



Water-Cooled MIG Barrels

Automatic Machine Barrels

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

WATER-COOLED DIRECT MOUNT MIG BARRELS

The 500 amp Water-Cooled Direct Mount Machine Barrel is designed to be mounted directly to the wire feed drive. It may also be remotely mounted for automatic welding applications with optional accessories. The NCM-A/HTM-A (Series A) high capacity direct mount barrels are for nonferrous and ferrous welding applications where a higher capacity nozzle is required.

The model NCM has a current capacity 400 amps in argon shielding. This accommodates slip-in current tips fastened by a collet action nut. The wire diameter range is .030" through 1/8" with hard/cored wire, and 3/64" through 3/32" with aluminum wire.

The barrel model HTM has a current capacity range of up to 500 amperes. Ratings will be contingent on the combination of current tip and shielding gas to be used. The model HTM employs threaded CuCrZr (copper chromium zirconium) current tips and will accommodate .030" through 1/16" hard wire, .035" through 1/8" cored wire, and 3/64" through 3/32" aluminum wire.

The barrel models NCM-A (slip-in contact tip) and HTM-A (threaded contact tip) have the larger diameter water-cooled nozzle front end (1.445" outside diameter). These models have a current capacity range of up to 500 amperes. They are recommended for higher speeds, longer duty cycles, and larger diameter wire where more gas coverage is needed. The larger front end utilizes gas cups with an inner diameter from 11/16" to 1".

MODEL EXPLANATION

NCM - Normal Duty, Collet Action (Slip-In Tip), Machine Barrel

HTM - Heavy Duty, Threaded Current Tip, Machine Barrel

NCM-A - Normal Duty, Collet Action (Slip-In Tip), Machine Barrel, Series A High Capacity

HTM-A - Heavy Duty, Threaded Tip, Machine Barrel, Series A High Capacity

FEATURES

- Water-Cooled Inner Body & Nozzle
- Small Frontal Area for Hard-to-Reach Locations (NCM & HTM)
- Large Frontal Area for Increased Gas Coverage (NCM-A & HTM-A)
- Nozzle Length may be Extended by One of Three (3) Different Lengths W/C Nozzle Assemblies

ORDERING INFORMATION (Complete Assemblies - Standard Nozzle)

DESCRIPTION	CODE NO.			
	3 Ft.	4 Ft.	5 Ft.	6 Ft.
Model NCM (Slip-In Tip)				
Water-Cooled Nozzle Option				
Short 3" Water-Cooled Nozzle	17100	17103	17106	17109
Inter. 4" Water-Cooled Nozzle	17101	17104	17107	17110
Long 5" Water-Cooled Nozzle	17102	17105	17108	17111
Model HTM (Threaded Tip)				
Water-Cooled Nozzle Option				
Short 3" Water-Cooled Nozzle	17118	17121	17124	17127
Inter. 4" Water-Cooled Nozzle	17119	17122	17125	17128
Long 5" Water-Cooled Nozzle	17120	17123	17126	17129

ORDERING INFORMATION (Complete Assemblies - High Capacity Series-A Nozzle)

DESCRIPTION	CODE NO.			
	3 Ft.	4 Ft.	5 Ft.	6 Ft.
Model NCM-A (Slip-In Tip)				
Water-Cooled Nozzle Option				
Series-A Short 3" Water-Cooled Nozzle	17471	17472	17473	17474
Series-A Inter. 4" Water-Cooled Nozzle	17492	17493	17494	17495
Model HTM-A (Threaded Tip)				
Water-Cooled Nozzle Option				
Series-A Short 3" Water-Cooled Nozzle	17482	17483	17484	17485
Series-A Inter. 4" Water-Cooled Nozzle	17503	17504	17505	17506



ESAB/Linde
Feeder Adapter
D/F #13080



MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

Model	Current Capacity	Length w/ 3" Nozzle	Length w/ 4" Nozzle	Length w/ 5" Nozzle	Weight (approx.)	Cooling Required	Body Diameter	Recommended Wire Diameter Range	Instruction Manual
NCM/ NCM-A	400 amps	10.25"	11.25"	12.25"	2.5 lbs.	3 quarts/ min	1.625"	.030"-3/32" Hard/Cored, 3/64"-3/32" AL	550WM (NCM) 589WM (NCM-A)
HTM/ HTM-A	500 amps	10.25"	11.25"	12.25"	2.5 lbs.	3 quarts/ min	1.625"		550WM (HTM) 589WM (HTM-A)