



Two-piece body

Standards

Design and manufacture: API 6D API 608,
ANSI B16.34 or BS 5351
Face to face dimensions: ANSI B16.10
Pressure-Temp Ratings: ANSI B16.34
Test: API 6D or API 598

Type of connection

RF and RTJ flange ends to ANSI B16.5 or
API 605 and MSS SP-44 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"

MATERIAL LIST

Part Name	Carbon Steel			Stainless Steel			
	WCB	LCB		CF8	CF8M	CF3	CF3M
Body	A216 WCB A105	A352 LF2		A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
L-body	A216 WCB A105	A352 LCB A350 LF2		A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
R-body	A216 WCB A105	A352 LCB A350 LF2		A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Ball	A105/Ep.Cr	A182 F304		A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Stem	A182 F6	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Seat	A182 F6	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Seat Ring	PTFE,POM or HF(Co-CrA)						
Gasket	PTFE or Flexible Graphite and stainless Steel						
O-Ring	VITON	VITON		VITON	VITON	VITON	VITON
Trunnion	A182 F6	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Spring	AISI 6150 17-17PH(inconel for NACE)Ni-Cr Alloy						
Drain plug	A182 F6	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Bolt	A193 B7 A320 L7 A193 B8A193 B8M						
Stem beating	PTFE or Stainless Steel and Graphite						
Stem seat	PTFE	PTFE		PTFE	PTFE	PTFE	PTFE
Small spring	17-17PH(inconel for NACE)Ni-Cr Alloy						
Small ball	A182 F304 A182 F316						
Trunnion beating	PTFE or Stainless Steel and Graphite						
Plug	A105	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Spring seat	A105	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Bonnet Bolt	A193 B7 A320 L7 A320 B8A193 B8M						
Bonnet Nut	A194 2H A194 4 A194 8						
Pin	Carbon Steel or Alloy Steel						
Gland	A182 F6	A182 F6		A182 F304	A182 F316	A182 F304L	A182 F316L
Gland flange	A216 WCB	A352 LCB		A351 CF8	A351 CF8M	A351 Cf3	A351 CF3M
Stem packing	PTFE or Flexible Graphite						
Bonnet	A216 WCB A105	A352 F6 A350 LF2		A351 CF8	A351 CF8M	A351 CF3	A351 CF3M

The material is according to ASTM standard

DIMENSIONS AND WEIGHTS

		CLASS 150													
DN NPS	mm in	50	65	80	100	150	200	250	300	350	400	450	500	600	700
		2	2-1/2	3	4	6	8	10	12	14	16	18	20	24	28
L(RF)	mm	178	191	203	229	394	457	533	610	686	762	864	914	1067	1245
	in	7	7.5	8	9	15.5	18	21	24	27	30	34	36	42	49
L1(BW)	mm	216	241	283	305	457	521	559	635	762	838	914	991	1143	1346
	in	8.5	9.5	11.13	12	18	20.5	22	25	30	33	36	39	45.5	53
L2(RTJ)	mm	191	203	216	241	406	470	546	622	699	775	876	927	1080	
	in	7.5	8	8.5	9.5	16	18.5	21.5	24.5	27.5	30.5	34.5	36.5	42.5	
H	mm	153	165	195	213	272	342	495	580	625	720	790	840	1050	1150
	in	6.05	6.5	7.68	8.39	10.7	13.5	19.5	22.85	24.6	28.35	31	33.1	41.34	45.3
Do(W)	mm	400	400	600	850	1100	1500	*350	*350	*600	*600	*800	*800	*800	*800
	in	15.74	15.74	23.62	33.46	43.3	59	13.8	13.8	23.6	23.6	31.5	31.5	31.5	31.5
RF	Kg	15	19	38	65	97	160	240	390	510	750	895	1190	2100	3000
BW	Kg	13	17	35	55	92.8	154	227	365	478	711	868	1138	2015	2900