TABLE OF CONTENTS

Semi-Automatic Air-Cooled MIG Guns  2
NEW! BTB (Best of the Best) MIG Guns  2
BTB MIG Gun Configurator  4
TGX™ Series  9
Semi-Automatic Water-Cooled MIG Guns  11
W-Gun™ Series  11
T-Gun™ Water-Cooled Series  11
Dura-Flux™ Self-Shielded Flux-Cored Series  12
Dura-Flux Series Comparison Chart  12
Dura-Flux with Replaceable Power Cable Liner  13
Dura-Flux with Fixed Power Cable Liner  13
Fume Extraction Guns  14
Clean Air™ Fume Extraction MIG Guns  14
Bernard™ FILTAIR™ Fume Extraction Series  15
Specialty Necks  16
MIG Gun Consumables  17
Consumables Comparison Chart  17
Centerfire™ Consumables  18
Tregaskiss™ TOUGH LOCK™ Consumables  19
Conversion Series Consumables  20
QUICK Tip™ Consumables  21
Tregaskiss™ TOUGH ACCESS™ Consumables  21
Liners  22
New Universal Conventional Liners  22
Jump Liners  22
QUICK LOAD™ Liners  23
QUICK LOAD Liner AutoLength™ System  24
Universal Power Pins  25

Subject to Change — The information presented in this catalog is accurate to the best of our knowledge at the time of printing. Please visit BernardWelds.com for the most up-to-date information.
BERNARD BTB AIR-COOLED MIG GUNS

OUR MOST FLEXIBLE AND RUGGED MIG GUN OFFERING EVER!
Build your ultimate MIG gun as you choose from an expanded list of the best features of our top MIG gun lines — now consolidated for your convenience into a single gun line and single online configurator.

Here’s what’s now compatible with curved and straight handles from our former Q-Gun™, S-Gun™ and T-Gun™ MIG Gun lines:

NEW! ONE YEAR MANUFACTURER’S WARRANTY

NEW! YOUR CHOICE OF FIXED OR ROTATABLE NECK*
See page 7

NEW! YOUR CHOICE OF CONSUMABLES — TOUGH LOCK™, QUIK TIP™ OR CENTERFIRE™ — ON ANY FRONT HANDLE STYLE
See page 4

NEW! YOUR CHOICE OF UNIVERSAL CONVENTIONAL LINERS OR QUICK LOAD™ LINERS
See page 22-23

NEW! YOUR CHOICE OF A UNIVERSAL POWER PIN OR AUTOLENGTH™ PIN FOR THE QUICK LOAD LINER AUTOLENGTH SYSTEM — VARIETY OF PINS AVAILABLE TO CONNECT WITH MOST MAJOR BRANDS OF FEEDERS
See page 24

NEW! YOUR CHOICE OF SIX FRONT HANDLE STYLES AND SIZES
See Page 6

NEW! STRAIGHT REAR STRAIN RELIEF WITH LIFETIME WARRANTY — NOW STANDARD ON ALL FRONT HANDLE STYLES*
See Page 8

NEW! ACCESSORIES
- Q-Neck coupler and grip
- Heat shield
- Neck guard
- Specialty nozzles
- Lock-on trigger options
- Dual schedule switch
- Gun hanger
- Repair kits
- Flex necks

*Some limitations exist. Please consult our online configurator or your Customer Service Representative.
HANDLE AND TRIGGER

A Series
- Small Curved Handle
- Standard Trigger
- Locking Trigger
- Dual Pull Trigger

B Series
- Large Curved Handle
- Standard Trigger
- Locking Trigger
- Dual Pull Trigger

D Series
- Locking Trigger
- Small Curved Handle
- Large Curved Handle
- Standard Trigger

CABLE LENGTH

Q30 300 amp max. wire size 1/16” (1.6 mm)
Q50 500 amp max. wire size 5/64” (2.0 mm)
Q70 700 amp max. wire size 5/64” (2.0 mm)
Q90 900 amp max. wire size 5/64” (2.0 mm)
Q100 1000 amp max. wire size 5/64” (2.0 mm)
Q120 1200 amp max. wire size 5/64” (2.0 mm)
Q200 2000 amp max. wire size 5/64” (2.0 mm)
Q300 3000 amp max. wire size 5/64” (2.0 mm)
Q400 4000 amp max. wire size 5/64” (2.0 mm)
Q500 5000 amp max. wire size 5/64” (2.0 mm)
Q600 6000 amp max. wire size 5/64” (2.0 mm)
Q800 8000 amp max. wire size 5/64” (2.0 mm)
Q1000 10000 amp max. wire size 5/64” (2.0 mm)

NECK

A Retractable, Short 30°
B Fixed, Short 45°
C Retractable, Medium 30°
D Fixed, Medium 45°
E Retractable, Medium 45°
F Fixed, Medium 60°
G Retractable, Medium 60°
H Fixed, Long 60°
I Retractable, Long 60°
J Fixed, Longest 60°
K Fixed, Short 30°
L Fixed, Long 30°
M Fixed, Short 45°
N Fixed, Medium 45°
O Fixed, Medium 60°
P Fixed, Long 45°
Q Fixed, Longest 45°
R Fixed, Medium 30°
S Fixed, Medium 80°
T Fixed, Long 80°
U Fixed, Longest 80°
V Fixed, Short 60°
W Fixed, Medium 80°
X Fixed, Short 30°
Y Fixed, Medium 30°
Z Fixed, Longest 30°

POWER PIN

A Bernard™
B Euro
C Lincoln®
D Miller™
E ODM™
F Tweco® #5 (Miller Lead)
G Tweco® #4 (Lincoln Lead)
H Tweco® #4 (NAS Plug)
I Lincoln®
J Bernard™
K Tweco® #5 (Standard Lead)
L Tweco® #4 (Standard Lead)
M Tweco® #4 (Lincoln Lead)
N Tweco® #4 (NAS Plug)

WIRE SIZE

A 0.023” (0.6 mm)
B 0.030” (0.8 mm)
C 0.035” (0.9 mm)
D 0.039” (1.0 mm)
E 0.045” (1.2 mm)
F 0.052” (1.4 mm)
G 0.060” (1.6 mm)
H 0.063” (1.6 mm)
I 0.070” (1.8 mm)
J 0.080” (2.0 mm)

CONTACT TIP

A Centfire™
B Quick Tip™
C TOUGH LOCK™ SD
D TOUGH LOCK™ HD

ALUMINUM WIRE

Q 0.035” (0.9 mm)
R 0.045” (1.2 mm)
S 0.052” (1.4 mm)
T 0.063” (1.6 mm)
U 0.070” (1.8 mm)
V 0.080” (2.0 mm)
W 0.090” (2.3 mm)
X 0.100” (2.5 mm)

LINER

A QUICK LOAD Liner AutoLength™ System™
B QUICK LOAD™ Liner
C New! Universal Conventional Liner
D Bernard®
E Lincoln®
F Lincoln®
G Bernard®
H Lincoln®
I Bernard®
J Lincoln®

*Some limitations exist. Please consult our online configurator or your Customer Service Representative to ensure that the part number configured using these pages is accurate prior to placing an order.

