



NO.	PART NAME	MATERIAL	
1	END CAP	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	A	B	E	$\phi d1$	$\phi d2$	H	ϕF	ϕG	ϕS	K	L	R	ϕU	ϕT	Port
1/4"	37.5	9.5	130	6	6	62	36	42	9	43.5	87	11.1	14.2	10	11
3/8"	37.5	9.5	130	6	6	62	36	42	9	43.5	87	11.1	17.5	12	12
1/2"	42	11	130	6	6	64	36	42	9	52	104	12.7	21.7	15	15
3/4"	48.5	14	165	6	7.1	82	42	50	11	55.5	111	14.3	27.1	20	20
1"	55.5	14	165	6	7.1	89	42	50	11	63.5	127	15.9	33.9	25	25
1-1/4"	63	17	205	7.1	9.2	98	50	70	14	69	138	17.5	42.5	32	32
1-1/2"	73.5	16	205	7.1	9.2	108	50	70	14	79	158	19.1	48.6	38	38
2"	92.5	21	325	9.2	11.4	140	70	102	17	95	190	22.2	61.1	50	50



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General tolerances	
Linear dimensions	Angular dimensions
0 up to 6 : ± 0.1	0 up to 10 : $\pm 1^\circ$
over 6 up to 30 : ± 0.2	over 10 up to 50 : $\pm 0^\circ30'$
over 30 up to 120 : ± 0.3	over 50 up to 120 : $\pm 0^\circ20'$
over 120 up to 400 : ± 0.5	over 120 up to 400 : $\pm 0^\circ10'$
over 400 up to 1000 : ± 0.8	over 400 : $\pm 0^\circ5'$
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	Four-Way Full Port Direct Mount Ball Valve			
SCALE	Free	Threaded, Butt Weld, Socket Weld			
UNIT	mm	SIZE	1/4"~2"	MODEL	5-7
INSPECTED BY	David	MAT'L	ASTM A351 Gr. CF8M	TYPE	N
DRAWN BY	Joanne	DATE	Jul. 17, 2015	FILE	AN57-xxPxx-01