



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 150												
DN	15	20	25	40	50	65	80	100	150	200	250	300
NPS	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
L(RF)	108	117	127	165	178	191	203	229	394	457	533	610
	4.25	4.8	5	6.5	7	7.5	8	9	15.5	18	21	24
L ₁ (BW)	140	152	165	190	216	241	283	305	457	521	559	635
	5.5	6	6.5	7.48	8.5	9.5	11.13	12	18	20.5	22	25
L ₂ (RTJ)	119	129.7	139.7	178	191	203	216	241	406	470	546	622
	4.89	5.11	5.5	6.9	7.5	8	8.5	9.5	16	18.5	21.5	24.5
H	59	63	75	95	153	165	195	213	272	342	495	580
	2.3	2.5	2.95	3.74	6.02	6.5	7.68	8.39	10.7	13.5	19.5	22.85
Do(W)	130	130	160	230	400	400	600	850	1100	1500	*350	*350
	5.1	5.1	6.3	9	15.74	15.74	23.82	33.46	43.3	59	13.8	13.8
RF(kg)	2.3	3	4.5	7	15	20	25	40	97	160	240	390
BW(kg)	2.0	2.5	3.8	5.8	12	17	21	36	92.8	154	227	365

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.