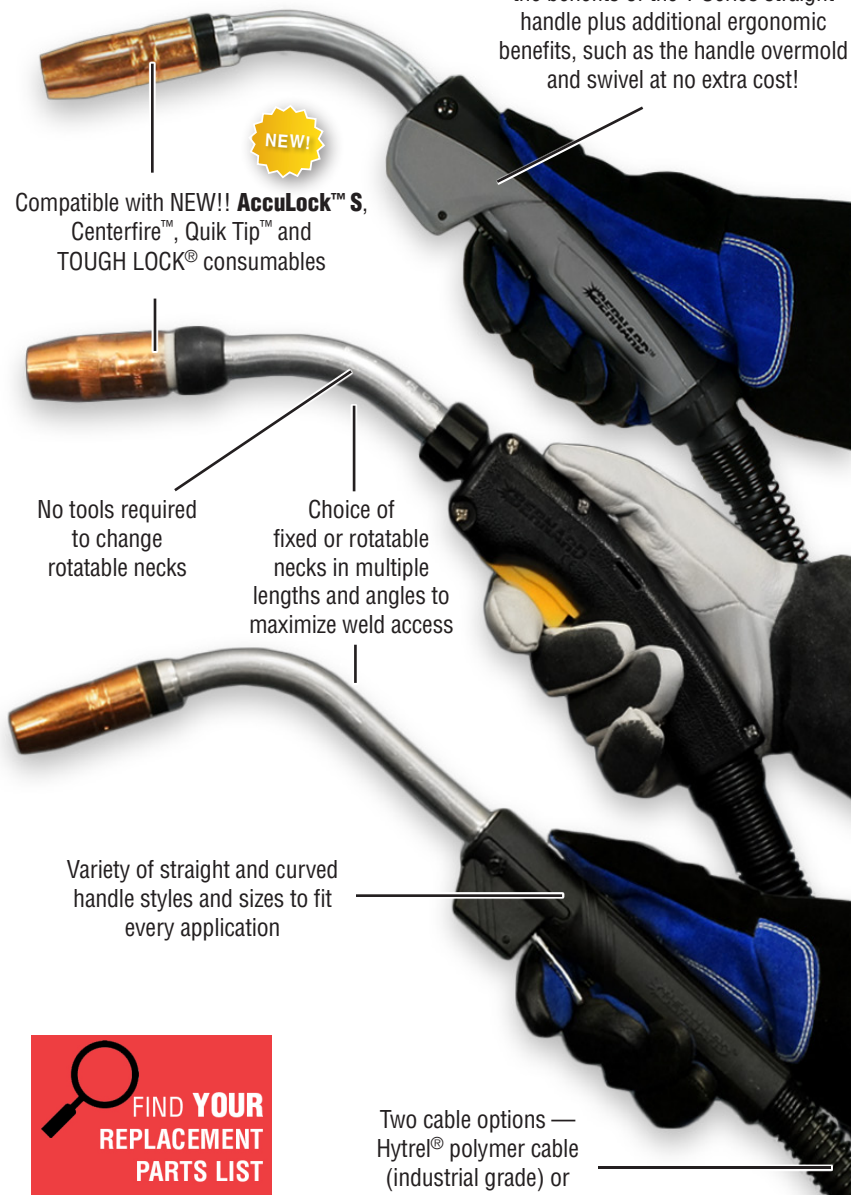
| Quick Specs | Applications | Processes | Rated Output | | Duty Cycle |
|-------------|--|-----------------------|----------------------|--------------|--|
| | Heavy Equipment Shipbuilding Pipeline Fabrication | MIG (GMAW) Welding | 200A 300A 400A | 500A 600A | 100% CO ₂ Gas 60% with Mixed Gases |

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

Two cable options — Hytrel® polymer cable (industrial grade) or steel monocoil cable for heavy duty durability



Bernard
A Division of Miller Electric Mfg. LLC.
449 West Corning Road
Beecher, Illinois 60401 USA

