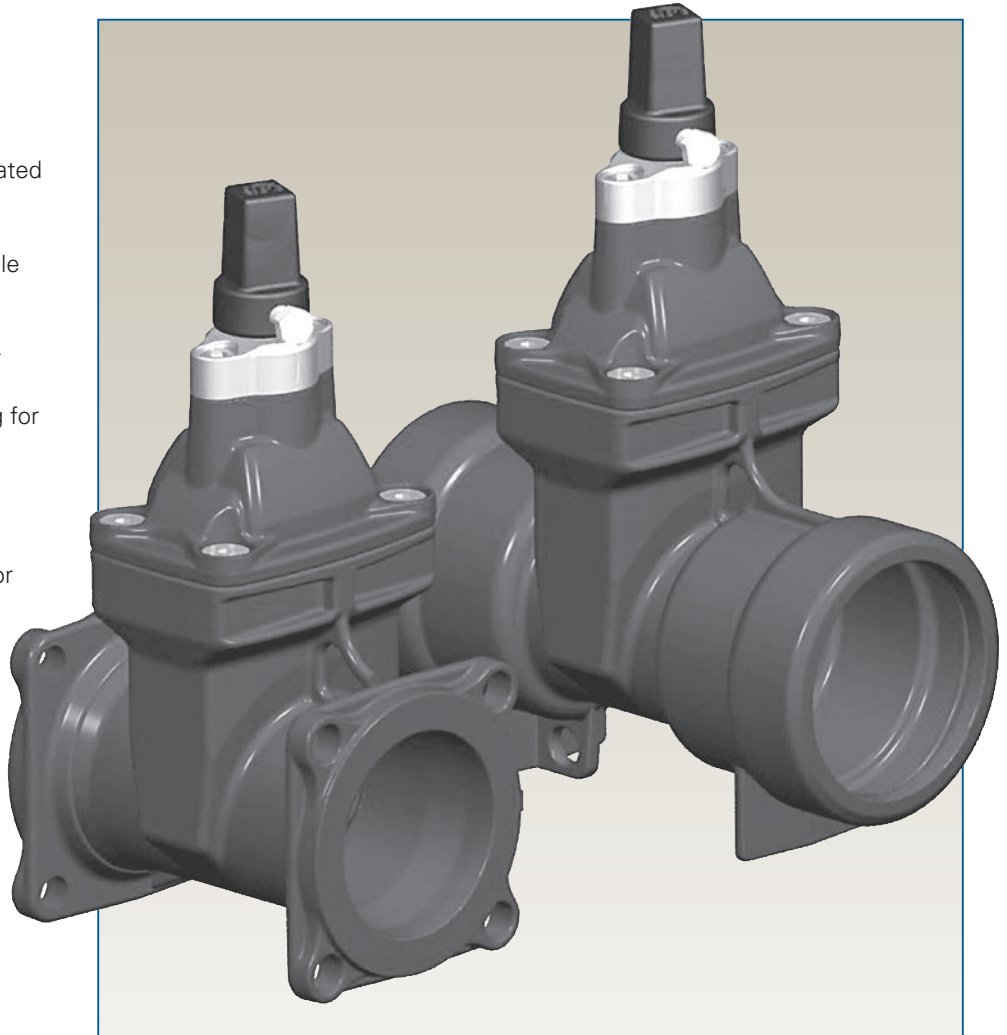




AUSLITE Resilient Seated Gate Valves are designed and manufactured to AS 2638-2. They are light, easy to lift and have low operating torques, making operation fast and efficient.

