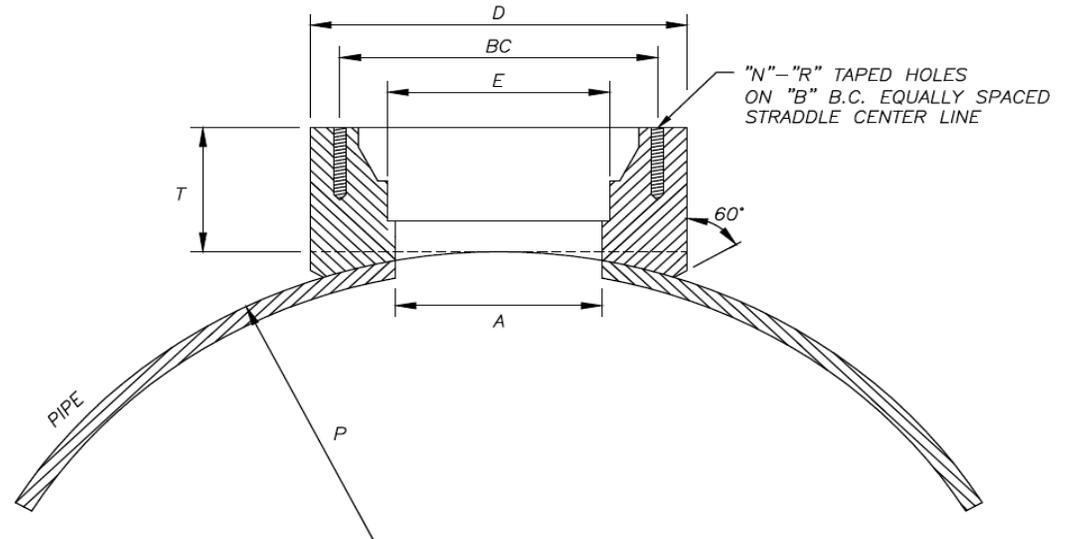


"A" OUTLET	"D" DIA	"B" BC	T MIN. THICKNESS	P PIPE SIZES	N (BOLT HOLES)	R Ø TAP SIZE	"E"
4.00	9.12	7.50	3.50	16"-48"	4	3/4"-10	4.90
6.00	11.12	9.50	3.50	30"-48"	6	3/4"-10	7.00
8.00	13.37	11.75	3.50	24"-60"	6	3/4"-10	9.15

ALL DIMENSIONS IN INCHES



MECHANICAL JOINT (TMJ) WELDED BOSS

**NOTES:**

- DI PIPE CENTRIFUGALLY CAST PER ANSI/AWWA C150/A21.50 & C150/A21.51 MIN PIPE CLASS 53  
FULLY HYDRO TESTED PER A21.51 STD.
- MJ BOSS OUTLETS RATED FOR 250 PSI WORKING PRESSURE
- BOSS MATERIAL: DUCTILE IRON ASTM A536
- WELDED PER ANSI/AWS D11.2.89 (R2006), GUIDE FOR WELDING IRON CASTINGS BY CERTIFIED WELDERS
- NI-ROD 55 ELECTRODE OR EQUIVALENT
- OUTLETS RECEIVE 15 PSI AIR TEST. CERTIFIED PRODUCT TEST REPORTS AVAILABLE PER ORDER BY REQUEST
- OUTLETS ARE AVAILABLE AS RADIAL TO THE PIPE AS SHOWN
- C&B PIPING HAS BEEN MANUFACTURING BOSSED OUTLETS SINCE 4/1/2001.
- C&B PIPING HAS A DOCUMENTED QUALITY MANAGEMENT SYSTEM (QMS)

**APPROVED FOR FABRICATOIN**

SIGNATURE
PRINT NAME
DATE SIGNED

Revision Schedule		C&B PIPING, INC.			
Rev.	Date	ARIZONA - ALABAMA - VIRGINIA			
	4/1/2001	 <b>BUILDING AMERICA TOGETHER</b>			
1	5/12/2006				
2	8/4/2011	CUSTOMER	MECHANICAL JOINT (TFS) WELDED BOSS SUBMITTAL		
		ENGINEER			
		PROJECT			
		LOCATION			
		DRAWN BY	SHEET NAME	PROJECT NO.	SHEET NO.
		DG	MJWELD BOSS		