



M. A. Stewart & Sons Ltd.
VALVES AND FITTINGS

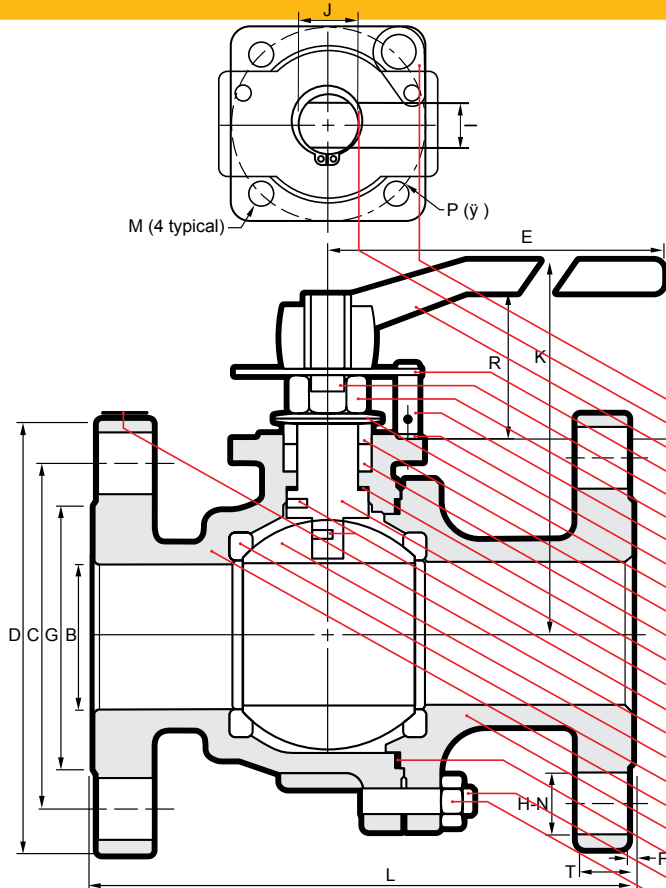
F Series Flanged Carbon Steel Ball Valves

F-150-CS-F-SS-N

Full port, Two piece body
ANSI B16.34 Class 150
Blowout-proof stem
ISO 5211 Mounting pad
Floating Ball, Anti-static device
Fire-safe design
Valves comply to NACE MR-01-75
Model F-150-LC-F-SS-N (LCC body) is available



3.3



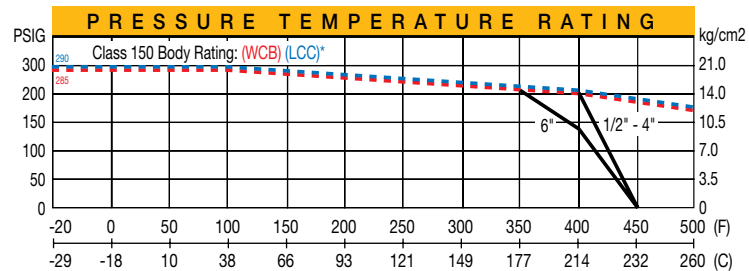
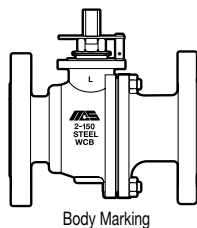
NAME / MATERIAL

Model Code; CS	LC	*FS
1. Lock Plate / Stainless Steel 304 - A276		
2. Retaining Ring / Carbon Steel		
3. Handle / Ductile Iron		
4. Stopper Plate / Stainless Steel 304 - A276		
5. Lock Washer / Stainless Steel 304 - A276		
6. Gland Nut / Carbon Steel		
7. Stopper Pin / Stainless Steel 304 - A276		
8. Lock Washer / Stainless Steel 304 - A276		
9. Belleville Washer / Stainless Steel 301		
10. Gland / Stainless Steel 304 - A276		
11. Packing / PTFE		(Graphite)
12. Thrust Washer / RPTFE 15% GFT		
13. Stem / Stainless Steel 316 - A276		
14. Anti-Static Device / Stainless Steel 304 - A276		
15. Identification Plate / Stainless Steel 304 - A276		
16. Ball / A351 - CF8M		
17. Seat / PTFE (TFM-1600)		
18. Body / A216-WCB	(LC: A352 LCC)	
19. Cap / A216-WCB	(LC: A352 LCC)	
20. Body Seal / PTFE		(Graphite)
21. Bolt Nut / A194 Grade 2HM	(LC: A194 7M)	
22. Stud Bolt / A193 Grade B7M	(LC FS: A320 Grade L7M)	

