



## STRAIGHT REAR STRAIN RELIEF

The straight rear strain relief was built with durability in mind. BTB Guns configured with O, T and B Series front handles share a common straight rear strain relief. The **new C Series** front handle features its own corresponding straight rear strain relief which allows the front and back handles of the gun to be flip-flopped when the front of the cable becomes worn. This popular feature, known as the **Double-Life MIG Gun System**, is also available for BTB Guns configured with a T Series Large Straight Handle. **See below for more information.**

Please note that guns configured with a Euro or Bernard power pin come with a two-piece clamshell rear strain relief.

**All straight and clamshell rear strain reliefs come with a manufacturer's lifetime warranty.**

## DOUBLE-LIFE MIG GUN SYSTEM\*



The Double-Life MIG Gun System features identical handles and internal connections on the front and back. Once the front end of the cable becomes worn, simply "flip-flop" the switch and neck from the front of the gun with the power pin on the back and get twice the life out of your MIG gun!

\*Available for BTB MIG Guns with T Series Large Straight Handle and new C Series Straight Handle; Not compatible with Bernard™, OXO™ and Euro power pin options.

## UNIVERSAL POWER PIN OPTIONS

Power pins provide a direct connection for wire, electrical current and gas flow between most brands of wire feeders and your Bernard™ MIG Gun.

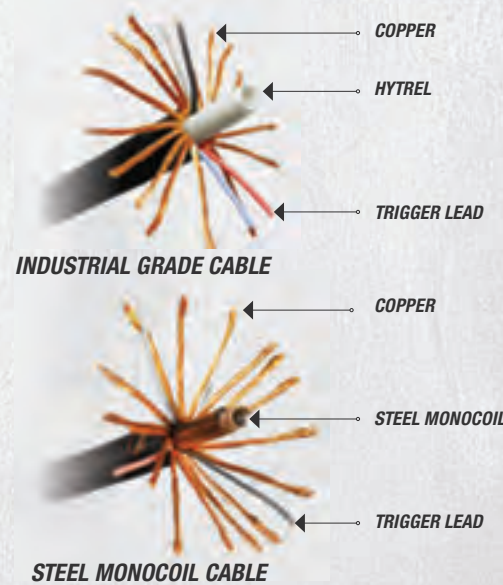
**See page 25 for more information.**



## CABLE OPTIONS

**Industrial Grade Cable** features a rugged rubber outer sleeve, cotton wrapped copper, and durable trigger leads.

An upgrade to **Steel Monocoil Cable** is recommended for welders using longer gun cables that may frequently be looped or stretched around corners to the point of pinching. This cable provides extra crush/pinch resistance via the inner steel monocoil to ensure good wire feeding and gas flow.



## LINER OPTIONS

Our BTB MIG Guns offer a variety of MIG welding liner options to better suit your needs. The **Universal Conventional Liner** is compatible with all legacy Q-Gun™, S-Gun™, T-Gun™ Air-Cooled MIG Guns and all BTB MIG Guns, which allows you to simplify and reduce your inventory.

**See page 22 for more information.**

Want to save time by loading your liner from the front of your gun? The **QUICK LOAD™ Liner** is now compatible with all BTB MIG Guns.

**See page 23 for more information.**

The **QUICK LOAD Liner AutoLength™ System** is a revolutionary system designed specifically to minimize downtime, wire feeding and quality issues commonly associated with short liner length.

**See page 24 for more information.**

## FOR LIGHT TO MEDIUM DUTY WELDING APPLICATIONS

The Bernard™ TGX™ Series (formerly the Tregaskiss™ TGX Series) is perfect for low volume, light to medium duty welding and is a durable, attractively priced choice. Ideally suited for lower amperage welding applications and shorter arc-on times, TGX MIG Guns are available in XS Series (180, 260, 300 amp) and XL Series (300, 400 amp) models and are compatible with Tregaskiss **TOUGH LOCK™** and Tregaskiss **TOUGH ACCESS™** Consumables.



### CABLE STRAIN RELIEF

- Strain relief on front and rear cables
- Protects cable from wear by preventing kinking and abrasion
- Improves wire feedability

### POLYMER-ARMORED NECK

- Thick copper wall with conductor tube interior
- Available in a 60-degree angle for 260 and 400 amp MIG guns

### TREGASKISS TOUGH LOCK CONSUMABLES WITH STANDARD-DUTY SLIP-ON NOZZLE

### UNICABLE DESIGN

- Crimped internal connection
- Available in 10-, 12- and 15-foot lengths

## AMPERAGE RATINGS\*

GUN MODEL	60% Duty Cycle – Mixed Gases or 100% Duty Cycle – CO <sub>2</sub>
180 amp (XS)	180
260 amp (XS)	260
300 amp (XS)	300
300 amp (XL)	300
400 amp (XL)	400

\* Ratings are based on tests that comply with IEC 60974-7 standards.