CHOOSE YOUR WEAPON — BTB MIG GUN CONFIGURATOR

We recognize that welding applications differ for every welder and that sometimes only a customizable, industrial-duty BTB MIG gun will get the job done right. That’s why we allow you to configure a custom BTB MIG gun that fits your specific application.

BERNARD BTB AIR-COOLED MIG GUNS
BERNARD BTB AIR-COOLED MIG GUNS

GUN AMPERAGE RATINGS*

<table>
<thead>
<tr>
<th>GUN MODEL</th>
<th>60% DUTY CYCLE—MIXED GASES</th>
<th>OR 100% DUTY CYCLE—CO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 amp</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>300 amp</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>400 amp</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>500 amp</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>600 amp</td>
<td>600</td>
<td></td>
</tr>
</tbody>
</table>

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

BTB MIG GUN HANDLE OPTIONS

Bernard understands that welders have strong preferences when it comes to the handle shape and size of their gun. That’s why you can now configure your gun with one of the following six handle options:

<table>
<thead>
<tr>
<th>GUN AMPERAGE RATINGS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 amp</td>
</tr>
<tr>
<td>300 amp</td>
</tr>
<tr>
<td>400 amp</td>
</tr>
<tr>
<td>500 amp</td>
</tr>
<tr>
<td>600 amp</td>
</tr>
</tbody>
</table>

HANDLE OPTIONS

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>B SERIES SMALL CURVED HANDLE</th>
<th>B SERIES LARGE CURVED HANDLE</th>
<th>O SERIES SMALL CURVED HANDLE</th>
<th>O SERIES LARGE CURVED HANDLE</th>
<th>T SERIES SMALL STRAIGHT HANDLE</th>
<th>T SERIES LARGE STRAIGHT HANDLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Style</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
</tr>
<tr>
<td>Neck</td>
<td>Fixed</td>
<td>Fixed</td>
<td>Fixed</td>
<td>Fixed</td>
<td>Fixed</td>
<td>Fixed</td>
</tr>
<tr>
<td>Cable</td>
<td>Industrial Grade</td>
<td>Industrial Grade</td>
<td>Industrial Grade</td>
<td>Industrial Grade</td>
<td>Industrial Grade</td>
<td>Industrial Grade</td>
</tr>
</tbody>
</table>

| Cable    | Industrial Grade or Steel Monocool for 300, 400 amp only | Industrial Grade or Steel Monocool for 300, 400 amp only | Industrial Grade or Steel Monocool for 300, 400 amp only | Industrial Grade or Steel Monocool for 300, 400 amp only |

| Cable    | Industrial Grade or Steel Monocool for 300, 400 amp only |

Amperage

200, 300, 400, 500, 600

GUN AMPERAGE RATINGS*

Amperage

200, 300, 400, 500, 600

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

BTB MIG GUN NECK OPTIONS

 Neck Type | U | V | W |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>45, Short</td>
<td>45, Long</td>
<td>30, Short</td>
</tr>
<tr>
<td>Part #</td>
<td>205-45</td>
<td>405-45</td>
<td>205-30</td>
</tr>
</tbody>
</table>

Neck Type | X | Y |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>45, Long</td>
<td>60, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>405-45</td>
<td>405-60</td>
</tr>
</tbody>
</table>

Neck Type | Z |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>60, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>405-60</td>
</tr>
</tbody>
</table>

Neck Type | A | B | C | D | E | F | G | H | I |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>30, Short</td>
<td>45, Short</td>
<td>60, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
<td>30, Long</td>
<td>45, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-30</td>
<td>QT2-45</td>
<td>QT2-60</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
<td>QT5-30</td>
<td>QT5-45</td>
</tr>
</tbody>
</table>

Neck Type | J | K | L | M | N | O | P | Q | R |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>80, Short</td>
<td>80, Medium</td>
<td>80, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
<td>30, Long</td>
<td>45, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
<td>QT5-30</td>
<td>QT5-45</td>
</tr>
</tbody>
</table>

Neck Type | S | T | U | V | W | X | Y | Z |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>30, Short</td>
<td>45, Short</td>
<td>60, Short</td>
<td>80, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-30</td>
<td>QT2-45</td>
<td>QT2-60</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
</tr>
</tbody>
</table>

Neck Type | A | B | C | D | E | F | G | H | I |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>30, Short</td>
<td>45, Short</td>
<td>60, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
<td>30, Long</td>
<td>45, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-30</td>
<td>QT2-45</td>
<td>QT2-60</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
<td>QT5-30</td>
<td>QT5-45</td>
</tr>
</tbody>
</table>

Neck Type | J | K | L | M | N | O | P | Q | R |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>80, Short</td>
<td>80, Medium</td>
<td>80, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
<td>30, Long</td>
<td>45, Long</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
<td>QT5-30</td>
<td>QT5-45</td>
</tr>
</tbody>
</table>

Neck Type | S | T | U | V | W | X | Y | Z |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle</td>
<td>30, Short</td>
<td>45, Short</td>
<td>60, Short</td>
<td>80, Short</td>
<td>30, Medium</td>
<td>45, Medium</td>
<td>60, Medium</td>
<td>80, Medium</td>
</tr>
<tr>
<td>Part #</td>
<td>QT2-30</td>
<td>QT2-45</td>
<td>QT2-60</td>
<td>QT2-80</td>
<td>QT3-30</td>
<td>QT3-45</td>
<td>QT3-60</td>
<td>QT3-80</td>
</tr>
</tbody>
</table>
BERNARD TGX SERIES

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 OPTIONS

All straight handle air-cooled MIG guns will now use the same proven industrial-grade cable as our curved handle guns which features cotton wrapped copper and durable trigger leads. Our steel monocoil cable is also available for some configurations and provides superior crush resistance and wire feedability.

