

APPLICATIONS	• Commercial Truck & Trailer • General Manufacturing & Fabrication • Heavy Equipment • Pipeline • Rail • Ship
PROCESSES	• MIG (GMAW) Welding
RATED OUTPUT	• 200A • 300A • 400A • 500A • 600A
WIRE SIZE	• 0.030" - 1/8" (0.8 mm-3.2 mm)
DUTY CYCLE	• 60% with Mixed Gases

ENGINEERED FOR SIMPLICITY. BUILT FOR DURABILITY.

Industrial-grade BTB semi-automatic air-cooled 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 - **Featuring AccuLock™ S 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
- Configurable with your choice of AccuLock™ S or Centerfire™ consumables on any front handle style
- Front load liners or rear load liners
- Available in 200, 300, 400, 500 and 600 amp models
- Choose your desired cable length: 10, 15, 20 or 25 feet.
- Available wire size ranges from 0.030" (0.8 mm) to 1/8" (3.2 mm)
- Straight rear strain relief with Lifetime Warranty now standard



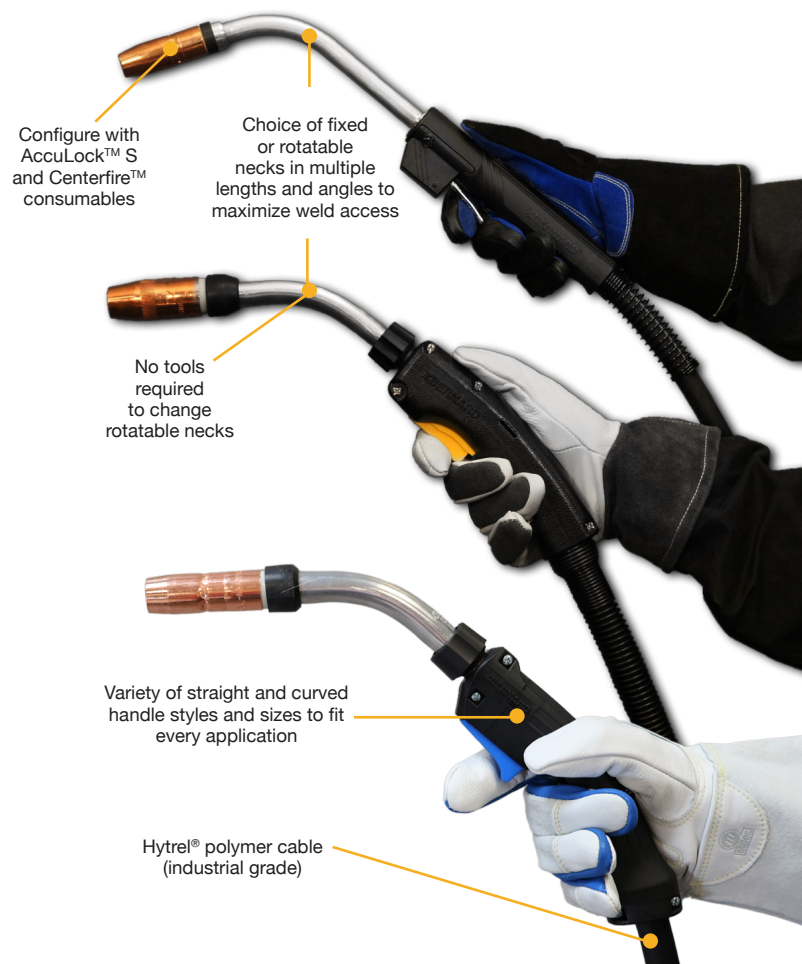
**ONE YEAR
WARRANTY**



**CONFIGURE YOUR MIG
GUN ONLINE**



**FIND REPLACEMENT
PARTS LIST**

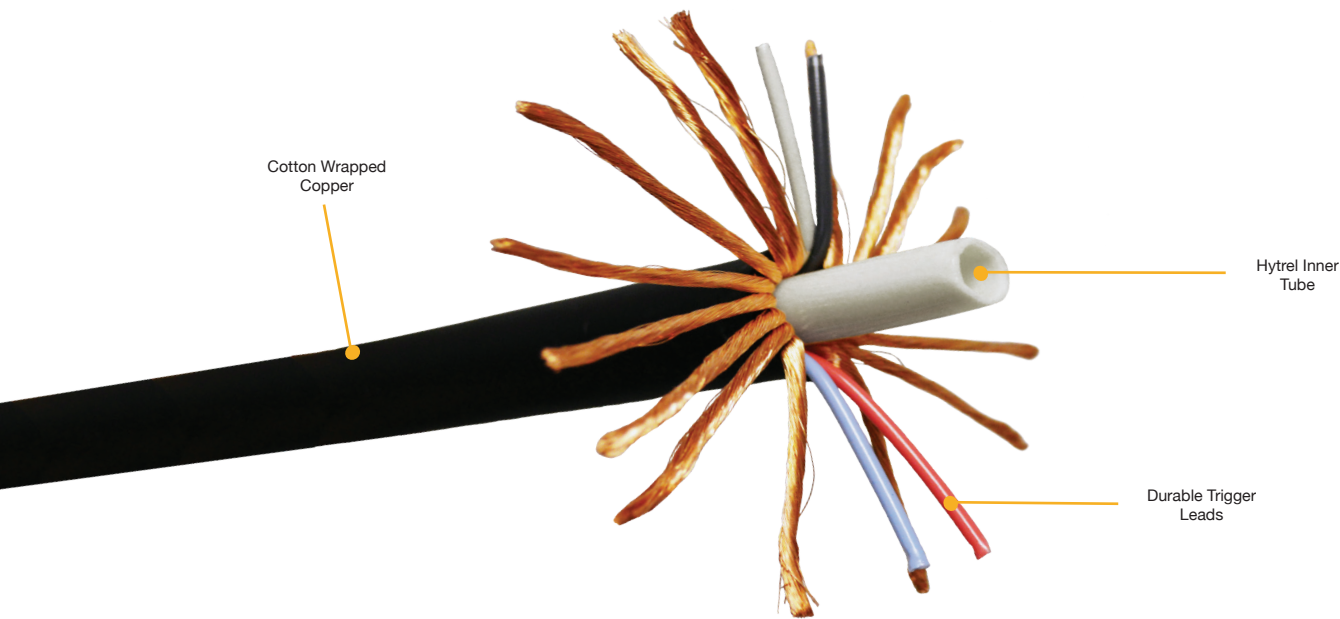


CABLE OPTIONS

[CONFIGURABLE OPTION ONLINE]

HYTREL® POLYMER CABLE (formally referred to as industrial grade cable)

Details	Amperages	Cable Lengths	Handle Styles
