



NO	NAME	MATERIAL
1	BODY	ASTM A536 65-45-12
2	GATE	ASTM A536 + EPDM
3	STEM NUT	ASTM B16
4	STEM	ASTM A276 304
5	BODY SEAL	EPDM
6	UPPER BODY	ASTM A536 65-45-12
7	BOLT	ASTM F593 GROUP 1 304
8	NUT	ASTM F593 GROUP 1 304
9	WASHER	ASTM F593 GROUP 1 304
10	O-RING	EPDM
11	THRUST WASHER	PTFE
12	O-RING	EPDM
13	THRUST WASHER	PTFE
14	O-RING	EPDM
15	O-RING	EPDM
16	DUST SEAL	EPDM
17	GLAND	ASTM A536 65-45-12
18	WASHER	ASTM F593 GROUP 1 304
19	BOLT	ASTM F593 GROUP 1 304
20	HANDWHEEL	ASTM A536 65-45-12
21	WASHER	ASTM F593 GROUP 1 304
22	BOLT	ASTM F593 GROUP 1 304

Design Specification
 Design confirm to AWWA C509/C515
 Connections confirm to ASME B16.1
 Face to face confirm to ASME B16.10
 Pressure Rating: Class 150/Class 250

Size	L1	H	Df	D1	Z	df	TORQUE (FT-LB)	TURNS
2	7.00	10.4	6.0	4.75	4	0.75	26	7.5
2.5	7.50	11.4	7.0	5.50			30	8.5
3	8.00	12.5	7.5	6.00			33	11
4	9.00	13.9	9.0	7.50	8	0.88	44	13.5
5	10.00	16.0	10.0	8.50			52	16.7
6	10.50	17.5	11.0	9.50			59	19.8
8	11.50	21.0	13.5	11.75	12	1.00	89	26.2
10	13.00	24.5	16.0	14.25			111	32.5
12	14.00	27.4	19.0	17.00			133	38.7
14	15.00	30.8	21.0	18.75		1.13	170	45

2" - 14" C509/C515 NRS Gate Valve (FLxFL)



DWG NO. B14NRGV