COMMON STRAIGHT REAR STRAIN RELIEF

The common straight rear strain relief was built with durability in mind and also comes with a manufacturer’s lifetime warranty! Please note that guns configured with a Euro and Bernard power pin come with a two piece clamshell rear strain relief which is also covered by a lifetime warranty.

UNIVERSAL POWER PIN OPTIONS

Power pins provide a direct connection for wire, electrical current and gas flow between various feeder models and your Bernard™ MIG Gun. Launching with the BTB (Best of the Best) MIG Guns, we now offer a new line of Universal Power Pins that are common to all handle styles!

See page 25 for more information.

LINER OPTIONS

Our new BTB MIG Guns offer a variety of MIG welding liner options to better suit your needs. The new Universal Conventional Liner is compatible with all legacy Q-Gun™, S-Gun™, T-Gun™ Air-Cooled MIG Guns and all BTB MIG Guns, which allow 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 both straight and curved handle MIG guns through BTB MIG Guns.

See page 23 for more information.

The QUICK LOAD Liner AutoLength™ System is also available for straight and curved handle guns. This revolutionary system was designed specifically to minimize downtime, wire feeding and quality issues commonly associated with short liner length.

See page 24 for more information.

AMPERAGE RATINGS*

<table>
<thead>
<tr>
<th>GUN MODEL</th>
<th>60% Duty Cycle – Mixed Gases or 100% Duty Cycle – CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>180 amp (XS)</td>
<td>180</td>
</tr>
<tr>
<td>260 amp (XS)</td>
<td>260</td>
</tr>
<tr>
<td>300 amp (XS)</td>
<td>300</td>
</tr>
<tr>
<td>300 amp (XL)</td>
<td>300</td>
</tr>
<tr>
<td>400 amp (XL)</td>
<td>400</td>
</tr>
</tbody>
</table>

* Ratings are based on tests that comply with IEC 60974-7 standards.
BERNARD TGX SERIES

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.

<table>
<thead>
<tr>
<th>AMPERAGES</th>
<th>10'</th>
<th>12'</th>
<th>15'</th>
</tr>
</thead>
<tbody>
<tr>
<td>180 amp (XS)</td>
<td>XS1810</td>
<td>XS1812</td>
<td>XS1815</td>
</tr>
<tr>
<td>260 amp (XS)</td>
<td>XS2610</td>
<td>XS2612</td>
<td>XS2615</td>
</tr>
<tr>
<td>300 amp (XS)</td>
<td>XS3010</td>
<td>XS3012</td>
<td>XS3015</td>
</tr>
<tr>
<td>300 amp (XL)</td>
<td>XL3010</td>
<td>XL3012</td>
<td>XL3015</td>
</tr>
<tr>
<td>400 amp (XL)</td>
<td>XL4010</td>
<td>XL4012</td>
<td>XL4015</td>
</tr>
</tbody>
</table>

QUESTION 2
What wire feeder model are you using?
Your answer determines the feeder connection and control plug you require.

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

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 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.

<table>
<thead>
<tr>
<th>WIRE SIZE”</th>
<th>TOUGH LOCK™ SD CONTACT TIP PART #”</th>
<th>TOUGH LOCK HD CONTACT TIP PART #”</th>
<th>LINER PART #”</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.030” (0.8 mm)</td>
<td>403-14-30-05</td>
<td>403-20-30-05</td>
<td>L1A-15</td>
</tr>
<tr>
<td>0.035” (0.9 mm)</td>
<td>403-14-35-05</td>
<td>403-20-35-05</td>
<td>L2A-15</td>
</tr>
<tr>
<td>0.045” (1.2 mm)</td>
<td>403-14-45-05</td>
<td>403-20-45-05</td>
<td>L3A-15</td>
</tr>
<tr>
<td>1/16” (1.6 mm)</td>
<td>N/A</td>
<td>403-20-116-05</td>
<td>L4A-15</td>
</tr>
</tbody>
</table>

* 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 tip only compatible with 180 and 260 amp guns.
*** Heavy-duty contact tip 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 or visit BernardWelds.com/ReadyToWeld to refer to the part number chart.

WEB SITE QUICKLINK: BernardWelds.com/TGX

BERNARD WATER-COOLED MIG GUNS

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

STAINLESS STEEL ARMORED NECK

BERNARD WATER-COOLED MIG GUNS

WEB SITE QUICKLINK: BernardWelds.com/Water-Cooled
A FLUX-CORED GUN BUILT FOR THE WAY YOU WELD

Self-shielded flux-cored welding can be brutal on both you and your welding equipment. That’s why Bernard designed the Dura-Flux™ MIG Gun to be extremely durable, yet comfortable to hold and use.

Our Dura-Flux MIG Guns meet the demanding needs and harsh environments of construction, shipbuilding, heavy manufacturing and rental applications. Triggers are non-metallic to absorb less heat. The triggers are also made with a sealed micro switch that helps keep out dust and dirt to provide a long-lasting work life.

Bernard now offers two lines of Dura-Flux Series Self-Shielded Flux-Cored MIG Guns. One gun features a replaceable power cable liner, while the other one features a fixed liner. Can’t decide which application best suits your needs? See the comparison chart below:

<table>
<thead>
<tr>
<th>Features</th>
<th>Dura-Flux with Replaceable Power Cable Liner</th>
<th>Dura-Flux with Fixed Power Cable Liner</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 amp</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Internal Trigger Leads</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Replaceable Liner</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Fixed Liner</td>
<td></td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Optional Dual Schedule Switch</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Hi-Viz™ Neck</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Quik Tip™ Contact Tips</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Centerfire™ Contact Tips</td>
<td></td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Wire Size 0.045” - 5/64”</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Wire Size 1/16” - 3/32”</td>
<td></td>
<td>![Checkmark]</td>
</tr>
</tbody>
</table>

- **DURA-FLUX™ MIG GUNS WITH REPLACEABLE POWER CABLE LINER**
  - Internal trigger leads, which means no trigger cord to get caught on surrounding objects
  - Replaceable power cable liner that allows quick and easy power cable maintenance
  - Optional dual schedule switch allows wire speed adjustment while welding and is integrated into the handle to keep it protected from weld spatter
  - Lightweight, rotatable Hi-Viz™ neck reduces user fatigue and improves weld visibility