The heavy duty Hytrel polymer cable features cotton wrapped copper and durable trigger leads surrounding a hytrel inner tube. The Hytrel polymer cable is compatible with all amperages, cable lengths and all handle styles and sizes. NOTE: NOT ALL AMPERAGES ARE AVAILABLE IN EVERY HANDLE STYLE.	200 amp 300 amp 400 amp 500 amp 600 amp	10 ft (3.05 m) 15 ft (4.57 m) 20 ft (6.10 m) 25 ft (7.62 m)	B Series Curved handle Small curved handle O Series Small curved handle T Series Straight handle Small straight handle



HANDLE & TRIGGER OPTIONS

[CONFIGURABLE OPTION ONLINE]

Features	B Series Small Curved	B Series Curved	O Series Small Curved	T Series Small Straight	T Series Straight
Amperage	200, 300	400	200, 300, 400	200, 300	300, 400, 500, 600
Style	Curved	Curved	Curved	Straight	Straight
Neck	Fixed or rotatable	Fixed or rotatable	Fixed or rotatable	Fixed	Fixed or rotatable
Trigger	Standard Locking Dual pull	Standard Locking Dual pull Dual schedule switch	Standard Locking	Standard	Standard Locking Dual pull Dual schedule switch

NECK OPTIONS

[CONFIGURABLE OPTION ONLINE]

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 Straight Handles

305-45	45° short	405-45	45° medium	505-45	45° long
305-60	60° short	405-60	60° medium	505-60	60° long

B Series and O Series Small Curved Handles

QT2-45	45° short	QT3-45	45° medium	QT5-45	45° long
QT2-60	60° short	QT3-60	60° medium	QT5-60	60° long

ROTATABLE NECKS

B Series, O Series Small Curved Handles and T Series Straight Handles

QT2-45	45° short	QT3-45	45° medium	QT5-45	45° long
QT2-60	60° short	QT3-60	60° medium	QT5-60	60° long

