



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

*: Seat integral

NB	DN	A	B	C	D	E	F	G	Wgt
1/2"	15	108	60.3	89	11.5	183	10	100	3.3
3/4"	20	117	69.8	99	13	186	13	100	4
1"	25	127	79.4	108	14.5	231	18	125	5.6
1 1/4"	32	140	88.9	117	16	235	23	160	7
1 1/2"	40	165	98.4	127	17.5	267	27	160	8.5
2"	50	203	120.6	152	19.5	300	33	180	17.5

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: 08/12/10
						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, GLOBE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. DRAWING NUMBER: 120179 REV 00

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

MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).