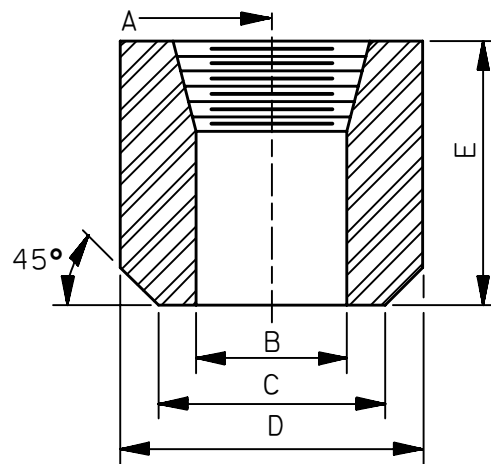


SAUDI ARABIAN OIL COMPANY

SIZE: AMERICAN STANDARD
B 1.20.1 TAPER PIPE THREAD

RATING: CLASS 3000 OWG.



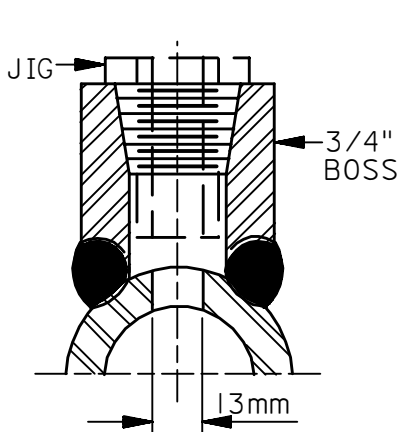
DIMENSIONS

A (IN.)	B (IN.)	C (mm)	D (mm)	E (mm)
1/4	" 7/16	15	32	40
1/2	" 45/64	21	38	50
3/4	" 29/32	27	44	50
1"	" 9/64	33	50	50
1 1/2	" 47/64	47	70	50
2"	" 13/64	59	82	50

TOLERANCES

A-ANSI, B 1.20.1	B- (DRILL SIZE) +0.39mm -0.13mm
C-±0.40mm	E-±1.5 mm
D=32mm ±0.40mm	OUT OF ROUND 0.58mm
D=38mm ±0.40mm	
D=44mm ±0.40mm	
D=50mm +0.80mm -0	OUT OF ROUND 0.89mm
D=70mm +1.20mm -0	
D=82mm +1.20mm -0	

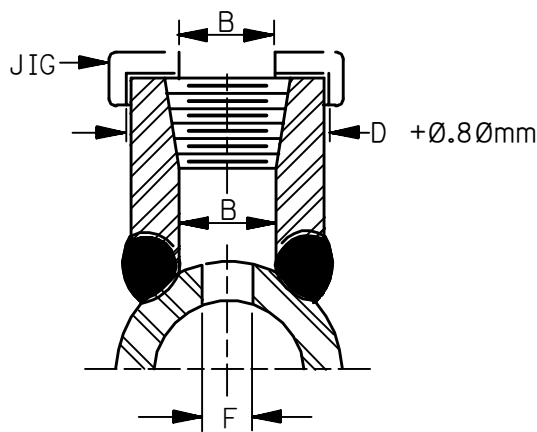
INSTALLATION



TYPE I

INSTRUMENT CONNECTIONS
FOR FLOW AND PRESSURE

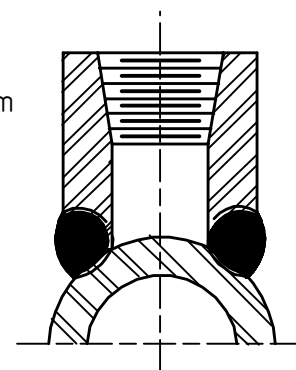
1. WELD BOSS TO PIPE OR VESSELS.
2. DRILL 13mm WITH JIG OR PILOT DRILL.
3. DEBURR INSIDE EDGE WITH HOOK SCRAPER.



TYPE II

THERMOWELLS AND OTHER
CONNECTIONS

1. WELD BOSS TO PIPE OR VESSELS.
2. DRILL SIZE F=B-0.80mm USE JIG TO PREVENT DAMAGE TO THREAD.



TYPE III

FOR MOUNTING
PURPOSES

NOTE: 1. EACH WELDING BOSS SHALL BE IDENTIFIED BY STAMPING PER ANSI B16.11
2. FOR SOCKET WELD CONNECTIONS SEE STD. DWG. AE-036643

TYPICAL INSTALLATION DRAWING

DRAWING TITLE	PLANT NO.	INDEX	DRAWING NO.	SHT. NO.	REV. NO.
DETAIL OF HEAVY WELDING BOSS FOR THREADED CONNECTIONS TO VESSELS AND LINES STD. DWG. METRIC	990	L	AE-036175	001	16
	J0/EW0-				