NOTE: 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 and handle combination
- Consumables 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 Series straight handles	Centerfire™	4523R			4423R	
	AccuLock™ S	402-11			402-11	
Rotatable necks for O, B, T Series handles	Centerfire™	4523R			4423R	
	AccuLock™ S	4623R			4623R	
Fixed necks for O, B Series handles	Centerfire™	4523R			4423R	
	AccuLock™ S	4623R			402-11	

CONSUMABLES

[CONFIGURABLE OPTION ONLINE]

ACCULOCK™ S CONSUMABLES

SEE ACCULOCK™ S CONSUMABLES SPEC SHEET (SP-ALS) FOR MORE INFORMATION AND ADDITIONAL OPTIONS THAT CAN BE ORDERED SEPARATELY



Contact Tips

T-A023CH 0.023" (0.6 mm)
T-A030CH 0.030" (0.8 mm)
T-A035CH 0.035" (0.9 mm)
T-A039CH 0.039" (1.0 mm)

T-A045CH 0.045" (1.2 mm)
T-A052CH 0.052" (1.4 mm)
T-A062CH 1/16" (1.6 mm)
T-A072CH 0.072" (1.8 mm)

T-A078CH 5/64" (2.0 mm)
T-A094CH 3/32" (2.4 mm)
T-A109CH 7/64" (2.8 mm)
T-A125CH 1/8" (3.2 mm)

Tapered Contact Tips

TT-A023CH 0.023" (0.6 mm)
TT-A030CH 0.030" (0.8 mm)
TT-A035CH 0.035" (0.9 mm)

TT-A039CH 0.039" (1.0 mm)
TT-A045CH 0.045" (1.2 mm)

TT-A052CH 0.052" (1.4 mm)
TT-A062CH 1/16" (1.6 mm)

Nozzles - Large

N-A3400C 3/4" bore, flush, copper
N-A3418C 3/4" bore, 1/8" recess, copper
N-A3414C 3/4" bore, 1/4" recess, copper
N-A3418B 3/4" bore, 1/8" recess, brass

N-A3414B 3/4" bore, 1/4" recess, brass
N-A5800C 5/8" bore, flush, copper
N-A5818C 5/8" bore, 1/8" recess, copper

N-A5814C 5/8" bore, 1/4" recess, copper
N-A5818B 5/8" bore, 1/8" recess, brass
N-A5814B 5/8" bore, 1/4" recess, brass

Nozzles - Small

NS-A5800C 5/8" bore, flush, copper
NS-A5818C 5/8" bore, 1/8" recess, copper
NS-A5800B 5/8" bore, flush, brass
NS-A5818B 5/8" bore, 1/8" recess, brass

NS-A1200B 1/2" bore, flush, brass
NS-A1218B 1/2" bore, 1/8" recess, brass
NS-A1218C 1/2" bore, 1/8" recess, copper

NST-A3800B 3/8" bore, flush, brass
NST-A3818B 3/8" bore, 1/8" recess, brass
NST-A38XTB 3/8" bore, 1/8" ext., brass
NST-A1218B 1/2" bore, 1/8" recess, brass

Diffusers

FOR USE WITH FRONT LOAD LINERS

D-A1 Large, brass, thread-on
D-A2 Large, brass, slip-on

DS-A1 Small, brass, thread-on
DS-A2 Small, brass, slip-on

Diffusers

FOR USE WITH BERNARD® REAR LOAD LINERS ON MILLER® PACKAGES

D-A1-C Large, brass, thread-on
D-A2-C Large, brass, slip-on

DS-A1-C Small, brass, thread-on
DS-A2-C Small, brass, slip-on

FRONT LOAD LINERS

SEE ACCULOCK™ S CONSUMABLES SPEC SHEET (SP-ALS) FOR MORE INFORMATION AND ADDITIONAL OPTIONS THAT CAN BE ORDERED SEPARATELY

10' (3.05 m) Gun Lengths

LA1A-10 for 0.023" - 0.030" wire
LA2A-10 for 0.030" - 0.035" wire
LAD3A-10 for 0.035" - 0.045" wire

