



APPLICABLE STANDARD	
Design&Manufacture	AWWA C509
End Connection	ASME B16.1 CL125/ ASME B16.42 CL150
Face-to-Face and End-to-End Dimensions	ASME B16.10
Gear Flange	ISO5211
Working Temperature	32°F -176°F
Medium	Water

TESTING DETAILS	
DESCRIPTION	TEST PRESSURE
SHELL TEST	500PSI
SEAT TEST	250PSI

Part No.	Description	Material Specification
1	Body	Ductile Iron ASTM A536
2	Wedge	DI ASTM A536 +EPDM ASTM D2000
3	Stem Nut	Brass ASTM B16
4	Stem	Stainless Steel SS316
5	Gasket	EPDM ASTM D2000
6	Bonnet Bolt	Stainless Steel SS316
7	Nut	Stainless Steel SS316
8	Washer	Stainless Steel SS316
9	Bonnet	Ductile Iron ASTM A536
10	O-Ring	EPDM ASTM D2000
11	Minipad	14-24" PTFE
	Bearing	30-48" Stainless Steel SS316
12	O-Ring	EPDM ASTM D2000
13	O-Ring	EPDM ASTM D2000
14	O-Ring	EPDM ASTM D2000
15	Seal Ring	Brass ASTM B16
16	Dust Ring	EPDM ASTM D2000
19	Gland	Ductile Iron ASTM A536
20	Bolt	Stainless Steel SS316
21	Washer	Stainless Steel SS316
22	Gear Box	
23	Handwheel	Ductile Iron ASTM A536

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Item No.	Dimensions(Inch)									TURN TO OPEN	TUM RANGE
	NPS	D	D1	b	z	d	S	L	H		
JHZ45XC-S14	14"	21.00	18.75	1.38	12	1.125	16	15.00	37.40	354	±5
JHZ45XC-S16	16"	23.50	21.25	1.44	16	1.125	16	16.00	40.55	306	
JHZ45XC-S18	18"	25.00	22.75	1.56	16	1.250	16	17.00	43.31	342	
JHZ45XC-S20	20"	27.50	25.00	1.69	20	1.250	16	18.00	46.46	384	
JHZ45XC-S24	24"	32.00	29.50	1.88	20	1.375	16	20.00	52.76	456	±7
JHZ45XC-S30	30"	38.75	36.00	2.12	28	1.375	16	24.00	66.93	282	
JHZ45XC-S36	36"	46.00	42.75	2.38	32	1.625	16	28.00	73.82	587	
JHZ45XC-S42	42"	53.00	49.50	2.62	36	1.625	16	36.00	84.53	782	±9
JHZ45XC-S48	48"	59.50	56.00	2.75	44	1.625	16	44.00	104.72	874	

DESCRIPTION	Proj.	JHZ45XC-S001
AWWA C509 Flanged Resilient NRS Gate Valve & Supur gears	DWG#	REV.
	JH-009	0
	WN	APPR.
	CINDY	DATE
	APPR.	3-7-2025