



STANDARDS

Face to Face Dimensions:	ANSI B16.10
End Flange Dimensions:	ANSI B16.5
Buttwelding Ends:	ANSI B16.25
Shell Wall Thickness:	API 600
Basic Design:	ANSI B16.34
Test:	API 598

Type of connection

RF and RTJ flange ends to ANSI B16.5 or API 605 and MSS SP44 standard.

BW flange ends to ANSI B16.25 standard.

Class 300

DN NPS	25 1	40 1 1/2	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16	450 18	500 20	600 24	700 28	750 30
L-L ₁ (RF-BW)	216 8.5	241 9.5	267 10.5	292 11.5	318 12.5	356 14	400 15.8	44.5 17.5	533 21	622 24.5	711 28	838 33	864 34	978 38.5	1016 40	1346 53.9	1499 59	1595 62.8
L ₂ (RTJ)	229 9	254 10	283 11.1	308 12.1	333 13.1	371 14.6	416 16.4	460 18.1	549 21.6	638 25.1	727 28.6	854 33.6	879 34.6	994 39.1	1035 40.8	1368 53.9	1524 60	1620 63.8
H	150 5.9	160 6.3	170 6.8	185 7.4	215 8.5	235 9.3	270 10.6	300 11.9	340 13.4	350 13.9	420 16.6	480 18.9	520 20.5	600 23.6	670 26.4	750 29.6	780 30.7	810 31.9
RF(kg)	10	12	21	24	39	60	80	90	175	210	286	700	774	1000	1273	1650	1725	1819
BW(kg)	8	10	15	17	30	50	60	68	145	180	260	490	640	850	1100	1400	1570	1700

MATERIAL LIST

NO.	Part Name	Carbon Steel		Alloy Steel			Stainless Steel			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Disc	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Disc Nut	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Hinge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
6	Hinge Pin	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
7	Gasket	Solid metal serrated gasket Stainless Steel and graphite spiral wound Non-metallic gasket								
8	Cover	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
9	Cover Bolt	A193 B7 A320 L7		A193 B16		A320 B8		A193 B8M		
10	Cover Nut	A194 2H		A194 4		A194 7		A194 8		
11	Washer	Carbon Steel, Alloy Steel or Stainless Steel								
12	Sealing face overlay	13Cr and 18Cr-8Ni or HF(Co-CrA)								

The material is according to ASTM standard.