



# Water-Cooled MIG Barrels

Automatic Docking Spool®/Weld Body Combination

D/F MACHINE SPECIALTIES  
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## WATER-COOLED AUTOMATIC DOCKING SPOOL®/WELD BODY COMBINATION MACHINE BARRELS

The 500 amp Direct Mount Docking Spool®/Weld Body Combination accommodates two (2) different sizes and five (5) different lengths of water-cooled nozzle assemblies. Whether you are running steel, metal cored, or aluminum wire, the correct torch can be chosen for a neat and clean installation, and for optimum performance for your application. This arrangement is readily adaptable to dedicated or automatic welding applications. The equipment consists of four (4) basic components: a Utility Station, an intermediate Utilities Combination assembly, a High Deposition Docking Spool®/Weld Body Combination, and a Water-Cooled Nozzle Assembly. The Docking Spool®/Weld Body Combination is the principal component in this welding equipment arrangement. It accepts the utilities at the top end of the Docking Spool® and provides a means of accepting the water-cooled nozzle assembly at the lower end. Several features important to a welding system are provided. Incorporated within the water channels of the Docking Spool® are check valves which provide a means of retaining residual water in the lines when the water-cooled nozzle assembly is removed from the Docking Spool®/Weld Body Combination. In addition a Posit® Ring is provided at the upper end of the Docking Spool® which allows positive location in a mounting bracket to maintain dimensional stability.

These welding assemblies are designated by models. The model NCM has a current capacity 400 amperes in argon shielding. These accommodate 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 model HTM has a current capacity range of 500 amperes. Rating will be contingent on the combination of current tip and shielding gas used. The model HTM employs threaded CuCrZr current tips. The wire diameter range is .030" through 1/8" with hard/cored wire, and 3/64" through 3/32" with aluminum wire.

### MODEL EXPLANATION

- NCM** - Normal Duty, Collet Action (Slip-in Tip), Machine Barrel
- NCM-A** - Normal Duty, Collet Action (Slip-in Tip), Machine Barrel - Series A High Capacity
- HTM** - Heavy Duty, Threaded Tip, Machine Barrel
- HTM-A** - Heavy Duty, Threaded Tip, Machine Barrel - Series A High Capacity

### FEATURES

- Water-Cooled Docking Spool® Body & Nozzle
- Small Frontal Area for Hard-to-Reach Locations
- Two (2) Different-Size W/C Nozzle Assemblies for Numerous Gas Cup IDs (7/16"-1")
- Nozzle Length may be Extended by Five (5) Different-Length W/C Nozzle Assemblies
- Withstands Preheat Upwards of 900 Degrees

### ORDERING INFORMATION (Complete Assemblies)

DESCRIPTION	CODE NO.	CODE NO.
Standard W/C Nozzle	NCM	HTM
Short 3"	40120	40140
Intermediate 4"	40121	40141
Long 5"	40122	40142
Long 8"	40131	40151
Long Reach 11"	40123	40143

Add Footage Digit to Code Number for Utility Length Required.  
 Example: Require 40120 with 4 Ft. Utilities - 40120-4

### ORDERING INFORMATION (Complete Assemblies)

DESCRIPTION	CODE NO.	CODE NO.
Series A W/C Nozzle	NCM	HTM
Short A3"	40125	40145
Intermediate A4"	40126	40146
Long A5"	40132	40152
Long A8"	40133	40153
Long Reach A11"	40127	40147

Add Footage Digit to Code Number for Utility Length Required.  
 Example: Require 40125 with 4 Ft. Utilities - 40125-4

### MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

Model	Current Capacity	Length w/ 3" Nozzle	Body Diameter	Weight (w/out Utilities)	Recommended Wire Diameter Range	Cooling Required	Instruction Manual
NCM, NCM-A	400 amp	7.25"	1.125"/1.445"	2.5-4.5 lbs.	.030"-1/8" Hard/Cored, 3/64"-3/32" AL	2.5 quarts/min	510
HTM, HTM-A	500 amp	7.25"	1.125"/1.445"	2.5-4.5 lbs.		2.5 quarts/min	510



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