

## Direct Plug Options That Work

### Get the right connection to fit your wire feeder

Below is a list of wire feeders that connect with Bernard Q-Gun™ and S-Gun™ direct plugs. Feeder connections not listed here can often be addressed by the wide variety of available Bernard adapter kits. Contact us for more information.

Direct Plug	Manufacturer	Model
<b>B Bernard®</b>	Adapts to most feeder makes and models. Examples below. Refer to <i>Bernard EZ Feed Quick Connect Feeder End Kits Ordering Guide</i> for more information.	
	Miller®	10 Series, 10E, 30 Series, 30A, 30B, 30E, 70 Series, 70A, 80 Series, 80A, MM10A, XRA: with <i>Bernard Adapter Kit 4983</i> Migman 105: with <i>Bernard Adapter Kit 4920G</i> 35S, MM35S (with 3/4" bore only): with <i>Bernard Adapter Kit 4970F</i> MM35 (with 3/8" bore only): with <i>Bernard Adapter Kit 4970F</i>
	OTC®	Most models, including CM-145, CM-146, CM-147, CM-231, CM-747, DynaAuto: with <i>Bernard Adapter Kit 4820P</i> CMUS-511: with <i>Bernard Adapter Kit 4820G</i>
	<b>E Euro</b>	<b>All Models</b>
	CEA® (USA & Europe)	EuroFil 210, MaxiCompact 300, MonoFil 201, MonoFil 251 Migmate, TE 904RC, TR 80, TR 90, WF 104
	Cebora®	Jaguar 181, Jaguar 203, Jaw Feed, MIG 175, MIG 253C
	CEMIG®	PD10, PD20, PD30
	Cemont®	MX 200S, WX 1705
	ESAB®, Airco®, L-Tec®	ME-2, MigMaster 180, DigiMIG Dual, DigiPlus, DigiPulse, Dip/Stick 160, DipPak 250, DipPak 300, Med 20, Med 40, MIGhty, MIGhty 4HD, MIGhty V, Universal V, MIG 2E, MIG 4HD, MigMaster 250, MigMaster 300L
	Esseti®	Macro 350, Macro 400, Macro 500, MT 1, MT 2, Unimacro 500
Gelco®	All Models	
Hansen Mig®	HH0250	
Lincoln®	SP250, SP253	
Nu-Tecsys® Corp	Omni Mig, OMNI-MIG160, OMNI-MIG325	
Thermal Arc®	TAF-2, TAF-4	
Trexim Sri®	MidiMig 140	
<b>H Hobart®</b>	Hobart®	Hobart Dual, 17
<b>L Lincoln®</b>	Lincoln®	LN-23-P, LN-25, LN-7 (2 & 4 Drive), LN-742, LN-742H, LN-9, LN-9 GMA, Synergic 7
<b>M Miller®</b>	Hobart®	IronMan 210, IronMan 250
	Miller®	Most models including: 60M, Cricket, Cricket XL, D-60, D-62, D-64; Millermatic 120, 130, 135, 150, 175, 185, 210, 250, 250MP, 90, Vintage; R-115, S-21E, S-22A, S-22P-12, S-22P8, S-300 Series (S-325), S-32P, S-32P-12, S-32P-8, S-32S, S-32SL, S-44GL, S-50 Series, S-60 Series, S-70 Series, Sidekick, Sidekick XL, Suitcase Feeders, SwingArcs
	Does not fit:	10 Series, 10E, 30 Series, 30A, 30B, 30E, 35, 35S, 70 Series, 70A, 80 Series, 80A, Migman 105, MM10A, MM35, MM35S, XRA ( <b>See Bernard Direct Plug for adaptor options</b> )
Olympic®		22-P, VS
<b>N National®</b>	Kobelco®	All Models
	National®	Most models
	Panasonic®	All Models

