



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 1500												
DN NPS	50 2	65 2 1/2	80 3	100 4	150 6	200 8	250 10	300 12	350 14	400 16	450 18	500 20
L-L ₁ (RF-BW)	368 14.5	419 16.5	470 18.5	546 21.5	705 27.8	832 32.8	991 39	-	-	-	-	-
L ₂ (RTJ)	371 14.6	422 16.6	473 18.6	549 21.6	711 28	841 33.1	1000 39.4	-	-	-	-	-
H	250 9.9	270 10.6	300 11.9	330 13	450 17.8	500 19.8	560 22.1	-	-	-	-	-
RF(kg) BW(kg)	69 60	93 78	120 90	235 185	540 450	949 785	1275 1065	-	-	-	-	-

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.