LAD4A-10 for 0.045" - 1/16" wire
LA6A-10 for 5/64" wire

LA7A-10 for 3/32" wire
LA8A-10 for 7/64" - 1/8" wire

15' (4.57 m) Gun Lengths

LA1A-15 for 0.023" - 0.030" wire
LA2A-15 for 0.030" - 0.035" wire
LAD3A-15 for 0.035" - 0.045" wire

LAD4A-15 for 0.045" - 1/16" wire
LA6A-15 for 5/64" wire

LA7A-15 for 3/32" wire
LA8A-15 for 7/64" - 1/8" wire

20' (6.10 m) Gun Lengths

LA1A-20 for 0.023" - 0.030" wire
LA2A-20 for 0.030" - 0.035" wire
LAD3A-20 for 0.035" - 0.045" wire

LAD4A-20 for 0.045" - 1/16" wire
LA6A-20 for 5/64" wire

LA7A-20 for 3/32" wire
LA8A-20 for 7/64" - 1/8" wire

25' (7.62 m) Gun Lengths

LA1A-25 for 0.023" - 0.030" wire
LA2A-25 for 0.030" - 0.035" wire
LAD3A-25 for 0.035" - 0.045" wire

LAD4A-25 for 0.045" - 1/16" wire
LA6A-25 for 5/64" wire

LA7A-25 for 3/32" wire
LA8A-25 for 7/64" - 1/8" wire

ACCULOCK™ S POWER PINS AND POWER PIN CAPS

	Power Pin	Power Pin Cap	Cap Washer Color	Compatible Wire Size
Miller®	2200206	2200351	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200352	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200353	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200354	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200355	Blue	5/64" (2.0 mm)
	2200207	2200356	Grey	3/32" (2.4 mm)
		2200357	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
Lincoln®	2200210	2200309	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200310	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200311	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200312	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200313	Blue	5/64" (2.0 mm)
	2200211	2200314	Grey	3/32" (2.4 mm)
		2200315	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
Tweco® #4	2200150	2200281	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200282	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200283	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200284	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200285	Blue	5/64" (2.0 mm)
	2200151	2200286	Grey	3/32" (2.4 mm)
		2200287	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)
Tweco® #5	2200156	2200295	Yellow	0.023" (0.6 mm) - 0.030" (0.8 mm)
		2200296	Green	0.030" (0.8 mm) - 0.035" (0.9 mm)
		2200297	White	0.035" (0.9 mm) - 0.45" (1.2 mm)
		2200298	Red	0.045" (1.2 mm) - 1/16" (1.6 mm)
		2200299	Blue	5/64" (2.0 mm)
	2200157	2200300	Grey	3/32" (2.4 mm)
		2200301	Black	7/64" (2.8 mm) - 1/8" (3.2 mm)

IMPORTANT NOTE: TO CONVERT ANY BERNARD® BTB MIG GUN WITH A MILLER®, LINCOLN®, TWECO® #4, TWECO® #5, AND EURO POWER PIN, PLEASE FOLLOW THE ABOVE CHART TO IDENTIFY THE POWER PIN AND CAP NEEDED FOR THE ACCULOCK™ S CONSUMABLES SYSTEM. NEED EXTRA SET SCREWS? ORDER 2300023P FOR A PACKAGE OF (10) 1/4-20 X 3/16", LONG CUP POINT SET SCREWS.



CENTERFIRE™ CONSUMABLES

SEE CENTERFIRE™ CONSUMABLES SPEC SHEET ([SP-CFC](#)) FOR MORE INFORMATION AND ADDITIONAL OPTIONS THAT CAN BE ORDERED SEPARATELY

Contact Tips

T-023	0.023" (0.6 mm)	T-045	0.045" (1.2 mm)	T-094	3/32" (2.4 mm)
T-030	0.030" (0.8 mm)	T-052	0.052" (1.4 mm)		
T-035	0.035" (0.9 mm)	T-062	1/16" (1.6 mm)		
T-039	0.039" (1.0 mm)	T-078	5/64" (2.0 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)
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Nozzles

NS-1218B	1/2" bore, 1/8" recess, brass	N-5818C	5/8" bore, 1/8" recess, copper
NS-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

