



TRI TOOL INC.

TRI TOOL INTERNATIONAL INC.

3806 Security Park Drive., Rancho Cordova, CA 95742-6990 U.S.A. 916-351-0144 800-345-5015 FAX 916-351-0372 ttcustserv@aol.com www.tritool.com

TRI TOOL INC.
TECHNICAL SPECIFICATION
MODEL 204B BEVELMASTER™ ELBOW MANDREL
OCTOBER, 1999

MODEL 204B BEVELMASTER™ ELBOW MANDRELS

The Model 204B Elbow Mandrel is provided to be used in conjunction with a Model 204B BEVELMASTER™, to allow for mounting within most elbows, weld neck flanges and pipe that have a short perch length requirement.

The Model 204B Elbow Mandrel Kit comes complete with:

- A. Elbow Mandrel Sub Assembly
- B. Head Assembly 1.45" dia. (36.8mm)
- C. Head Assembly 2.31" dia. (58.7mm)
- D. Plug
- E. Carrying Case
- F. Operator's Manual
- G. All required operator's wrenches

Design and Operation Features:

1. The elbow mandrel can be set up in the bore before the 204B is installed onto the mandrel shaft.
2. The mandrel heads have interchangeable contact pins to allow configuring mandrel sub-assemblies for different inside diameter mounting ranges.
3. Self-centering, push rod actuated locking.

Specifications:

1. Pipe Holding Capacities:
 - a. Basic Pipe Sizes
 - *1" schedule 5 through schedule 40
 - *1 1/4" schedule 5 through schedule 160.
 - *All schedules of 1 1/2" through 4 " pipe.
 - b. Inside Diameter Mounting Range:
Elbow Mandrel Kit
1.55" (39.4mm) through 4.50" (114.3mm)

- c. Inside Diameter Mounting Range:
 - ** Mandrel Assembly Small Elbow
 - 1.00" (25.4mm) through 1.56" (39.6mm)
 - * Not recommended for schedule 5 pipe.
 - ** Not included with the Elbow Mandrel Kit.
2. Mounting:
- a. .38" (9.7mm) axial length, 3 pin contact.
 - b. Manually actuated push rod expands contact pins.
3. Material:
- a. Hardened Steel contact pins.
4. Reference Envelope Drawing No. 77-1587

Optional Accessories:

- A. Small Elbow Mandrel Assembly (P/N 06-0417)
- B. Adjustable Centering Pin Kit for centerline adjustment of Mandrel Assembly (P/N 05-0355)
- C. Squaring Plate Kit (P/N 05-1330)

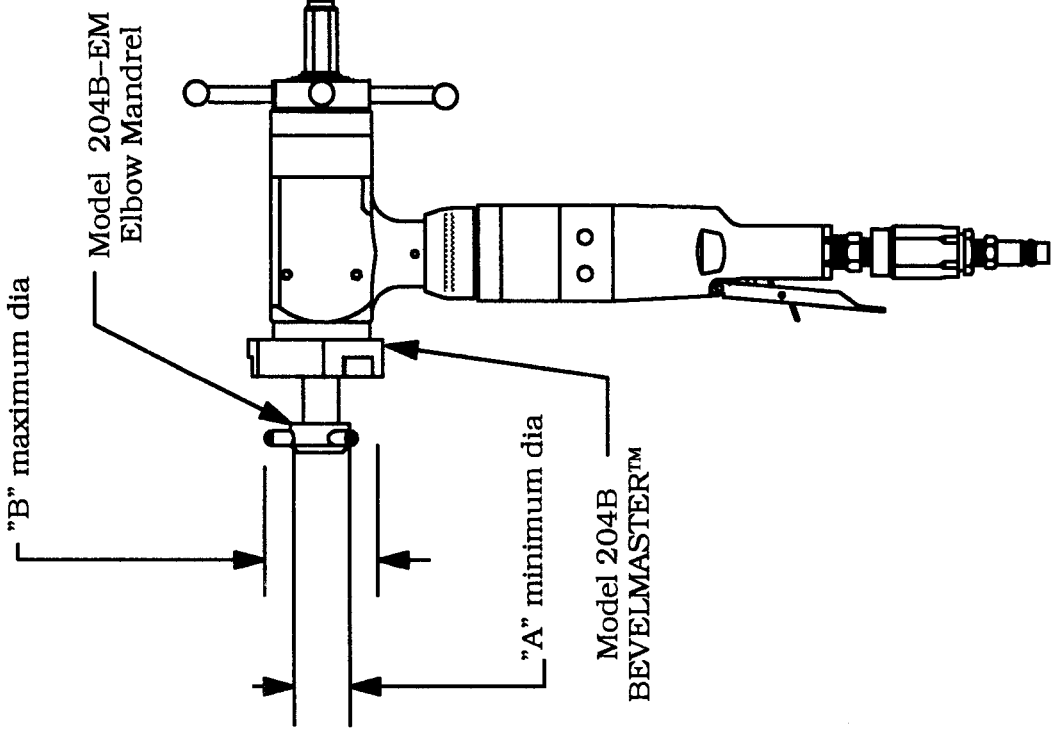
Spare parts and standard tool bits are available from stock.

