



TRI TOOL INC.

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TRI TOOL INC. TECHNICAL SPECIFICATION MODEL 204B BEVELMASTER™ SYSTEM FEBRUARY 2000

Model 204B BEVELMASTER™ System

The Model 204B BEVELMASTER™ Portable Lathe System is a portable I.D. mount machine tool for beveling, facing and counterboring the ends of pipe or tubing in preparation for welding. Special features include:

- Mandrel shaft head treated to Rc 50 for maximum strength and to minimize wear damage.
- Heavy duty tapered mandrel and spindle bearings.
- Mandrel shaft seal to keep coolants out of the gears.
- Heat treated mandrel mounting blocks for maximum life and secure mounting.
- Heavy duty air motor and gear reduction for optimum performance.

The Model 204B BEVELMASTER™ will secure to pipe and tubing having an inside diameter ranging from 1.25" (31.8 mm) through 4.33" (110.0 mm).

The Model 204B BEVELMASTER™ System comes complete with:

- Model 204 B Sub-Assy
- Head Kit, 4" Dia. w/cam
- Air Motor Assy.
- Mandrel Assy.
- Jaw Block Set
- Wrench Kit
- Carrying Case
- Operator's Manual

Design and Operating Features

1. The lathe accepts it's own torque through the mandrel
2. The expanding mandrel provides fast, accurate self-centering and alignment.
3. All wrenches needed for operation (less Tool Bits) are provided with the system.

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4. The lathe [at less then 18 lbs. (8.16 kg) is lightweight and is easily handled by one operator.

Specifications

1. Reference Envelope Drawing No.: 77-1557
2. Clearance and Dimensions
 - A. Maximum Rotating Head DIA 4.00" (101.6 mm)
 - B. Length (of machine) 8.97" (227.8 mm)
 - C. Available Feed Travel 1.50" (38.1 mm)
 - D. Length over motor 19.88" (505.0 mm)
3. Cutting Capacities
 - A. Basic Pipe Sizes
 - i. All schedules of 1 1/4" through 4" pipe. Some schedules may require optional equipment.
 - B. Basic Tube Sizes
 - i. Up to .531" (13.5 mm) wall tubing with a maximum O.D. of 4.50" (114.3 mm) and a minimum I.D. of 1.25" (31.7 mm) may be beveled with standard mandrel.
 - C. Wall Thickness Capacity
 - i. Wall thickness of all standard pipe schedules [.531" (13.5 mm) maximum] in the range listed. Contact Tri Tool for heavier wall procedures.
 - D. Counterboring Operations
 - i. The tool will counterbore pipe and tubing with an I.D. range of 1.50" (38.1 mm) to 4.33" (110.2 mm).
4. Material Cutting Capabilities
 - A. Mild steels, chrome steels (Rc 35 max.), stainless steel, copper-nickel and aluminum without limitations other than size and wall thickness as specified.

Accessories (Optional)

1. Mandrel Assembly, Reduced Dia., 1.00" (25.4 mm) to 1.25" (31.8 mm) range.
2. Mandrel Assembly, Reduced Dia., .610" (15.5 mm) to 1.00" (25.4 mm) range.
3. Flange Facer Kit
4. Elbow Mandrel Kit
5. Pointer Kit, Elbow Mandrel
6. Mandrel Assembly, Small Elbow
7. Air Caddy, FRL

