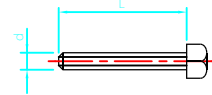


**RING & BLIND**



**JACK SCREW**

**NOTES**

- 1- DESIGNATION IN "SI" UNITS USED FOR NOMINAL DIA.
- 2- ALL THICKNESS VALUES AND DIMENSIONS ARE IN mm.
- 3- MATERIAL: CARBON STEEL A 516 GRADE 60.
- 4- THICKNESS "T" FOR ALL FLANGES ARE CALCULATED PER PARA 304.5.3 PAGE 28 OF THE ANSI B31.3-1990.
- 5- JACK SCREWS SHALL BE SQUARE HEADED, CAP POINT CASE HARDENED STEEL SETSCREWS, THREADED FULL LENGTH WITH UNC. CLASS 2A THREADS ON M27 & 8UN, CLASS 2A THREADS ON M33 AND LARGER.
- 6- PRESSURE BLINDS SHALL BE INDICATED ON FLOW DIAGRAMS & DESIGNED PER THIS DRAWING.
- 7- BLINDS ARE USUALLY INSTALLED AT BATTERY LIMITS & WHERE NECESSARY TO FACILITATE ISOLATION OF INDIVIDUAL OR GROUPS OF EQUIPMENT.
- 8- BLINDS SHALL BE LOCATED SO THAT THEY WILL BE READILY ACCESSIBLE, IF POSSIBLE PROVIDE PLATFORM AT TOWERS, HOWEVER, PLATFORMS SHALL NOT BE PROVIDED FOR INDIVIDUAL BLINDS UNDER ELEV. 6000 FROM GRADE.
- 9- BLINDS INSTALLED IN PIPEWAYS SHALL BE GROUPED TOGETHER IF POSSIBLE.
- 10- STAGGER BLINDS WHEN GROUPED IN HORIZONTAL OR VERTICAL RUNS.
- 11- FOR CORROSION ALLOWANCES MORE THAN 1.6 ADD TWO TIMES OF CORROSION ALLOWANCE TO THE BLANK THK. ACCORDING TO THE RELEVANT LINE SPEC.
- 12- ALL FLANGES SHALL BE SUPPLIED WITH TWO THREADED HOLES FOR JACK BOLTING DIA. OF TAPPED HOLES SAME AS JACK SCREWS SHOWN ON THIS DWG. JACK SCREW SHALL BE INSTALL ON HORIZONTAL.
- 13- PRESSURE BLIND IS POSSIBLE TO USED FOR TEST BLIND
- 14- DIMENSIONS "A" & "B" ARE ACCORDING TO MSS 5P 44 FOR PIPE LINE FLANGES.

PIPE SIZE		300# RF					
NPS	DN	DIM A	DIM B	DIM W	DIM T	JACK SCREW SIZE	d x L
26"	650	749	640	180	50	M27	x 175
28"	700	800	691	180	54	M27	x 175
30"	750	857	743	180	58	M27	x 175
32"	800	914	794	180	62	M33	x 185
34"	850	965	845	180	65	M33	x 185
36"	900	1022	895	180	69	M33	x 200
38"	950	1029	946	180	73	M33	x 200
40"	1000	1086	997	180	77	M33	x 220
42"	1050	1137	1048	180	80	M33	x 220
44"	1100	1194	1099	180	84	M33	x 235
46"	1150	1245	1149	180	88	M33	x 235
48"	1200	1302	1200	180	92	M33	x 255
52"	1300	1410	1302	180	100	M33	x 255
56"	1400	1518	1403	180	107	M33	x 300
60"	1500	1626	1505	180	115	M33	x 300

PIPE SIZE		600# RF					
NPS	DN	DIM A	DIM B	DIM W	DIM T	JACK SCREW SIZE	d x L
26"	650	749	640	180	69	M33	x 185
28"	700	800	691	180	75	M33	x 190
30"	750	857	743	180	81	M33	x 200
32"	800	914	794	180	86	M33	x 215
34"	850	965	845	180	92	M39	x 225
36"	900	1022	895	180	97	M39	x 230
38"	950	1054	946	180	102	M39	x 245
40"	1000	1111	997	180	108	M39	x 260
42"	1050	1168	1048	200	113	M39	x 270
44"	1100	1226	1099	200	119	M39	x 280
46"	1150	1276	1149	200	124	M39	x 290
48"	1200	1334	1200	200	129	M39	x 300
52"	1300	1435	1302	200	140	M42	x 320
56"	1400	1543	1403	200	151	M42	x 340
60"	1500	1657	1505	200	162	M42	x 375

PIPE SIZE		900# RF					
NPS	DN	DIM A	DIM B	DIM W	DIM T	JACK SCREW SIZE	d x L
26"	650	749	640	200	85	M42	x 245
28"	700	800	691	200	92	M42	x 255
30"	750	857	743	200	98	M42	x 265
32"	800	914	794	200	105	M45	x 285
34"	850	965	845	220	112	M45	x 300
36"	900	1022	895	220	118	M48	x 310
38"	950	1099	946	220	125	M48	x 350
40"	1000	1162	997	220	131	M48	x 350
42"	1050	1213	1048	220	138	M48	x 375
44"	1100	1270	1099	220	145	M48	x 375
46"	1150	1334	1149	220	151	M51	x 400
48"	1200	1384	1200	220	158	M51	x 410

REV	DESCRIPTION	DATE

IRANIAN PETROLEUM STANDARDS NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

RING AND BLIND DIM. FOR 26"(DN650) ~ 60"(DN1500) R.F. FLANGE

DATE	DRAWING No.	SHEET	REV.
	IPS - D - PI - 148	1	1