- **DURA-FLUX™ MIG GUNS WITH FIXED POWER CABLE LINER**
  - Ultra heavy-duty steel monocoil power cables that are highly resistant to kinking for exceptional wire feed in abusive environments
  - Centerfire™ Contact Tips are easy-to-use, high performing and provide better arc starts, less spatter and more consistent welds — and last up to three times longer than most competitive brands
  - Sleeved and aluminum-armored necks are available in multiple lengths for optimal accessibility and improved operator comfort
  - Trigger is sealed from outside contaminants, is simple to replace and absorbs less heat than a metal trigger for long life, greater arc-on time and lower heat output

Please see the Dura-Flux Spec Sheet (SPEC DF) at BernardWelds.com/spec for a complete list of part numbers.
NEW! BERNARD CLEAN AIR™ FUME EXTRACTION MIG GUNS

GET RIGHT TO THE SOURCE!
Reduce smoke at the source with the industrial-duty Bernard Clean Air Fume Extraction MIG Gun! Maintaining a clean more compliant working environment is important and Bernard understands the need for a reliable fume extraction solution.

- Available in 400, 500 and 600 amp models
- Easily slide the nozzle shroud to one of four positions to optimize fume capture, gas flow and weld access
- Redesigned to closely match the weight, handle size, durability and industrial grade performance of regular Bernard MIG Guns
- 360° hose swivel for greater flexibility and balance
- Suitable for use with solid and flux-core wires
- Compatible with vacuum systems from most major manufacturers
- Available with Centerfire™, Quik Tip™ or TOUGH LOCK™ Consumables that ensure reliable arc starting, help reduce spatter and are longer lasting than competitive brands
- Vacuum hose is crush and snag resistant and is durable enough to eliminate the need for a bulky vacuum hose cover

HOW DOES THE BERNARD CLEAN AIR™ FUME EXTRACTION MIG GUN WORK?
The new Bernard Clean Air Fume Extraction MIG Gun is ideal for most solid and flux-core wire welding applications and is compatible with vacuum systems from most major manufacturers. Weld fumes are captured at the front of the gun via the chrome-plated vacuum chamber, suctioned through the Bernard Clean Air Gun handle and into the hose to a port on the vacuum system.

For ease of maneuverability and to reduce wrist fatigue, the gun’s comfortable straight handle with a rubber overmold has a 360° hose swivel connection to the vacuum hose. An adjustable extraction control at the front of the gun handle allows the welder to balance the suction with shielding gas flow to protect against porosity.

CONSUMABLES
- Choose between Centerfire™, Quik Tip™ or TOUGH LOCK™ Consumables

NOZZLE SHROUD
- Adjusts to one of four fixed positions

HANDLE
- Rubber overmold on handle provides comfort and control

VACUUM HOSE SWIVEL
- 360° hose swivel for greater flexibility and balance

VACUUM HOSE
- Crush and snag resistant vacuum hose that features a threaded connection for easy replacement

Please see the FILTAIR Fume Extraction Spec Sheet (SPEC FFE) at BernardWelds.com/spec for a complete list of part numbers.
SPECIALTY NECKS

If you are unable to reach your weld joints comfortably using one of our wide selection of standard necks, consider adding one of the following specialty necks or neck accessories to your Bernard MIG Gun:

FLEX NECKS FOR B SERIES AND O SERIES HANDLES (BTB (BEST OF THE BEST) MIG GUNS)
- Save labor and time — change, rotate or bend neck to desired angle without tools
- Connection improves conductivity for better weld quality, lessens heat to increase operator comfort
- Available in 6” and 8” lengths and are easily removable for jump liner changeover
- Compatible with Centerfire™ or Quik Tip™ Consumables

FLEX NECKS FOR T SERIES HANDLES (BTB MIG GUNS)
- Bend angle up to 80 degrees
- Braided copper conductor tube
- Can be replaced without disturbing cable connections
- Compatible with select Tregaskiss™ TOUGH LOCK™ and Tregaskiss TOUGH ACCESS™ Consumables

Q-NECK COUPLER
- Designed to connect any two Q-Necks
- Provides flexibility and cost savings while minimizing the need for special-order necks
- Compatible with any rotatable neck

NECK GRIP FOR CURVED HANDLE MIG GUNS
- High-temperature rubber sleeve
- Designed to reduce heat exposure and help user hold neck in a steady position
- Improves overall weld quality and reduces operator fatigue

NECK GRIP FOR STRAIGHT HANDLE MIG GUNS CONFIGURED WITH FIXED NECKS
- Heavy-duty metal spring
- Designed to reduce heat exposure and help user hold neck in a steady position
- Improves overall weld quality and reduces operator fatigue

SPECIALTY NECKS
- Multiple lengths and bends available for limited access positions and improved operator comfort
- Additional charges and/or extra lead times may apply

To assist you in selecting the consumable series that’s compatible with your MIG gun, please consult the reference chart below:

CONSUMABLES AND MIG GUN SERIES COMPATIBILITY CHART

<table>
<thead>
<tr>
<th>Consumables</th>
<th>Centerfire™</th>
<th>Quik Tip™</th>
<th>Tregaskiss™ TOUGH LOCK™</th>
<th>Tregaskiss™ TOUGH ACCESS™</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTB MIG Guns</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TOG™ MIG Guns</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>W-Gun™ MIG Guns</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tregaskiss™ TOUGH LOCK™</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Dura-Flux™ with Replaceable Power Cable Liner</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Dura-Flux™ with Fixed Cable Liner</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

GUIDE: ✓ Compatible
SP Compatible, but may require special parts. Check Spec Sheet for details.
CK Compatible, but requires conversion kit

Are you looking for a particular feature or option in your consumable series? Please see the comparison chart below:

CONSUMABLES COMPARISON CHART

<table>
<thead>
<tr>
<th>Consumables</th>
<th>Centerfire™</th>
<th>Quik Tip™</th>
<th>Tregaskiss™ TOUGH LOCK™</th>
<th>Tregaskiss™ TOUGH ACCESS™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard-Duty</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Heavy-Duty</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>&quot;Drop-in” Contact Tip (no threads)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Threaded Contact Tips</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Extra Heavy-Duty Tips Available</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tapered Tips Available</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Chrome Zirconium Tips Available</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Threaded Nozzles</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Slip-on Nozzles</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Nozzle has Built-in Spatter Shield</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Competitive Conversion Parts Available</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compact Size - Hard to Access Welds</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Taper Lock - Tip to Diffuser/Head</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Taper Lock - Diffuser/Head to Neck</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
TOUGH LOCK CONSUMABLES

Use TOUGH LOCK™ Consumables to achieve lower operating costs and increase productivity! This system features the innovative TOUGH LOCK Contact Tip and Retaining Head and is compatible with guns from the new BTB MIG Guns, TGX Series, and T-Gun Water-Cooled Series.

