



- Connection Ends: Flange to ASME B16.1 CL125
Mechanical Joint to ANSI/AWWA C153/A21.53
- Working Pressure: 250PSI
- Temperature Range: 0°-80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550.

MATERIAL SPECIFICATION

PART NO.	Description	Material	Material Standard
1	Body	Ductile Iron	ASTM A536
2	Wedge, Rubber Encapsulated	Ductile Iron / EPDM	ASTM A536/D2000
3	Stem Nut	Brass	ASTM B16
4	Stem	Stainless Steel	SS304
5	Bonnet Bolts	Stainless Steel	SS304
6	Bonnet Nuts	Stainless Steel	SS304
7	Bonnet Washers	Stainless Steel	SS304
8	Bonnet	Ductile Iron	ASTM A536
9	Stem O-Ring	EPDM	ASTM D2000
10	Bonnet O-Ring	EPDM	ASTM D2000
11	Minipad	TFL	
12	Minipad	TFL	
13	Minipad	TFL	
14	Stem O-Ring	EPDM	ASTM D2000
15	Stuffing Box	Ductile Iron	ASTM A536
16	Dust Ring	EPDM	ASTM D2000
17	Stuffing Box Washers	Stainless Steel	SS304
18	Stuffing Box Bolts	Stainless Steel	SS304
19	Cap	Ductile Iron	ASTM A536
19A	Hand wheel(Optional)	Ductile Iron	ASTM A536
20	Wrench Nut	Stainless Steel	SS304
21	Wrench Washers	Stainless Steel	SS304

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN	Dimensions(Inch)								
	D	D2	D3	b3	z-d	z1-d1	L	H	
								Hand Wheel	Cap Nut
2"	6.13	3.52	4.80	0.63	2-Φ0.75	4-Φ0.75	7.63	10.04	10.39
2.5"	6.75	4.22	5.40	0.69	2-Φ0.75	4-Φ0.75	7.87	11.02	11.42
3"	7.69	4.94	6.19	0.75	4-Φ0.75	4-Φ0.75	8.25	12.20	12.52
4"	9.12	6.02	7.50	0.94	4-Φ0.91	8-Φ0.75	9.26	13.39	13.90
6"	11.12	8.12	9.50	1.00	6-Φ0.91	8-Φ0.87	10.26	17.13	17.48
8"	13.37	10.27	11.75	1.14	6-Φ0.91	8-Φ0.87	11.00	20.67	21.06
10"	15.69	12.34	14.00	1.20	8-Φ0.91	12-Φ0.98	12.50	23.82	24.25
12"	17.94	14.44	16.25	1.26	8-Φ0.91	12-Φ0.98	13.51	26.97	27.36
14"	20.31	16.54	18.75	1.38	10-Φ0.91	12-Φ1.14	14.50	30.31	30.75
16"	22.56	18.64	21.00	1.46	12-Φ0.91	16-Φ1.14	16.99	33.27	33.70
18"	24.83	20.74	23.25	1.56	12-Φ0.91	16-Φ1.26	18.15	36.42	36.73
20"	27.08	22.84	25.50	1.69	14-Φ0.91	20-Φ1.26	19.00	39.37	39.76
24"	31.58	27.04	30.00	1.89	16-Φ0.91	20-Φ1.38	21.00	45.47	45.94

DRAWN BY: Cindy Zhang	DRAWING # JH004X	AWWA C509 Flanged x Mechanical Joint Resilient NRS Gate Valve	
		Series NO.: JHZ004X	
CHECKED BY: Cherry Chen	ISSUE DATE 160427-21		REV.00.
APPROVED BY: Meng Xiang			