

# RISING STEM GATE VALVE

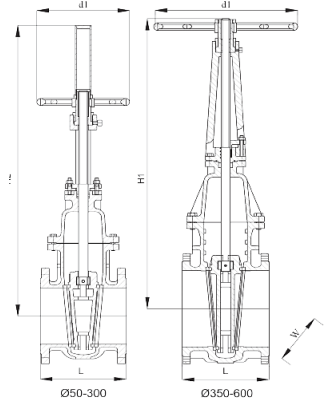
EN 558-1 SERIES 14 (DIN 3202 - F4)



**Description:** The Rising Stem Gate Valve is a unique type of gate valve that exhibits a direct relationship between the upward and downward motion of the stem and the open and closed states of the valve. This distinctive feature enables precise electronic tracking of the stem's movement by integrating a monitoring key. Furthermore, when fully open, it ensures unobstructed fluid flow, maximizing operational efficiency.

## Material Specification

Parts	Main Materials	Optional Materials
Long Body Bonnet - Yoke Wedge	Ductile Iron	Carbon Steel Stainless Steel Nickel Aluminum Bronze
Stem	X20Cr13	SS 304, SS 316, NAB
Nuts	Bronze	Brass, SS 304, SS 316, NAB
Rings	Bronze	Brass, SS 304, SS 316, NAB
Seals	EPDM	NBR
Fasteners	8:8 (Galv.)	SS 304, SS 316
Handwheel	Cast Iron	Ductile Iron



### Notes:

1. Different flange drillings are available, including ISO, EN, ANSI, and others.
2. The standard operating temperature range is -10°C to +80°C.
3. All RAL Colors are available.
4. Potable water certified coating is available.
5. Both thermoset and thermoplastic coatings are available.

### Application:

Rising Stem Gate Valves are used for isolation purposes and provide drip tight sealing once they are closed. When open, they provide undisturbed water flow. Due to its Rising Stem feature, operator can see the wedge position of the valve easily. Gate Valves are not suitable for regulation purposes.

### Features:

- **Efficient Stem Design:** The valve incorporates a rolled stem design, enabling low operating torque values for smooth operation.
- **Versatile Ring Construction:** We offer various alternatives for ring assembly, including pressed-in, threaded, or welded rings.
- **Accessory Options:** Upon request, we can equip the valve with gearbox and actuator accessories to meet specific requirements.
- **Customizable Wedge Guide:** For certain sizes, we provide an optional wedge guide as per customer request to enhance valve operation.
- **Additional Configurations:** Specific sizes also allow optional additions such as a jacking screw, wedge stop, or drain plug upon request.
- **Optional Bypass Valve:** For larger sizes, an optional bypass valve can be added on demand to facilitate streamlined operation.



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## The Rising Stem Gateway to Versatility:

Our journey commenced with the manufacturing of Rising Stem Gate Valves, a versatile solution that has garnered widespread adoption across various industries worldwide. These valves have emerged as the preferred choice for professionals managing high-pressure and large-scale applications, highlighting their dependability in critical isolation roles.

## Quality Assurance and Customizable Construction:

The Rising Stem Gate Valves, featuring dual body and wedge rings, ensure a secure and leak-free seal. Our commitment to delivering impeccable metal-to-metal sealing is reinforced by our adherence to high-quality production methods. With a wide range of ring materials available, we cater to a diverse array of requirements.

## Innovative Design and Operational Efficiency:

Our Rising Stem Gate Valves incorporate an innovative design, featuring a unique rotating, rolled, mono-block stem that effectively translates the rotation of the handwheel to the wedge. The rising capability of the stem, facilitated by the specially engineered yoke nut, guarantees smooth water flow and provides a clear visual indicator of the wedge's position.

## DIMENSIONS (mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
D1	200	200	200	200	200	200	315	315	400	500	500	500	600	600
Height 1	385	390	452	485	605	655	795	925	1100	1300	1450	1600	1775	2250
Height 2	475	480	565	620	745	840	1025	1195	1425	1615	1900	2150	2375	2850
Width	200	200	200	250	250	285	400	410	505	566	640	670	805	850
Length	150	170	180	190	200	210	230	250	270	290	310	330	350	390
Weight (kg)	17	20	27	32	42	55	89	130	173	275	370	500	550	675



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