



NO.	PART NAME	MATERIAL	
1	FLANGE END	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB
2	GASKET	PTFE	PTFE
3	BODY	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB
4	BALL	SS316	SS304 / SS316
5	SEAT	PTFE	PTFE
6	STEM	SS316	SS316
7	THRUST WASHER	RPTFE	RPTFE
8	O-RING	VITON	VITON
9	STEM PACKING	PTFE	PTFE
10	GLAND	SS304	SS304
11	DISK WASHER	SS301	SS301
12	STEM NUT	SS304	SS304
13	LOCK SADDLE	SS304	SS304
14	SPACE WASHER	SS304	SS304
15	PLATER	SS304	SS304
16	HANDLE NUT	SS304	SS304
17	HANDLE	SS304	SS304
18	HANDLE SLEEVE	VINYL	VINYL
19	STOP PIN	SS304	SS304
20	PIN	SS316	SS316
21	STOP PIN NUT	SS304	SS304
22	BODY BOLT	SS304	SS304

SIZE	ϕD	ϕA	ϕB	ϕC	E	ϕF	ϕG	$\phi d1$	$\phi d2$	H	H1	H2	L	ϕM	N	S	T
1/2"	15	89	60.5	35	130	36	42	6	6	105	11	42	152	16	4	9	11.2
3/4"	20	98	70	43	165	42	50	6	7.1	110	14	48.5	167	16	4	11	11.2
1"	25	108	79.5	51	165	42	50	6	7.1	118	14	55.5	190	16	4	11	11.2
1-1/4"	32	117	89	64	205	50	70	7.1	9.2	118	17	63	208	16	4	14	12.7
1-1/2"	38	127	98.5	73	205	50	70	7.1	9.2	128	16	73.5	220	16	4	14	14.3
2"	50	152	120.5	92	325	70	102	9.2	11.4	140	21	92.5	253	19	4	17	15.8



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General tolerances	
Linear dimensions	Angular dimensions
0 up to 6 : ± 0.1	0 up to 10 : ± 1°
over 6 up to 30 : ± 0.2	over 10 up to 50 : ± 0°30'
over 30 up to 120 : ± 0.3	over 50 up to 120 : ± 0°20'
over 120 up to 400 : ± 0.5	over 120 up to 400 : ± 0°10'
over 400 up to 1000 : ± 0.8	over 400 : ± 0°5'
over 1000 up to 2000 : ± 1.2	Broken edges
over 2000 up to 4000 : ± 2.0	0 up to 3 : ± 0.2, 3 up to 6 : ± 0.5
	over 6 : ± 1.0

REVISION	00	Three-Way Full Port Direct Mount Flange Ball Valve ANSI Class 150			
SCALE	Free	SIZE	1/2"~2"	MODEL	F-61
UNIT	mm	MAT'L	CF8M / WCB	TYPE	N
INSPECTED BY	David	DATE	Jul. 30, 2015	FILE	ANF61-xxPxx-01
DRAWN BY	Joanne				