

SEMI-AUTOMATIC WATER-COOLED
MIG GUNS

APPLICATIONS	• General Manufacturing & Fabrication • Heavy Equipment • Oil & Gas • Rail • Ship
PROCESSES	• MIG (GMAW) Welding
RATED OUTPUT	• 400A • 450A • 600A
WIRE SIZE	• 0.035" - 3/32" (0.06mm-2.4mm)
DUTY CYCLE	• 100% with CO ₂ Gas • 60% with Mixed Gases

Bernard® T-Gun™ semi-automatic water-cooled MIG guns are engineered for superior performance in production environments requiring extremely high-heat applications.

The insulated neck, armored with stainless steel, better withstands abuse, and all neck joints are silver brazed and leak tested.

Available in 400 amp (compact series models), 450 and 600 amp models, all Bernard T-Gun semi-automatic water-cooled MIG guns are fully configurable and compatible with QUICK LOAD® liners, TOUGH LOCK® and AccuLock™ R consumables.

- Neck is insulated and armored with stainless steel to withstand abuse

- All neck water-line joints are silver brazed and 100% leak tested

- Custom neck length and bend configurations available

- Nozzles thread directly to neck for a cooler-running nozzle

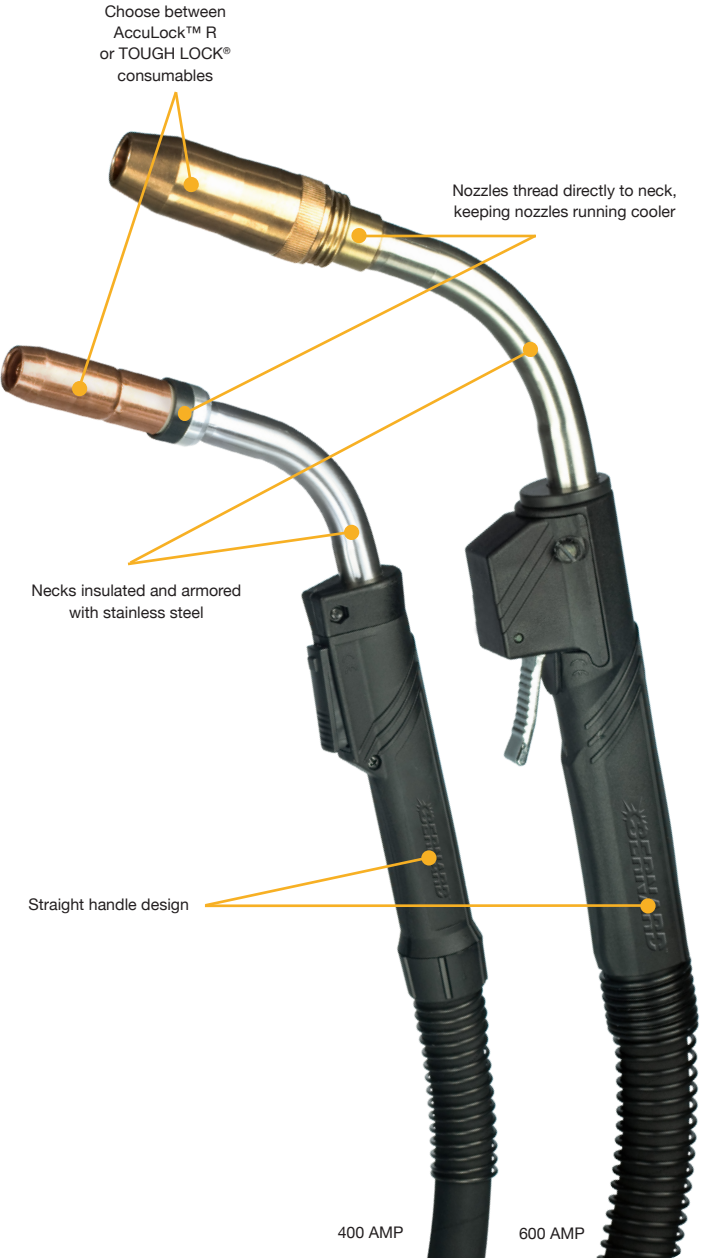
- Water-cooled internally to diffuser/retaining head

- Custom gun lengths available

- Compatible with QUICK LOAD® liners, TOUGH LOCK® consumables and AccuLock™ R consumables



