



## 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 900												
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 <sub>1</sub> (RF-BW)	368 14.5	419 16.5	381 15	457 18	610 24	737 29	838 33	965 68	1029 40.5	1130 44.5	1219 48	1321 52
L <sub>2</sub> (RTJ)	371 14.6	422 16.6	384 15.1	460 18.1	613 24.1	740 29.1	841 33.1	968 33.1	1038 40.9	1140 44.9	1232 48.5	1334 52.5
H	250 9.9	270 10.6	280 11	310 12.3	380 15	430 17	480 18.9	560 22	630 24.9	700 27.6	750 29.6	850 33.5
RF(kg) BW(kg)	69 60	72 65	85 70	145 120	310 265	500 385	772 600	1080 860	1380 1140	1810 1510	2400 2050	3500 3100

# 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.