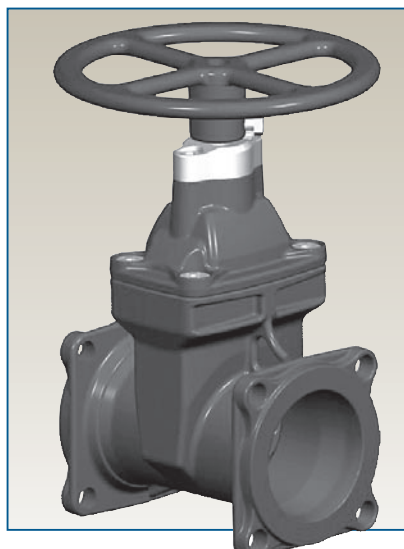
Feature

- Ductile Iron body and bonnet for high strength and impact resistance.
- Ductile Iron gate fully encapsulated in EPDM rubber to ensure drop tight sealing.
- Grade 431 stainless steel spindle for high strength and corrosion resistance.
- Dezincification resistant copper alloy seal housing incorporating dual O-ring seals and wiper ring for long life operation.
- Back seal facility to allow for replacement of seals under full operating pressure.
- Fusion bonded epoxy coating for long life corrosion protection.
- Straight through full bore to avoid debris traps.
- Isolated fasteners for corrosion protection.
- Anti-friction guide liners for low operating torques.
- Integral cast-in feet for safe and easy storage.
- Integral lifting lugs for installation convenience.
- Anticlockwise closing or clockwise closing available.
- Key or hand wheel operation available.



General Application

AUSLITE Resilient Seated Gate Valves are suitable for use with potable water and wastewater in below or above ground applications. Used for the isolation of sections and branches in pipelines.



Technical Data

Size Range:

DN 100 and DN 150

Allowable Operating Pressure:

1600kPa

Maximum Temperature:

40°C

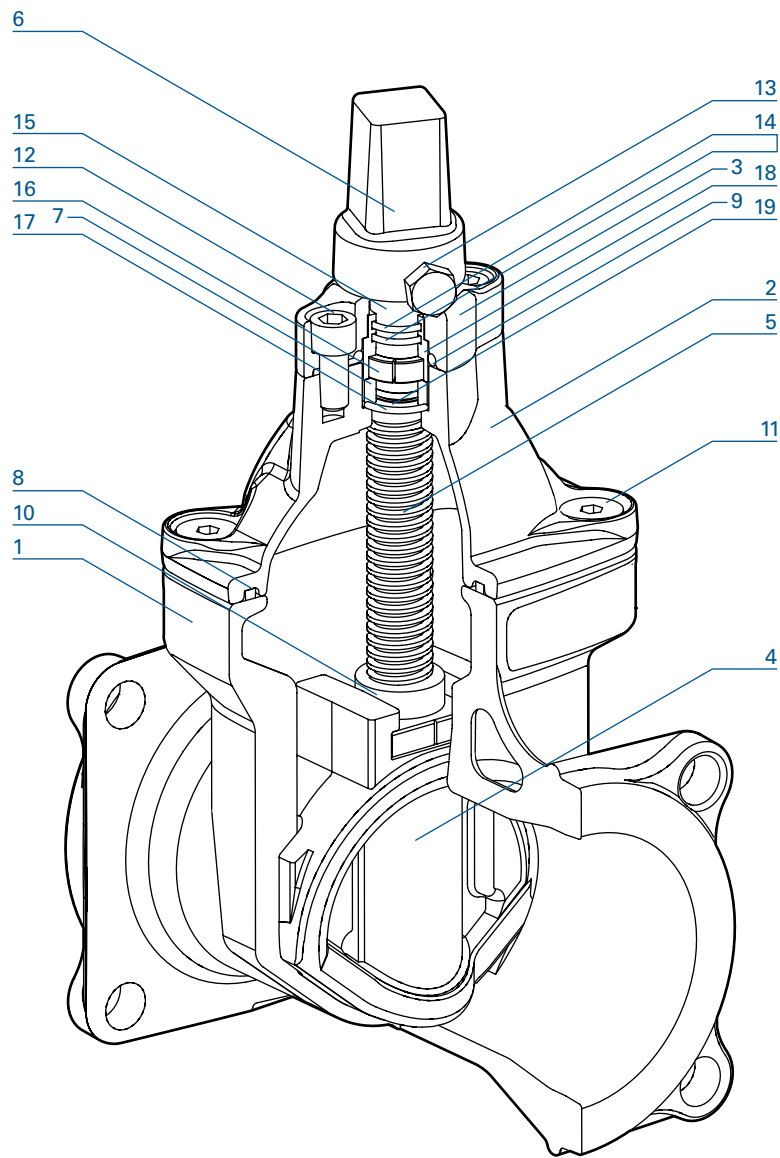
End Connections:

Flanged to AS 4087 Fig B5
TYTON® Socket

Certifications:

ISC AS 2638 Product Mark
Registration No. PRD/R61/0412/2
Certified to AS 4020 - suitable for
contact with drinking water.