EXPANDED CONTACT TIP OPTIONS
NOW AVAILABLE WITH ACCULOCK™ CONSUMABLES



HANDLE AND TRIGGER OPTIONS

HANDLES AND TRIGGERS

400 amp Models

320	Handle, front
610	Handle, rear (with strain relief)
211-5	Trigger
211-5-8	Trigger housing, extended lever

450, 600 amp Models

610	Handle, front/rear	411-12	Trigger housing, dual schedule
411-1	Trigger	411-13	Trigger housing, lock-on D/S
411-2	Trigger housing	411-23	Trigger housing, extended lever
411-4	Trigger housing, lock-on	411-11	Trigger housing, two-position

NECKS AND NECK INSULATORS

400 amp Models

445-45	Neck, 45 degree
445-60	Neck, 60 degree
402-7	Neck insulator, 400 amp

450 amp Models

455-45	Neck, 45 degree
455-60	Neck, 60 degree
455-180	Neck, 180 degree
452-3-25	Neck insulator

600 amp Models

595-45	Neck, 45 degree
595-60	Neck, 60 degree
595-180	Neck, 180 degree

CONSUMABLES

ACCULOCK™ R CONSUMABLES

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



Contact Tips

T-A023CH	0.023" (0.6 mm)	T-A045CH	0.045" (1.2 mm)	T-A072CH	0.070" (1.8 mm)
T-A030CH	0.030" (0.8 mm)	T-A052CH	0.052" (1.3 mm)	T-A078CH	5/64" (2.0 mm)
T-A035CH	0.035" (0.9 mm)	T-A062CH	1/16" (1.6 mm)	T-A094CH	3/32" (2.4 mm)
T-A039CH	0.039" (1.0 mm)				

Nozzles

401-5-62	5/8" bore, 1/4" recess, copper; 400A, 450A
601-5-62	5/8" bore, 1/4" recess, bronze; 600A
601-6-75	3/4" bore, 1/8" recess, bronze; 600A

Gas Diffusers

D-ATTH	Gas diffuser, thread-on; 400A, 450A
D-ATSH	Gas diffuser, slip-on; 400A, 450A
D-ATTH-MW1	Gas diffuser, thread-on; 600A

TOUGH LOCK® HEAVY DUTY CONSUMABLES



Contact Tips

403-20-30	0.030" (0.8 mm)	403-20-116	0.045" (1.2 mm)
403-20-35	0.035" (0.9 mm)*	403-20-564	0.052" (1.3 mm)
403-20-1.0	0.039" (1.0 mm)	403-20-332	1/16" (1.6 mm)
403-20-45	0.045" (1.2 mm)*	403-20-364	3/64" (1.2 mm) aluminum
403-20-52	0.052" (1.4 mm)		

*PART NUMBER ALSO APPLICABLE FOR ALUMINUM WIRE IN CORRESPONDING SIZE

Nozzles

401-4-38	3/8" bore, flush, copper; 400A, 450A
401-6-50	1/2" bore, 1/8" recess, copper; 400A, 450A
401-4-50	1/2" bore, 1/8" recess, copper; 400A, 450A
401-5-62	5/8" bore, 1/4" recess, copper; 400A, 450A
401-42-50	1/2" bore, 1/8" recess, brass; 400A, 450A
601-5-62	5/8" bore, 1/4" recess, bronze; 600A
601-6-75	3/4" bore, 1/8" recess, bronze; 600A

Retaining Heads

404-30	Retaining head; 400A, 450A
404-38	Retaining head; 600A

CONSUMABLES [CONTINUED]

QUICK LOAD® LINERS

SEE QUICK LOAD® LINER SPEC SHEET (SP-QLL) FOR MORE INFORMATION

10-foot Gun Lengths

415-35-10Q for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire

415-116-10Q for 0.045" (1.2 mm) - 1/16" (1.6 mm) wire

12-foot, 15-foot Gun Lengths

415-35-15Q for 0.035" (0.9 mm) - 0.045" (1.2 mm) wire

415-116-15Q for 0.052" (1.3 mm) - 1/16" (1.6 mm) wire

Liner Retainers (required for initial installation)

