



BILL OF MATERIALS			
15	Handwheel	A197	A197
14	Locking nut	Steel	Steel
13	Stem nut	A276 410	A276 410
12	Nut	A194 8	A194 2H
11	Gland eyebolt	A193 B8	A193 B7
10	Gland flange	AISI 316	A105
9	Gland	A276 304	A276 420
8	Packing	Graphite	Graphite
7	Bolt	A193 B8(M)	A193 B7(M)
6	Bonnet	A182 F316(L)	A105
5	Gasket	316SS+Graphite	316SS+Graphite
4	Stem	A182 F316L	A182 F6a
3	Wedge	A182 F316(L)+STL	A182 F6a+STL
2	Seat	A182 F316(L)+STL	A276 420+STL
1	Body	A182 F316L	A105
NO.	Part Name	Materials	Materials

NB	DN	A	B	C	D	E	F	G	Wgt
1/2"	15	108	34.9	89	11.5	178	10	100	3.4
3/4"	20	117	42.9	99	13	182	14	100	3.8
1"	25	127	50.8	108	14.5	220	18	125	5.7
1 1/4"	32	140	63.5	117	16	221	22	160	12
1 1/2"	40	165	73.0	127	17.5	248	29	160	12
2"	50	178	92.1	152	19.5	283	36	180	16

Materials available on request: Stainless steel all grades; Duplex & Super Duplex; Chrome-moly; Inconel; Monel;

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:		
-	-	-				DRAWN	DM	DATE-07.12.10
						CHECKED	SMN	DATE
						APPROVED	AW	DATE

DESIGN CODE	API 602/ANSI B16.34	TEST PRESSURES		
FACE TO FACE DIMENSIONS	ANSI B 16.10	BODY	30.0	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	22.0	Barg
TESTING CODE	API 598	BACKSEAT	22.0	Barg
		AIR - SEAT	6.0	Barg

DRAWING TITLE:  
API FORGED, CLASS 150  
BOLTED BONNET, RF, GATE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. DRAWING NUMBER: 120177 REV 00

AREA No. FACILITY TYPE SEQ. No. SHT. No.

MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).