Direct Plug	Manufacturer	Model
<b>O OXO®</b>		AVC-8Q, AVC-30Q
<b>S TWECO® 4</b> (Lincoln® style lead)	Lincoln®	DH-10*, LN-10*, Power Feed 10*, Power Feed 10 Dual*, PRO 10*, STT10
<b>T TWECO® 4</b> (with 1/4" male spade leads)	ESAB®	MobileMaster
	Hobart®	Model 17, Digital 2000, Digital 2200 series, Migit 17, 2410, Beta-Mig 250, BetaMig 251, Dual-Digital, HMC-140, PortaFeed 1000, Pro Feed 412, Ultra Feed 1000, Beta-Mig 170, HMC-410, PortaFeed 17, Ultra-Feed 1000, Porta-Wire CC/CV
	Lincoln®	SP85, SP100, SP100T, SP125T, SP130T, SP160, SP170T, MigPak 10 and 55, WeldPak 100 PowerMig 255 and 300, SP 170, Wirematic 250 and 255, WeldPack 100
	OTC®	CMUS-511
	Pow Con®	PDP 1, PDVS1, Power Drive 1E
	Systematics®	FW112 (Air Products®)
	Thermal Arc®	180 GM, 210 GM, 250 GM, Digital 2000, Dual Digital 2000
<b>U TWECO® 4</b> (two prong twist-lock lead)	ESAB® NAS	MultiMaster 260, DuraDrive 4-30, DuraDrive 4-48
<b>W TWECO® 5</b> (with 1/4" male spade leads)		Feeders adapted to TWECO® style 3/4 dia power pin.

\* Feeder manufacturer offers different gun receiver bushings that will change the direct plug required. Please call for more information.

Supplemental technical information for Bernard direct plugs can be found in the *Direct Plug Kits Spec Sheet*.

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# W-Gun™ Water-Cooled MIG Gun Configurator

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### All Guns are Not Created Equal.

A MIG gun should be durable, easy to use and customized to your specific application. Our MIG guns put you in control: you choose the options you need and we'll build a gun to last.

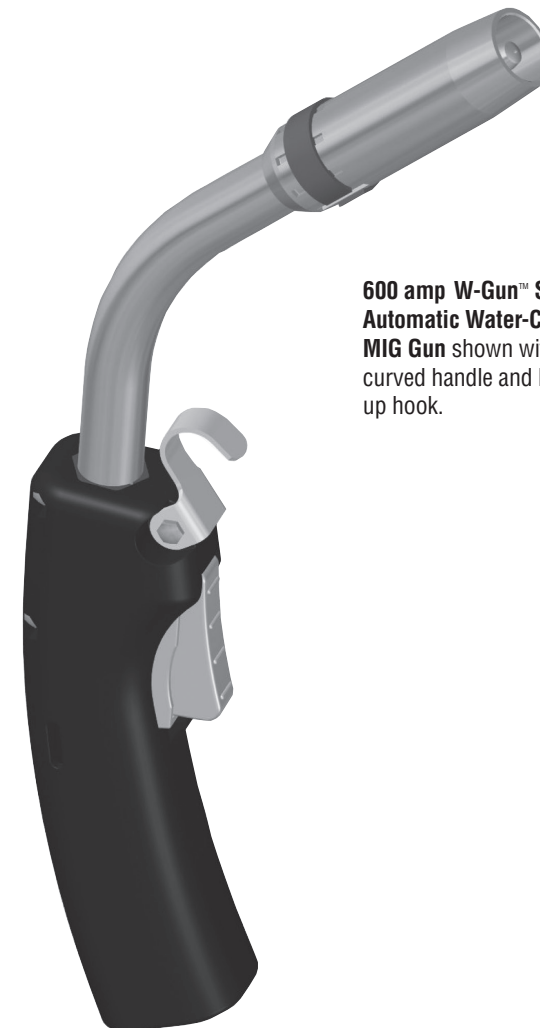
**Flexible cable assembly with reinforced synthetic rubber hoses** prevents water leakage and provides increased water flow and reduced gas leakage.

**Newly designed back end and water block with interchangeable direct plugs and trigger leads** connect to wire feeders and machines from most major manufacturers and allow for simple maintenance.

**Curved handle with multiple trigger options** to increase operator comfort.

**Heavy duty water-cooled necks** are offered in multiple length and bend configurations to allow for optimal weld accessibility and improved operator comfort.

**Contact tip options include Centerfire™, Quik Tip™ and Elliptical**, and are available in wire sizes from .023" (0.6 mm) to 3/32" (2.4 mm).



**600 amp W-Gun™ Semi-Automatic Water-Cooled MIG Gun** shown with curved handle and hang up hook.

### Bernard

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# Time to Choose Your Weapon.

## W-Gun™ Part Number

The part number shown here, **W6015AI8EM**, is an example of a typical configuration. It consists of a 600-amp water-cooled gun with a 15' cable, curved handle, standard trigger, medium 45° neck, Centerfire™ 0.045" contact tip and Miller-style direct plug.



W60

15

A

I

8

E

M

### Amperage

**W60** 600 amp  
max. wire size: 3/32" (2.4 mm)

### Cable Length

**08** 8 ft (2.44 m)  
**10** 10 ft (3.05 m)  
**12** 12 ft (3.66 m)  
**15** 15 ft (4.57 m)  
**20** 20 ft (6.16 m)  
**25** 25 ft (7.63 m)

### Handle and Trigger

#### Curved Handle

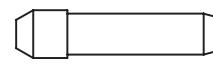
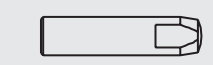

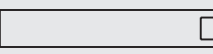


**A** Standard Trigger  
**B** Locking Trigger  
**C** Dual Pull Trigger  
**D** Dual Schedule Switch  
**E** Dual Schedule Switch w/ Lock

### Neck

<b>A</b>	Short 30°	WC2T2-30
<b>B</b>	Short 45°	WC2T2-45
<b>C</b>	Short 60°	WC2T2-60
<b>D</b>	Short 180°	WC2T-180-6
<b>H</b>	Medium 30°	WC2T3-30
<b>I</b>	Medium 45°	WC2T3-45
<b>J</b>	Medium 60°	WC2T3-60
<b>K</b>	Medium 180°	WC2T-180-8
<b>P</b>	Long 30°	WC2T4-30
<b>Q</b>	Long 45°	WC2T4-45
<b>R</b>	Long 60°	WC2T4-60
<b>S</b>	Long 180°	WC2T-180-10

### Contact Tip

**8** Centerfire™  
  
**7** Elliptical, 7400 series, 1.25" long, std.  
  
**5** QuikTip™  
  
**1** Elliptical, 1500 series, 2.00" long, HD  


### Wire Size

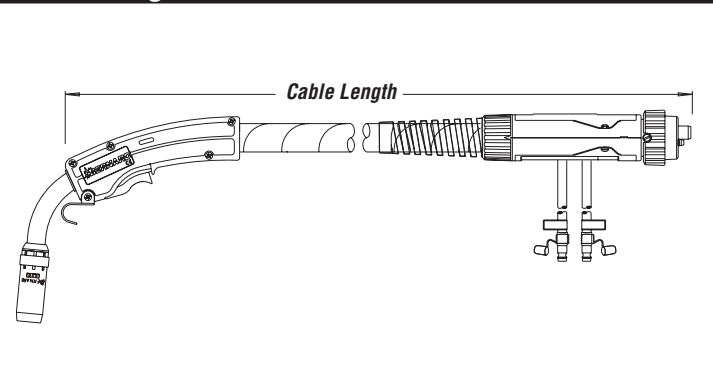
**A** 0.023" (0.6 mm)  
**B** 0.030" (0.8 mm)  
**C** 0.035" (0.9 mm)  
**D** 0.039" (1.0 mm)  
**E** 0.045" (1.2 mm)  
**H** 0.052" (1.4 mm)  
**I** 1/16" (1.6 mm)  
**K** 5/64" (2.0 mm)  
**L** 3/32" (2.4 mm)  
**Aluminum Wire Size**  
**Q** 0.035" (0.9 mm)  
**R** 3/64" (1.19 mm)  
**S** 1/16" (1.6 mm)

### Direct Plug

**B** Bernard®  
**E** Euro®  
**H** Hobart®  
**L** Lincoln®  
**M** Miller®  
**N** National®  
**O** OXO®  
**S** Tweco® 4 (Lincoln lead)  
**T** Tweco® 4 (std. lead)  
**U** Tweco® 4 (two prong twist-lock lead)  
**W** Tweco® 5 (std. lead)

See back page for help selecting direct plug.

### Cable Length Measurement Guide



Amp	Centerfire™ Consumables		Elliptical Consumables (7400 series tip)		Elliptical Consumables (1500 series tip)		Quik Tip™ Consumables	
	Diffuser	Nozzle	Diffuser	Nozzle	Diffuser	Nozzle	Diffuser	Nozzle
600 amp	DW-1	NW-3418C	5623	5627	5623	1110007	1070101	5627

Bernard Semi-Automatic Water-Cooled MIG Guns are fitted at the factory with the diffusers and nozzles in the table above.