

Dura

RS Gate Valve

Specifications

Recommended use	Suitable for use with water & waste water
Features	Abrasion Resistance Impact Resistance Thermal Resistance Long Service Life Internal/External coating complies with AS/NZS 4158 providing corrosion resistance
Working Pressure	PN16 / 1600 kPa
Max Operating Pressure	1920 kPa
Allowable Site Test Pressure	2000 kPa
Temperature	40°C
Operation	Valve Key
Warranty	12 Months
Standards	AS/NZS 4158 AS/NZS 1567
Watermark	

Product Image



Materials

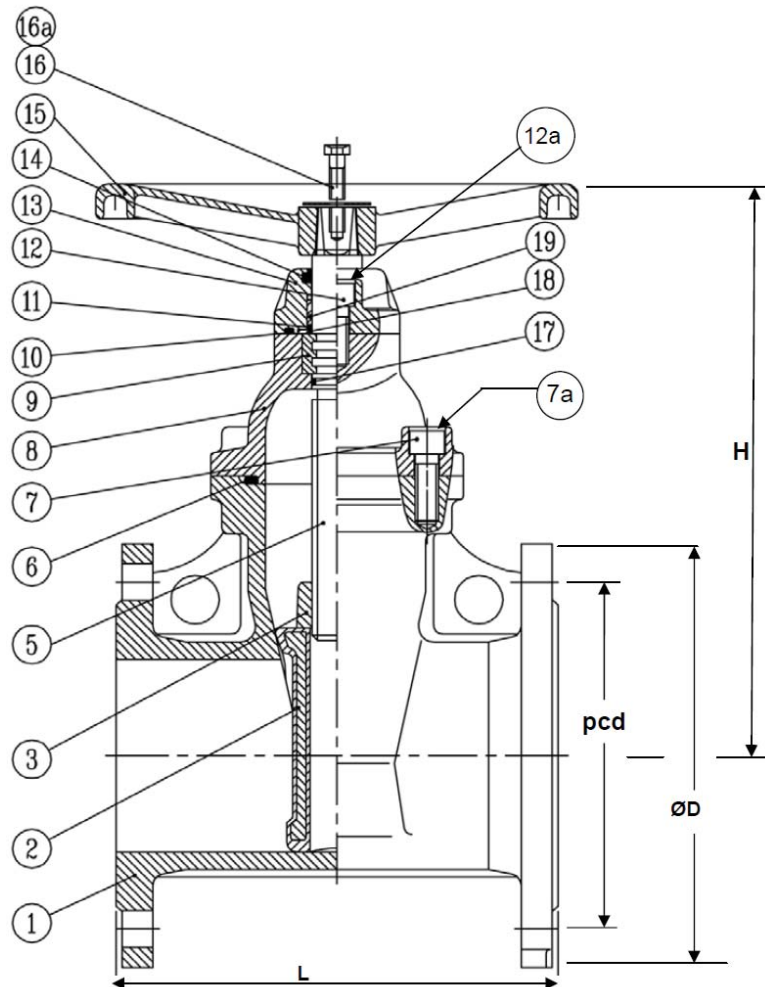
Body, Bonnet, Gland & Hand Wheel	Fusion bonded epoxy (FBE) coated ductile iron grade 500-7
Wedge	As per body with encapsulated EPDM coating
Wedge Disc Nut	Aluminium Bronze C62300
O-Ring Seals	NBR Nitrile Rubber
Wiper Ring	EPDM
Bonnet Gasket	EPDM
Bonnet Retailing Bolts	316 Stainless Steel with hot melt sealing
Gland Bushing	PTFE
Gland Washer	Copper
Gland Flange Bolts	316 Stainless Steel with hot melt sealing

Dimensions

Product Code	Product Description	Size	L	H	PCD	OD
		DN	mm	mm	mm	mm
1002382	DURA RS GATE VALVE PN16 TABLE E 80MM	80	203	241	146	185
1002383	DURA RS GATE VALVE PN16 TABLE E 100MM	100	229	315	178	215
1002384	DURA RS GATE VALVE PN16 TABLE E 150MM	150	267	410	235	280
1002385	DURA RS GATE VALVE PN16 TABLE E 200MM	200	292	520	292	335
1002386	DURA RS GATE VALVE PN16 TABLE E 250MM	250	330	618	356	405

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Product Drawing



Components & Parts Listing

1	Valve Body	11	Gland O-Rings
2	Wedge	12	Socket head capscrews - gland
3	Disc nut	12a	Hot metal seal
4	-	13	Gland
5	Spindle	14	Wiper Ring
6	Bonnet Gasket	15	Hand Wheel
7	Socket head cap screws - Bonnet	16	Hex bolt - hand wheel
7a	Hot metal seal	16a	Washer - Hand Wheel
8	Bonnet	17	Spindle O-ring
9	Thrust Collar	18	Gland Washer
10	Gland Seal	19	Gland Bushing

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Pre-Installation

- Valves should be located allowing for access for operation, adjustment, maintenance and repair.
- Valves and the adjoining pipework on either side of the valve must be well supported to prevent strain on the body.
- Heavy valves may require independent support or anchorage.
- Watermark approved resilient seated sluice valves may be installed above ground in:
 - a) Horizontal pipework with spindle vertical
 - b) Vertical pipework with spindle horizontal.

Installation

- Ensure valves are clean and free of debris before installation.
- Do not lift valves by spindle.
- Plan valve lifting carefully to fully support valve and use lugs on larger valves where provided.
- Ensure pipework to which valve will be connected is clean and free of debris.
- Remove valve end caps only immediately before installation and ensure waterway surface is clean.
- Check flanges that will be connected for any problems with contact face on flanges and fix before installation.
- When installing between flanges, ensure bolts are lubricated before assembly and tightened in a cross-pattern sequence to achieve an even seal across flange gasket.

Operation

- Valves are opened with anti-clockwise rotation of hand wheel to a positive stop. Do not force valve hand wheel further in the open direction.
- Valves are closed following the 'close' direction arrow on the hand wheel with clockwise rotation of the wheel to a positive stop.
- **Resilient seated gate valves are isolation (on/off) valves and should not be used as throttling valves.**

Pressure Ratings & Limitations

Valves must be installed within a piping system whose operating pressure is at or below allowable operating pressure rating (1600 kPa) of the valve. During system testing above the maximum operating pressure rating (1920 kPa), the pressure should be kept within the valve allowable system test pressure (2000 kPa) with the wedge in the fully open position.

If the limits of use specified here are exceeded or if the valve is used in applications beyond what it was designed for, a potential hazard could result.