



Water-Cooled MIG Barrel

1000 Amp "BIG MIG" Machine Barrel

D/F MACHINE SPECIALTIES
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WATER-COOLED "BIG MIG" 1000 AMP AUTOMATIC/ROBOTIC BARREL

The "BIG MIG" 1000 Amp High Current Density Machine Barrel is recommended for mechanized welding applications where production demands the maximum durability and quality for mechanized gas metal arc welding. The model NCM15 as provided will accommodate 4" slip-in current tips fastened by a collet action nut. The model HTM15 will accommodate 7/16" threaded current tips by utilizing a tip adapter nut. The water-cooled nozzle accepts threaded gas nozzles ranging from 3/4" through 1-1/4" inner diameter. This barrel is primarily for wire diameters from 1/16" through 7/32" (1.6mm through 5.6mm). The suggested current level for the models NCM15/HTM15 would be approximately 1000 amperes. Direct mounting is accomplished by connecting the torch to the welding head or wire drive using a feeder adapter. Remote mounting is accomplished by an insulated mounting bracket and utilizing a casing/conduit connected by an adapter to the torch and a feeder adapter to the wire drive.

The 1000 Amp "BIG MIG" models NCM15 & HTM15 machine torches are for high current density, single arc welding. If you are using the Linde ST-12 or Binzel AUT 750 and feel the need to have a larger, more robust torch that can carry more amperes with more water-cooling, the 1000 Amp "BIG MIG" is the torch for you. The "BIG MIG" can plug remotely into the Lincoln Electric, ESAB, and Miller wire feeders.

The "BIG MIG" has two Water Out & Power Cables, increasing the continuous duty cycle rating to 1000 amps. These ratings are, however, dictated by the contact tip. If your welding application requires 1/16"-1/8" wires, the "BIG MIG" HTM (threaded) heavy duty CuCrZr series of contact tips rated up to 1000 amps (continuous duty cycle) are adequate. When using wire sizes larger than 1/8" the "BIG MIG" NCM (slip-in) series of 7/16" contact tips, rated up to 1000 amps (continuous duty cycle), is required.

MODEL EXPLANATION

NCM15 - Normal Duty, Collet Action (Slip-In Tip), Machine Barrel

HTM15 - Heavy Duty, Threaded Tip, Machine Barrel

FEATURES

- Water-Cooled Inner Body and Nozzle
- Small Frontal Area for Hard-to-Reach Locations
- Heavy Duty Construction for Long Lasting Durability
- Withstands Extreme Conditions - 900° Preheat, 1000 Amps
- Torch Longevity - Years vs. Months

ORDERING INFORMATION (Complete Barrel Only)

DESCRIPTION	CODE NO.
Model NCM15/HTM15 "BIG MIG" W/C Machine Barrel	11620

ORDERING INFORMATION (Complete Assemblies)

DESCRIPTION	CODE NO.								
	2 Ft.	3 Ft.	4 Ft.	5 Ft.	6 Ft.	7 Ft.	8 Ft.	10 Ft.	12 Ft.
Model NCM15/HTM15	11622	11623	11624	11625	11626	11627	11628	11629	11630



MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

Model	Current Capacity	Length w/ 6" Nozzle	Body Diameter	Weight (approx.)	Cooling Required	Recommended Wire Diameter Range	Instruction Manual
NCM15	1000 amp	16"	2.375"	11.8 lbs.	1 gallon/min	1/16"-5/32" Hard/Cored 3/64"-7/32" AL	750
HTM15	1000 amp	16"	2.375"	11.8 lbs.	1 gallon/min		750

