



BILL OF MATERIALS					
NO	PART NAME	MATERIAL	NO	PART NAME	MATERIAL
1	BODY	ASTM A350 LF2 CL.1	14	GLAND BEARING	SS316+PTFE
2	BONNET BOLT	ASTM A320 L7M+HDG	15	STEM	ASTM A564-S17400
3	BONNET NUT	ASTM A194 7M+HDG	16	GASKET	SS316+GRAPHITE
4	BONNET	ASTM A350 LF2 CL.1	17	O-RING	VITON AED
5	BONNET GASKET	SS316+GRAPHITE	18	STUFFING	GRAPHITE
6	O-RING	VITON AED	19	GLAND FLANGE	ASTM A350 LF2 CL.1
7	O-RING	VITON AED	20	GEAR	DUCTILE IRON
8	SEAT	ASTM A182 F316	21	DRAIN PLUG	SS316
9	SEAT RING	DEVLON	22	VENT VALVE	SS316
10	BALL	ASTM A182 F316	23	STUFFING BOX	ASTM A350 LF2 CL.1+ENP
11	SPRING	INCONEL X-750	24	TRUNNION	ASTM A350 LF2 CL.1
12	SEAT GASKET	GRAPHITE	25	ANTISTATIC DEVICE	SS316
13	GASKET	PTFE	26	INJECTION FITTING	SS316

PERFORMANCE STANDARDS			
NOMINAL CL (PN)	600LB		STANDARD
SHELL TEST PRESSURE	15.0 MPa	2176 Psi	API 598 with API 6D (Test duration)
SEAL TEST PRESSURE	11.0 MPa	1595 Psi	API 598
AIR TEST PRESSURE	0.6 MPa	87 Psi	API 598 & ASME B16.34
TEMPERATURE RANGE	-46 to +140 °C		-50 to 284 °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 600	VALVE TYPE	TRUNNION MOUNTED
DESIGN	API 6D	FIRESAFE	API 607 / API6FA / ISO 10497
FACE TO FACE DIMENSION	ASME 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 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 600# TRUNNION BALL VALVE, A350 LF2 CL.1 / A105N FORGED BODY (DUAL CERT.), FULL PORT, 3-PIECE, DBB, F316 BALL & SEAT RING, DEVLON V INSERT, 17-4 PH STEM, VITON AED SEALS, SS+GRAPHITE GASKET, INCONEL X-750 SPRINGS, A320 L7M BOLTS & A194 7M NUTS (HDG), 316 SS SEAT & STEM SEALANT INJECTION, VENT/DRAIN, API 6D DESIGN & LOCKABLE GEAR OPERATED.

SIZE	D	D	D1	D2	L	H	B	F	N-ØD	W	WEIGHT (KG)	BREAK TORQUE NO SAFETY(NM)	PRODUCT CODE
4"-600LB	100	275	215.9	157.2	432	-	38.1	7	8-ø25.5	~350	125	350	BFT3L60SADVRFNG6D100

	DWG No	BFT3L60SADVRFNG6D100	CHECKED		DATE: 16-07-2025
	REV.	00	APPROVED		DATE: 22-07-2025