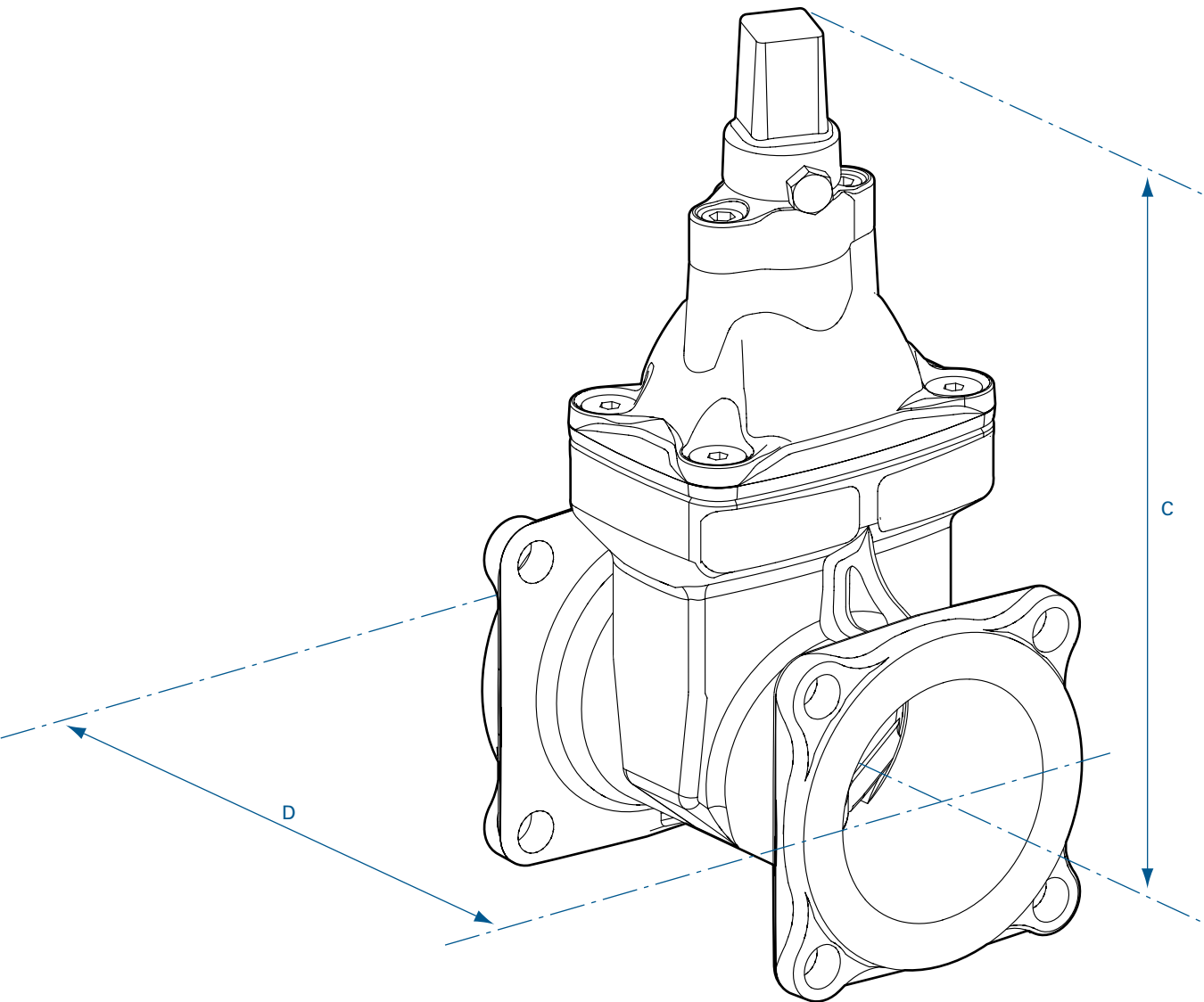
Resilient Seated Gate Valves – AUSLITE DN 100 and DN 150