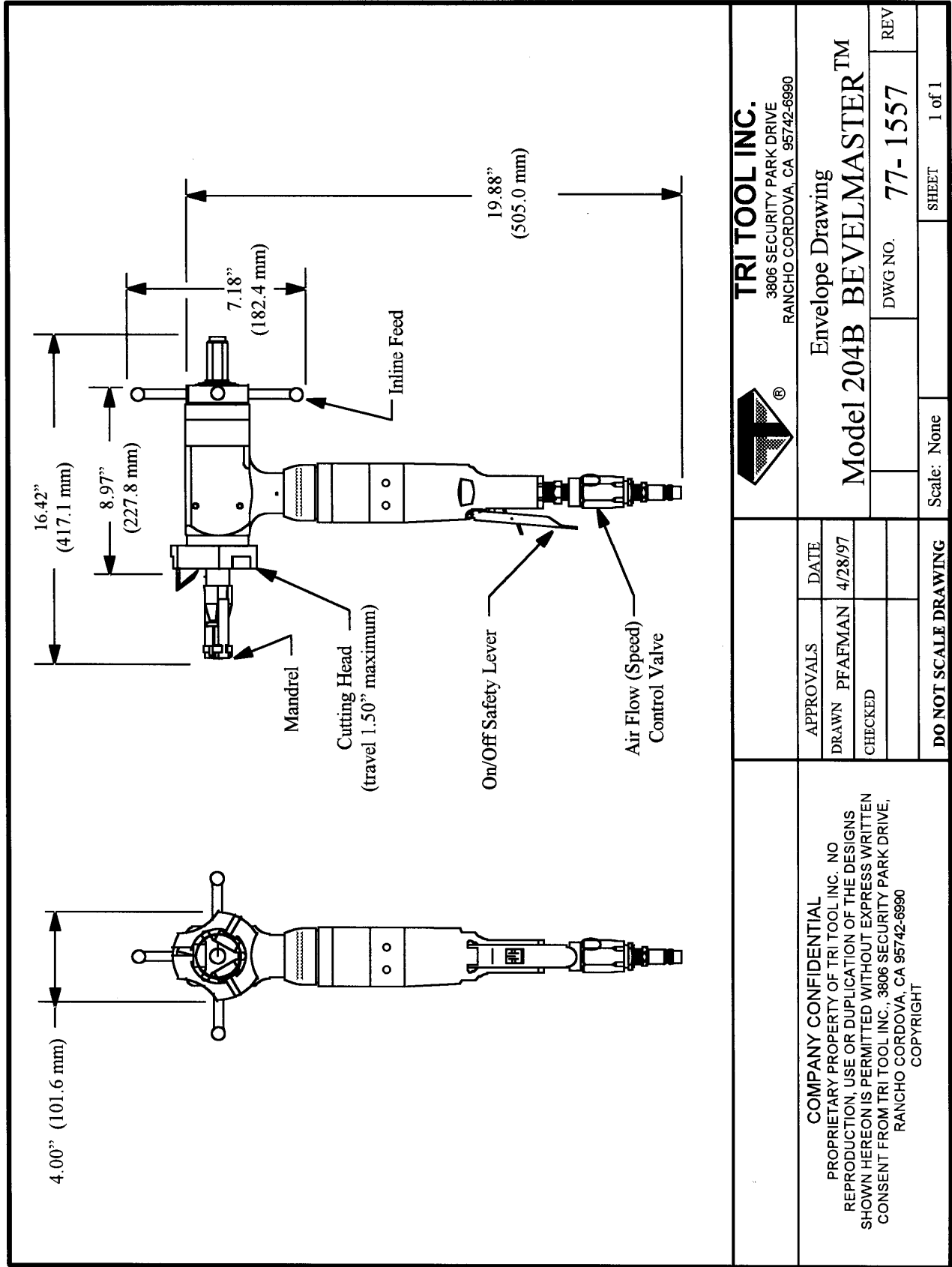
Note To The Customer

Spare Parts and Standard Tool Bits are available from stock. Engineering design services for custom tool bits and special function modifications are available from the factory.

All Tri Tool Inc. and allied equipment products are subject to design improvements and specification changes at any time with no obligation to units already sold.

Warranty (limited): Parts and equipment are warranted against defects in material and workmanship for a period of one (1) year from date of purchase. Full details supplied on request and/or with the tools.

Filter, regulator and lubricator are required to protect the warranty on air powered tools.



TRI TOOL INC.
 3806 SECURITY PARK DRIVE
 RANCHO CORDOVA, CA 95742-6990



Envelope Drawing
Model 204B BEVELMASTER™

REV	DWG. NO.	SHEET
	77-1557	1 of 1

APPROVALS	DATE
DRAWN PFAFMAN	4/28/97
CHECKED	

DO NOT SCALE DRAWING
 Scale: None

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