



# TRI TOOL INC.

## TRI TOOL INTERNATIONAL INC.

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TRI TOOL INC.  
TECHNICAL SPECIFICATION  
MODEL 206B BEVELMASTER™ MITER MANDREL KIT  
JANUARY, 2001

### Model 206B BEVELMASTER™ Miter Mandrel Kit

The Model 206B Miter Mandrel Kit is an accessory which is used to expand the versatility of the Model 206B BEVELMASTER™ by allowing in-situ setup on irregular pipe, fittings, elbows and valves. The Model 206B Miter Mandrel has the capability of 5° angular offset and .19" (4.8mm) parallel offset adjustment in any direction.

### The Model 206B Miter Mandrel Kit comes complete with:

- A. Mandrel Assembly
- B. Jackscrew Sets
- C. Jam Nuts
- D. Dial Indicator Kit
- E. Carrying Case
- F. Operator's Manual
- G. All required operator's wrenches

### Design and Operating Features:

1. The miter mandrel assembly can be set up in the bore before the 206B BEVELMASTER™ is installed onto the mandrel shaft.
2. The miter mandrel assembly has interchangeable jackscrews to allow configuring mandrel sub-assemblies for different inside diameter mounting ranges.
3. All angular and parallel offset adjustments are mechanically actuated.
4. The dial indicator kit is provided for fast precision setup and alignment of the miter mandrel assembly.

### Specifications:

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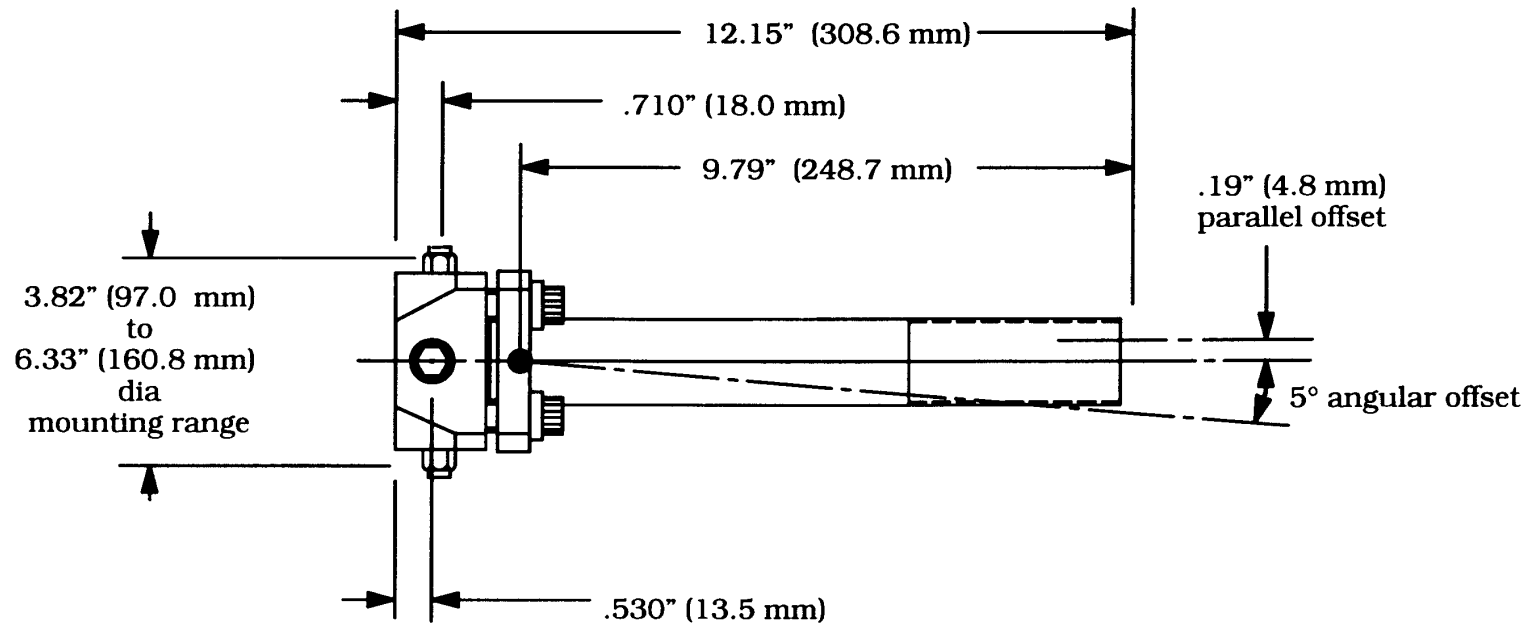
1. Reference Envelope drawing No. 77-1244
2. Pipe Holding Capacities:
  - a. Basic pipe sizes:
    - 4" schedule 40 and schedule 80
    - \*All schedules of 5" through 6" pipe
  
    - \*Not recommended for schedule 10 and lighter pipe.
  - b. Inside diameter mounting range: 3.82" (97.0mm) through 6.33" (160.8mm).
3. Mounting
  - a. Four (4) jackscrews provide a rigid, secure mount on irregular surfaces.
  - b. Jackscrews are actuated individually for centering in elbows.
4. Material: Hardened jackscrew swivels.
5. Adjustments:
  - a. Mechanical Angular offset adjustment up to 5° maximum in any direction, after the miter mandrel is secured to the workpiece.
  - b. Mechanical parallel offset adjustments up to .19" (4.8mm) in any direction, after the miter mandrel is secured to the workpiece.