TOUGH LOCK Contact Tips are precision machined using a process that tightly controls tip tolerances. TOUGH LOCK Retaining Heads feature Dual Taper Technology — tapers at both ends keep consumables locked from the tip to neck — which improves weld consistency and heat dissipation for longer tip life and maximum performance.

PERFORMANCE-IMPROVING FEATURES
- Locks gun from contact tip to the neck to prevent loosening due to vibration
- Locked consumables create more consistent welds
- Surface area contact between tightly locked consumables helps to maximize heat dissipation and tip life
- Easier contact tip removal and replacement when retaining head remains locked to the neck

TREGASKISS NOZZLES
Tregaskiss™ Nozzles are designed for use with TOUGH LOCK Consumables. Engineered to be extremely durable and long-lasting, Tregaskiss Nozzles are made of hard-drawn copper or brass. The smooth surface finish and rounded edges help to minimize weld spatter build-up.

- Available in a wide variety of styles and materials
- Brass insert in nozzles maintains inner diameter and prevents rocking of nozzle
- High-temperature-resistant fiberglass insulator electrically insulates nozzle from the retaining head
- Heavy-duty crimp holds all three layers together

Please see the TOUGH LOCK Consumable System Spec Sheet (SPEC TRG-TLC) at BernardWelds.com/spec for a complete list of part numbers.

CENTERFIRE CONSUMABLES

SEE HOW IT ALL ADDS UP TO GREAT PERFORMANCE
Bernard believes that it’s important to choose longer-lasting consumables to avoid replacement and rework, to provide better arc-on time and to improve your bottom line. Centerfire™ Series Consumables are easy-to-use and high performing. They provide better arc starts, less spatter and more consistent welds, while lasting up to three times longer than most brands.

BernardWelds.com/Centerfire

TOUGH LOCK CONSUMABLES

Use TOUGH LOCK™ Consumables to achieve lower operating costs and increase productivity! This system features the innovative TOUGH LOCK Contact Tip and Retaining Head and is compatible with guns from the new BTB MIG Guns, TGX Series, and T-Gun Water-Cooled Series.

TOUGH LOCK Contact Tips are precision machined using a process that tightly controls tip tolerances. TOUGH LOCK Retaining Heads feature Dual Taper Technology — tapers at both ends keep consumables locked from the tip to neck — which improves weld consistency and heat dissipation for longer tip life and maximum performance.

PERFORMANCE-IMPROVING FEATURES
- Locks gun from contact tip to the neck to prevent loosening due to vibration
- Locked consumables create more consistent welds
- Surface area contact between tightly locked consumables helps to maximize heat dissipation and tip life
- Easier contact tip removal and replacement when retaining head remains locked to the neck

TREGASKISS NOZZLES
Tregaskiss™ Nozzles are designed for use with TOUGH LOCK Consumables. Engineered to be extremely durable and long-lasting, Tregaskiss Nozzles are made of hard-drawn copper or brass. The smooth surface finish and rounded edges help to minimize weld spatter build-up.

- Available in a wide variety of styles and materials
- Brass insert in nozzles maintains inner diameter and prevents rocking of nozzle
- High-temperature-resistant fiberglass insulator electrically insulates nozzle from the retaining head
- Heavy-duty crimp holds all three layers together

Please see the TOUGH LOCK Consumable System Spec Sheet (SPEC TRG-TLC) at BernardWelds.com/spec for a complete list of part numbers.

CENTERFIRE CONVERSION SERIES

DID YOU KNOW THAT YOU CAN USE CENTERFIRE CONSUMABLES ON YOUR AIR-COOLED TGX™ MIG GUNS?
Please view the chart below for part numbers.

Please see the Centerfire Consumable Series Spec Sheet (SPEC CF) at BernardWelds.com/spec for a complete list of part numbers.

DIFFERENCES BETWEEN NON-THREADED AND THREADED CONTACT TIPS
- Non-threaded contact tips are easier to replace and maintain
- Threaded contact tips provide better weld consistency and heat dissipation

DIFFERENCES BETWEEN CENTERFIRE AND TOUGH LOCK CONSUMABLES
- Centerfire Consumables are designed for arc-on time and weld consistency
- TOUGH LOCK Consumables are designed for maximum tip life and tip performance

TOUGH LOCK CONTACT TIP
- Cooler tip temperature reduces wear and extends tip life
- Greater surface area contact between tip, head and neck maximizes heat dissipation

PERFORMANCE-IMPROVING FEATURES
- Locks gun from contact tip to the neck to prevent loosening due to vibration
- Locked consumables create more consistent welds
- Surface area contact between tightly locked consumables helps to maximize heat dissipation and tip life
- Easier contact tip removal and replacement when retaining head remains locked to the neck

TREGASKISS NOZZLES
Tregaskiss™ Nozzles are designed for use with TOUGH LOCK Consumables. Engineered to be extremely durable and long-lasting, Tregaskiss Nozzles are made of hard-drawn copper or brass. The smooth surface finish and rounded edges help to minimize weld spatter build-up.

- Available in a wide variety of styles and materials
- Brass insert in nozzles maintains inner diameter and prevents rocking of nozzle
- High-temperature-resistant fiberglass insulator electrically insulates nozzle from the retaining head
- Heavy-duty crimp holds all three layers together

Please see the TOUGH LOCK Consumable System Spec Sheet (SPEC TRG-TLC) at BernardWelds.com/spec for a complete list of part numbers.

