

Bernard® BTB MIG Guns

Issued December 2023 • Index No. BTB/2.10

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



Quick Specs

Applications

- Heavy Equipment
- Shipbuilding
- Pipeline
- Fabrication
- Commercial Truck & Trailer
- Rail

Processes

MIG (GMAW)
Welding

Rated Output

200A 500A
300A 600A
400A

Wire Size

0.030" - 1/8"
(0.8 mm - 3.2 mm)

Duty Cycle

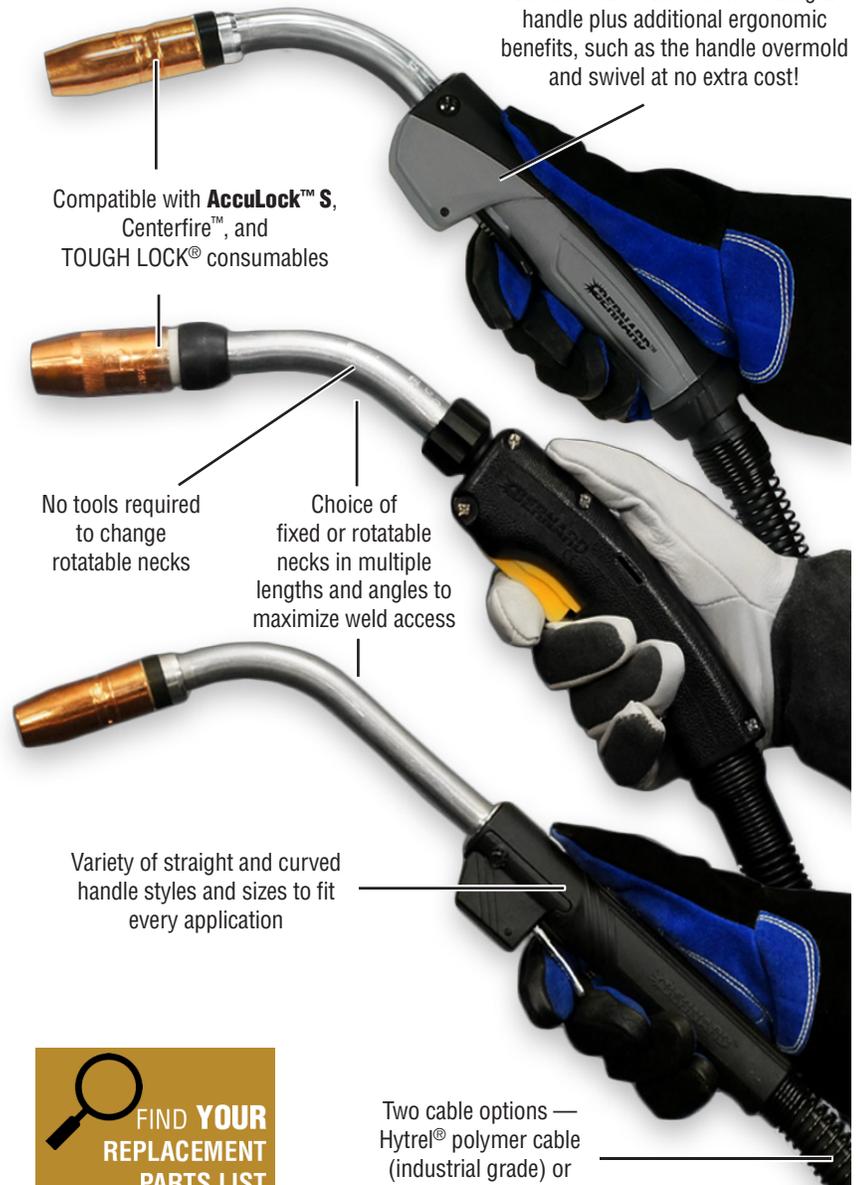
60% with Mixed Gases

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 – **Featuring 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.

- Aluminum armored necks, available as either fixed or rotatable, withstand abuse and offer outstanding heat dissipation
- Compatible with your choice of AccuLock™ S, Centerfire™, 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 0.030" (0.8 mm) to 1/8" (3.2 mm)
- Straight rear strain relief with Lifetime Warranty now standard

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!



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



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 Tregaskiss.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	
	TOUGH LOCK®	402-11				
	AccuLock™ S	402-11			402-11	
Rotatable necks for O, B, T, C Series handles	Centerfire	4523R			4423R	
	TOUGH LOCK	10012				
	AccuLock S	4623R			4623R	
Fixed necks for O, B Series handles	Centerfire	4523R			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 0.072" (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-A1200B 1/2" bore, flush, brass	NST-A3800B 3/8" bore, flush, brass
NS-A5818C 5/8" bore, 1/8" recess, copper	NS-A1218B 1/2" bore, 1/8" recess, brass	NST-A3818B 3/8" bore, 1/8" recess, brass
NS-A5800B 5/8" bore, flush, brass	NS-A1218C 1/2" bore, 1/8" recess, copper	NST-A38XTB 3/8" bore, 1/8" ext., brass
NS-A5818B 5/8" bore, 1/8" recess, brass		NST-A1218B 1/2" bore, 1/8" recess, brass

Diffusers - For use with AccuLock S Liners (front-loading)

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

Diffusers - For use with Bernard Conventional Liners on Miller® Packages (rear-loading)