415-26 for 0.035" - 5/64" wire

REAR LOAD LINERS FOR ALUMINUM WIRE

10-foot Gun Lengths

415-45-02 Polymer liner for 0.035" - 3/64" wire

415-116-22 Polymer liner for 3/64" - 1/16" wire

12-foot, 15-foot 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

Jump Liners

415-25 Bronze jump liner for polymer liner

COMPONENTS

CONDUITS

657-15 Conduit. 15-ft service (cut to size for other lengths)

WATER LINES

658 Water line, red (out)

658-1 Water line, blue (in)

656-15 Internal water line, 15-ft service

POWER CABLES

659-10 Power cable, 10-ft service (actual length: 9.5')

659-12 Power cable, 12-ft service (actual length: 11.5')

659-15 Power cable, 15-ft service (actual length: 14.5')

REPLACEMENT CABLE BUNDLES

661-10 Replacement cable bundle, 10'

661-12 Replacement cable bundle, 12'

661-15 Replacement cable bundle, 15'

CONTROL WIRE ASSEMBLIES

662-10 Control wire assembly, 10' length

662-15 Control wire assembly, 12' and 15' length

662-210 Control wire assembly, dual schedule, 10'; 450, 600 amp

662-212 Control wire assembly, dual schedule, 12'; 450, 600 amp

662-215 Control wire assembly, dual schedule, 15'; 450, 600 amp

POWER PINS

214 Power pin, Tweco® #4

214-2 Power pin, Lincoln®

214-6-116 Power pin, Miller®

214-12 Power pin, Tweco® #5

214-7 Power pin, Lincoln® (short); 450, 600 amp

214-6-9 Power pin, Miller® (aluminum); 400 amp

ACCESSORIES

WATER COOLER HOOK-UP KITS

WC2HK-1 Water Cooler Hookup Kit includes two 15' hoses and fittings to connect our gun to a water cooler.

WC2HK-2 Water Cooler Hookup Kit includes two 30' hoses and fittings to connect our gun to a water cooler.

WC2HK-3 Water Cooler Hookup Kit includes two 3' hoses and fittings to connect our gun to a water cooler

ORDERING INFORMATION

Switch Options	Power Pin	Amperage	Cable Length	Wire Size	Nozzle	Neck	Liner/ Consumables
	M	62	10	-45	-5	-545	AR
Standard*	Tweco® #4**	42 400 amp	<u>400 AMP</u>	-35 0.035"	<u>400, 450 AMP</u>	<u>400, 450 AMP</u>	Rear load liner^^
D Dual schedule	M Miller®	45 450 amp	10 10'	-1.0 1.0 mm	-2 401-4-38^	-460 60 degree	Q QUICK LOAD® liner
2D 2-position dual schedule	LN Lincoln®	62 600 amp	15 15'	-45 0.045"	-3 401-6-50^	-445 45 degree	-9 for Aluminum wire
	TW Tweco® #5		<u>450, 600 AMP</u>	-364 3/64" ^	-4 401-4-50^	<u>600 AMP</u>	AR AccuLock™ R
	E Euro		08 8'	-52 0.052"	-5 401-5-62	-560 60 degree	consumables
			10 10'	-116 1/16"	-7 401-42-50^	-545 45 degree	
			12 12'	-564 5/64"	<u>600 AMP</u>		
			15 15'	-332 3/32"	-5 601-5-62		
					-6 601-6-75		

*LEAVE THE "SWITCH OPTIONS" OPTION BLANK IF SELECTING STANDARD.

**LEAVE THE "POWER PIN" OPTION BLANK IF SELECTING TWECO® #4.

^NOT COMPATIBLE WITH ACCULOCK™ R CONSUMABLES OPTION.

^^LEAVE THE "LINER/CONSUMABLES" OPTION BLANK IF SELECTING REAR LOAD LINER.

D AND 2D OPTION NOT COMPATIBLE WITH 42 SERIES (400 AMP GUN).

BRAND AND PRODUCT NAMES SHOWN ABOVE ARE TRADEMARKS OF THEIR RESPECTIVE OWNERS.

SUBJECT TO CHANGE – THE INFORMATION PRESENTED IN THIS SPEC SHEET IS ACCURATE TO THEBEST OF OUR KNOWLEDGE AT THE TIME OF PRINTING.

PLEASE VISIT BERNARDTREGASKISS.COM FOR THE MOST UP-TO-DATE INFORMATION.

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