



BILL OF MATERIALS					
NO.	Part Name	Materials	Notes	Materials	Notes
14	Handwheel	A197		A197	
13	Locking nut	Steel		Steel	
12	Stem nut	A276 410		A276 410	
11	Nut	A194 7	4	A194 2H	4
10	Gland eyebolt	A193 B7	4	A193 B7	4
9	Gland flange	AISI 316	5	A105	
8	Gland	A276 304	5	A276 420	
7	Packing	Graphite		Graphite	
6	Bolt	A193 B8	4	A193 B7(M)	4
5	Bonnet	A182 F316	5	A105/A350 LF2	
4	Gasket	316SS+Graphite		316SS+Graphite	
3	Stem	A182 F316	5	A182 F6a	
2	Disc	A182 F316	1,5	A182 F6a	1,2,3
1	Body+Seat*	A182 F316	1,5	A105/A350 LF2	1,2,3

*: Seat integral

- Notes
1. Stellite overlay
 2. 316 overlay
 3. 13% Chrome alloy overlay
 4. NACE bolting
 5. 316L materials

NB	DN	A	B	D	C	E	F	G	Wgt
1/2"	15	90	13.8	10	21.7	131	10	80	2.2
3/4"	20	110	18.85	14	27.1	137	13	80	3.8
1"	25	127	24.3	18	33.8	161	14	100	5.5
1 1/2"	40	150	38.1	31	48.6	212	14	120	9.5
2"	50	150	49.25	42.8	61.1	228	16	140	18

DESIGN CODE	API 602/ANSI B16.34	TEST PRESSURES		
FACE TO FACE DIMENSIONS	Manu's Std	BODY	382.0	Barg
ENDS/FLANGES DIMENSIONS	ASME B16.11/B.20.1	SEAT	280.0	Barg
TESTING CODE	API 598	BACKSEAT	280.0	Barg
		AIR - SEAT	6.0	Barg

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:		
-	-	-				DRAWN	DM	DATE: 09/06/11
						CHECKED	SMN	DATE
						APPROVED	AW	DATE

Materials available include: Duplex & Super Duplex
Monel, Inconel, Chrome-moly

DRAWING TITLE:
API FORGED CLASS 1500
BOLTED BONNET, SW/NPT, GATE VALVES

CLIENT: .
VENDOR PO REF: .
EVC REF: .



CAD. No.	DRAWING NUMBER:	120169-02	REV	00
AREA No.	FACILITY	TYPE	SEQ. No.	SHT. No.