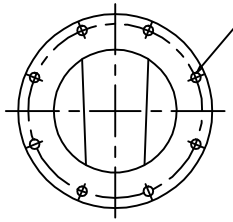
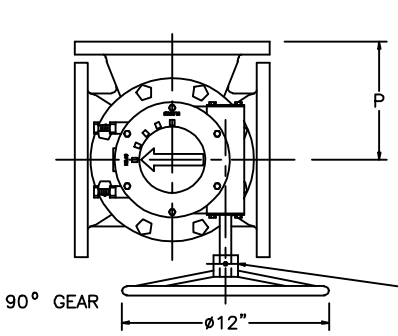
VALVE SIZE	A	B	C	D	E	F	G	H	J	P	Q	R	S	T	U
3	3	8	0.75	5	4.75	7.50	6	4	0.75	5.50	–	–	4	0.75	11.00
4	4	9.88	0.94	6.75	6	9	7.50	8	0.75	6.50	2	0.63	8	0.75	12.75
6	6	11.63	1.0	8	7.06	11	9.50	6	0.88	8	2	0.75	8	0.88	12.00
8	8	13.88	1.13	11.75	11	13.50	11.75	4	0.88	9	4	0.75	8	0.88	17.75
10	10	16.75	1.19	11.75	11	16	14.25	12	1	11	–	–	12	1	17.75
12	12	19	1.25	13.50	12.88	19	17	12	1	11.56	–	–	8	1	19.50
14	14	21	1.38	12.31	14.38	21	18.75	12	1.13	12.50	–	–	12	1.13	18.31
16	16	23.75	1.44	14.69	15.88	23.25	21.25	16	1.13	15.13	–	–	16	1.13	20.69

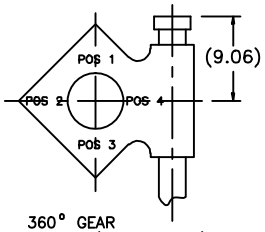
FLANGE 2

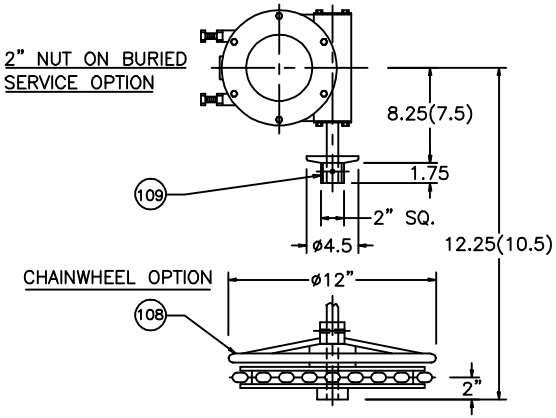


S NO.
T DIA. OF DRILLED HOLES

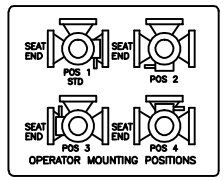
NOTE:
12" HAS 4 TAPPED HOLES AND 8 DRILLED HOLES ON FLANGE 2.







REFERENCE ONLY



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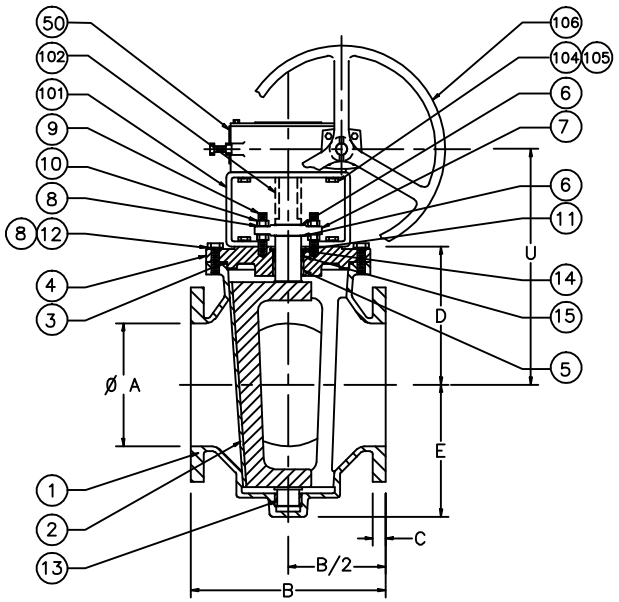

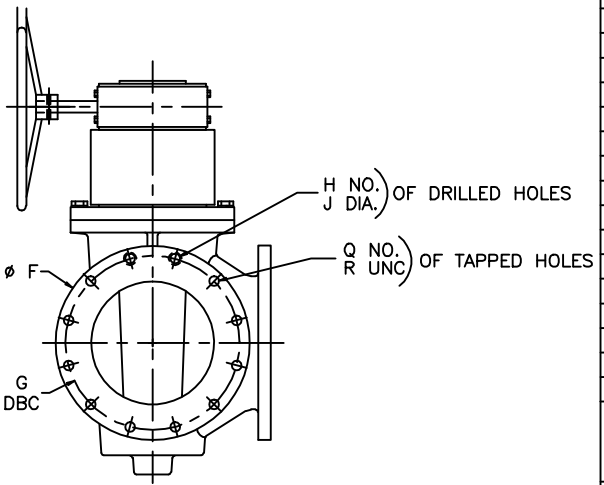

FLANGE 1 & 3
(OPPOSITE SIDES)

ITEM	QTY	DESCRIPTION	MATERIAL
109	1	2" NUT	DUCTILE IRON
108	1	CHAINWHEEL	DUCTILE IRON
107	1	SPRING PIN	SPRING PIN
106	1	HANDWHEEL	DUCTILE IRON
105	AR	LOCK WASHER	STEEL/ZINC
104	AR	CAP SCREW	STEEL/ZINC
102	1	BRACKET	STEEL
101	1	KEY	STEEL
50	1	GEAR	–
15	2	U CUP SEAL	ELASTOMER
14	1	SEAL RET. RING	BRASS
13	1	BODY BEARING	STAINLESS STEEL
12	AR	CAP SCREW	STEEL
11	1	RETAINING RING	STEEL
10	4	JAM NUT	STEEL
9	2	STUD	STEEL
8	AR	LOCKWASHER	STEEL
7	1	GLAND	DUCTILE IRON
6	2	SNAP RING	STEEL
5	1	CAP BEARING	STAINLESS STEEL
4	1	CAP	CAST IRON
3	1	'O' RING	ELASTOMER
2	1	PLUG	DUCTILE IRON
1	1	BODY	CAST IRON

ISSUE NUM.

	DATE	REVISIONS	BY
1	05/91	ORIGINAL DWG. BY	JN
2	05/92	WAS DWG #49161	CE
3	06/94	CHANGED DIM. 'U' FOR 3" VALVE FROM 9-1/8 TO 11-1/8	CR
4	07/97	REDRAWN ON CADD	CR

BY CR | DATE 7/97 | SCALE NONE
CHK'D

TITLE: 3"–16" THREE–WAY PLUG VALVE W/ 90° GEAR OPERATOR & HANDWHEEL (360° GEAR OPTION) (2" NUT OR CHAINWHEEL OPTION)

DWG. NO. S60018