Phone: 1-855-MIGWELD (644-9353) (US & Canada Only)
+1-519-737-3000 (International)
Fax: 708-946-6726
For more information, visit us at BernardWelds.com

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"> Standard Locking Dual pull | <ul style="list-style-type: none"> Standard Locking Dual pull Dual schedule switch | <ul style="list-style-type: none"> Standard Locking | <ul style="list-style-type: none"> Standard Locking Dual pull Dual schedule switch | <ul style="list-style-type: none"> Standard | <ul style="list-style-type: none"> Standard Locking Dual pull Dual schedule switch | <ul style="list-style-type: none"> Standard Locking Dual pull Dual schedule switch Insight™ Ltd. |
| 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

| | | | | | |
|---------------|-----------|---------------|------------|-----------------|----------|
| 205-45 | 45° short | 315-45 | 45° medium | 405-45NB | 45° long |
| 205-60 | 60° short | 315-60 | 60° medium | 405-60NB | 60° long |

T Series Straight Handles

| | | | | | |
|---------------|-----------|---------------|------------|---------------|----------|
| 305-45 | 45° short | 405-45 | 45° medium | 505-45 | 45° long |
| 305-60 | 60° short | 405-60 | 60° medium | 505-60 | 60° long |

C Series Straight Handles

| | | | | | |
|-----------------|-----------|-----------------|------------|-----------------|----------|
| 305-45CT | 45° short | 405-45CT | 45° medium | 505-45CT | 45° long |
| 305-60CT | 60° short | 405-60CT | 60° medium | 505-60CT | 60° long |

B Series and O Series Curved Handles

| | | | | | |
|---------------|-----------|---------------|------------|---------------|----------|
| QT2-45 | 45° short | QT3-45 | 45° medium | QT5-45 | 45° long |
| QT2-60 | 60° short | QT3-60 | 60° medium | QT5-60 | 60° long |

Rotatable Necks

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

| | | | | | |
|---------------|-----------|---------------|------------|---------------|----------|
| QT2-45 | 45° short | QT3-45 | 45° medium | QT5-45 | 45° long |
| QT2-60 | 60° short | QT3-60 | 60° medium | QT5-60 | 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

| | | |
|---------------------------------|---------------------------------|--------------------------------|
| T-A023CH 0.023" (0.6 mm) | T-A045CH 0.045" (1.2 mm) | T-A078CH 5/64" (2.0 mm) |
| T-A030CH 0.030" (0.8 mm) | T-A052CH 0.052" (1.4 mm) | T-A094CH 3/32" (2.4 mm) |
| T-A035CH 0.035" (0.9 mm) | T-A062CH 1/16" (1.6 mm) | T-A109CH 7/64" (2.8 mm) |
| T-A039CH 0.039" (1.0 mm) | T-A072CH 0.070" (1.8 mm) | T-A125CH 1/8" (3.2 mm) |

Tapered Contact Tips

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

Nozzles - Large

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

Nozzles - Small

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

Diffusers

| | |
|-------------------------------------|--------------------------------------|
| D-A1 Large, brass, thread-on | DS-A1 Small, brass, thread-on |
| D-A2 Large, brass, slip-on | DS-A2 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

| | | |
|---|--|---------------------------------------|
| LA1A-10 for 0.023" - 0.030" wire | LAD3A-10 for 0.035" - 0.045" wire | LA6A-10 for 5/64" - 3/32" wire |
| LA2A-10 for 0.030" - 0.035" wire | LAD4A-10 for 0.045" - 1/16" wire | |

15' (4.57 m) Gun Lengths

| | | |
|---|--|---------------------------------------|
| LA1A-15 for 0.023" - 0.030" wire | LAD3A-15 for 0.035" - 0.045" wire | LA6A-15 for 5/64" - 3/32" wire |
| LA2A-15 for 0.030" - 0.035" wire | LAD4A-15 for 0.045" - 1/16" wire | |