D-A1-C Large, brass, thread-on	DS-A1-C Small, brass, thread-on
D-A2-C Large, brass, slip-on	DS-A2-C 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	LAD4A-10 for 0.045" - 1/16" wire	LA7A-10 for 3/32" wire
LA2A-10 for 0.030" - 0.035" wire	LA6A-10 for 5/64" wire	LA8A-10 for 7/64" - 1/8" wire
LAD3A-10 for 0.035" - 0.045" wire		

15' (4.57 m) Gun Lengths

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

20' (6.10 m) Gun Lengths

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

25' (7.62 m) Gun Lengths

LA1A-25 for 0.023" - 0.030" wire	LAD4A-25 for 0.045" - 1/16" wire	LA7A-25 for 3/32" wire
LA2A-25 for 0.030" - 0.035" wire	LA6A-25 for 5/64" wire	LA8A-25 for 7/64" - 1/8" wire
LAD3A-25 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
Miller®	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)
Lincoln®	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)
Tweco® #4	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)
Tweco #5	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)
Euro	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

T-023	0.023" (0.6 mm)	T-045	0.045" (1.2 mm)	T-094	3/32" (2.4 mm)
T-030	0.030" (0.8 mm)	T-052	0.052" (1.4 mm)		
T-035	0.035" (0.9 mm)	T-062	1/16" (1.6 mm)		
T-039	0.039" (1.0 mm)	T-078	5/64" (2.0 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	N-5818C	5/8" bore, 1/8" recess, copper	N-3414C	3/4" bore, 1/4" recess, copper
NS-5818C	5/8" bore, 1/8" recess, copper	N-5814C	5/8" bore, 1/4" recess, copper		

Diffusers

DS-1	Small, brass	D-1	Large, brass
-------------	--------------	------------	--------------

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)
403-14-30	0.030" (0.8 mm)
403-14-35	0.035" (0.9 mm)*

Nozzles

401-4-62	5/8" bore, 1/8" recess, copper
403-14-45	0.045" (1.2 mm)*

*Part number also applicable for aluminum wire in corresponding size

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 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.

QJL-3545	0.035" - 0.045" (0.9 mm - 1.2 mm)	14"
QJL-116	1/16" (1.6 mm)	14"

NOTE: Not compatible with AccuLock™ S front loading dual-locked liners

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



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 removeable nozzle cone, thicker wall and a high-temperature insulator.



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 TOUGH LOCK® Consumables.

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

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
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°	4 AccuLock™ S ^{††}	B 0.030"(.8 mm)	E Euro	A AccuLock S liner ^{†††}
Q20 200 amp Max. wire size 1/16"	15 ft. (4.57 m)	A Standard trigger	C Short 60°	3 TOUGH LOCK ^{®^^}	C 0.035"(.9 mm)	L Lincoln [®]	C Conventional liner
Q30 300 amp Max. wire size 5/64"	20 ft. (6.16 m)	B Locking trigger	E Medium 45°	8 Centerfire™ [^]	D 0.039"(.10 mm)	M Miller [®]	Q QUICK LOAD [®] liner
Q40 400 amp Max. wire size 5/64"	25 ft. (7.63 m)	C Dual pull trigger	F Medium 60°	g AccuLock S ^{††††}	E 0.045"(.12 mm)	R Tweco [®] #4 (Miller lead)	
Q50 500 amp Max. wire size 3/32"		B Series Curved Handle Q40	H Long 45°		H 0.052"(.14 mm)	S Tweco #4 (Lincoln lead)	
Q60 600 amp Max. wire size 1/8"		A Standard trigger	I Long 60°		I 1/16"(.16 mm)	T Tweco #4 (std. lead)	
Steel Monocoil Cable		B Locking trigger	Fixed		K 5/64"(.20 mm)	U Tweco #4 (NAS plug)	
S30 300 amp Max. wire size 5/64"		C Dull pull trigger	O Short 45°		L 3/32"(.24 mm)	W Tweco #5 (std. lead)	
S40 400 amp Max. wire size 5/64"		D Dual schedule switch	P Short 60°		M 7/64"(.28 mm)	X Tweco #5 (Miller lead)	
S50 500 amp Max. wire size 3/32"		O Series Curved Handle Q40, Q50, Q60, S40, S50, S60	R Medium 45°		N 1/8"(.32 mm)		
S60 600 amp Max. wire size 1/8"		G Standard trigger	S Medium 60°		Aluminum		
		H Locking trigger	U Long 45°		Q 0.035"(.9 mm)		
		I Dual pull trigger	V Long 60°		R 3/64"(.19 mm)		
		K Dual schedule switch			S 1/16"(.16 mm)*		
		T Series Straight Handle Q30, Q40, Q50, Q60, S30, S40					
		M Standard trigger					
		N Locking trigger					
		P Dual pull trigger					
		Q Dual schedule switch					
		T Series Small Straight Handle Q20, Q30					
		S Standard trigger					
		O Series Small Curved Handle Q20, Q30, Q40, S30, S40					
		T Standard trigger					
		U Locking trigger					
		C Series Straight Handle Q30, Q40, Q50, S30, S40					
		V Standard trigger					
		X Dual pull trigger					
		Y Dual schedule switch					
		J Insight Limited [‡]					

† 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.

†††† Compatible with Bernard Conventional Liners on Miller Packages.

^ 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 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 Tregaskiss.com for the most up-to-date information.

Distributed By:

