



## 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 150

DN NPS	15 1/2	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 <sub>1</sub> (RF-BW)	108 4.3	127 5	165 6.5	203 8	216 8.5	241 9.5	292 11.5	330 13	356 14	495 19.5	622 24.5	699 27.5	787 31	864 34	978 38.5	978 38.5	1295 51	1448 57	1524 60
L <sub>2</sub> (RTJ)	119 4.7	140 5.5	178 7	216 8.5	229 9	254 10	305 12	343 13.5	368 14.5	508 20	635 25	711 28	800 31.5	876 34.5	991 35	991 39	1308 51.5	1461 57.5	1537 60.5
H	130 5.1	140 5.5	150 6	170 6.8	180 7.1	185 7.4	215 8.5	240 9.5	280 10.3	300 11.9	350 13.9	400 15.8	450 17.8	480 19	540 21.3	600 25.6	680 26.8	710 28	790 31.1
RF(kg)	7	8	11	15	23	33	44	69	78	137	207	279	428	555	775	835	1300	1450	1620
BW(kg)	6	7	8.5	12	16	24	34	57	63	122	175	229	368	483	685	720	1150	1300	1450

# 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.