*Fire Safe Certified to API-607

FIG.	F-150-CS-F-SS-N	CLASS	150	SIZE	2	B16.34
SEAT	PTFE-S	BODY	WCB	TRIM	316	NACE
RATING	285 PSIG AT 100°F/200 PSIG AT 400° MAX					
CS - IDENTIFICATION PLATE						

FIG.	F-150-LC-F-SS-N	CLASS	150	SIZE	2	B16.34
SEAT	PTFE-S	BODY	LCC	TRIM	316	NACE
RATING	290 PSIG AT 100°F/200 PSIG AT 400° MAX					
LC - IDENTIFICATION PLATE						



*LCC body rated to -50F/-46C

	D	B	C	I	D	E	M	F	G	H	I	N	J	K	L	M	N	O	P	T	R	S	ISO 5211 flange	kg/lb
1/2	15	60.5	89	130	1.6	35	16	8	11	83	108	108	108	108	108	1/4" UNC	4	36	11.2	27	F03		1.64	
	0.59	2.38	3.50	5.12	0.06	1.38	0.62	0.31	0.43	3.27	4.25	4.25	4.25	4.25	4.25	1/4" UNC	4	1.42	0.44	1.06			3.60	
3/4	19	70.0	98.5	130	1.6	43	16	8	11	86	117	117	117	117	117	1/4" UNC	4	36	11.2	27	F03		2.00	
	0.75	2.75	3.88	5.12	0.06	1.69	0.62	0.31	0.43	3.39	4.62	4.62	4.62	4.62	4.62	1/4" UNC	4	1.42	0.44	1.06			4.40	
1"	24	79.0	108	160	1.6	51	16	10	14	104	127	127	127	127	127	1/4" UNC	4	50	11.2	35.5	F05		3.15	
	0.95	3.12	4.25	6.30	0.06	2.00	0.62	0.39	0.55	4.09	5.00	5.00	5.00	5.00	5.00	1/4" UNC	4	1.97	0.44	1.40			6.93	
1 1/2"	38	98.5	127	230	1.6	73	16	14	20	125	165	165	165	165	165	5/16" UNC	4	70	14.3	49	F07		6.26	
	1.50	3.88	5.00	9.06	0.06	2.88	0.62	0.55	0.79	4.92	6.50	6.50	6.50	6.50	6.50	5/16" UNC	4	2.76	0.56	1.93			13.77	
2"	50	120.5	152	230	1.6	92	19	14	20	134.5	178	178	178	178	178	5/16" UNC	4	70	15.9	49	F07		9.30	
	1.97	4.75	5.98	9.06	0.06	3.62	0.75	0.55	0.79	5.30	7.00	7.00	7.00	7.00	7.00	5/16" UNC	4	2.76	0.63	1.93			20.46	
2 1/2"	65	139.7	178	400	1.6	104.6	19	17	25	170.5	190.5	190.5	190.5	190.5	190.5	3/8" UNC	4	102	17.5	61	F10		16.82	
	2.56	5.50	7.00	15.75	0.06	4.12	0.75	0.67	0.98	6.71	7.50	7.50	7.50	7.50	7.50	3/8" UNC	4	4.02	0.69	2.40			37.00	
3"	76	152.5	190	400	1.6	127	19	17	25	181.5	203	203	203	203	203	3/8" UNC	4	102	19.1	61	F10		22.00	
	3.00	6.00	7.48	15.75	0.06	5.00	0.75	0.67	0.98	7.15	8.00	8.00	8.00	8.00	8.00	3/8" UNC	4	4.02	0.75	2.40			48.40	
4"	100	190.5	229	460	1.6	157	19	23	34	205.5	229	229	229	229	229	1/2" UNC	8	125	23.9	73	F12		37.00	
	3.94	7.50	9.02	18.11	0.06	6.18	0.75	0.91	1.34	8.09	9.29	9.29	9.29	9.29	9.29	1/2" UNC	8	4.92	0.94	2.87			81.40	
6"	150	241.5	279	1000	1.6	216	22	27	40	289.5	394	394	394	394	394	5/8" UNC	8	140	25.4	90	F14		85.3	
	5.91	9.50	10.98	39.37	0.06	8.50	0.88	1.06	1.57	11.40	15.51	15.51	15.51	15.51	15.51	5/8" UNC	8	5.51	1.00	3.54			187.66	