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.

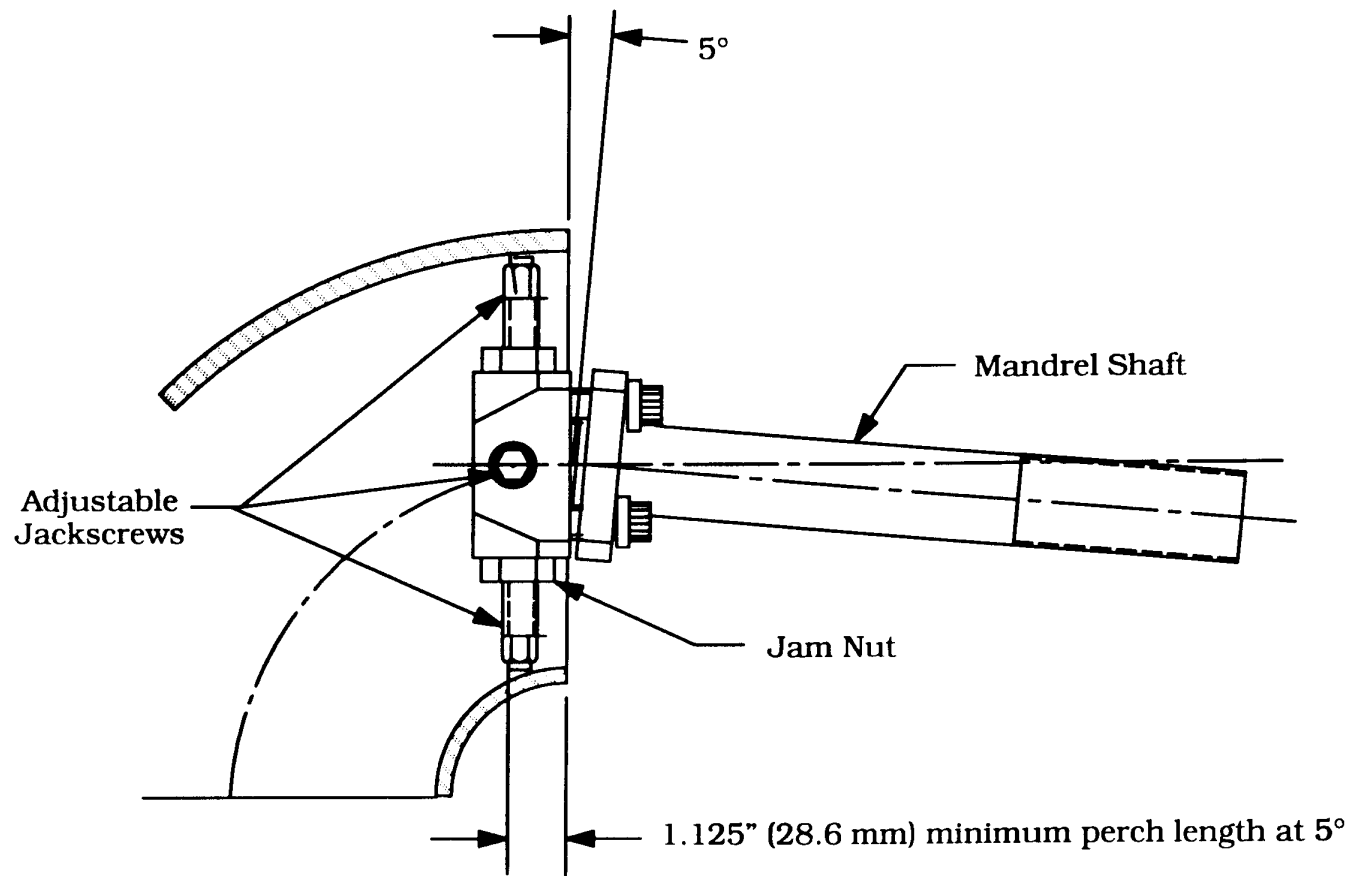
All TRI TOOL Inc. and allied equipment products are subject to design improvements and specification changes at any time with no obligation to units already sold.

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




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CONTRACT NO.		 <b>TRI TOOL INC.</b> <small>3806 SECURITY PARK DRIVE, RANCHO CORDOVA, CA 95742-6990</small>				
APPROVALS	DATE					
DRAWN	PFAFMAN	6/24/93	<b>Envelope Drawing</b> <b>Model 206B Miter Mandrel</b>			
CHECKED						
ISSUED			SIZE	FSCM NO.	DWG. NO.	REV.
<b>DO NOT SCALE DRAWING</b>			<b>A</b>		<b>77-1244</b>	
			SCALE	None	SHEET	1 of 2



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<b>DO NOT SC</b>		SCALE None	DWG. NO. <b>77-1244</b> REV.
<b>DRAWING</b>		SHEET <b>2 of 2</b>	