

# GW-500

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## Water-Cooled MIG (GMAW) Welding Gun



### Quick Specs

#### Industrial Applications

Agri Equipment  
Construction  
Fabrication  
Heavy Manufacturing

#### Process

MIG (GMAW)  
Flux Cored (FCAW)

**Rated Output** 500 A with CO<sub>2</sub> gas or 450 A with mixed gas

**Duty Cycle** 100%

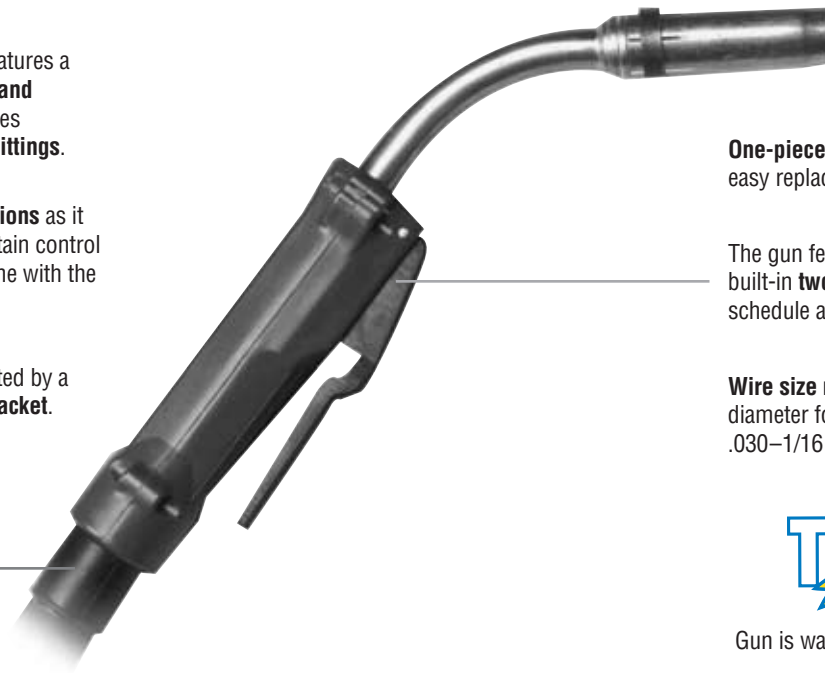
**Weight** 9–10 lb (4.1–5.4 kg) depending on gun

## The Power of Blue.®

Rugged industrial design features a **water-cooled power cable and gooseneck**. Gun also features “**quick-disconnect**” water fittings.

Ideal for **high-heat applications** as it allows the operator to maintain control away from the high-heat zone with the extended trigger.

All cables and hoses protected by a **durable lightweight outer jacket**.



**One-piece liner** for optimum feeding and easy replacement.

The gun features an **extended trigger** and built-in **two-position trigger switch** for dual schedule applications.

**Wire size range:** .030–3/32 in (0.9–2.4 mm) diameter for hard and flux cored wires, and .030–1/16 in (0.8–1.6 mm) for aluminum wire.



Gun is warranted for 90 days parts and labor.

## Specifications (Subject to change without notice.)

Model	Cable Length	Rated Output	Duty Cycle	Standard Wire Size	Weight
GW-500	10 ft (3 m)	500 A with CO <sub>2</sub> gas or 450 A with mixed gas	100%	.045–.052 in (1.2–1.4 mm)	9 lb (4.1 kg)
	15 ft (4.6 m)				10 lb (5.4 kg)

MADE IN **USA**



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## Genuine Miller Accessories

### Quick Disconnect Fitting #082 396

For quick connecting and disconnecting of water-cooled gun to water coolant system. Two fittings are included with each GW-500 gun.

### Water Hose Kit #096 746

Allows gun to be extended up to 10 ft (3 m) from coolant system. Includes two 10 ft (3 m) water hoses with brass couplers.

## Water Coolant Systems

**Coolmate™ 3 #043 007** 115 VAC

**Coolmate™ 3 #043 008** 230 VAC

**Coolmate™ V3 #043 009** 115 VAC

**Coolmate™ 4 #042 288** 115 VAC

Refer to Literature Index No. AY/7.2 for additional coolant system information.

## Consumables (Order from Miller Service Parts.)

Consumable	Stock No.
<b>Contact Tips</b>	
.030 in (0.8 mm)	#161 552
.035 in (0.9 mm)	#082 369
.035 in (0.9 mm) Chrome Zirconium*	#161 554
.045 in (1.2 mm)	#082 370
.045 in (1.2 mm) Chrome Zirconium*	#161 555
.052 in (1.3 mm)	#082 371
.052 in (1.3 mm) Chrome Zirconium*	#161 556
1/16 in (1.6 mm)	#082 372
1/16 in (1.6 mm) Chrome Zirconium*	#161 557
5/64 in (2.0 mm)	#082 373
3/32 in (2.4 mm)	#082 374
<b>Contact Tip Adapters</b>	
3/16 in (4.7 mm) recess. Standard with gun	#082 375
Flush	#082 376
<b>Nozzles</b>	
3/8 in (9.5 mm) orifice	#161 545
9/16 in (14 mm) orifice	#161 544
5/8 in (16 mm) orifice. Standard with gun	#082 378
3/4 in (19 mm) orifice	#082 377
<b>Replacement Steel Liners for 10 or 15 ft (3 or 4.8 m) Guns</b>	
.030-.035 in (0.8 and 0.9 mm)	#161 540
.045-.052 in (1.2 and 1.3 mm). Standard with gun	#161 541
1/16-5/64 in (1.6 and 2.0 mm)	#161 542
3/32 in (2.4 mm)	#161 543
<b>Replacement Inlet Wire Guides for Steel Liners</b>	
.030-.052 in (0.8-1.3 mm)	#161 550
1/16-3/32 in (1.6-2.4 mm)	#161 551
<b>Aluminum and Nickel Alloy Liner Kits (Optional)</b>	
.045-1/16 in (1.2-1.6 mm), 15 ft. Includes carbon teflon liner and inlet guide	#161 337

\*Longer-life contact tip for use with mild steel and stainless steel.

## Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
<b>GW-500</b>	#159 705	10 ft (3 m)		
	#159 709	15 ft (4.5 m)		
<b>Accessories</b>		See above		
Quick Disconnect Fitting	#082 396			
Water Hose Kit	#096 746			
Coolmate™ 3	#043 007	115 VAC		
	#043 008	230 VAC		
Coolmate™ V3	#043 009	115 VAC		
Coolmate™ 4	#042 288	115 VAC		
<b>Consumables (Order from Miller Service Parts.)</b>		See above		

Date:

Total Quoted Price:

Distributed by:

