

# RESILIENT SEAT SHOULDERED END PN25

Version 1.0

Clover Resilient Seat Shouldered End Gate Valves are suitable for use in pressure and non-pressure water supply and sewerage applications.

Gate valves are used to isolate flow within pipeline sections, pipeline equipment and offtakes. Clover Resilient Seat Gate Valves are manufactured in accordance with AS/NZS2638.2.

## SPECIFICATIONS

**Diameter Range:** DN100 - DN200

**Nominal Pressure:** 2,500kPa

**End Connections:**

Shouldered according to AS/NZS2638.2 (DN200 not referenced within AS/NZS2638.2)

**Maximum Operating Temperature:** 40°

**Product Certification:**

Australian Certification Services - 25731

**Compliance:**

- AS/NZS2638.2 "Gate valves for waterworks purposes - Resilient seated"
- AS/NZS4158 "Thermal-bonded polymeric coatings on valves and fittings for water industry purposes"
- AS1646 "Elastomeric seals for waterworks purposes"
- AS1831 "Ductile cast iron"
- AS/NZS4020 "Testing of products for use in contact with drinking water"
- ISO5211 "Industrial Valves - Part-turn actuator attachments"

**Options & Accessories:**

- Anti-clockwise and clockwise closing models available
- Handwheel and key cap operators
- Gearbox Operator (Spur & Bevel)
- Open and Close Indicator
- ISO5211 Top Mounting Flange
- Lilac coloured key-cap available for recycled water applications

**Recommended Specifications:**

- Gate valves shall be Clover resilient seated non-rising spindle type conforming to AS/NZS2638.2
- Gate valves shall close in an anti-clockwise / clockwise direction
- Gate valves shall be fitted with a keycap / handwheel
- Gate valve allowable operating pressure shall be 2,500kPa
- Protective coatings of gate valves shall be thermally applied polymeric type in accordance with AS/NZS4158
- Shouldered end connections shall be in accordance with AS/NZS2638.2 Fig 3.2



## FEATURES

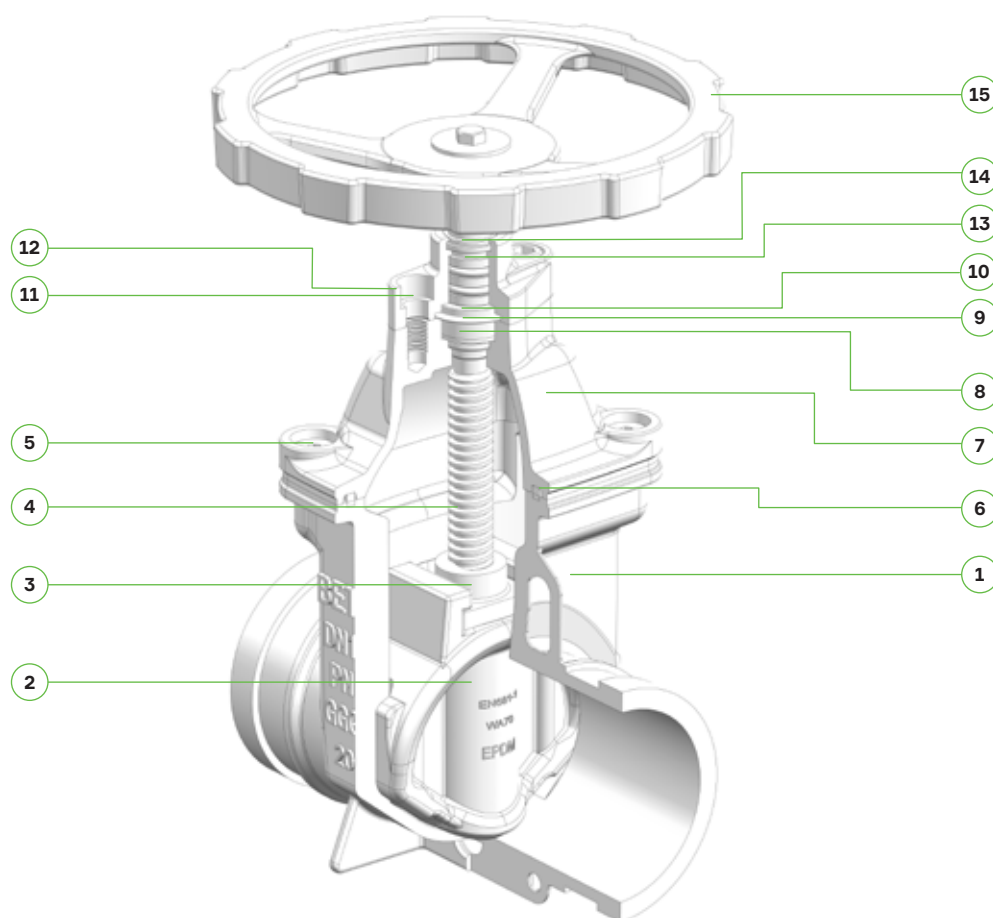
- 10 year manufacturers warranty
- Factory tested
- Reduced weight design
- Low operating torque
- Full bore design
- Local inventory available
- Manufactured to AS/NZS2638.2
- Suitable for installation in either horizontal or vertical position
- Thermally bonded polymeric coating

## APPLICATIONS

Gate valves are used to isolate flow within pipeline sections, pipeline equipment and offtakes. Clover Resilient Seat Gate Valves are manufactured in accordance with AS/NZS2638.2.

- Mining Service
- Fire systems
- Potable and recycled water supply
- Irrigation and raw water
- Stormwater and drainage
- Buried and above ground
- Gravity and sewer rising mains

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## COMPONENTS

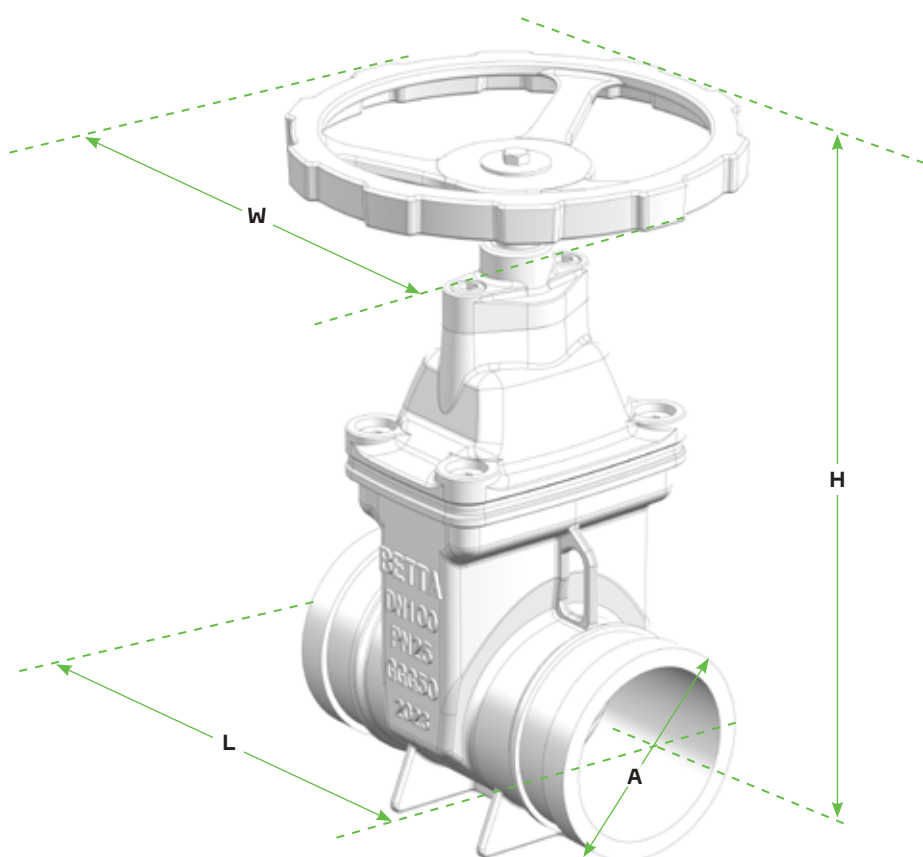
ITEM	PART NAME	MATERIAL	STANDARD/GRADE
1	Body	Ductile Iron	BS500-7
2	Wedge	Ductile Iron	EPDM Encapsulated
3	Stem Nut	Brass	C48600
4	Stem	Stainless Steel	1Cr17Ni2 (431)
5	Bonnet Bolt	Stainless Steel	316
6	Bonnet Gasket	Rubber	EPDM
7	Bonnet	Ductile Iron	BS500-7
8	O'Ring	Rubber	NBR
9	Washer	Plastic	POM
10	Gland O'Ring	Rubber	NBR
11	Stem Seal	Rubber	NBR
12	Seal Retainer	Plastic	POM
13	Gland	Stainless Steel	316(CF8M)
14	Dust Seal	Rubber	NBR
15	Handwheel / Spindle Key Cap	Ductile Iron	BS500-7

# RESILIENT SEAT SHOULDERED END PN25

SPECIFICATIONS	SYM	UNITS	DN100	DN150	DN200
LENGTH	L	mm	229±1	267±1	292±1
WHEEL DIAMETER	W	mm	250	250	350
HEIGHT	H	mm	330	450	535
SHOULDER DIAMETER	A	mm	122.2±0.8	175.1±0.8	232±0.8
WEIGHT OF UNIT (KEYCAP FITTED)		kg	18	24.5	55
TURNS TO CLOSE (APPROX)		Turns	21	32	35
ACTUAL TORQUE TO SEAL (APPROX)		Nm	60	110	140
MAXIMUM OPERATING TORQUE		Nm	100	150	200
ISO5211 TOP MOUNTING FLANGE			F10	F10	F10

PRESSURE	SYM	UNITS	
PRESSURE NOMINAL	PN	Nom	25
ALLOWABLE OPERATING PRESSURE	AOP	kPa	2,500
MAXIMUM ALLOWABLE OPERATING PRESSURE	MAOP	kPa	3,000
ALLOWABLE SITE TEST PRESSURE	ASTP	kPa	3,125
PRODUCTION TEST - BODY		kPa	3,750
PRODUCTION TEST - SEAT		kPa	2,750

All dimensions are in millimetres.



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