CENTERFIRE CONVERSION SERIES

<table>
<thead>
<tr>
<th>Gun Model</th>
<th>Desired Nozzle</th>
<th>Adaptor</th>
<th>Insulator</th>
<th>Gas Diffuser</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGX Series</td>
<td>Small</td>
<td>N/A</td>
<td>4323R</td>
<td>D-1T</td>
</tr>
<tr>
<td>Large</td>
<td>N/A</td>
<td>4423R</td>
<td>D-1T</td>
<td></td>
</tr>
</tbody>
</table>

Please see the Centerfire Consumable Series Spec Sheet (SPEC CF) at BernardWelds.com/spec for a complete list of part numbers.

DIFFERENCES BETWEEN NON-THREADED AND THREADED CONTACT TIPS
- Non-threaded contact tips are easier to replace and maintain
- Threaded contact tips provide better weld consistency and heat dissipation

DIFFERENCES BETWEEN CENTERFIRE AND TOUGH LOCK CONSUMABLES
- Centerfire Consumables are designed for arc-on time and weld consistency
- TOUGH LOCK Consumables are designed for maximum tip life and tip performance

TOUGH LOCK CONTACT TIP
- Cooler tip temperature reduces wear and extends tip life
- Greater surface area contact between tip, head and neck maximizes heat dissipation

PERFORMANCE-IMPROVING FEATURES
- Locks gun from contact tip to the neck to prevent loosening due to vibration
- Locked consumables create more consistent welds
- Surface area contact between tightly locked consumables helps to maximize heat dissipation and tip life
- Easier contact tip removal and replacement when retaining head remains locked to the neck

TREGASKISS NOZZLES
Tregaskiss™ Nozzles are designed for use with TOUGH LOCK Consumables. Engineered to be extremely durable and long-lasting, Tregaskiss Nozzles are made of hard-drawn copper or brass. The smooth surface finish and rounded edges help to minimize weld spatter build-up.

- Available in a wide variety of styles and materials
- Brass insert in nozzles maintains inner diameter and prevents rocking of nozzle
- High-temperature-resistant fiberglass insulator electrically insulates nozzle from the retaining head
- Heavy-duty crimp holds all three layers together

Please see the TOUGH LOCK Consumable System Spec Sheet (SPEC TRG-TLC) at BernardWelds.com/spec for a complete list of part numbers.

CENTERFIRE CONVERSION SERIES

<table>
<thead>
<tr>
<th>Gun Model</th>
<th>Desired Nozzle</th>
<th>Adaptor</th>
<th>Insulator</th>
<th>Gas Diffuser</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGX Series</td>
<td>Small</td>
<td>N/A</td>
<td>4323R</td>
<td>D-1T</td>
</tr>
<tr>
<td>Large</td>
<td>N/A</td>
<td>4423R</td>
<td>D-1T</td>
<td></td>
</tr>
</tbody>
</table>

Please see the Centerfire Consumable Series Spec Sheet (SPEC CF) at BernardWelds.com/spec for a complete list of part numbers.
COMPETITIVE CONVERSION SERIES CONSUMABLES

Not currently using a Bernard MIG Gun? You can still experience immediate benefits from both lines of consumables. Our conversion parts allow you to convert most competitive guns to Centerfire™ or Tregaskiss™ TOUGH LOCK™ Consumables.

Enhance performance and standardize consumables for all your gun brands to minimize inventory management costs.

### CENTERFIRE CONVERSION CHART

<table>
<thead>
<tr>
<th>Gun Manufacturer</th>
<th>Gun Model</th>
<th>Desired Nozzle</th>
<th>Adaptor</th>
<th>Insulator</th>
<th>Gas Diffuser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lincoln®</td>
<td>Magnum 300, Magnum 400</td>
<td>Small</td>
<td>Not Required</td>
<td>4020R</td>
<td>DS-1T</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large</td>
<td></td>
<td>4230R</td>
<td>D-1T</td>
</tr>
<tr>
<td>Tweco®</td>
<td>160 Mini MIG</td>
<td>Small</td>
<td>Not Required</td>
<td>4233R</td>
<td>DS-1T</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large</td>
<td></td>
<td>4233R</td>
<td>D-1T</td>
</tr>
<tr>
<td>Lincoln®</td>
<td>No. 3, No. 4 Tuff-n-Lite, Supra XT (HD Consumables)</td>
<td>Small</td>
<td>Not Required</td>
<td>4323R</td>
<td>DS-1T</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large</td>
<td></td>
<td>4423R</td>
<td>D-1T</td>
</tr>
<tr>
<td>SprayMaster 450</td>
<td>Small</td>
<td>Not Required</td>
<td>4323R</td>
<td>DS-1T</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Large</td>
<td>4423R</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lincoln®</td>
<td>ELC 250, ELC 350, SprayMaster 250, SprayMaster 350</td>
<td>Small</td>
<td>4323R</td>
<td>DS-1T</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Large</td>
<td>10012</td>
<td>D-1T</td>
<td></td>
</tr>
</tbody>
</table>

### TREGASKISS TOUGH LOCK CONVERSION CHART

<table>
<thead>
<tr>
<th>Gun Manufacturer</th>
<th>Gun Model</th>
<th>Gun Neck</th>
<th>TOUGH LOCK Heavy-Duty Retaining Head</th>
<th>Neck Insulator</th>
<th>Adaptor</th>
<th>QUICK LOAD™ Liner Retainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binzel®</td>
<td>ALPHA</td>
<td>N/A</td>
<td>404-46</td>
<td>402-12</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Lincoln®</td>
<td>Lincoln/Magnum 300</td>
<td>KP1009/KP1029 (KP1941)</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Lincoln®</td>
<td>Lincoln Magnum 400</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Tweco®</td>
<td>Tweco #3</td>
<td>63J-60</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>415-37*</td>
</tr>
<tr>
<td></td>
<td>Tweco #4</td>
<td>64J-60</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>415-37*</td>
</tr>
<tr>
<td></td>
<td>SprayMaster 350</td>
<td>M563-60</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>415-37*</td>
</tr>
<tr>
<td></td>
<td>SprayMaster 450</td>
<td>M564H-60</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>415-37*</td>
</tr>
<tr>
<td></td>
<td>Weldskill 400</td>
<td>64A-60</td>
<td>404-20</td>
<td>402-14</td>
<td>N/A</td>
<td>415-37*</td>
</tr>
<tr>
<td></td>
<td>MIG</td>
<td>N/A</td>
<td>402-19</td>
<td>404-54</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Please see the TOUGH ACCESS Consumable Series Spec Sheet (SPEC TRG-TAC) at BernardWelds.com/spec for a complete list of part numbers.