20' (6.10 m) Gun Lengths

| | | |
|---|--|---------------------------------------|
| LA1A-20 for 0.023" - 0.030" wire | LAD3A-20 for 0.035" - 0.045" wire | LA6A-20 for 5/64" - 3/32" wire |
| LA2A-20 for 0.030" - 0.035" wire | LAD4A-20 for 0.045" - 1/16" wire | |

25' (7.62 m) Gun Lengths

| | | |
|---|--|---------------------------------------|
| LA1A-25 for 0.023" - 0.030" wire | LAD3A-25 for 0.035" - 0.045" wire | LA6A-25 for 5/64" - 3/32" wire |
| LA2A-25 for 0.030" - 0.035" wire | LAD4A-25 for 0.045" - 1/16" wire | |

Consumables (continued)

AccuLock™ S Power Pins and Power Pin Caps

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

Miller®

AccuLock S Power Pins

2200206 Power pin (Includes O-rings)

AccuLock S Power Pin Caps

2200170 for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire

2200171 for 0.030" (0.8 mm) - 0.045" (1.2 mm)

2200203 for 0.045" (1.2 mm) - 3/32" (2.4 mm) wire

Lincoln®

AccuLock S Power Pins

2200210 Power pin (Includes O-rings)

AccuLock S Power Pin Caps

2200192 for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire

2200193 for 0.030" (0.8 mm) - 0.045" (1.2 mm)

2200212 for 0.045" (1.2 mm) - 3/32" (2.4 mm) wire

Tweco® #4

AccuLock S Power Pins

2200150 Power pin (Includes O-rings)

AccuLock S Power Pin Caps

2200183 for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire

2200184 for 0.030" (0.8 mm) - 0.045" (1.2 mm)

2200209 for 0.045" (1.2 mm) - 3/32" (2.4 mm) wire

Tweco® #5

AccuLock S Power Pins

2200157 Power pin (Includes O-rings)

AccuLock S Power Pin Caps

2200186 for 0.023" (0.6 mm) - 0.030" (0.8 mm) wire

2200187 for 0.030" (0.8 mm) - 0.045" (1.2 mm)

2200208 for 0.045" (1.2 mm) - 3/32" (2.4 mm) wire

Centerfire™ Consumables

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



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)

Aluminum-Specific Contact Tips

T-035AL 0.035" (0.9 mm)

T-047AL 3/64" (1.2 mm)

T-062AL 1/16" (1.6 mm)

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

Diffusers

DS-1 Small, brass

D-1 Large, brass

Consumables (continued)

Quik Tip™ Consumables

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



Contact Tips

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

Nozzles

| | | | |
|---------------|--------------------------|----------------|------------------------------|
| N1C58Q | 5/8" bore, plated copper | N1C34HQ | 3/4" bore, plated copper, HD |
|---------------|--------------------------|----------------|------------------------------|

Diffusers

| | | | |
|--------------|-------------|--------------|-------------|
| D118Q | 1/8" recess | D114Q | 1/4" recess |
|--------------|-------------|--------------|-------------|

TOUGH LOCK® Standard Duty Consumables

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



Contact Tips

| | | | |
|------------------|------------------|-------------------|--|
| 403-14-23 | 0.023" (0.6 mm) | 403-14-1.0 | 0.039" (1.0 mm) |
| 403-14-30 | 0.030" (0.8 mm) | 403-14-45 | 0.045" (1.2 mm)* |
| 403-14-35 | 0.035" (0.9 mm)* | | *Part number also applicable for aluminum wire in corresponding size |

Nozzles

| | |
|-----------------|--------------------------------|
| 401-6-62 | 5/8" bore, 1/8" recess, copper |
|-----------------|--------------------------------|

Retaining Heads

| | |
|---------------|-------|
| 404-18 | Brass |
|---------------|-------|

TOUGH LOCK® Heavy Duty Consumables



Contact Tips

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

Nozzles

| | |
|-----------------|--------------------------------|
| 401-6-62 | 5/8" bore, 1/8" recess, copper |
| 401-5-62 | 5/8" bore, 1/4" recess, copper |
| 401-5-75 | 3/4" bore, 1/4" recess, copper |

