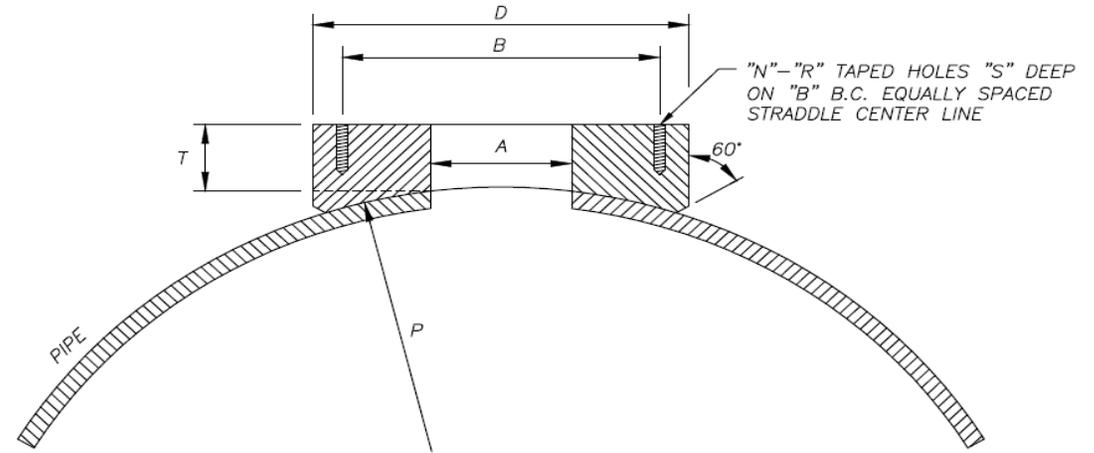


"A" OUTLET	"D" DIA	"B" BC	T MIN. THICKNESS	P PIPE SIZES	N (BOLT HOLES)	R Ø TAP SIZE	S Q TAP DEPTH
3	7.50	6.00	1.00	12" - 60"	4	5/8	5/8
4	9.00	7.50	1.00	16" - 60"	8	5/8	5/8
6	11.00	9.50	1.25	20" - 60"	8	3/4	3/4
8	13.50	11.75	1.25	24"-60"	8	3/4	3/4
10	16.00	14.25	1.50	36"-60"	12	7/8	7/8
12	19.00	17.00	1.50	36"-60"	12	7/8	7/8

ALL DIMENSIONS IN INCHES



FLANGED (TFS) 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.
- FLANGED 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	
1	4/1/2001		BUILDING AMERICA TOGETHER	
2	5/12/2006		CUSTOMER FLANGED (TFS) WELDED BOSS SUBMITTAL	
		ENGINEER		
		PROJECT		
		LOCATION		
		DRAWN BY	SHEET NAME	PROJECT NO.
		DG	FLG WELD BOSS	
				SHEET NO.