

Bernard™ BTB MIG Guns

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



Quick Specs

Applications

Heavy Equipment
Shipbuilding
Pipeline
Fabrication

Processes

MIG (GMAW)
Welding

Rated Output

200A 500A
300A 600A
400A

Duty Cycle

100% CO₂ 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

NEW!

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



Bernard

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For more information, visit us at BernardWelds.com

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
							
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	- Standard - Locking - Dual Pull	- Standard - Locking - Dual Pull - Dual Schedule Switch - Dual Schedule Switch with Locking	- Standard - Locking	- Standard - Locking - Dual Pull - Dual Schedule Switch - Dual Schedule Switch with Locking	Standard	- Standard - Locking - Dual Pull - Dual Schedule Switch - Dual Schedule Switch with Locking	- Standard - Locking - Dual Pull - Dual Schedule Switch - Insight Ltd.
Cable	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

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 Large Straight Handles

305-45	45° Short	405-60	60° Medium	405-45LL	45° Longest
305-60	60° Short	505-45	45° Long	405-60LL	60° Longest
405-45	45° Medium	505-60	60° Long		

C Series Large Straight Handles

305-45CT	45° Short	405-60CT	60° Medium	405-45LLCT	45° Longest
305-60CT	60° Short	505-45CT	45° Long	405-60LLCT	60° Longest
405-45CT	45° Medium	505-60CT	60° Long		

B Series and O Series Curved Handles

QT2-30	30° Short	QT3-30	30° Medium	QT5-30	30° Long
QT2-45	45° Short	QT3-45	45° Medium	QT5-45	45° Long
QT2-60	60° Short	QT3-60	60° Medium	QT5-60	60° Long
QT2-80	80° Short	QT3-80	80° Medium		

Rotatable Necks

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

QT2-30	30° Short	QT3-30	30° Medium	QT5-30	30° Long
QT2-45	45° Short	QT3-45	45° Medium	QT5-45	45° Long
QT2-60	60° Short	QT3-60	60° Medium	QT5-60	60° Long
QT2-80	80° Short	QT3-80	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

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)

Diffusers

DS-1	Small, Brass
D-1	Large, Brass

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

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

T1023	0.023" (0.6 mm)
T1030	0.030" (0.8 mm)
T1035	0.035" (0.9 mm)
T1039	0.039" (1.0 mm)
T1045	0.045" (1.2 mm)
T1364	3/64" (1.2 mm)

T1052	0.052" (1.4 mm)
T1116	1/16" (1.6 mm)
T1068	0.068" (1.7 mm)
T1072	0.072" (1.8 mm)
T1564	5/64" (2.0 mm)
T1332	3/32" (2.4 mm)

T1764	7/64" (2.8 mm)
T1118	1/8" (3.2 mm)

Diffusers

D118Q	1/8" Recess
D114Q	1/4" Recess

Nozzles

N1C58Q	5/8" Bore, Plated Copper
N1C34HQ	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

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

*Part number also applicable for aluminum wire in corresponding size

Nozzles

401-6-62	5/8" Bore, 1/8" Recess, Copper
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Retaining Head

404-18	Brass
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TOUGH LOCK™ Heavy Duty Consumable Series



Contact Tips

403-20-30	0.030" (0.8 mm)
403-20-35	0.035" (0.9 mm)*
403-20-1.0	0.039" (1.0 mm)
403-20-45	0.045" (1.2 mm)*
403-20-52	0.052" (1.4 mm)

403-20-116	1/16" (1.6 mm)*
403-20-564	5/64" (2.0 mm)
403-20-332	3/32" (2.4 mm)
403-20-364	3/64" (1.2 mm) Aluminum

*Part number also applicable for aluminum wire in corresponding size

Retaining Head

404-26	Dual Taper, Brass
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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

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

415-35-10Q	for 0.035" - 0.045" wire
415-116-10Q	for 0.045" - 1/16" wire

Liner Retainers (required for initial installation)

415-26	for 0.035" - 5/64" wire
415-24	for 0.078" - 3/32" wire

15' (4.57 m) Gun Lengths

415-23-15Q	for 0.023" (0.6 mm) wire
415-30-15Q	for 0.030" (0.8 mm) wire
415-35-15Q	for 0.035" (0.9 mm) wire
	for 0.039" (1.0 mm) wire
	for 0.045" (1.2 mm) wire
415-116-15Q	for 0.052" (1.4 mm) wire
	for 1/16" (1.6 mm) wire
415-564-15Q	for 5/64" (2.0 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
415-30-25Q	for 0.030" (0.8 mm) wire
415-35-25Q	for 0.035" (0.9 mm) wire
	for 0.039" (1.0 mm) wire
	for 0.045" (1.2 mm) wire
415-116-25Q	for 0.052" (1.4 mm) wire
	for 1/16" (1.6 mm) wire
415-564-25Q	for 5/64" (2.0 mm) wire
415-332-25Q	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

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
L2A-15	for 0.030" - 0.035" wire
L3A-15	for 0.035" - 0.045" wire*
L4A-15	for 0.045" - 1/16" wire**
L6A-15	for 5/64" wire
L7A-15	for 3/32" wire
L8A-15	for 7/64" - 1/8" wire