### ADDITIONAL CONSUMABLES

#### QUIK TIP™ CONSUMABLES

Bernard Quik Tip Contact Tips are designed with a threaded taper lock that increases tip life by providing excellent heat transfer and electrical conductivity.

- In case of burnback, a quick twist will get you back on the job within moments
- Quik Tip Gas Diffusers have positive nozzle stops to secure Quik Tip Contact Tips in a fixed position for superior repeatability and consistent, quality welds
- Quik Tip Nozzles are available in two styles — threaded or slip-on — with a variety of orifice diameters for optimal shielding gas coverage

#### QUIK TIP HD SERIES

Bernard Quik Tip HD Series features a two-piece nozzle comprised of a nozzle cone and nozzle body. The removable nozzle cone lowers downtime and consumable cost by allowing replacement of the cone (the most frequently damaged part of the nozzle) without removing and replacing the entire nozzle. Bernard Quik Tip HD Consumables are designed for heavy-duty applications such as shipbuilding, trailer fabrication and other heavy equipment manufacturing operations.

Please see the Quik Tip Consumable Series Spec Sheet (SPEC QT) at BernardWelds.com/spec for a complete list of part numbers.

#### TOUGH ACCESS™ CONSUMABLES

WORRIED ABOUT FITTING IN THOSE HARD-TO-REACH PLACES?

TOUGH ACCESS Consumables are a sleek line of welding consumables.

- Allow entry into difficult crevices that would otherwise be inaccessible due to complex fixture or weldment design
- Compatible with TOUGH LOCK™ Contact Tips
- Available in straight bore and bottleneck styles

Please see the TOUGH ACCESS Consumable Series Spec Sheet (SPEC TRG-TAC) at BernardWelds.com/spec for a complete list of part numbers.

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

*Note: The 404-20 TOUGH LOCK Retaining Head will fit on most necks with an external 9/16” -18 thread, regardless of angle. Order the 415-37 QUICK LOAD Liner Retainer to use Tregaskiss QUICK LOAD Liners for wire sizes .030” through 5/64”.*
NEW UNIVERSAL CONVENTIONAL LINERS

BERNARD UNIVERSAL CONVENTIONAL LINER
The new Universal Conventional Liners are compatible with all legacy Q-Gun™, S-Gun™ and T-Gun™ Air-Cooled MIG Guns, TGX™ Series and all BTB (Best of the Best) MIG Guns, which allows you to simplify and reduce your inventory. These universal conventional liners are made of high carbon music wire for smooth wire feed and long life. Liners are available in lengths up to 25’ (7.6 m) for various wire sizes. Please see chart below for part numbers and wire sizes.

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>Liner Color</th>
<th>10’ (3.05 m)</th>
<th>15’ (4.57 m)</th>
<th>25’ (7.62 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.023” - 0.030”</td>
<td>Yellow</td>
<td>L1A-15</td>
<td>L1A-25</td>
<td></td>
</tr>
<tr>
<td>0.030” - 0.035”</td>
<td>Green</td>
<td>L2A-15</td>
<td>L2A-25</td>
<td></td>
</tr>
<tr>
<td>0.035” - 0.045”</td>
<td>White</td>
<td>L3A-10*</td>
<td>L3A-15*</td>
<td>L3A-25*</td>
</tr>
<tr>
<td>0.045” - 1/16”</td>
<td>Red</td>
<td>L4A-10**</td>
<td>L4A-15**</td>
<td>L4A-25**</td>
</tr>
<tr>
<td>5/64”</td>
<td>Blue</td>
<td>L6A-15</td>
<td>L6A-25</td>
<td></td>
</tr>
<tr>
<td>7/64” - 1/8”</td>
<td>Black</td>
<td>L8A-15</td>
<td>L8A-25</td>
<td></td>
</tr>
</tbody>
</table>

* Standard liner for 0.035” & 0.045” Guns
** Standard liner for 1/16” Guns

Please see the Universal Conventional Liner Spec Sheet (SPEC L) at BernardWelds.com/spec for a complete list of part numbers.

BERNARD JUMP LINER
VERY COST-EFFECTIVE AND GETS YOU BACK ON THE JOB WITHIN MINUTES!
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. Jump Liners are available in sizes to fit 0.023” to 1/16” wire.

Trim damaged liner where it enters neck, slip jump liner over existing liner and tighten neck into place

Please see the Jump Liner Spec Sheet (SPEC JL) at BernardWelds.com/spec for a complete list of part numbers.

NEW UNIVERAL LINERS

QUICK LOAD LINERS
SAVE TIME AND MONEY BY LOADING YOUR LINERS FROM THE FRONT!
QUICK LOAD™ Liners require less than half the time and effort for installation when compared to conventional liners and are available in lengths up to 25’.
A QUICK LOAD Liner Retainer must be purchased separately and installed in the power pin on the first use of a QUICK LOAD Liner.
A quick installation is all it takes!
The two-piece system allows replacement to occur through the neck of the MIG gun while it remains attached to the feeder.

MAINTENANCE MADE EASY!
- No need to cut and waste wire!
- Avoid having to remove MIG gun from wire feeder
- For wire sizes from .023” to 3/32”
- Liners trimmed too long or too short can cause serious wire feeding issues. Be sure to use your liner gauge as instructed to trim the liner to the correct stick-out.

For initial installation, retainer must be installed inside the power pin
After retainer is installed, all future replacements will be done from the front of MIG gun

Please see the QUICK LOAD Liner Spec Sheet (SPEC TRG-QLL) at BernardWelds.com/spec for a complete list of part numbers.
**NEW TECHNOLOGY!**  
**A REVOLUTIONARY COMBINATION**

The QUICK LOAD™ Liner AutoLength™ System is designed to minimize downtime, wire feeding and quality issues commonly associated with the liner being cut to an incorrect length. This new system is designed specifically for use with QUICK LOAD Liners.

**PROBLEM:** Wire feeding challenges caused by liners that are too short result in inefficiency of the welding process and undesirable downtime.

**SOLUTION:** A system upgrade to this new innovative product compensates for liners that are too short to help improve welding efficiency and reduce costly downtime.

