



BILL OF MATERIALS					
NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY STUD	ASTM A320 L7M+ZN	18	O-RING	VITON-GLT-AED
2	BODY NUT	ASTM A194 7M+ZN	19	STEM	ASTM A182 F51
3	BONNET	ASTM A350 LF2 CL.1	20	BEARING	C.S.+PTFE
4	GASKET	GRAPHITE+316S.S.	21	WASHER	PTFE
5	BODY O-RING	VITON-GLT-AED	22	GASKET	GRAPHITE
6	BOLT	ASTM A320 L7M+ZN	23	PACKING BOX	ASTM A350 LF2 CL.1
7	TRUNNION SHAFT	ASTM A350 LF2 CL.1	24	STEM O-RING	VITON-GLT-AED
8	BODY	ASTM A350 LF2 CL.1	25	BOLT	ASTM A320 L7M+ZN
9	BALL	ASTM A182 F51	26	TOP FLANGE	ASTM A350 LF2 CL.1
10	DRAIN	SS316	27	GASKET	GRAPHITE
11	BEARING	C.S.+PTFE	28	WORM	ASSEMBLY
12	WASHER	PTFE	29	KEY	C.S
13	SEAT INSERT	PEEK	30	ALIGNMENT PIN	C.S
14	SEAT SPRING	INCONEL X-750	31	ANTISTATIC DEVICE	S.S.316
15	SEAT RING	ASTM A182 F51	32	VENT	S.S.316
16	SEAT FIRESAFE PACKING	CARBON FIBRE GRAPHITE	33	STEM INJECTION	S.S.316
17	SEAT O-RING	VITON-GLT-AED	34	SEAT INJECTION	S.S.316

PERFORMANCE STANDARDS			
NOMINAL CL (PN)	1500LB		STANDARD
SHELL TEST PRESSURE	37.5 MPa	5440 Psi	API 598 with API 6D (Test duration)
SEAL TEST PRESSURE	27.5 MPa	3999 Psi	API 598
AIR TEST PRESSURE	0.6 MPa	87 Psi	API 598 & ASME B16.34
TEMPERATURE RANGE	-46 to +260 °C		-50 to 500 °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 1500	VALVE TYPE	TRUNNION MOUNTED
DESIGN	API 6D	FIRESAFE	API 607
FACE TO FACE DIMENSION	ASME B16.10	TEST & INSPECTION	API 6D
END CONNECTION	ASME B16.5-RTJ	MARKING	MSS SP-25
ISO MOUNT	5211 TOP FLANGE	NACE	MR 01-75 (Internal Wetted parts)
CERTIFICATION	EN10204, Type 3.1	MIN BODY WALL THICKNESS	ASME B16.34
PAINT	SA 2.1/2 BLASTING, EPOXY PRIMER + POLYURETHANE TOP COAT, DFT 150µm, RAL 7035		

DESCRIPTION
 100MM CLASS 1500# TRUNNION BALL VALVE, A350 LF2 CL.1 FORGED BODY, FULL PORT, 3-PIECE, DBB, SPE SEATS, RTJ ENDS, F51 BALL, F316 SEAT RING, PEEK INSERT, 17-4 PH STEM, SINGLE PISTON EFFECT, VITON B AED SEALS, GRAPHITE GASKET, INCONEL X-750 SPRINGS, A320 L7M BOLTS (HDG), 316 SS VENT/DRAIN, LOCKABLE GEAR OPERATED.

SIZE	A	B	C	D (MIN)	E	F	REF W	REF H	L	N-ØF	FLANGE GROOVE	BREAK TORQUE NO SAFETY(NM)	PRODUCT CODE
4"-1500LB	311	53.8	194	100	241.3	7.92	450	290	549	8-Ø35	R39	880	BFT3L150XAKVJFNG6D100

	DWG No	BFT3L150XAKVJFNG6D100	CHECKED		DATE: 16-07-2025
	REV.	00	APPROVED		DATE: 22-07-2025