



NO	PART NAME	MATERIAL
1	ADAPTER	A105
2	BOLT	S193 B7
3	NUT	A194 2H
4	COMPRESSION RING	A105 + ENP
5	SEALING RING	FLEXIBLE GRAPHITE
6	SEAT	SS316 + NYLON
7	BEARING	1045 + RPTFE
8	TRUNNION	A105 + ENP
9	DRAIN VALVE	1025
10	PLUG VALVE	1025
11	O-RING	NBR
12	GASKET	SS316 + FLEXIBLE GRAPHITE SPIRAL WOUND
13	BALL	SS316
14	BODY	A105
15	GREASE FITTING	1025
16	BOLT	1035
17	CONNECTING SCREW PLATE	A216 Gr WCB
18	STEM	SS316
19	MANUAL OPERATOR	COMPONENT
20	SCREW	1035
21	PACKING	FLEXIBLE GRAPHITE
22	SEALING REJECTION	1025
23	O-RING	VITON
24	SEALING RING	SS316 + FLEXIBLE GRAPHITE SPIRAL WOUND
25	O-RING	NBR
26	PACKING GLAND	A105 + ENP
27	SPRING	SS304
28	O-RING	VITON
29	THRUST WASHER	PTFE

SIZE	D1	D2	D3	B	n - φ	E	L
150NB CLASS600LB	356	292	216	48	12 - 29	6.4	559
200NB CLASS600LB	419	349	270	56	12 - 32	6.4	660

SHELL HYDROSTATIC TEST PRESSURE	15.3 MPa
SEAT HYDROSTATIC TEST PRESSURE	11.2 MPa
SEAT AIR TEST PRESSURE	0.6 MPa
CLASS	600 Lb

TECHNICAL REQUIREMENTS

1. DESIGN AND MANUFACTURE PER API 6D
2. VALVE INSPECTION AND TEST PER API 6D
3. FACE TO FACE DIMENSION PER ANSI B16.10
4. FLANGE CONNECTION DIMENSION PER ANSI B16.5

REV A	BROOK VALVES	
DATE	MAY 2005	TBL600G
SCALE	TO FIT	A105 FIRESAFE BALL VALVE CLASS 600 GEAR OP