

400A AND 500AMP “COOL-GRIP” AIR-COOLED SEMI-AUTOMATIC TORCHES



The **NEW** “Cool-Grip” Semi-Automatic MIG welding torch has been designed for cooler operation.

American Weldquip’s “Heat Sink” gooseneck design effectively pulls heat from the front end consumables and radiates it back into the gooseneck outer jacket where it is dissipated. This unique design, which keeps consumables running cooler, is one reason why American Weldquip genuine consumables outlast other competitors.

The Cool-Grip has been engineered to increase welder comfort levels by providing relief from high temperatures in the handle when welding in higher heat applications.

The design allows for cooler operation by inhibiting the transfer of heat that is generated at the welding arc and pulled back into the handle area by way of the gooseneck.

All American Weldquip semi-automatic torches offer unsurpassed performance not found in competitive brands. High quality materials and workmanship go into each American Weldquip torch. Designed and engineered for fewer repairs, lower maintenance costs and increased consumable life insure a lower cost of ownership.

Demand genuine American Weldquip products to insure you get the best Service, Quality, Solutions and performance you expect.

The WELDQUIP ADVANTAGE

“HEAT SINK” Gooseneck Technology – The rugged gooseneck design effectively dissipates heat by providing a continuous metal to metal path from the nozzle to the front of the handle. The entire length of the outer jacket functions as a radiator pulling the heat from the front end consumables. The unique designs of the gooseneck, nozzle, diffuser, and contact tip function as a team to keep the front end consumables running cooler to insure longer life.

THREAD-ON NOZZLE – The heavy walled, nickel plated nozzles thread directly on the gooseneck to provide cooler operation and a longer lasting nozzle system. The course thread, fixed position design feature insures a constant tip to nozzles relationship and consistent welding parameters.

CONTACT TIPS – Heavy-duty, course threaded contact tips are designed to provide extended life and insure a superior electrical connection to the tip holder/diffuser.

ERGONOMICALLY DESIGNED HANDLE – LIFETIME WARRANTY - Operator comfort was given top priority in designing the lightweight yet durable two-piece handle.

COMMON CONSUMABLES– Most American Weldquip torches are designed to utilize the same consumables to help reduce your inventory of consumable parts.

TIME TESTED TRIGGER - LIFETIME WARRANTY – Our trigger assembly incorporates a light touch and proven reliable design. The simplicity of the design of this critical component insures its functional reliability. That is why we decided to offer a lifetime warranty on the switch contact components.

COAXIAL POWER CABLE - Manufactured to exacting American Weldquip specifications, our cable assembly is made from cut resistant, burn resistant, lightweight materials. The power cable features heavy duty factory crimped cable end fittings to insure a secure, positive electrical connection, producing less electrical resistance and less heat. All cables have two additional trigger leads for easy field repair should one lead get damaged. For optimum performance all power cable now utilize a HYTREL® core tube for cut, bend and kink resistance and to insure the best feedability characteristics in all applications.

SPRING CABLE SUPPORT – Heavy duty but flexible spring cable supports at both the front handle and wire feeder end of the cable assembly help prevent feedability problems in extreme bending applications and relieve cable strain which results in increased power cable life.

OPTIONS

DUAL/MULTI-SCHEDULE OPTION

The Dual Schedule allows the operator to change between two weld schedules. The Multi-Schedule is a momentary switch and can be used to increase or decrease through numerous preset weld schedules. Both options can be used to change schedules "on the fly".



EXTENDED TRIGGER OPTION

For increased personal welder comfort. Manufactured from Heavy-Duty Aluminum. Ensures durability and resists breaking as compared to plastic triggers.

HEAT SHIELD



GUN HANGER



GOOSENECK THERMAL SPRING



TORCH RATINGS

MODEL	RATED AMPERAGE	60% DUTY CYCLE		100% DUTY CYCLE	
		CO2	Mixed Gas(AG/CO2)	CO2	Mixed Gas(AG/CO2)
456CG	450	460A	425A	450A	400A
500CG	500	510A	475A	500A	450A
507CG	500	510A	475A	500A	450A

TORCH STANDARD CONFIGURATION CHART

GUN SERIES	DESCRIPTION	STD TIP SIZE	TIP PART #	DIFFUSER	NOZZLE BORE SIZE	NOZZLE PART #	INSULATING WASHER	LINER	GOOSENECK ANGLE
456CG	400 Amp Air-Cooled	.045(1.2mm)-M8	75045014	75004033	5/8"(15.9mm)	75146202-I	75001004	750XX228T	60°
500CG	500 Amp Air-Cooled	.045(1.2mm)-M8	75045014	75004033	5/8"(15.9mm)	75146202-I	75001004	750XX228T	60°
507CG	500 Amp Air-Cooled	.045(1.2mm)-M8	75045014	75004033	5/8"(15.9mm)	75157501-I	75001006	750XX228T	60°

HOW TO ORDER

456CG
 GUN SERIES
 CG – COOL-GRIP

15
 LENGTH

T5
 WIRE FEEDER PLUG

-ET
 OPTIONS

-A
 ALUMINUM

OPTIONS

ET – Extended Trigger
 DS – Dual Schedule Switch
 ID – Increase/Decrease Switch
 TS – Thermal Spring
 GL – Gasless Consumables

GUN HANGER -75000009 (Must be ordered separately)

HEAT SHEILD – 75000030 (Must be ordered separately)

** Specify wire size and or special configuration when ordering if not standard

WIRE FEEDER CONNECTION OPTIONS

B -	EURO	L -	LINCOLN® (LN7 STYLE)	M -	MILLER®
D -	OTC®/DAIHEN®	LU -	LINCOLN® UNIVERSAL	P -	PANASONIC®
DP -	OTC®/DAIHEN® DP SERIES	TL -	LINCOLN® POWER FEED 10	T -	TWECO®/HOBART® #4
K -	KOBELCO	W -	LINCOLN® WIREMATIC	T5 -	TWECO® #5