

SPECIALTY NECKS

WEBSITE QUICKLINK:
BernardWelds.com/SpecialtyNecks



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 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



MIG GUN CONSUMABLES

WEBSITE QUICKLINK:
BernardWelds.com/Consumables



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

	Centerfire™	Quik Tip™	Tregaskiss™ TOUGH LOCK™	Tregaskiss TOUGH ACCESS™
BTB MIG Guns	✓	✓	✓	SP
TGX™ MIG Guns	CK	CK	✓	✓
W-Gun™ MIG Guns	✓	✓		
T-Gun MIG Guns (water-cooled)			SP	
Bernard FILTAIR™ Fume Extraction Series	✓	✓		
Dura-Flux™ with Replaceable Power Cable Liner		✓		
Dura-Flux with Fixed Cable Liner	✓			

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:

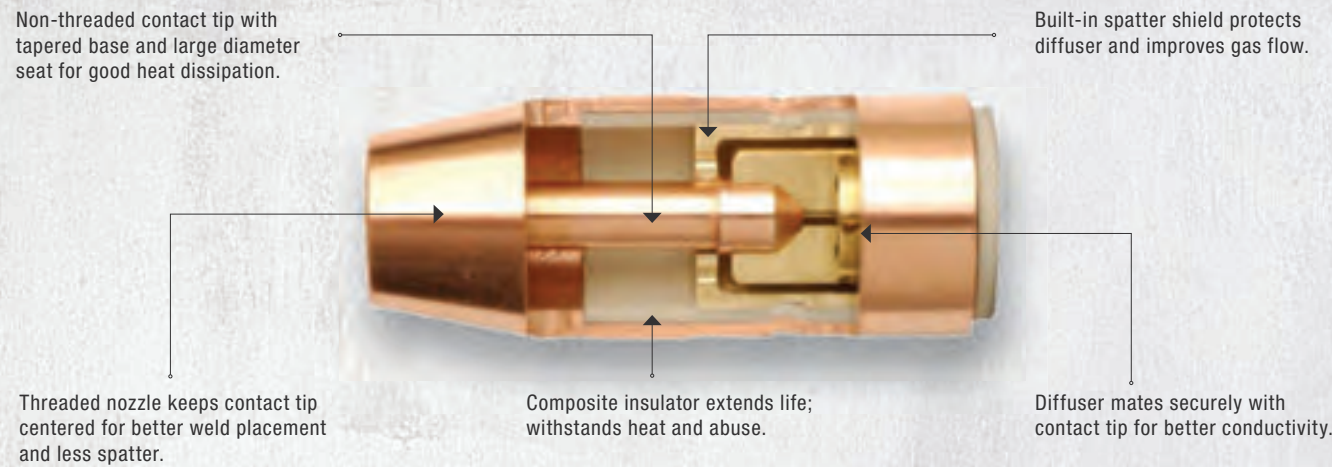
CONSUMABLES COMPARISON CHART

	Centerfire™	Quik Tip™	Tregaskiss™ TOUGH LOCK™	Tregaskiss TOUGH ACCESS™
Standard-Duty	✓	✓	✓	✓
Heavy-Duty	✓	✓	✓	✓
"Drop in" Contact Tip (no threads)	✓			
Threaded Contact Tips		✓	✓	✓
Extra Heavy-Duty Tips Available			✓	
Tapered Tips Available	✓	✓	✓	✓
Chrome Zirconium Tips Available			✓	✓
Threaded Nozzles	✓	✓	✓	
Slip-on Nozzles		✓	✓	✓
Nozzle has Built-in Spatter Shield	✓			
Competitive Conversion Parts Available	✓	✓	✓	
Compact Size - Hard to Access Welds				✓
Taper Lock - Tip to Diffuser/Head	✓	✓	✓	✓
Taper Lock - Diffuser/Head to Neck			✓	



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 provide better arc starts, less spatter and more consistent welds.



- Centerfire Contact Tips are non-threaded and are held in place by the nozzle. These contact tips lock into place and remain centered even after hard use for better weld consistency. It's quick and easy to replace the tip during routine maintenance or after burnbacks.
- Simply unscrew the nozzle by hand, replace the tip and hand-tighten the nozzle back into place — no tools required.
- Consumables suitable for use in heavy-duty and light commercial applications.
- Centerfire Nozzles contain a built-in spatter shield that smoothes and concentrates gas flow for less weld oxidation and contamination.
- Centerfire Contact Tips can be rotated 360 degrees to create new wear surfaces and extended tip life.

Please see the *Centerfire Consumable Series Spec Sheet (SP-CFC)* at BernardWelds.com/spec for a complete list of part numbers.

Centerfire HD Series

Available for heavy-duty applications such as shipbuilding, fabrication and other heavy equipment manufacturing operations. Heavy-Duty Centerfire Nozzles feature a removable nozzle cone, thicker wall and a high-temperature insulator. The removable nozzle cone lowers downtime and consumables costs by allowing operators to replace only the cone (the most frequently damaged part of the nozzle) without removing and replacing the entire nozzle body for spatter removal.



DID YOU KNOW THAT YOU CAN USE CENTERFIRE CONSUMABLES ON YOUR AIR-COOLED TGX™ MIG GUNS?

Please view the chart below for part numbers:

CENTERFIRE CONVERSION SERIES

Gun Model	Desired Nozzle	Adaptor	Insulator	Gas Diffuser
TGX Series	Small	N/A	4323R	DS-1T
	Large	N/A	4423R	D-1T



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 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 (SP-TLC)* at BernardWelds.com/spec for a complete list of part numbers.



CONTACT TIP

- Cooler tip temperature reduces wear and extends tip life

DUAL-LEAD THREAD DESIGN

- 180 degree rotation of tip for extended tip life

DUAL TAPER TECHNOLOGY

- Prevents tip and retaining head from loosening

GREATER SURFACE AREA

- Increased contact between tip, head and neck maximizes heat dissipation





Not currently using a Bernard MIG Gun? You can still experience immediate benefits from Centerfire™ or TOUGH LOCK™ Consumables through the use of competitive conversion parts. Enhance performance and standardize consumables for all your gun brands to minimize inventory management costs.

CENTERFIRE CONVERSION CHART

Gun Manufacturer	Gun Model	Desired Nozzle	Adaptor	Insulator	Gas Diffuser
Lincoln®	Magnum® 300, Magnum 400	Small	Not Required	4323R	DS-1T
		Large		4423R	D-1T
Tweco®	160 MINI MIG	Small	1380020	4323R	DS-1
		Large	1380020	10012	D-1
	No. 3, No. 4 TUFF-N-LITE, SUPRA® XT (HD Consumables)	Small	Not Required	4323R	DS-1T
		Large		4423R	D-1T
	Spray Master® 450	Small	Not Required	4323R (2 required)	DS-1T
		Large		4423R	D-1T
	ELC 250, ELC 350, Spray Master 250, Spray Master 350	Small	1380012	4323R	DS-1
		Large	1380012	10012	D-1

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

NOTE: More options available at BernardWelds.com/Conversion.

TREGASKISS TOUGH LOCK CONVERSION CHART

Gun Manufacturer	Gun Model	Gun Neck	TOUGH LOCK Heavy-Duty Retaining Head	Neck Insulator	Adaptor	QUICK LOAD™ Liner Retainer
Binzel®	ALPHA	N/A	404-46	402-11	N/A	N/A
Lincoln	Lincoln Magnum 300	KP1929 / KP1928 / KP1941	404-20	402-14	N/A	N/A
	Lincoln Magnum 400					
Tweco	Tweco #3	63J-60	404-20	402-14	N/A	415-37*
	Tweco #4	64J-60				
	Spray Master 350	MS63-60				
	Spray Master 450	MS64H-60				
	Weldskill 400	64A-60				
	MINI MIG	N/A				

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".



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.



A quick twist is all it takes to install Quik Tip Contact Tips.

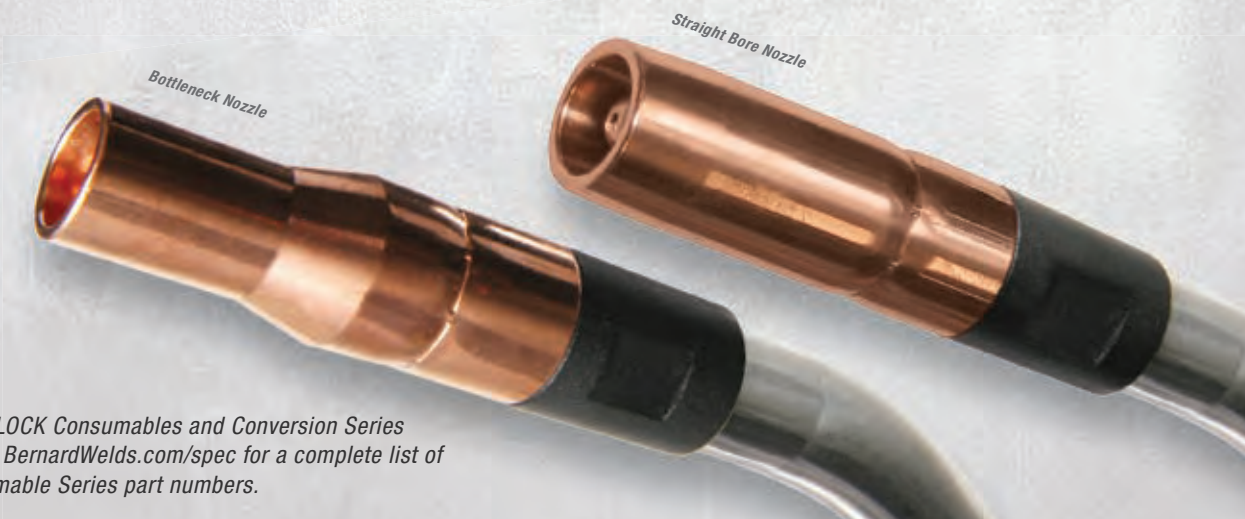
Please see the Quik Tip Consumable Series Spec Sheet (SP-QTC) at BernardWelds.com/spec for a complete list of part numbers.