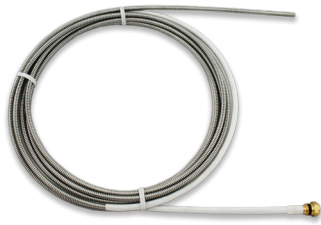
Diffusers

DS-1	Small, brass	D-1	Large, brass
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FRONT LOAD LINERS

Please see page 4



REAR LOAD LINER

REAR LOAD LINERS

SEE BERNARD® REAR LOAD LINER SPEC SHEET ([SP-BER-RLI](#)) FOR MORE INFORMATION

10' (3.05 m) Gun Lengths

L3A-10	for 0.035" - 0.045" wire	L4A-10	for 0.045" - 1/16" wire
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15' (4.57 m) Gun Lengths

L1A-15	for 0.023" - 0.030" wire	L6A-15	for 5/64" wire
L2A-15	for 0.030" - 0.035" wire	L7A-15	for 3/32" wire
L3A-15	for 0.035" - 0.045" wire*	L8A-15	for 7/64" - 1/8" wire
L4A-15	for 0.045" - 1/16" wire**		

25' (7.62 m) Gun Lengths

L1A-25	for 0.023" - 0.030" wire	L6A-25	for 5/64" wire
L2A-25	for 0.030" - 0.035" wire	L7A-25	for 3/32" wire
L3A-25	for 0.035" - 0.045" wire*	L8A-25	for 7/64" - 1/8" wire
L4A-25	for 0.045" - 1/16" wire**		

REAR LOAD LINERS FOR ALUMINUM WIRE

15' (4.57 m) Gun Lengths

415-45-03	Polymer liner for 0.035" - 3/64" wire	415-116-2	Steel wrapped nylon liner for 0.045" - 1/16" wire
415-35-2	Steel wrapped nylon liner for 0.035" - 0.045" wire	415-116-23	Polymer liner for 3/64" - 1/16" wire

25' (7.62 m) Gun Lengths

415-45-04	Steel wrapped nylon liner for 0.035" - 0.045" wire
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Jump Liners

415-25	Bronze jump liner for polymer liner
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*STANDARD LINER FOR 0.035" & 0.045" GUNS

**STANDARD LINER FOR 1/16" GUNS

POWER PINS

[CONFIGURABLE OPTION ONLINE]

SEE BERNARD® POWER PIN SPEC SHEET ([SP-PPK](#)) FOR MORE INFORMATION

MILLER®



1880259M Power pin kit
2200137 Power pin (Includes O-rings)

214-116 for 0.023" - 1/16"
214-332 for 5/64" - 1/8"
214-9 for aluminum

AccuLock™ S Pins and Caps

PLEASE SEE PAGE 5

LINCOLN®



1880259L Power pin kit
GLM1 External gas line
214-2-1 Power pin

Acculock™ S Pins and Caps

PLEASE SEE PAGE 5

EURO

1880259E Power pin kit
5060T Euro Block Assembly
4816 Adaptor Nut

TWECO® #4



1880259T4 Power pin kit
214 Power pin (Includes O-rings)

AccuLock™ S Pins and Caps

PLEASE SEE PAGE 5

TWECO® #5

1880259T5 Power pin kit
214-12 Power pin (Includes O-rings)

AccuLock™ S Pins and Caps

PLEASE SEE PAGE 5

ADDITIONAL OPTIONS

[NOT CONFIGURABLE, ORDER SEPARATELY]



BERNARD® JUMP LINERS

The Bernard® Jump Liners connect with rear load 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.

QJL-3545	0.035" - 0.045" (0.9 mm - 1.2 mm)	14"
QJL-116	1/16" (1.6 mm)	14"

NOTE: NOT COMPATIBLE WITH FRONT LOAD DUAL-LOCKED LINERS
SEE BERNARD® JUMP LINER SPEC SHEET (SP-JL) FOR MORE INFORMATION



FLEX NECKS

FOR B SERIES AND O SERIES SMALL 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® AccuLock™ S and Centerfire™ Consumables.

QT-F-6	6" length
QT-F-8	8" length
1680085	Rotatable adaptor (required for use with T Series handles only)

ACCESSORIES

[NOT CONFIGURABLE, 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 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 all B Series handles



Heat Shield

Our durable heat shield reduces heat exposure from the weld, protecting the user's hand and improving operator comfort and weld quality.

