



BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A352 LCB	18	STEM	17-4PH
2	GASKET	flexible graphite	19	VENT VALVE	SS316
3	SPRING	Inconel X-750	20	O-RING	Viton AED
4	O-RING	Viton AED	21	GASKET	SS316+graphite
5	SEAT	ASTM A182 F316+RPTFE	22	SLIDING BEARING	Metal Backed PTFE
6	FIXED AXIS	ASTM A350 LF2	23	GASKET	PTFE
7	GASKET	SS316+graphite	24	O-RING	Viton AED
8	SCREW	ASTM A320 L7M+Zn	25	O-RING	Viton AED
9	BOLT	ASTM A320 L7M+Zn	26	GLAND COVER	ASTM A350 LF2+ENP
10	NUT	ASTM A194 7M+Zn	27	GASKET	SS316+graphite
11	BONNET	ASTM A352 LCB	28	PACKING	flexible graphite
12	BALL	ASTM A182 F316	29	THE LIMITING BLOCK	1025+Zn
13	SLIDING BEARING	Metal Backed PTFE	30	PACKING GLAND	ASTM A352 LCB
14	GASKET	PTFE	31	ANTI STATIC BALL	SS
15	DRAIN PLUG	SS316	32	ANTI STATIC SPRING	SS
16	O-RING / DRAIN PLUG	Viton AED	33	SCREW	ASTM A320 L7M+Zn
17	SCREW	ASTM A320 L7M+Zn	34	HANDLE	ASTM A216 WCB

PERFORMANCE STANDARDS

NOMINAL CL (PN)	300LB		STANDARD
SHELL TEST PRESSURE	7.5 MPa	1090 Psi	API 598 with API 6D (Test duration)
SEAL TEST PRESSURE	5.5 MPa	800 Psi	API 598
AIR TEST PRESSURE	0.6 MPa	87 Psi	API 598 & ASME B16.34
TEMPERATURE RANGE	-46 to +200 °C		-50 to 392 °F
SUITABLE MEDIUM	WATER/OIL/NATURAL GAS ETC		
FUGITIVE EMISSIONS(FE) TESTING	ISO 15848-2		
JET FUEL COMPLIANCE	Suitable for Jet Fuel service		

DESIGN STANDARDS

PRESSURE RATING	ANSI Class 300	VALVE TYPE	TRUNNION MOUNTED
DESIGN	API 6D	FIRESAFE	API 607
FACE TO FACE DIMENSION	B16.10, API-6D	TEST & INSPECTION	API 6D
END CONNECTION	ASME B16.5-RF, SF 3.2-6.3Ra	MARKING	MSS SP-25
ISO MOUNT	5211	NACE	MR 01-75 (Internal Wetted parts)
CERTIFICATION	EN10204, Type 3.1		
PAINT	SA 2.1/2 BLASTING, EPOXY PRIMER + POLYURETHANE TOP COAT, DFT 150µm, RAL 7035		

DESCRIPTION

50MM TO 100MM CLASS 300# TRUNNION MOUNTED BALL VALVE, 2-PIECE FULL PORT DESIGN WITH DBB AND SPE SEATS. CONSTRUCTED FROM ASTM A352 LCB BODY, F316 SS BALL AND SEAT RING WITH RPTFE INSERT, 17-4 PH STEM, VITON AED SEALS, INCONEL X-750 SPRINGS, AND HDG L7M BOLTING. WRENCH OPERATED.

	DWG No	BFT2N30SARVRFNI6D050-100	CHECKED		DATE: 16-07-2025
	REV.	00	APPROVED		DATE: 22-07-2025

SIZE	DN	D	L	D	D1	D2	A1	T	F	N-ØD	N-M	ISO 5211	WEIGHT (KG)	BREAK TORQUE NO SAFETY(NM)	PRODUCT CODE
2"-300LB	50	49	216	165	127	92.1	102	20.7	2	8-19	4-Φ12	F10	20	80	BFT2N30SARVRFNI6D050
3"-300LB	80	74	283	210	168.3	127	125	27	2	8-22	4-Φ14	F12	36	135	BFT2N30SARVRFNI6D080
4"-300LB	100	100	305	255	200	157.2	125	30.2	2	8-22	4-Φ14	F12	60	245	BFT2N30SARVRFNI6D100