Engineering design services for custom tool bits and special function modifications are available from the factory.

All Tri Tool 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.

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



Head Assy P/N	Contact Pin P/N	ID Mounting Range		Pin Length
		"A" dia minimum	"B" dia maximum	
06-0417	32-0370	1.00" (25.4 mm)	1.28" (32.5 mm)	.458" (11.6 mm)
	32-0371	1.27" (32.3 mm)	1.56" (39.6 mm)	.600" (15.2 mm)
	32-0372	1.55" (39.4 mm)	1.85" (47.0 mm)	.743" (18.9 mm)
	32-0373	1.84" (46.7 mm)	2.13" (54.1 mm)	.885" (22.5 mm)
	32-0374	2.12" (53.8 mm)	2.42" (61.5 mm)	1.028" (26.1 mm)
*21-0332	32-0375	2.41" (61.2 mm)	2.70" (68.6 mm)	1.170" (29.7 mm)
	32-0376	2.69" (68.3 mm)	2.99" (75.9 mm)	1.313" (33.4 mm)
	32-0377	2.98" (75.7 mm)	3.27" (83.1 mm)	1.455" (37.0 mm)
	32-0378	3.26" (82.8 mm)	3.56" (90.4 mm)	1.598" (40.6 mm)
	32-0379	3.55" (90.2 mm)	3.87" (98.3 mm)	1.740" (44.2 mm)
*21-0333	32-0498	3.88" (98.6 mm)	4.18" (106.2 mm)	1.893" (48.1 mm)
	32-0499	4.19" (106.4 mm)	4.50" (114.3 mm)	2.045" (51.9 mm)

*These two mandrel assemblies make up the elbow mandrel kit (P/N 05-0293)

COMPANY CONFIDENTIAL
 PROPRIETARY PROPERTY OF TRI TOOL INC.
 NO REPRODUCTION, USE, OR DUPLICATION OF THE
 DESIGNS SHOWN HEREON IS PERMITTED WITHOUT
 EXPRESS WRITTEN CONSENT FROM TRI TOOL INC.
 3806 SECURITY PARK DRIVE, RANCHO CORDOVA, CA 95742-6990
 COPY/RIGHT TRI TOOL INC.

CONTRACT NO.

APPROVALS	DATE
DRAWN PFAFMAN	8/14/97
CHECKED	
ISSUED	



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

Envelope Drawing
Model 204B-EM Elbow Mandrel

SIZE **A** FSCM NO. DWG. NO. **77-1587** REV.

SCALE **None** SHEET **1** of **1**

DO NOT SCALE DRAWING