



J = WEIGHT (Lbs.)

LIST OF PARTS

ITEM	DESCRIPTION	QTY.	MATERIAL	SPECIFICATION
1	BODY	1	FORGED CARBON STEEL, PHOSPHATED	ASTM A105
2	BONNET	1	FORGED CARBON STEEL, PHOSPHATED	ASTM A105
3	HANDWHEEL	1	MALLEABLE IRON PAINTED BLUE	ASTM A47
4	STEM	1	410 STAINLESS STEEL	ASTM A276
5	WEDGE	1	420 STAINLESS STEEL	ASTM A743 GRADE CA-40
6	YOKE NUT	1	416 STAINLESS STEEL	ASTM A582
7	SEAT RING	2	410 STAINLESS WITH STELLITE FACE +	ASTM A276
8	GASKET	1	AISI 304 WITH GRAPHITE FILLER	API 602
9	CAPSCREW	4	ALLOY STEEL	ASTM A193 GRADE B7
10	GLAND FLANGE	1	FORGED CARBON STEEL, PHOSPHATED	ASTM A105
11	PACKING RINGS	4	DIE FORMED GRAPHITE	API 602 (ASBESTOS FREE)
	PACKING END RINGS	2	BRAIDED GRAPHITE	
12	GLAND BUSHING	1	CARBON STEEL POWDERED METAL	ASTM B783 Gr F-0008-30
13	NAMEPLATE	1	ALUMINUM	COMMERCIAL (BLUE = 13Cr Trim)
14	LOCKWASHER	1	SPRING STEEL	COMMERCIAL
15	HANDWHEEL NUT	1	CARBON STEEL	COMMERCIAL
16	THRUST WASHER	1	STAINLESS STEEL	AISI 410
17	EYEBOLT	2	410 STAINLESS STEEL	AISI 410
18	EYEBOLT SCREW	2	PLATED CARBON STEEL	COMMERCIAL
19	EYEBOLT NUT	2	304 STAINLESS STEEL	AISI 304

+ 1/4" SEAT RINGS ARE NOT HARDFACED

DIMENSIONAL DATA						
SIZE	1/2"	3/4"	1"	1 1/2"	2"	3"
A	4.00	4.00	4.00	5.50	6.625	7.375
B	5.50	6.00	6.50	7.56	8.50	11.125
C	6.25	6.375	7.25	9.060	11.063	13.625
D	.390	.500	.750	1.188	1.50	2.00
E	3.75	4.625	4.875	6.125	6.50	8.25
F	1.375	1.688	2.00	2.875	3.625	5.00
G	4	4	4	4	8	8
H	2.625	3.25	3.50	4.50	5.00	6.625
I	.625	.75	.75	.875	.75	.875
J	7.0	10.25	12.75	25.0	35.5	64.5

NOTES

1. VALVE COMPLIES WITH API 602
2. DESIGN AND PRESSURE/TEMPERATURE RATING TO ASME/ANSI B16.34

G X ØI THRU ON 'H' B.C. STRADDLE C.LINE (SHOWN ROTATED OUT OF POSITION)

TITLE		FIGURE 0830	
D.S.&Y. CLASS 300 FLANGE END BOLTED BONNET, GATE VALVE, STD. PORT			
SMITH			
SIZE	DRAWING NO.		REV.
A	0830 □□□□*		0