Bernard™ BTB MIG Guns

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Semi Automatic Air-Cooled MIG Welding Guns

Quick Specs

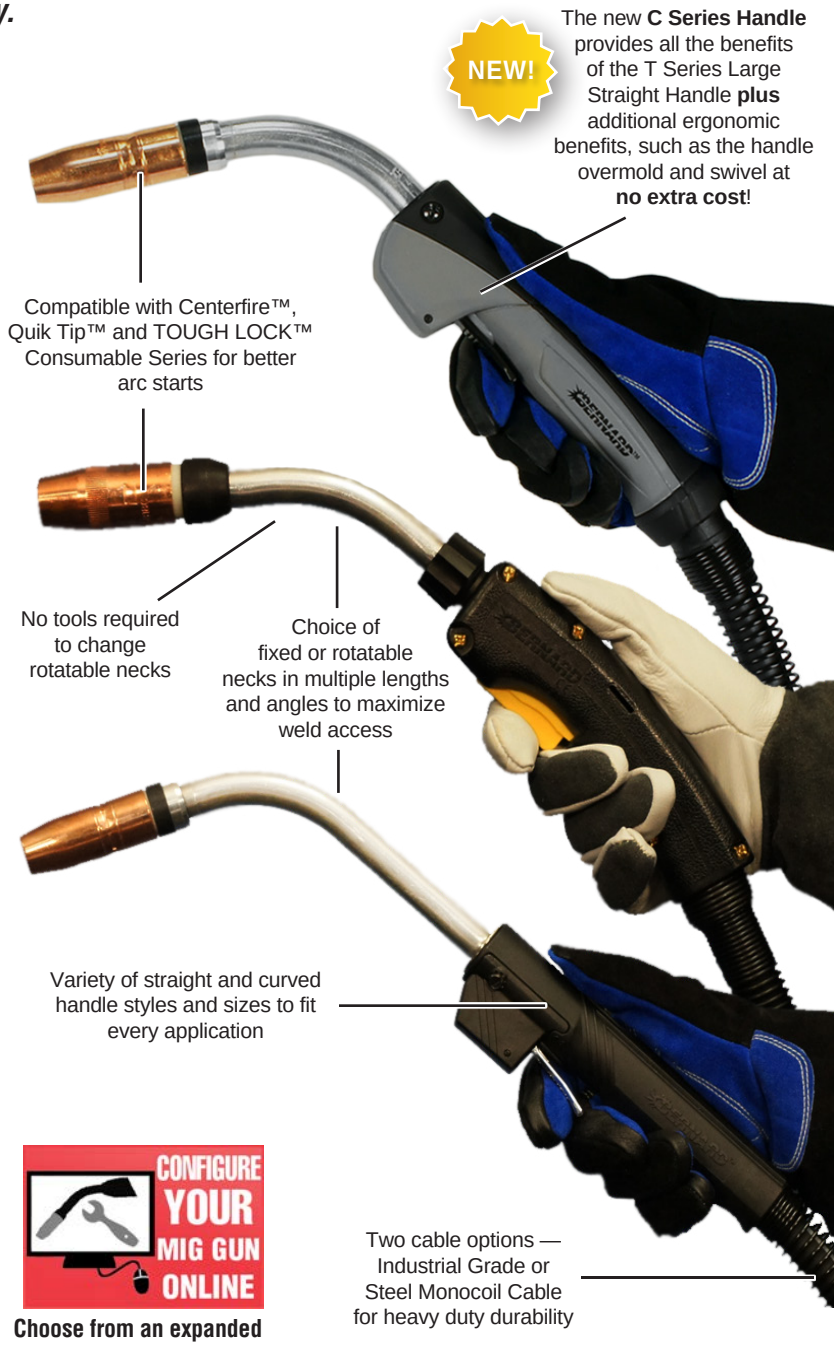
Applications	Processes	Rated Output		Duty Cycle
Heavy Equipment	MIG (GMAW)	200A	500A	100% CO_2 Gas
Shipbuilding	Welding	300A	600A	60% with Mixed Gases
Pipeline		400A		
Fabrication				