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 LOCK Consumables and Conversion Series Spec Sheet (SP-TLC) at BernardWelds.com/spec for a complete list of TOUGH ACCESS Consumable Series part numbers.

UNIVERSAL CONVENTIONAL LINERS

BERNARD UNIVERSAL CONVENTIONAL LINER

Universal Conventional Liners are compatible with all legacy Q-Gun™, S-Gun™ and T-Gun™ Air-Cooled MIG Guns, TGX™ Series and all BTB MIG Guns, which allows you to simplify and reduce your inventory. Color-coded by wire size for ease of identification, these liners are made of high carbon music wire for smooth wire feeding 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.

NEW UNIVERSAL LINERS				
Wire Size	Liner Color	10' (3.05 m)	15' (4.57 m)	25' (7.62 m)
0.023" - 0.030"	Yellow	---	L1A-15	L1A-25
0.030" - 0.035"	Green	---	L2A-15	L2A-25
0.035" - 0.045"	White	L3A-10*	L3A-15*	L3A-25*
0.045" - 1/16"	Red	L4A-10**	L4A-15**	L4A-25**
5/64"	Blue	---	L6A-15	L6A-25
3/32"	Grey	---	L7A-15	L7A-25
7/64" - 1/8"	Black	---	L8A-15	L8A-25



* Standard liner for 0.035" & 0.045" Guns

** Standard liner for 1/16" Guns

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

QUICK LOAD LINERS

WEBSITE QUICKLINK:
BernardWelds.com/QUICKLOAD



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!

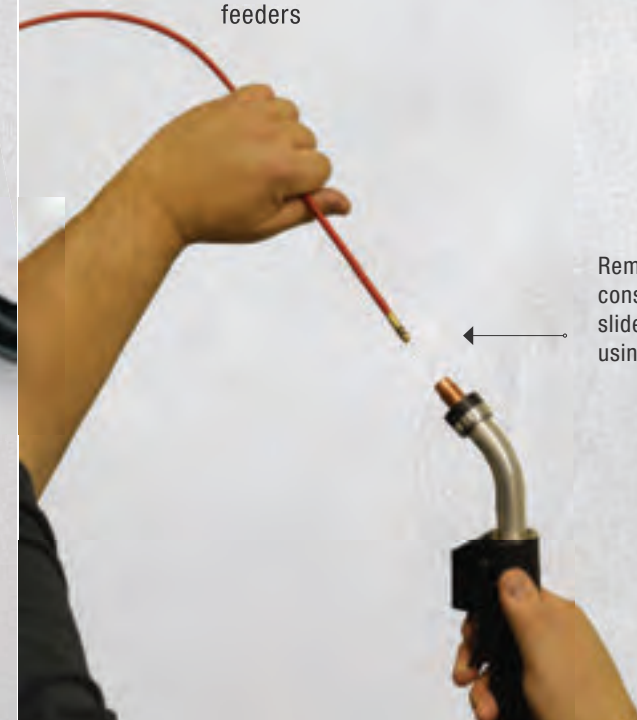
- No need to cut and waste wire!
- Avoid having to remove MIG gun from wire feeder
- For wire sizes from .023" to 3/32"
- Liners trimmed too long or too short can cause serious wire feeding issues. Be sure to use your liner gauge as instructed to trim the liner to the correct stick-out.
- No need to climb up to change liners in semi-automatic MIG guns connected to boom mounted feeders



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

Remove front-end consumables and slide liner over wire, using it as a guide.



Please see the QUICK LOAD Liner Spec Sheet (SP-QLL) at BernardWelds.com/spec for a complete list of part numbers.