- Allows for up to 1” (2.54 cm) forgiveness if the liner is too short
- Accommodates liner movement during welding
- Reduces issues caused by the liner being cut to an incorrect length
- Decreases burnbacks caused by misalignment between the liner and contact tip
- Improves wire feedability by enhancing wire alignment with the contact tip

**HOW DOES IT WORK?**

Housed inside the power pin, this spring-loaded module applies constant pressure on the liner. This ensures that the liner remains seated properly in the retaining head and also allows for up to 1” forgiveness if the liner is cut too short.

---

**NEW UNIVERSAL POWER PINS**

Connect your Bernard Semi-Automatic MIG Gun with wire feeders from most major manufacturers using our new Universal Power Pins. Please find your feeder brand and model in the chart below to select the right power pin for your MIG gun:

<table>
<thead>
<tr>
<th>FEEDER BRAND</th>
<th>FEEDER MODEL</th>
<th>POWER PIN NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miller®</td>
<td>All Miller Feeders* (Except 10 series, 30 series, 65 series, 70 series, 80 series, Migman, and XRA)</td>
<td>Miller*</td>
</tr>
<tr>
<td>Lincoln®</td>
<td>Wirematic 250/255, SP series, IdealArc SP255, MilSpec10, MilSpec65, WeldPak100, PowerMig series, PowerFeed 10MK, PowerFeed 25MT, DH-10, LN-10, LN-15, LN-25PRO, STT-10</td>
<td>Tweeco #4 (Lincoln Lead)</td>
</tr>
<tr>
<td></td>
<td>PowerMig 255 and 300, SP 170, WeldPak 250 and 255, WeldPack 100</td>
<td>Tweeco #4 (Miller Lead)</td>
</tr>
<tr>
<td>Robert®</td>
<td>Beta-Mig series, Digital 2000, Dual Digital, PortaFeed series, UltraFeed series, Handler</td>
<td>Tweeco #4 (Standard Load)</td>
</tr>
<tr>
<td></td>
<td>Ironman series</td>
<td>Lincoln</td>
</tr>
<tr>
<td>Robert®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESAB® NAS</td>
<td>MultiMaster 260, Duratek 4-35, Duratek 4-48</td>
<td>Tweeco #4 (NAS Plug)</td>
</tr>
<tr>
<td>ESAB®</td>
<td>MB-2, MBMaster series, DualMig Dual, Duplus, Duplex, DupStick 100, Duplex 250, Duplex 300, Med 20, Mod 40, Mlastname, Mlastname 4 HD, Mlastname X Universal, L, MIG, MIG HD</td>
<td>Euro</td>
</tr>
<tr>
<td>Thermal Arc®</td>
<td>210OGM, 210OGM, DIGITAL 2000, DUAL DIGITAL 2000, TAF-2, TAF-4</td>
<td>Tweeco #4 (Standard Load)</td>
</tr>
<tr>
<td>OTC®</td>
<td>CM-140, CM-144, CM-147, CM-231, CM-747, DynaAuto</td>
<td>Bernard*</td>
</tr>
</tbody>
</table>

*Please see the Power Pin Spec Sheet (SPEC PPK) at BernardWelds.com/spec for a complete list of part numbers. Please refer to the Bernard Quick Connect Feeder Spec Sheet for appropriate kit to adapt to your feeder model.

If your feeder does not appear on the chart above, please contact Bernard Customer Service by email at cs@itwmig.com or by phone at 1-855-MIG-WELD (644-9353). Brand and product names shown above are trademarks of their respective owners.

---

<table>
<thead>
<tr>
<th>WIRE SIZE</th>
<th>FEEDER</th>
<th>AUTOLENGTH PIN PART #</th>
<th>INTERCHANGEABLE WITH STANDARD POWER PIN</th>
<th>QUICK LOAD LINER PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.030”-0.045”</td>
<td>Miller®</td>
<td>214-81</td>
<td>214-1</td>
<td>415-35-25Q</td>
</tr>
<tr>
<td></td>
<td>Miller®</td>
<td>214-86</td>
<td>214-4-116</td>
<td>214</td>
</tr>
<tr>
<td></td>
<td>Tweco® #4</td>
<td>214-80</td>
<td>214</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tweco® #4</td>
<td>214-82</td>
<td>214-12</td>
<td>214-12</td>
</tr>
<tr>
<td></td>
<td>Levo®</td>
<td>214-88</td>
<td>214</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Euro</td>
<td>425-820</td>
<td>425-20</td>
<td></td>
</tr>
<tr>
<td>0.050”-0.060”</td>
<td>Miller®</td>
<td>214-91</td>
<td>214-1</td>
<td>415-116-25Q</td>
</tr>
<tr>
<td></td>
<td>Miller®</td>
<td>214-96</td>
<td>214-4-322</td>
<td>214</td>
</tr>
<tr>
<td></td>
<td>Tweco® #4</td>
<td>214-90</td>
<td>214-12</td>
<td>214-12</td>
</tr>
<tr>
<td></td>
<td>Tweco® #4</td>
<td>214-92</td>
<td>214-24</td>
<td>214-2</td>
</tr>
<tr>
<td></td>
<td>Lincoln</td>
<td>214-92</td>
<td>214-24</td>
<td>214-2</td>
</tr>
<tr>
<td></td>
<td>Euro</td>
<td>425-920</td>
<td>425-20</td>
<td></td>
</tr>
</tbody>
</table>

Please see the QUICK LOAD Liner and AutoLength Pins Spec Sheet (SPEC TRG-GLL) at BernardWelds.com/spec for a complete list of part numbers.

---

**CHECK OUT OUR 3D Animation or watch a product demonstration at YouTube.com/TregaskissWelds**
Pick the consumables of your choice — TOUGH LOCK™, Centerfire™ and Quik Tip™ Consumables are now fully compatible with all curved and straight handle BTB (Best of the Best) MIG Guns.

Select from six handle styles — Bernard understands that welders have strong preferences when it comes to the handle shape and size of their gun. That's why we now allow you to pick from a wide selection of curved and straight handles when configuring your MIG gun.

Want to configure your straight handle gun with a rotatable neck? Now you can! Rotatable and fixed necks are now available on both curved and straight handle guns.

Want to configure your curved handle gun with the QUICK LOAD™ Liner or the QUICK LOAD™ Liner AutoLength™ System? You can do that too! BTB MIG Guns can now be configured with your choice of QUICK LOAD Liner, QUICK LOAD Liner AutoLength System, or the NEW! Bernard Universal Conventional Liner.