Retaining Heads

| | |
|---------------|-------------------|
| 404-26 | Dual taper, brass |
|---------------|-------------------|

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 0.078" - 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®

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

Lincoln®

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

Euro

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

Tweco® #4

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

Tweco® #5

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

| | | |
|--------------------|--|-----|
| QJL-2330 | 0.023" - 0.030" (0.6 mm - 0.8 mm) | 14" |
| QJL-2330-XL | 0.023" - 0.030" (0.6 mm - 0.8 mm) | 27" |
| QJL-3545 | 0.035" - 0.045" (0.9 mm - 1.2 mm) | 14" |
| QJL-3545-XL | 0.035" - 0.045" (0.9 mm - 1.2 mm) | 27" |
| QJL-116 | 1/16" (1.6 mm) | 14" |
| QJL-116-XL | 1/16" (1.6 mm) | 27" |
| QJLH-116 | 1/16" heavy duty (1.6 mm) | 14" |
| QJLN-364* | 0.035" - 3/64" nylon (0.9 mm - 1.2 mm) | 14" |
| QJLN-116* | 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.

| | |
|-----------------|--|
| QT-F-6 | 6" length |
| QT-F-8 | 8" length |
| 1680085C | Rotatable adaptor <i>(required for use with C Series handles only)</i> |
| 1680085 | 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 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 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 |
|--|-----------------|--|---|---|---|--|---|
| Q40 | 15 | A | E | 4 | D | M | A |
| Hytrel Polymer Cable | 10 ft. (3.05 m) | B Series Small Curved Handle Q20, Q30 | Rotatable [†] B Short 45° C Short 60° E Medium 45° F Medium 60° H Long 45° I Long 60° | 4 AccuLock™ S ^{††} 3 TOUGH LOCK ^{®^^} Heavy Duty 5 Quik Tip™ [^] 8 Centerfire™ [^] | 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) Aluminum 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 ^{†††} C Conventional liner L QUICK LOAD [®] liner AutoLength™ system** Q QUICK LOAD [®] liner* |
| Q20 200 amp Max. wire size 1/16" | 15 ft. (4.57 m) | A Standard trigger B Locking trigger C Dual pull trigger | | | | | |
| Q30 300 amp Max. wire size 5/64" | 20 ft. (6.16 m) | | | | | | |
| Q40 400 amp Max. wire size 5/64" | 25 ft. (7.63 m) | B Series Curved Handle Q40 A Standard trigger B Locking trigger C Dull pull trigger D Dual schedule switch | Fixed O Short 45° P Short 60° R Medium 45° S Medium 60° U Long 45° V Long 60° | | | | |
| Q50 500 amp Max. wire size 3/32" | | O Series Curved Handle Q40, Q50, Q60, S40, S50, S60 G Standard trigger H Locking trigger I Dual pull trigger K Dual schedule switch | | | | | |
| Q60 600 amp Max. wire size 1/8" | | T Series Straight Handle Q30, Q40, Q50, Q60, S30, S40 M Standard trigger N Locking trigger P Dual pull trigger Q Dual schedule switch | | | | | |
| Steel Monocoil Cable | | | | | | | |
| S30 300 amp Max. wire size 5/64" | | T Series Small Straight Handle Q20, Q30 S Standard trigger | | | | | |
| S40 400 amp Max. wire size 5/64" | | O Series Small Curved Handle Q20, Q30, Q40, S30, S40 T Standard trigger U Locking trigger | | | | | |
| S50 500 amp Max. wire size 3/32" | | C Series Straight Handle Q30, Q40, Q50, S30, S40 V Standard trigger X Dual Pull trigger Y Dual schedule switch J Insight Limited [‡] | | | | | |
| S60 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!



Brand and product names shown above are trademarks of their respective owners.

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.

Distributed By:

