

GA and GW Series

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**Air- and Water-Cooled Automatic
MIG (GMAW) Welding Guns**



Quick Specs

Applications
Automotive
Construction
Fabrication
Manufacturing

Process
MIG (GMAW)
Flux Cored (FCAW)

Rated Output GA-50A: 500 A
GW-60A: 600 A
GA-30A1: 300 A

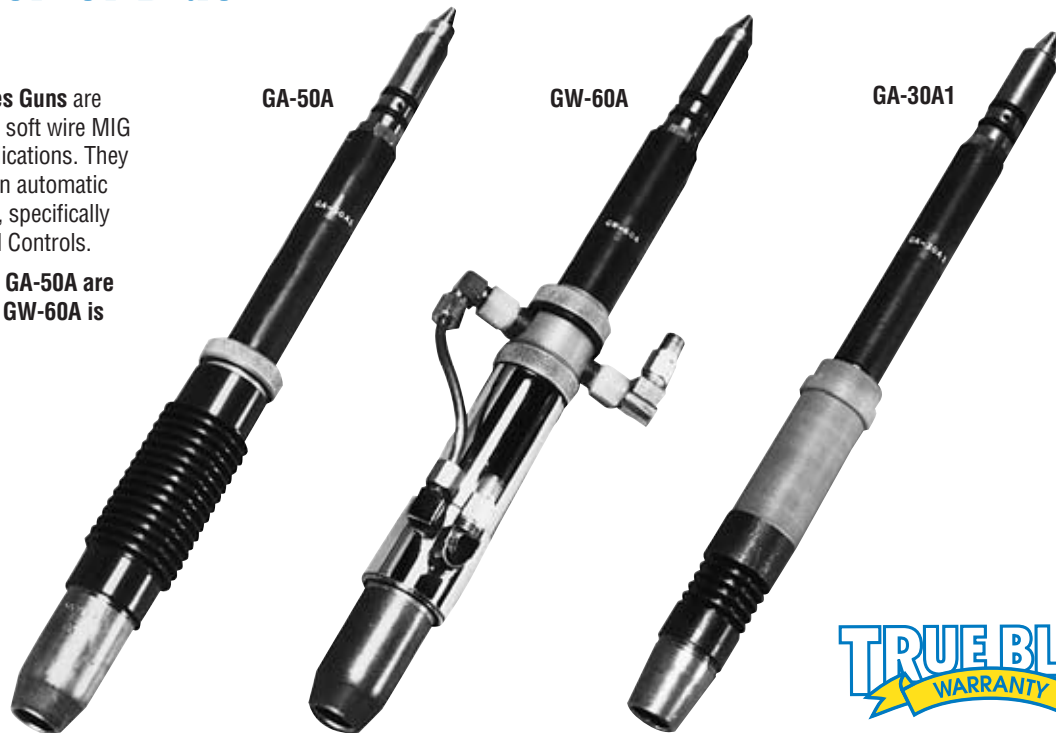
Duty Cycle 100% with CO₂ gas

Weight GA-50A: 35 oz (992 g)
GW-60A: 40 oz (1134 g)
GA-30A1: 20 oz (567 g)

The Power of Blue.®

The **GA and GW Series Guns** are designed for hard and soft wire MIG (GMAW) welding applications. They are intended for use on automatic MIG welding systems, specifically Miller Automatic Weld Controls.

The **GA-30A1** and the **GA-50A** are air-cooled, while the **GW-60A** is water-cooled.



Guns are warranted for 90 days parts and labor.

MADE IN **USA**
APPLETON, WI

Specifications (Subject to change without notice.)

Model	Wire Usage	Duty Cycle Using CO ₂	Length	Weight
GA-30A1 Air-Cooled Gun	Soft and Hard Wires	300 A at 100% *	11 in (270 mm)	20 oz (567 g)
GA-50A Air-Cooled Gun	Hard Wires	500 A at 100% *	11-1/2 in (292 mm)	35 oz (992 g)
GW-60A Water-Cooled Gun	Soft and Hard Wires	600 A at 100% (500 A using argon or argon mixed gas)	11-1/4 in (286 mm)	40 oz (1134 g)

*Derate gun 50% when using argon or argon mixed gas.



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Genuine Miller Accessories

Outlet Cables for Gas-Shielded Wire

Note: Required to connect gun to wire drive assembly for remote mounting.

#081 439 2-1/2 ft (0.75 m) cable

Includes standard 50 in monocoil liner for .030–.045 in hard wires and .045 in wire outlet guide

#081 443 5 ft (1.5 m) cable

Includes standard 80 in monocoil liner for .030–.045 in hard wires and .045 in wire outlet guide

#081 447 7-1/2 ft (2.3 m) cable

Includes standard 110 in monocoil liner for .030–.045 in hard wires and .045 in wire outlet guide

Liners for Outlet Cables

50 in Liners for Outlet Cable (#081 439)

#048 077* Monocoil for .030–.045 in hard wires

#082 223 Monocoil for 1/16–5/64 in hard wires

#048 062 Nylon for .030–.045 in soft wires

#048 066 Nylon for 1/16 in soft wires

80 in Liners for Outlet Cable (#081 443)

#048 075* Monocoil for .030–.045 in hard wires

#082 222 Monocoil for 1/16–5/64 in hard wires

#048 063 Nylon for .030–.045 in soft wires

#048 067 Nylon for 1/16 in soft wires

110 in Liners for Outlet Cable (#081 447)

#048 079* Monocoil for .030–.045 in hard wires

#082 225 Monocoil for 1/16–5/64 in hard wires

#048 064 Nylon for .030–.045 in soft wires

#048 065 Nylon for 1/16 in soft wires

*Standard liner.

Outlet Guides for Outlet Cables

#049 311 For .045 in (1.2 mm) wires

#079 970 For .030–1/16 in (0.8–1.6 mm) wires

#082 218 For 1/16–5/64 in (1.6–2.0 mm) wires

Outlet Cable Adapters

Note: Required to connect gun to outlet cable.

#094 748 For GA-30A1 gun

#120 257 For GA-50A and GW-60A guns

Consumables (Order from Miller Service Parts.)

Consumables	GA-30A1	GA-50A	GW-60A
Contact Tips			
.030 in (0.8 mm) soft wire	#050 638		
.035 in (0.9 mm) soft wire	#050 626		#056 821
3/64 in (1.2 mm) soft wire	#050 626		#092 887
1/16 in (1.6 mm) soft wire	#050 637		#056 823
.030 in (0.9 mm) hard wire	#149 149		
.035 in (0.9 mm) hard wire	#054 183	#056 821	#056 821
.045 in (1.2 mm) hard wire	#054 157	#056 822	#056 822
.052 in (1.3 mm) hard wire		#057 737	#057 737
1/16 in (1.6 mm) hard wire		#056 823	#056 823
5/64 in (2.0 mm) hard wire		#056 824	#056 824
3/32 in (2.4 mm) hard wire		#053 177	#053 177
7/64 in (2.8 mm) hard wire		#053 175	#053 175
1/8 in (3.2 mm) hard wire		#053 176	#053 176
Contact Tip Adapters			
.030 (0.8 mm) soft wire	#079 972		
.035–3/64 in (0.9–1.2 mm) soft wire	#079 972		#044 152
1/16 in (1.6 mm) soft wire	#079 972		#044 153
.030 in (0.8 mm) hard wire	#079 973*		
.035–.045 in (0.9–1.2 mm) hard wire	#079 973*	#080 749*	#044 152
.052–5/64 in (1.3–2.0 mm) hard wire		#080 748	#044 153*
3/32–1/8 in (2.4–3.2 mm) hard wire		#080 750	#044 151
Nozzles			
1/2 in (12.7 mm) orifice	#050 115		
5/8 in (16 mm) orifice	#050 622*	#075 659*	#075 659*
3/4 in (19 mm) orifice		#008 620	#008 620
13/16 in (21 mm) orifice	#050 116		
15/16 in (24 mm) orifice		#075 660	#075 660
Replacement Liners			
.030–3/64 in (0.8–1.2 mm) soft wire	#092 198		
1/16 in (1.6 mm) soft wire	#092 196		
.035–3/64 in (0.9–1.2 mm) soft wire			#088 643
1/16 in (1.6 mm) soft wire			#106 692
.030–.045 in (0.8–1.2 mm) hard wire	#092 197*		
.035–.045 in (0.9–1.2 mm) hard wire		#088 643*	#088 643
.052–5/64 in (1.3–2.0 mm) hard wire		#088 646	#088 646*
3/32–1/8 in (2.4–3.2 mm) hard wire		#088 698	#088 698
Outlet Guides			
.035–1/16 in (0.9–1.6 mm) soft wire			#047 555
.035–.045 in (0.9–1.2 mm) hard wire		#047 555*	#047 555
.052–5/64 in (1.3–2.0 mm) hard wire		#047 556	#047 556*
3/32–1/8 in (2.4–3.2 mm) hard wire		#080 755	#080 755

*Standard.

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
GA-30A1	#091 970	Air-cooled		
GA-50A	#044 085	Air-cooled		
GW-60A	#086 819	Water-cooled		
Accessories		See above		
Consumables (Order from Miller Service Parts.)		See above		

Date:

Total Quoted Price:

Distributed by:

