



STANDARDS

Design and manufacture: API 6D API 608, ANSI B16.34 or
BS 5351

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Test: API 6D or API 598

Type of connection

RF and RTJ flange ends to ANSI B16.5 standard.

BW flange ends to ANSI B16.25 standard

Type of operation

Lever

Connection dimensions of Worm Gear actuator, Electric actuator,
Pneumatic actuator to ISO 5211 standard.

Anti-static constructions "AS" and Fire-resistant constructions "FD".

CLASS 300										
DN	15	20	25	40	50	65	80	100	150	200
NPS	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8
L(RF)	140	152	165	190	216	241	283	305	403	502
	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	15.88	19.75
L(BW)	140	152	165	190	216	241	283	305	457	521
	5.5	5.98	6.5	7.48	8.5	9.5	11.13	12	18	20.5
L ₂ (RTJ)	151	164.7	177.7	202.7	232	257	298	321	419	518
	5.95	6.48	7	8	9.13	10.13	11.75	12.63	16.5	20.38
H	59	63	75	107	153	165	195	213	272	342
	2.3	2.5	2.95	4.2	6.02	6.5	7.68	8.39	10.7	13.5
Do(W)	130	130	160	230	400	400	600	850	1100	1500
	5.1	5.1	6.3	9	15.74	15.74	23.62	33.46	43.3	59
RF(kg)	2.5	3.5	5.5	10.5	20	25	31	52	118	200
BW(kg)	2.1	3	4.8	8.7	17	22	28	48	105	185

MATERIAL LIST

NO.	Part Name	Carbon Steel		Stainless Steel			
		WCB	LCB	CF8	CF8M	CF3	CF3M
1	L-body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	R-body	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Ball	A105/Ep.Cr	A182 F304	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Seat Ring	PTFE or POM					
6	Gasket	PTFE or Stainless Steel and Graphite					
7	Stem seat	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
8	Small spring	.17-17PH (Inconel for NACE) Ni-Cr Alloy					
9	Small ball	A182F304		A182F316			
10	Gland	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L
11	Gland flange	A216 WCB	A352 LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Stem packing	PTFE or Graphite					
13	Bonnet Bolt	A193B7		A320L7	A320B8	A193B8M	
14	Bonnet Nut	A194 2H		A194 4	A194 8		

The material is according to ASTM standard.