## BERNARD TGX™ EASY AS 1-2-3! PROGRAM

The TGX Easy as 1-2-3! Program is a unique retail system that allows a TGX MIG Gun to be assembled to your exact specifications in your welding distributor's retail store. Distributors benefit from the program by being able to offer 150 different MIG gun combinations while reducing inventory by up to 75 percent.

Answer the following quick and easy questions to determine which part numbers are required for your gun.

### QUESTION 1

What amperage and cable length do you need?  
Your answer determines the gun chassis you require.

AMPERAGES	GUN LENGTHS		
	10'	12'	15'
180 amp (XS)	XS1810	XS1812	XS1815
260 amp (XS)	XS2610	XS2612	XS2615
300 amp (XS)	XS3210	XS3212	XS3215
300 amp (XL)	XL3010	XL3012	XL3015
400 amp (XL)	XL4010	XL4012	XL4015

### QUESTION 2

What wire feeder model are you using?  
Your answer determines the feeder connection and control plug you require.

FEEDER BRAND	POWER PIN PART # /NAME	REQUIRED ADAPTOR	REQUIRED CONTROL PLUG
Miller®	214-1 Miller	N/A	419-4
Lincoln®	214-2 Lincoln	N/A	419-6
Hobart®	214 Tweco #4 (Standard Lead)	N/A	419-8
Euro (various)	214-1 Miller	417-64	419-4
	214 Tweco #4 (Standard Lead)	417-65	419-8

NOTE: Euro not available for 180 or 260 amp guns.

If your feeder does not appear in the chart above, please contact Bernard Customer Service by email at [cs@itwmig.com](mailto:cs@itwmig.com) or by phone at 1-855-MIGWELD (644-9353).

### QUESTION 3

What wire size are you using? Your answer determines the contact tip and liner you require.

WIRE SIZE *	TOUGH LOCK™ SD CONTACT TIP PART # **	TOUGH LOCK HD CONTACT TIP PART # ***	LINER PART #
0.030" (0.8 mm)	403-14-30-05	403-20-30-05	L1A-15
0.035" (0.9 mm)	403-14-35-05	403-20-35-05	L2A-15
0.045" (1.2 mm)	403-14-45-05	403-20-45-05	L3A-15
1/16" (1.6 mm)	N/A	403-20-116-05	L4A-15

\* 0.030" compatible with 180 amp only. 0.045" not compatible with 180 or 260 amp guns. 1/16" compatible with 400 amp only.

\*\* Standard-duty contact tips only compatible with 180 and 260 amp guns.

\*\*\* Heavy-duty contact tips not compatible with 180 or 260 amp guns.



## BERNARD TGX READY TO WELD PROGRAM

If you prefer a factory-built gun, the TGX Ready to Weld Program is the perfect solution. This program offers a variety of factory-assembled TGX MIG Guns that are ready to weld right out of the box. Just order the part number best suited to your welding application using our online configurator at [BernardWelds.com/ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun) or visit [BernardWelds.com/ReadyToWeld](http://BernardWelds.com/ReadyToWeld) to refer to the part number chart.

## BERNARD W-GUN™ SERIES WATER-COOLED MIG GUNS

Bernard W-Gun MIG Guns contain a flexible cable assembly with reinforced synthetic rubber hoses to prevent water leakage, provide increased water flow and reduce gas leakage. Heavy-duty necks are available in multiple lengths and bend configurations to allow for optimal weld accessibility and improved operator comfort. Multiple handle and trigger options are available as well to increase operator comfort.

- Water block with interchangeable direct plugs and trigger leads
- Durable and easily replaced power pin housing with a coolant hose strain relief
- Coolant channel keeps the consumables cool under high-amperage, high-heat applications
- Available in 600 amp models



## BERNARD T-GUN™ WATER-COOLED SERIES MIG GUNS

The Bernard T-Gun Water-Cooled Series (formerly the Tregaskiss™ TOUGH GUN™ Semi-Automatic Water-Cooled MIG Guns) are engineered for superior performance in production environments requiring extremely high-heat applications. All guns are built to order.

- Neck is insulated and armored with stainless steel to withstand abuse
- All neck joints are silver brazed and 100% leak tested
- Custom gun length options
- Available in 400 amp (compact series handle) and 600 amp models

