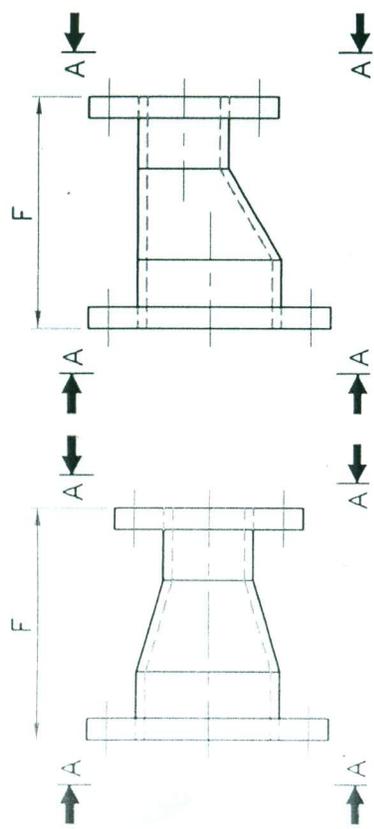


Properties of soft natural rubber
 Rubber Lining Thickness - 6mm
 Hardness : Shore A 40±5°
 Tensile Strength : 150 -180 kgf/cm²
 Sp. Gr. : 1.1 to 1.2
 Elongation : 450 % Min.
 Ash Content : 7% Max.
 Resilience : 60±5 %
 Abrasion Resistance : 65 mm³ at 10 N as per DIN 53516
 Adhesion : 3.6 Kg/CM as per IS:3400 Part V

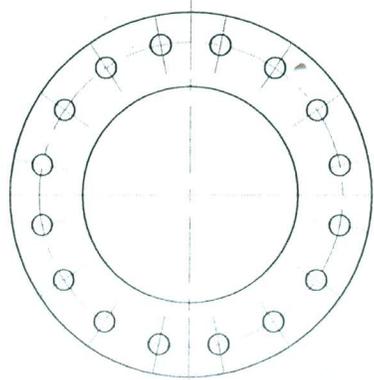


CONCENTRIC REDUCER

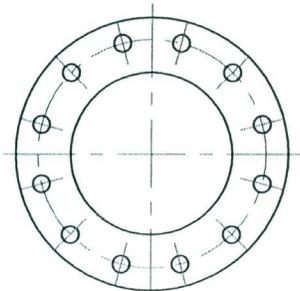
ECCENTRIC REDUCER

PIPE SIZE	THICKNESS
200 NB	4.5
250 NB	5.0
300 NB	5.6
400 NB	6.35

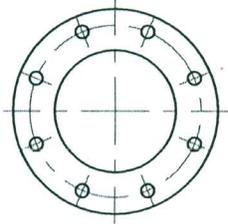
TABLE - A



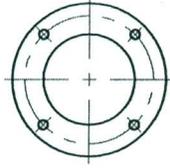
VIEW - A - A
FLANGES FOR PIPES
FROM 400 NB & ABOVE



VIEW - A - A
FLANGES FOR PIPES
FROM 250 TO 350 NB



VIEW - A - A
FLANGES FOR PIPES
FROM 100 TO 200 NB



VIEW - A - A
FLANGES FOR PIPES
UP TO 80 NB

PIPE	F	PIPE	F
32x25 NB	89	125x50 NB	165
40x25 NB	102	125x65 NB	165
40x32 NB	102	125x80 NB	165
50x25 NB	114	125x100 NB	165
50x32 NB	114	150x50 NB	178
50x40 NB	114	150x65 NB	178
65x25 NB	128	150x80 NB	178
65x32 NB	128	150x100 NB	178
65x40 NB/50 NB	128	150x125 NB	178
80x25 NB	128	200x80 NB	190
80x32 NB	128	200x100 NB	190
80x40 NB	128	200x125 NB	190
80x50 NB	128	200x150 NB	190
80x65 NB	128	250x100 NB	216
100x25 NB	140	250x125 NB	216
100x32 NB	140	250x150 NB	216
100x40 NB	140	250x200 NB	216
100x50 NB	140		
100x65 NB	140		
100x80 NB	140		

Note

- Lining confirming to IS 4682.
 - Welding should be done in autoclave.
 - Lining should be done with calendered sheet.
 - Final inspection will be done at our site.
- NOTE :-**
- ALL FLANGES ARE AS PER ANSI-B16.5, 150. FLAT FACE UNLESS OTHERWISE STATED.
 - ALL FLANGES SIZES OF 400 NB & ABOVE PLEASE REFER SKETCH FOR 90° ELBOWS
 - FOR FLANGES, BOLT HOLES ARE EQUALLY SPACED
 - REDUCER ARE TO BE MADE FROM ERW PIPES AS PER IS:1239-1 HEAVY GRADE UPTO 150 NB FOR SIZE 200 NB AND ABOVE FROM ERW PIPES AS PER IS:3589 WITH THICKNESS AS PER TABLE - A
 - ALL THE DIMENSIONS ARE EXCLUDING RUBBER LINING THICKNESS.



URANIUM CORPORATION OF INDIA LTD. TURAMDIH MINES
 (A GOVT. OF INDIA ENTERPRISE, DEPT. OF ATOMIC ENERGY)

DRN.	Rajesh	02.11.13	TITLE
CHECKED	N.K Nayak		CONCENTRIC & ECCENTRIC REDUCERS
APPROVED			
SCALE - NTS			
DIMENSIONS IN MM			

MATERIAL :- M.S. RL

1	01.05.14	HOLE DIRECTION CHANGED
REV	REV BY	DATE
DESCRIPTION		

DRG.NO.- UCT-2/MECH/PIPE/145

REV - 1