



Water-Cooled Curved MIG Guns

Semi-Automatic 55 Degree with External Casing

D/F MACHINE SPECIALTIES
 1750 Howard Drive
 North Mankato, MN 56003
 Phone: (507) 625-6200
 Fax: (507) 625-6203

WATER-COOLED SEMI-AUTOMATIC 55 DEGREE CURVED MIG GUN WITH EXTERNAL CASING

The 500 amp Water-Cooled Semi-Automatic 55 Degree Curved (External Casing) MIG 500 amp Overlay Gun assemblies use an axial alignment of the casing to reduce wire feed pressure and improve current tip life. A gun assembly with an extended handle (20") and slide switch is available for overlay applications and steel casting repairs. These hand-held curved torches utilize the same forward nozzle/gas nozzle assemblies and features of the pistol grip gun. This allows a flexible and low inventory of replacement parts due to interchangeability of these models. The torches run .035" through 1/8" hard/cored wire, and are ideal for welding with 3/64" through 3/32" aluminum wire. The trigger switch assembly is the momentary contact type. Also available is the optional button on/off switch. Both switches are positionable where desired on the torch for comfort and balance, and to escape reflective heat. The model HTCE-A uses water-cooled nozzles that accommodate gas nozzles 11/16" through 1" inner diameter for greater gas coverage.

Each D/F gun is fully assembled and ready to install. In order to make the installation complete, the code number, wire size and type, wire feeder make/model (Lincoln®, Miller®, TWECO®, ESAB®, EURO, etc.), and feeder adapter inlet as needed must be specified when ordering.

MODEL EXPLANATION

- NCC-E** - Normal Duty, Water-Cooled Collet Action (Slip-in Tip), Curved Gun - External Casing
- HTC-E** - Heavy Duty, Water-Cooled Threaded Tip (CuCrZr), Curved Gun - External Casing
- HTCE-A** - Heavy Duty, Water-Cooled Threaded Tip (CuCrZr), Curved, External Casing - Series A High Capacity

FEATURES

- Water-Cooled Inner Body & Nozzle
- Small Frontal Area for Hard-to-Reach Locations
- Nozzle Length may be Extended - Three (3) Different-Length W/C Nozzle Assemblies
- Standard 8" Body Tube & Positionable Trigger Switch
- Optional 20" Body Tube & Positionable On/Off Switch with Round Button

ORDERING INFORMATION (Standard Assemblies, External Casing)

DESCRIPTION	CODE NO.		
	10 Ft. Casing	12 Ft. Casing	15 Ft. Casing
Model NCC-E (Slip-In Tip)			
Short 3" Water-Cooled Nozzle	15356	15359	15362
Inter. 4" Water-Cooled Nozzle	15357	15360	15363
Long 5" Water-Cooled Nozzle	15358	15361	15364
Model HTC-E (Threaded Tip)			
Short 3" Water-Cooled Nozzle	15329	15332	15335
Inter. 4" Water-Cooled Nozzle	15330	15333	15336
Long 5" Water-Cooled Nozzle	15331	15334	15337

ORDERING INFORMATION (High Capacity Assemblies, External Casing)

DESCRIPTION	CODE NO.		
	10 Ft. Casing	12 Ft. Casing	15 Ft. Casing
Model HTCE-A (Threaded Tip)			
Series-A 3" Water-Cooled Nozzle (11142)	17224	17225	17226
Series-A 4" Water-Cooled Nozzle (11138)	17227	17228	17229
Series-A 5" Water-Cooled Nozzle (45127)	17230	17231	17232

ORDERING INFORMATION

(High Capacity Assemblies, External Casing, 20" Body Tube, On/Off Switch)

DESCRIPTION	CODE NO.		
	10 Ft. Casing	12 Ft. Casing	15 Ft. Casing
Model HTCE-A (Threaded Tip)			
Series-A 3" Water-Cooled Nozzle (11142)	17217	17218	17219
Series-A 4" Water-Cooled Nozzle (11138)	17220	17221	17222
Series-A 5" Water-Cooled Nozzle (45127)	17223	17223-12	17223-15

MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

Model	Current Capacity	Length w/ 3" Nozzle	Length w/ 4" Nozzle	Length w/ 5" Nozzle	Weight (approx.)	Cooling Required	Recommended Wire Diameter Range	Instruction Manual
NCC-E	400 amps	9.250"	10.250"	11.250"	2.5 lbs.	5 pints/min	.030"-1/8" Hard/Cored, 3/64"-3/32" AL	358NCC-E
HTC-E	500 amps	9.250"	10.250"	11.250"	2.5 lbs.			356HTC-E
HTCE-A	500 amps	9.250"	10.250"	11.250"	2.5 lbs.			373HTCE-A



D/F® is the registered trademark of D/F Machine Specialties, Inc. ABB®, Binzel®, BUG-O®, Daihen®, Esab®, Fanuc®, Fronius®, Hobart®, Kuka®, Lincoln®, Linde®, Mavrix®, Miller®, Motoman®, OTC®, Panasonic®, Pandjris®, Red-D-Arc®, Thermal Arc®, TWECO®, Welding Alloys®, and names of other manufacturers are registered trademarks of their respective companies. Those manufacturers mentioned in this catalog are for reference only. D/F Machine Specialties is in no way affiliated with these companies.