



BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM LCB	18	STEM	17-4PH
2	GASKET	FLEXIBLE GRAPHITE	19	VENT VALVE	SS316
3	SPRING	X-750	20	O-RING	VITON
4	O-RING	VITON AED	21	GASKET	SS316+GRAPHITE
5	SEAT	ASTM A182 F316+DEVLON	22	SLIDING BEARING	METAL BACKED PTFE
6	GASKET	SS316+GRAPHITE	23	GASKET	PTFE
7	SCREW	ASTM A320 L7M+ZN	24	O-RING	VITON AED
8	BOLT	ASTM A320 L7M+ZN	25	O-RING	VITON AED
9	NUT	ASTM A194 7M+ZN	26	GLAND COVER	ASTM LF2+ENP
10	BONNET	ASTM LCB	27	GASKET	SS316+GRAPHITE
11	BALL	ASTM A182 F316	28	GASKET	FLEXIBLE GRAPHITE
12	SLIDING BEARING	METAL BACKED PTFE	29	PIN	1045
13	GASKET	PTFE	30	ANTI STATIC BALL	SS316
14	DRAIN PLUG	SS316	31	ANTI STATIC SPRING	SS316
15	FIXED AXIS	ASTM LF2	32	SCREW	ASTM A320 L7M+ZN
16	O-RING	VITON AED	33	WORM GEAR	ASSEMBLING UNIT
17	GREASE VALVE / O-RING	SS316 / VITON AED			

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 +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 300	VALVE TYPE	TRUNNION MOUNTED
DESIGN	API 6D	FIRESAFE	API 607
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	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

150MM & 200 MM CLASS 300# TRUNNION BALL VALVE, ASTM A352 LCB BODY, FULL PORT, 2-PIECE, DBB, SPE SEATS, 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 VENT/DRAIN, LOCKABLE GEAR OPERATED.

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
6"-300LB	150	150	403	320	269.9	215.9	125	35	2	12-22	4-Φ14	F12	83	550	BFT2N30SADVRFNIG6D150
8"-300LB	200	201	502	380	330.2	269.9	140	39.7	2	12-25.4	4-Φ18	F14	162	1320	BFT2N30SADVRFNIG6D200