- 421** Compatible with fixed or rotatable necks

HANDLE REPLACEMENT KITS

B Series and B Series Small

- 1880155** 200, 300 amp (standard, locking, dual pull)
- 1880198** 400 amp (standard, locking, dual pull)
- DSA-1** 400 amp dual schedule (standard, locking)

O Series Small

- 1880219** 200, 300, 400 amp (standard, locking)
- 177370** 200, 300, 400 (standard with ext.)

T Series Small

- 320** 300 amp (standard)

CABLE REPAIR KITS

- 313-8** Cable repair kit, 300 amp
- 413-7** Cable repair kit, 400 amp
- 513-7** Cable repair kit, 500 amp
- 613-7** Cable repair kit, 600 amp

NOTES

ORDERING INFORMATION

Amperage	Length	Handle & Trigger Option	Neck Option	Consumables	Wire Sizes	Power Pin	Liner Type
Q40	15	A	E	4	D	M	A
HYTREL POLYMER CABLE Q20 200 amp Max. wire size 1/16" Q30 300 amp Max. wire size 5/64" Q40 400 amp Max. wire size 5/64" Q50 500 amp Max. wire size 3/32" Q60 600 amp Max. wire size 1/8"	10 ft. (3.05 m)	<u>B SERIES SMALL CURVED HANDLE Q20, Q30</u> A Standard trigger B Locking trigger C Dual pull trigger <u>B SERIES CURVED HANDLE Q40</u> A Standard trigger B Locking trigger C Dual pull trigger D Dual schedule switch <u>T SERIES STRAIGHT HANDLE Q30, Q40, Q50, Q60</u> M Standard trigger N Locking trigger P Dual pull trigger Q Dual schedule switch <u>T SERIES SMALL STRAIGHT HANDLE Q20, Q30</u> S Standard trigger <u>O SERIES SMALL CURVED HANDLE Q20, Q30, Q40</u> T Standard trigger U Locking trigger	ROTATABLE† B Short 45° C Short 60° E Medium 45° F Medium 60° H Long 45° I Long 60° FIXED O Short 45° P Short 60° R Medium 45° S Medium 60° U Long 45° V Long 60°	4 AccuLock™ S††† 8 Centerfire™^ 9 AccuLock™ S†††	B 0.030"(0.8 mm) C 0.035"(0.9 mm) D 0.039"(1.0 mm) E 0.045"(1.2 mm) H 0.052"(1.4 mm) I 1/16"(1.6 mm) K 5/64"(2.0 mm) L 3/32"(2.4 mm) M 7/64"(2.8 mm) N 1/8"(3.2 mm) ALUMINUM Q 0.035"(.9 mm) R 3/64"(1.19 mm) S 1/16"(1.6 mm)*	E Euro†† L Lincoln® M Miller® R Tweco® #4 (Miller lead) S Tweco® #4 (Lincoln lead) T Tweco® #4 (std. lead) U Tweco® #4 (NAS plug)	A Front load liner C Rear load liner
	15 ft. (4.57 m)						
	20 ft. (6.16 m)						
	25 ft. (7.63 m)						

†NOT COMPATIBLE WITH T SERIES SMALL STRAIGHT HANDLE STYLES.
 ††NOT COMPATIBLE WITH FRONT LOAD LINER TYPE "A"
 †††COMPATIBLE ONLY WITH FRONT LOAD LINER OPTION.
 ††††COMPATIBLE WITH BERNARD® REAR LOAD LINERS ON MILLER® PACKAGES.
 ^AVAILABLE FOR WIRE SIZES UP TO 1/16" FOR 200 AMP GUNS; AVAILABLE FOR WIRE SIZES UP TO 5/64" FOR 300 AND 400 AMP GUNS; AVAILABLE FOR WIRE SIZES UP TO 7/64" FOR 500 AMP GUNS; AVAILABLE FOR WIRE SIZES UP TO 1/8" FOR 600 AMP GUNS.
 *AVAILABLE FOR WIRE SIZES BETWEEN 0.023" AND 3/32"; AVAILABLE FOR CABLE LENGTHS UP TO 15 FT (4.57M); NOT COMPATIBLE WITH ALUMINUM WIRE.

CONFIGURE YOUR MIG GUN OR REVERSE
 LOOKUP YOUR EXISTING GUN PART NUMBER
 TO FIND YOUR REPLACEMENT PARTS LIST!



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