

## C509 OS&Y Resilient Seated Gate Valve

FIG. 3216

### Specifications

- Meet or exceed the requirements of AWWA C509 Standard.
- Full Waterway.
- Robust Design.
- Adjustable Packing.
- Rubber Fully Encapsulated Ductile Iron Wedge.
- Handwheel - open left or open right.
- Face to Face Dimension comply with ASME B16.10 and EN 558 Series 3.
- Flange and Drilling comply with ASME B16.1 Class 125.
- Maximum rated working pressure:  
300 psi/25 bar for 2" to 12"  
250 psi/16 bar for 14" to 24"

### Corrosion Protection

- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard.

### Material Specification

Part Name	Material	ASTM Specification
Body	Ductile Iron	A536 Grade 65-45-12
Bonnet	Ductile Iron	A536 Grade 65-45-12
Wedge	EPDM Fully Encapsulated Ductile Iron	
Wedge Nut(2"-12")	Stainless Steel	A351Grade CF8
Wedge Nut(14"-24")	Bronze	B148 C95200
Stem	Stainless Steel	A276 Type 431
Stem Nut	Bronze	B148 C95200
Body/Bonnet Gasket	Rubber	D2000
Gland	Ductile Iron	A536 Grade 65-45-12
Packing	Graphite	Non-Asbestos
Handwheel	Ductile Iron	A536 Grade 65-45-12
Fasteners	Carbon Steel	Carbon Steel

### Options

- 200 psi or 250 psi rated.
- ASTM B150 or other Standard Bronze Stem.
- ASTM A276 Type 304 or 316 Stem.
- Stainless Steel Fasteners: A2-70 or A4-70.
- Other Flange Types available upon request.
- Operated with Handwheel, Operating Nut, Gearbox or Actuator.

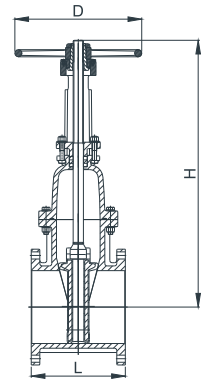
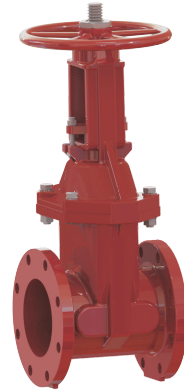
### Main Dimensions (mm/inch)

Size	2	2.5	3	4	6	8	10	12	14	16	18	20	24
L	178	190	203	229	267	292	330	356	381	406	432	457	508
H(OPEN)	400	420	505	615	795	1010	1200	1415	1600	1866	2034	2354	2673
D	185	185	255	255	305	355	445	445	535	535	610	610	762

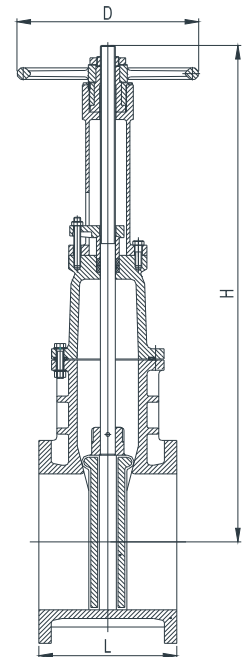
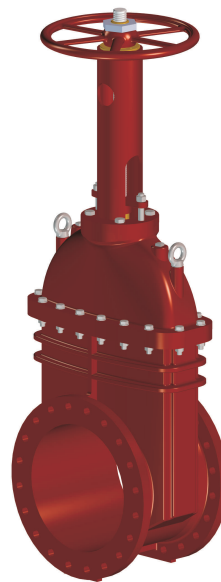
### Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

### Schematic



Size 2" to 12"



Size 14" to 24"