



## 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 600													
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	600 24
L-L <sub>1</sub> (RF-BW)	292 11.5	330 13	356 14	432 17	559 22	660 26	787 31	838 33	889 35	991 39	1092 43	1194 47	1397 55
L <sub>2</sub> (RTJ)	295 11.6	333 13.1	359 14.1	435 17.1	562 22.1	664 26.1	791 31.1	841 33.1	892 35.1	994 39.1	1095 43.1	1200 47.3	1407 55.4
H	175 6.9	200 7.9	230 9.1	295 11.6	360 14.3	400 15.8	460 18.1	520 20.5	560 22.1	650 25.6	730 28.8	800 31.5	900 35.5
RF(kg) BW(kg)	28 20	38 30	55 42	87 65	207 145	354 280	580 490	790 670	892 752	1200 1020	1600 1350	2420 2050	3150 2720

# 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.