



NO.	PART NAME	MATERIAL	
1	FLANGE END CAP	ASTM A351 Gr.CF8M	ASTM A216 Gr.WCB
2	BODY	ASTM A351 Gr.CF8M	ASTM A216 Gr.WCB
3	BALL & STEM	SS316	SS304 / SS316
4	HOUSING	PTFE+STAINLESS	PTFE+STAINLESS
5	SEAT	PTFE	PTFE
6	GASKET	PTFE	PTFE
7	O-RING	VITON	VITON
8	STEM PACKING	PTFE	PTFE
9	BONNET GASKET	PTFE	PTFE
10	BONNET	ASTM A351 Gr.CF8M	ASTM A216 Gr.WCB
11	GLAND	ASTM A351 Gr.CF8	ASTM A216 Gr.WCB
12	STOPPER	SS304	SS304
13	STOP RING	SS304	SS304
14	HANDLE HEAD	ASTM 65-45-12	ASTM 65-45-12
15	BODY BOLT	SS304	CARBON STEEL
16	NUT	SS304	CARBON STEEL
17	BLANL END	ASTM A351 Gr.CF8M	ASTM A216 Gr.WCB
18	LEVER	CARBON STEEL	CARBON STEEL
19	GLAND BOLT	SS304	CARBON STEEL

SIZE	phi D	phi A	phi B	phi C	E	phi F	phi d1	H	H1	H2	H3	H4	L	phi M	N	T	t	□S
5"	125	254	215.9	186	860	125	M12	255	198.5	140.5	59	36	418	22	8	23.9	1.6	28
6"	150	279.3	241.5	216	1200	125	M12	294	222	159.5	62	36	427	22	8	25.4	1.6	36
8"	200	343	298.45	270	1500	125	M12	335	263	201	62	36	532	22	8	28.6	1.6	36
10"	248	406.4	362	324	2000	140	M16	408	345	252	93	59	660	25.4	12	30.2	1.6	36
12"	300	483	432	381	2000	140	M16	408	345	252	93	59	660	26	12	32.5	1.6	36



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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			
SCALE	Free	ANSI Class 150			
UNIT	mm	SIZE	5"~12"	MODEL	F-61
INSPECTED BY	David	MAT'L	ASTM A351 Gr. CF8M	TYPE	N
DRAWN BY	Joanne	DATE	Aug. 12, 2015	FILE	ANF61-xxPxx-03