

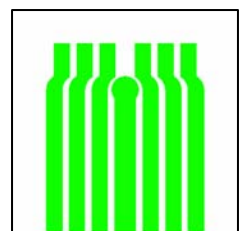
# MODEL BTH

## Tube End Sizer



This Tridan **Model BTH Tube End Sizer** is a hydraulically driven device that is specially designed for belling the end of heavy wall tubing. An electrical solenoid valve is used to control the hydraulic operation.

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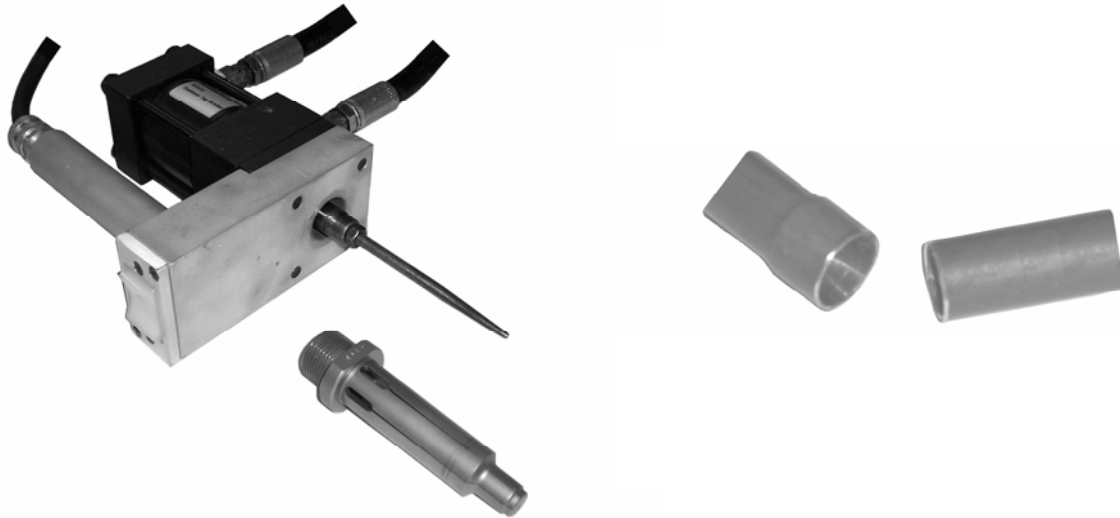
*Customer Driven Designs*

**Tube Expansion**

# TRIDAN MODEL BTH

The TRIDAN Model BTH-3 TUBE END SIZER is a portable hand-held device designed for the sizing of copper, mild steel, cupro-ickel, and red brass tubing of diameters 3/8" (9.525mm) to 3/4" (19.05mm). Its operation is extremely simple with the operator placing the specially designed expanding collet inside the tube end to be belled or sized, activating the thumb switch, and the tube end being belled to the pre-set inside diameter.

The Model BTH-3 Tube End Sizer is one of a family of four tube end sizers built by TRIDAN. Being hydraulically powered, it has an increased capacity for tubes of different materials with larger diameters and heavier wall thicknesses. One additional sizer in this family is the Model BTA-2 Tube End Sizer which is an air powered version of the BTH-3, and uses the same tube end sizing collets. We also offer the Models BFA-2V and BFA-2H Tube End Sizers/Flarers which are air operated tube end sizers, that size and flare the tube end.



## SPECIFICATIONS - MODEL BTH-3:

Tubes per Cycle	One(1)
Tube Material	Copper, Mild Steel, Cupro-Nickel,and Red Brass
Tube Wall Thickness*	.012" - .050" (0.3/1.27mm)
Tube OD / Sized Depth / Sized ID* (standard sizing collets) (special sizes available)	3/8" / 5/16" / .380" (9.5/7.94/9.65mm) 1/2" / 3/8" / .505" (12.7/9.5/12.83mm) 5/8" / 1/2" / .630" (15.88/12.7/16mm) 3/4" / 5/8" / .755" (19.1/15.9/19.2mm) 7/8" / 3/4" / .880" (22.23/19.1/22.35mm)
Average Cycle Time	5 Seconds
Collet Changeover Time	5 Minutes - approximate
Hydraulic Hose Length	12 Feet (3.6 Mtrs)

## PHYSICAL REQUIREMENTS:

Electrical	4 Amps at 230V/60Hz/1Ph
Hydraulic	1 Gal.(3.75L) of ISO 46 Hydraulic Oil. Tridan does not furnish this oil as a part of the basic machine, since the oil cannot be shipped in the machine. See Spare Parts for Hydraulic Oil.

## ESTIMATED SHIPPING WEIGHTS:

Basic Machine with Power Unit	105 Pounds (47.73Kgs)
Basic Machine less Power Unit	35 Pounds (15.91Kgs)