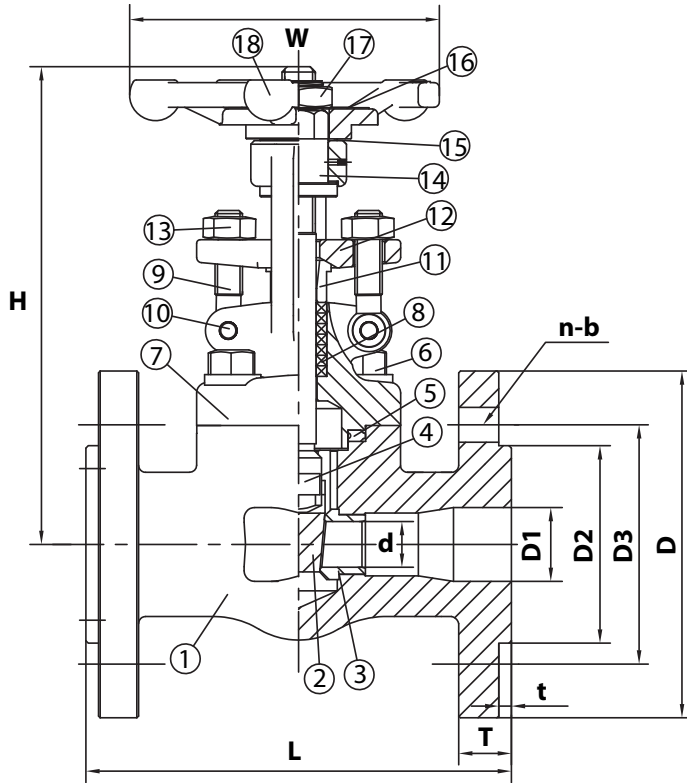


# Class 150 Forged Steel RF Gate Valve 4E®

**FIG.# 4E-11FG08F**

Class 150, RF, Bolted Bonnet, Trim 8, NACE MR- 0175 Compliance



**STANDARDS COMPLIANCE:**

Design and Manufacture	API 602 & ASME B16.34
Flange Dimensions	ASME B16.5
Face to Face Dimension	ASME B16.10
Test & Inspect	API 598

CLASS		150	
Test	Shell	3.0	MPa
	Backseat	2.2	
	High- Pressure Closure	/	
	Low- Pressure Closure	0.6	
Test Temperature: - 29°C (- 20°F) ~ 38°C (100.4°F)			
Medium: Water, Oil & Gas			

**MATERIAL LIST**

No.	Part Name	Material
1.	Body	ASTM A105N
2.	Wedge	ASTM A 276 410
3.	Seat Ring	ASTM A 276 410 + STL
4.	Stem	ASTM A 276 410
5.	Gasket	304 + Graphite
6.	Bonnet Bolt	ASTM A193 B7M
7.	Bonnet	ASTM A105N
8.	Packing	Graphite
9.	Gland Bolt	ASTM A193 B7M
10.	Gland Bolt Pin	ASTM A 276 304
11.	Gland	ASTM A 276 420
12.	Gland Flange	ASTM A105N
13.	Nut	ASTM A194 2HM
14.	Stem Nut	ASTM A 276 410
15.	Washer	ASTM A 276 410
16.	Name Plate	Aluminum
17.	Hand Wheel Nut	ASTM A108 1020
18.	Hand Wheel	ASTM A197

**DIMENSIONS & WEIGHT**

SIZE	unit	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L	inch	4.25	4.61	5.00	5.51	6.50	7.01
	mm	108	117	127	140	165	178
d(o)	inch	0.39	0.49	0.71	0.94	1.14	1.44
	mm	10.0	12.5	18.0	24.0	29.0	36.5
D1(o)	inch	0.63	0.83	1.04	1.38	1.61	2.07
	mm	16.0	21.0	26.5	35.0	41.0	52.5
D2(o)	inch	1.37	1.69	2.00	2.50	2.87	3.63
	mm	34.9	42.9	50.8	63.5	73.0	92.1
D3(o)	inch	2.37	2.75	3.13	3.50	3.87	4.75
	mm	60.3	69.9	79.4	88.9	98.4	120.7
D(o)	inch	3.54	3.94	4.33	4.53	4.92	5.91
	mm	90.0	100.0	110.0	115.0	125.0	150.0
T	inch	0.41	0.43	0.47	0.53	0.59	0.65
	mm	10.3	11.0	12.0	13.5	15.0	16.6
t	inch	0.06	0.06	0.06	0.06	0.06	0.06
	mm	1.6	1.6	1.6	1.6	1.6	1.6
n - b	inch	4-(o)0.63	4-(o)0.63	4-(o)0.63	4-(o)0.63	4-(o)0.63	4-(o)0.75
	mm	4-(o)16	4-(o)16	4-(o)16	4-(o)16	4-(o)16	4-(o)19
H	inch	6.02	6.18	7.28	8.90	9.49	11.02
	mm	153.0	157.0	185.0	226.0	241.0	280.0
W	inch	3.94	3.94	4.72	6.30	6.30	8.66
	mm	100.0	100.0	120.0	160.0	160.0	220.0
Weight	lbs.	5.95	7.50	11.68	16.98	20.94	30.86
	Kgs.	2.7	3.4	5.3	7.7	9.5	14.0
Torque	NM	25.0	25.0	35.0	45.0	55.0	63.0



**NOTE:**

1. Due to continuous development of our products, all products, specifications and data are subject to change without prior notice or obligation.