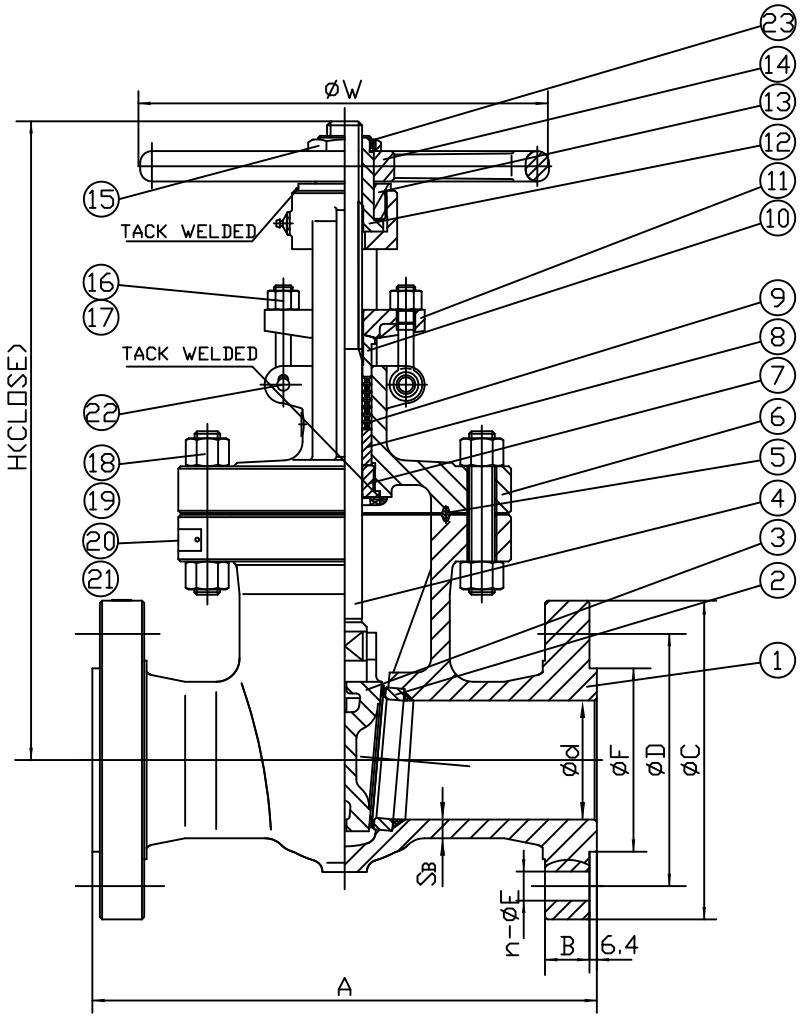
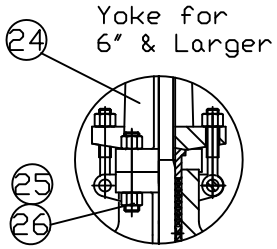
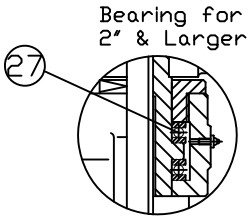
Wm. E. Williams No. 90F2N Class 900 OS&Y Gate Valve ASTM A 216 WCB (API Trim 8) NACE







ITEM	NAME	MATERIAL	SPECIFICATION	NOTE
1	BODY	CAST STEEL	ASTM A216-WCB	NACE
2	BODY RING	CARBON STEEL	ASTM A105+HF	
3	GATE	CAST STEEL	ASTM A216-WCB+13%Cr	
4	STEM	STAINLESS STEEL	ASTM A182-F6a	
5	GASKET,RING JOINT	STEEL	08F	
6	BONNET	CAST STEEL	ASTM A216-WCB	
7	BACKSEAT	STAINLESS STEEL	ASTM A276-410	
8	PACKING CUSHION	STAINLESS STEEL	ASTM A276-410	
9	PACKING RING	INCONEL WIRE WITH GRAPHITE		
10	GLAND	STAINLESS STEEL	ASTM A276-410	
11	GLAND FLANGE	CAST STEEL	ASTM A216-WCB	
12	STEM NUT	NODULAR CAST IRON	ASTM A439 D-2	
13	GLAND NUT	CARBON STEEL	ASTM A29-1035	
14	HANDWHEEL	NODULAR CAST IRON		
15	HANDWHEEL NUT	CARBON STEEL	ASTM A29-1035	
16	EYE BOLT	STEEL	ASTM A193-B7M	
17	EYE BOLT NUT	STEEL	ASTM A194-2HM	
18	BONNET BOLT	STEEL	ASTM A193-B7M	
19	BONNET NUT	STEEL	ASTM A194-2HM	
20	NAMEPLATE	STAINLESS STEEL	304SS	
21	RIVET	STAINLESS STEEL	304SS	
22	PIN	CARBON STEEL	ASTM A29-1035	
23	SCREW	CARBON STEEL		
24	YOKE	CAST STEEL	ASTM A216-WCB	
25	YOKE BOLT	STEEL	ASTM A193-B7M	
26	YOKE NUT	STEEL	ASTM A194-2HM	
27	BEARING	STEEL		

NOTE:

1. FLEXIBLE WEDGE

SIZE	d	A	B	C	D	n	E	F	H	W	SB
2"	47	368	38.5	216	165	8	26	92	405	250	19.1
2.5"	57	419	41.5	244	190.5	8	29	105	483	300	22.5
3"	73	381	38.5	241	190.5	8	26	127	523	350	19.5
4"	98	457	44.5	292	234.9	8	32	157	555	350	21.3
6"	146	610	56	381	317.5	12	32	216	759	500	26.2
8"	190	737	63.5	470	393.7	12	39	270	883	640	31.8
10"	238	838	70	546	469.9	16	39	324	1068	720	37

Remark: Larger sizes available upon request

NO.	DATE	DESCRIPTION	PRP'D	REV'D	APP'D
1	1/15/15	RELEASED	F.J.	R.P.	R.P.

MARKING SYSTEM	MSS-SP-25	INSPECTION & TEST: API 598		
DIM.OF FLANGE	ANSI B16.5	SHELL	HYDRO	3350PSI
FACE TO FACE	ANSI B16.10	SEAT	AIR	80PSI
WALL THICKNESS	API 600	BACK SEAT	HYDRO	2450PSI
DESIGNED	API 600, ANSI B16.34	NACE MR 0175		

WILLIAM E. WILLIAMS VALVE CORPORATION
WWW.WILLIAMSVALVE.COM
38-52 REVIEW AVENUE
LONG ISLAND CITY, NY 11101
TEL: 718-392-1660
FAX: 718-729-5106

TITLE: CAST STEEL GATE VALVE
CLASS 900 - API TRIM 8 - R,F B,B OS&Y

MATERIAL: ASTM A216 GR.WCB		UNITS: Inch, mm	
CLASS: 900	DATE: 01/15/15	SCALE: N.T.S.	
SIZE: 2" - 10"		FIG. No.: 90F-2N	
DRAWN BY: F.J.			
CHK'D & APR'D BY: R.P.	REV: 1	DWG No.: 60GA120033-28	