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



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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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**
Industrial Grade Cable	**08** ft. (2.44 m)	**B Series Small Curved Handle Q20, Q30**	**Rotatable†**	**2** TOUGH LOCK™^ Standard Duty	**A** 0.023”(.6 mm)	**B** Bernard™	**C** Universal Conventional
Q20 200 Amp Max. wire size 1/16”	**10** ft. (3.05 m)	**A** Standard Trigger	**A** Short 30°	**3** TOUGH LOCK™^^ Heavy Duty	**B** 0.030”(.8 mm)	**E** Euro	**L** QUICK LOAD™ Liner AutoLength™ System**
Q30 300 Amp Max. wire size 5/64”	**12** ft. (3.66 m)	**B** Locking Trigger	**B** Short 45°	**5** Quik Tip™^^^	**C** 0.035”(.9 mm)	**L** Lincoln®	**Q** QUICK LOAD™ Liner***
Q40 400 Amp Max. wire size 5/64”	**15** ft. (4.57 m)	**C** Dual Pull Trigger	**C** Short 60°	**8** Centerfire™^^^	**D** 0.039”(1.0 mm)	**M** Miller®	
Q50 500 Amp Max. wire size 3/32”	**20** ft. (6.16 m)	**B Series Large Curved Handle Q40**	**J** Short 80°		**E** 0.045”(1.2 mm)	**O** OXO™ ‡	
Q60 600 Amp Max. wire size 1/8”	**25** ft. (7.63 m)	**A** Standard Trigger	**D** Medium 30°		**H** 0.052”(1.4 mm)	**R** Tweco® #4 (Miller Lead)	
Steel Monocoil Cable		**B** Locking Trigger	**E** Medium 45°		**I** 1/16”(1.6 mm)	**S** Tweco #4 (Lincoln Lead)	
S30 300 Amp Max. wire size 5/64”		**C** Dull Pull Trigger	**F** Medium 60°		**K** 5/64”(2.0 mm)	**T** Tweco #4 (std. Lead)	
S40 400 Amp Max. wire size 5/64”		**D** Dual Schedule Switch	**K** Medium 80°		**L** 3/32”(2.4 mm)	**U** Tweco #4 (NAS Plug)	
S50 500 Amp Max. wire size 3/32”		**E** Locking Dual Schedule	**G** Long 30°		**M** 7/64”(2.8 mm)	**W** Tweco #5 (std. Lead)	
S60 600 Amp Max. wire size 1/8”		**O Series Large Curved Handle Q40, Q50, Q60, S40, S50, S60**	**H** Long 45°		**N** 1/8”(3.2 mm)	**X** Tweco #5 (Miller Lead)	
		G Standard Trigger	**I** Long 60°		**Aluminum**		
		H Locking Trigger	**Fixed**		**Q** 0.035”(.9 mm)		
		I Dual Pull Trigger	**N** Short 30°††		**R** 3/64” (1.19 mm)		
		K Dual Schedule Switch	**O** Short 45°		**S** 1/16” (1.6 mm)*		
		L Locking Dual Schedule	**P** Short 60°				
		T Series Large Straight Handle Q30, Q40, Q50, Q60, S30, S40	**W** Short 80°††				
		M Standard Trigger	**Q** Medium 30°††				
		N Locking Trigger	**R** Medium 45°				
		P Dual Pull Trigger	**S** Medium 60°				
		Q Dual Schedule Switch	**X** Medium 80°††				
		R Locking Dual Schedule	**T** Long 30°††				
		T Series Small Straight Handle Q30	**U** Long 45°				
		S Standard Trigger	**V** Long 60°				
		O Series Small Curved Handle Q20, Q30, Q40, S30, S40	**Y** Extra Long 45°†††				
		T Standard Trigger	**Z** Extra Long 60°†††				
		U Locking Trigger					
		C Series Large Straight Handle Q30, Q40, Q50, S30, S40					
		V Standard Trigger					
		W Locking Trigger					
		X Dual Pull Trigger					
		Y Dual Schedule Switch					
		J 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. Not available for 500 or 600 amp guns.
^^Available for wire sizes up to 3/32" for 300, 400, 500 and 600 amp guns. Not available for 200 amp guns.
^^^Available for wire sizes up to 1/16" for 200 amp guns, up to 5/64" for 300-400 amp guns, up to 7/64" for 500 amp guns, and up to 1/8" for 600 amp guns.
**Not available for TOUGH LOCK Standard Duty (SD) Contact Tips.*
***Available for wire sizes between 0.030" and 3/32". Not compatible with Bernard Power Pin or OXO Power Pin options. Not compatible with aluminum wire.*
****Available for wire sizes between 0.023" and 3/32". Available for cable lengths up to 15 ft (4.57 m). Not compatible with aluminum wire.*
‡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 for the most up-to-date information.

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