25' (7.62 m) Gun Lengths

L1A-25	for 0.023" - 0.030" wire
L2A-25	for 0.030" - 0.035" wire
L3A-25	for 0.035" - 0.045" wire*
L4A-25	for 0.045" - 1/16" wire**
L6A-25	for 5/64" wire
L7A-25	for 3/32" wire
L8A-25	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

415-45-02	for 0.035" - 3/64" wire Polymer Liner
415-116-22	for 3/64" - 1/16" wire Polymer Liner

15' (4.57 m) Gun Lengths

415-45-03	for 0.035" - 3/64" wire Polymer Liner
415-35-2	for 0.035" - 0.045" wire Steel Wrapped Nylon
415-116-2	for 0.045" - 1/16" wire Steel Wrapped Nylon
415-116-23	for 3/64" - 1/16" wire Polymer Liner

25' (7.62 m) Gun Lengths

415-45-04	for 0.035" - 0.045" wire Steel Wrapped Nylon
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Power Pins

(available through configurator)

Bernard™

1880259B	Quick Disconnect Kit
2200140	Power Pin (Includes O-Rings)

Euro

1880259E	Power Pin Kit
5060T	Euro Block Assembly
4816	Adaptor Nut

AutoLength Pin

425-820E	for 0.030"-0.045"
428-920E	for 0.052"-3/32"

Lincoln®

1880259L	Power Pin Kit
214-2-1	Power Pin

AutoLength Pin

214-87	for 0.030"-0.045"
214-97	for 0.052"-3/32"

Miller®

1880259M	Power Pin Kit
2200137	Power Pin (Includes O-Rings)

OXO™

1880259X	Power Pin Kit
427-12	Power Pin

AutoLength Pin

214-81	for 0.030"-0.045"
214-91	for 0.052"-3/32"
214-9	for 7/64" - 1/8"

Tweco® #4

1880259T4	Power Pin Kit
214	Power Pin (Includes O-Rings)

AutoLength Pin

214-80	for 0.030"-0.045"
214-90	for 0.052"-3/32"

Tweco® #5

1880259T5	Power Pin Kit
214-12	Power Pin (Includes O-Rings)

AutoLength Pin

214-812	for 0.030"-0.045"
214-912	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

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.



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

401-54-62	Straight Bore – 5/8" Bore, 1/8" Tip Recess
401-55-62	Straight Bore – 5/8" Bore, Flush Tip
401-56-62	Straight Bore – 5/8" Bore, 1/8" Tip Stick-Out
401-57-62	Straight Bore – 5/8" Bore, 1/4" Tip Stick-Out
401-54-50	Bottleneck* – 1/2" Bore, 1/8" Tip Recess
401-55-50	Bottleneck* – 1/2" Bore, Flush Tip
401-56-50	Bottleneck* – 1/2" Bore, 1/8" Tip Stick-Out
401-57-50	Bottleneck* – 1/2" Bore, 1/4" Tip Stick-Out

Retaining Heads

404-50-25	Heavy Duty Retaining Head
404-54-25	Standard Duty Retaining Head

Neck Insulators

402-17-25	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.



QT-F-6	6" length
QT-F-8	8" length
1680085C	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
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)	
		B Locking Trigger	E Medium 45°		I 1/16"(1.6 mm)	S Tweco #4 (Lincoln Lead)	
		C Dual Pull Trigger	F Medium 60°		K 5/64"(2.0 mm)	T Tweco #4 (std. Lead)	
		D Dual Schedule Switch	G Long 30°		L 3/32"(2.4 mm)	U Tweco #4 (NAS Plug)	
		E Locking Dual Schedule	H Long 45°		M 7/64"(2.8 mm)	W Tweco #5 (std. Lead)	
			I Long 60°		N 1/8"(3.2 mm)	X Tweco #5 (Miller Lead)	
		O Series Large Curved Handle Q40, Q50, Q60, S40, S50, S60	Fixed		Aluminum		
		G Standard Trigger	N Short 30°††		Q 0.035"(.9 mm)		
		H Locking Trigger	O Short 45°		R 3/64" (1.19 mm)		
		I Dual Pull Trigger	P Short 60°		S 1/16" (1.6 mm)*		
		K Dual Schedule Switch	W Short 80°††				
		L Locking Dual Schedule	Q Medium 30°††				
			R Medium 45°				
		T Series Large Straight Handle Q30, Q40, Q50, Q60, S30, S40	S Medium 60°				
		M Standard Trigger	X Medium 80°††				
		N Locking Trigger	T Long 30°††				
		P Dual Pull Trigger	U Long 45°				
		Q Dual Schedule Switch	V Long 60°				
		R Locking Dual Schedule	Y Extra Long 45°†††				
			Z Extra Long 60°†††				
		T Series Small Straight Handle Q30					
		S Standard Trigger					
		O Series Small Curved Handle Q20, Q30, Q40, S30, S40					
		T Standard Trigger					
		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.
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