



MATERIAL SPECIFICATION

PART NO.	Description	Material Specification	Options
1	Valve Body	Ductile Iron ASTM A536 , 65-45-12	
2	Resilient Wedge Disc	Ductile Iron ASTM A536 , 65-45-12 + EPDM	
3	Stem	Stainless steel 431	Stainless steel 304, Bronze ASTM B584
4	Bonnet Gasket	EPDM ASTM D2000	
5	Bonnet	Ductile Iron ASTM A536 , 65-45-12	
6	Stem Packing	EPDM ASTM D2000	
7	Yoke	Ductile Iron ASTM A536 , 65-45-12	
8	Stem Bushing	Brass ASTM B-283 C37700	Bronze ASTM B584
9	Gland	Ductile Iron ASTM A536 , 65-45-12	
10	Stem Nut	Brass ASTM B-283 C37700	Bronze ASTM B-584
11	Hand wheel	Ductile Iron ASTM A536 , 65-45-12	Pressed Steel
12	Washer	Brass ASTM B-283 C37700	
13	Gland Nut	Stainless steel 316	Stainless steel 304
14	Stud	Stainless steel 316	Stainless steel 304
15	Flat Washer	Stainless steel 316	Stainless steel 304
16	Bolt	Stainless steel 316	Stainless steel 304
17	O-Ring	EPDM ASTM D2000	NBR ASTM D2000

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

- Connection Ends: Flange to ASME B16.1 CL 125
Groove AWWA C606
- Working Pressure: 300PSI
200PSI and 250PSI available upon request
- Temperature Range: 0°-80°C
- Coating: Fusion Bonded Epoxy Coating Complies with ANSI/AWWA C550

DN	Dimensions(Inch)									
	L	H1(Close)	H2(Open)	D	D1	C	n-φL	OD	d	A
2"	7.0	13.70	15.75	5.98	4.75	0.63	4-φ0.75	2.37	2.25	0.63
2.5"	7.5	14.69	17.32	7.01	5.50	0.69	4-φ0.75	2.87	2.72	0.63
3"	8.0	16.06	19.29	7.52	6.00	0.75	4-φ0.75	3.50	3.34	0.63
4"	9.0	18.54	22.56	9.02	7.50	0.75	4-φ0.75	4.50	4.33	0.63
5"	10.0	21.30	26.18	10.00	8.50	0.75	8-φ0.88	5.56	5.39	0.63
6"	10.5	23.66	29.72	10.98	9.50	0.75	8-φ0.88	6.63	6.46	0.63
8"	11.5	30.47	38.39	13.50	11.75	0.87	8-φ0.88	8.63	8.44	0.75
10"	13.0	40.51	50.51	15.98	14.25	0.94	12-φ1	10.75	10.56	0.75
12"	14.0	41.93	53.94	19.02	17.00	1.00	12-φ1	12.75	12.53	0.75



DRAWN BY: Cindy Zhang	DRAWING # JMXZ51X	AWWA C515 Flanged x Grooved Resilient OS&Y Gate Valve	
CHECKED BY: Cherry Chen		Series NO.:JMXZ51X	
APPROVED BY: Meng Xiang	ISSUE DATE 160427-5		REV.00.