



Water-Cooled Bore Torches

Small ID MIG Bore Torches

D/F MACHINE SPECIALTIES
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WATER-COOLED AUTOMATIC/ROBOTIC ID BORE TORCHES

The versatile MIG Water-Cooled Small ID Bore Torches can be used for a wide range of applications. These small inner diameter bore torches may be connected to all manufactures' wire feeders and power sources. With the various torch sizes, angles and lengths available, an ID torch selection may be made to suit individual requirements. These models are rugged, field-proven weld heads for use in small diameter pipe and other limited radial clearance applications. They are heavy duty in design and can withstand upwards of 600 degree preheat. These bore torches are designed to extend into as small as a 3" ID bore and weld by the GMAW process.

By welding the bore with a D/F small ID bore torch you can achieve a very even and consistent weld bead that can easily be machined out to fit the new pins or bushings, in contrast to welding by hand were you might have high and low spots that need extra machining or extra welding which takes time and money. Because of our superior water-cooling, the torches are design to withstand the extreme conditions and duty cycles. The D/F automated bore torches are superior to hand-welding. They are faster, provide smoother welds, and allow you to access hard-to-reach or small ID bores.

MODEL EXPLANATION

CTW - Curved, Threaded Current Tip, Water-Cooled

HTC-E - Heavy Duty, Threaded Current Tip, Curved, External Casing - Series-A High Capacity

FEATURES

- IDs From 3"-10", Diameters from .035"-1/8" Wire
- GMAW Process With Short Arc, Spray Transfer, Pulse Modes
- Weld in All Positions – Horizontal, Vertical, or Inverted
- Weld with All Base and Filler Metals
- 75% Time Reduction vs. Hand Welding
- More Consistent Weld Build-up
- Reduce Machining Time by Up to 50%
- Extend the Life of Consumables

ORDERING INFORMATION (Complete Assemblies)

DESCRIPTION	CODE NO.
Model CTW59 70°	15759
Model CTW67 70°	15767
Model CTW68 55°	15768
Model HTC-E 55°	15383

Add Footage Digit to Code Number for Utility Length Required.
 Example: Require 15759 with 10 Ft. Utilities - 15759-10



MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

Model	Current Capacity	Body Length	Body Diameter	Weight (approx.)	Cooling Required	Recommended Wire Diameter Range	Instruction Manual
CTW59 70°	450 amps	8"-32"	1.45"	2 lbs.	2 quarts/min	.035"	372
CTW67 70°	450 amps	8"-32"	1.45"	2 lbs.	2 quarts/min	.035"-.045"	370
CTW68 55°	450 amps	8"-32"	1.45"	2 lbs.	2 quarts/min	.035"-1/16"	389
HTC-E 55°	600 amps	8"-32"	1.5"	2.5 lbs.	5 pints/min	Up to 1/8"	371HTC-E

CTW59 70° for Small 3" ID Bore



8" - 32" Body Tube

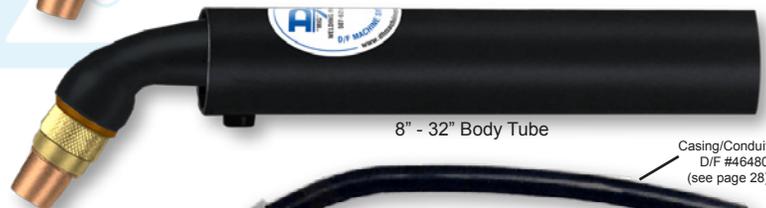
CTW67 70° for Small 4" ID Bore



8" - 32" Body Tube

Mounting Bracket
 D/F #14085
 (see page 32)

CTW68 55° for 5" ID Bore



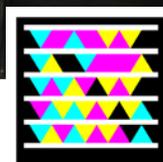
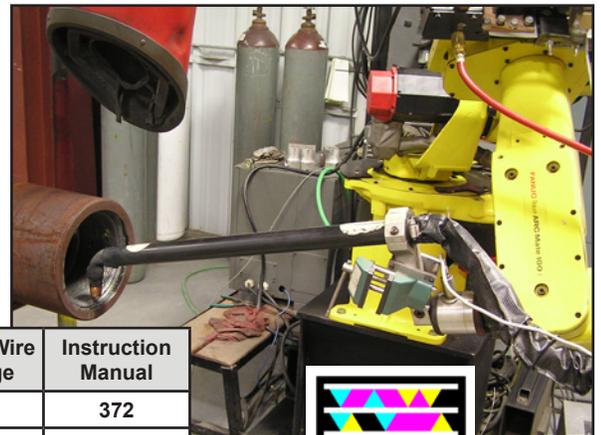
8" - 32" Body Tube

Casing/Conduit
 D/F #46480
 (see page 28)

HTC-E 55° for 10" ID Bore



8" - 32" Body Tube



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