Parts List

No	Description	Material	Standard
1	Body	Ductile Iron	AS 1831 400-15
2	Bonnet	Ductile Iron	AS 1831 400-15
3	Retaining Plate	Stainless Steel	ASTM A276 316
4	Wedge	Ductile Iron (EPDM Encapsulated)	AS 1831 400-15
5	Stem	Stainless Steel	ASTM A276 431
6	Stem Cap	Ductile Iron	AS 1831 400-15
7	Backseal Collar	Copper Alloy - Dezincification Resistant	AS 1567 C48600
8	Body Gasket	EPDM	AS 1646
9	Top Gasket	EPDM	AS 1646
10	Wedge Nut	Copper Alloy - Dezincification Resistant	AS 1567 C48600
11	Counter Sunk Screw	High Tensile Alloy Steel	-
12	Socket Head Cap Screw	High Tensile Alloy Steel	-
13	Hex Head Screw	Stainless Steel	ASTM A276 316
14	O-Ring	Nitrile Rubber	AS 1646
15	Wiper Ring	Nitrile Rubber	AS 1646
16	Collet Set	Copper Alloy - Dezincification Resistant	AS 1567 C48600
17	O-Ring	Nitrile Rubber	AS 1646
18	Seal Housing Bush	Copper Alloy - Dezincification Resistant	AS 1567 C48600
19	O-Ring	Nitrile Rubber	AS 1646

Resilient Seated Gate Valves – AUSLITE DN 100 and DN 150



Dimensions mm

Valve Size	C	D		Turns to Close	Torque to Seal Nm	Approx. Mass kg
		TYTON Socket Fig B5	Flange AS4087			
100	330	120	229	21	40	15
150	410	130	267	32	60	20

End Connections



DN 100
Socket



DN 100
Flange



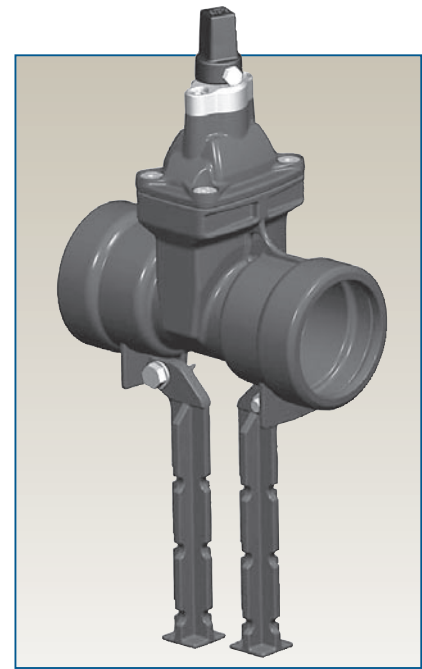
DN 150
Flange

Inside Screw Range – Class 16

DN	AUSLITE Key Operated			AUSLITE Handwheel Operated
	FL-FL	SC-SC	FL-SC	FL-FL
100	✓	✓	✓	✓
150	✓	✓	✓	✓
Coating				
Fusion Bonded Epoxy	✓	✓	✓	✓
Options				
Anticlockwise Closing	✓	✓	✓	
Clockwise Closing	✓	✓	✓	✓
Flange Drilling Fig B5 (TC)	✓		✓	✓

Recommended Specification

- Gate valves shall be resilient seated conforming to AS 2638.2.
- The allowable operating pressure shall be 1600kPa.
- Operation shall be by means of a key/handwheel.
- The direction of closing shall be anticlockwise/clockwise.
- The valve body and bonnet shall be cast in Ductile Iron and coated with a thermally applied polymeric coating to AS/NZS 4158.
- The gate shall be cast in Ductile Iron and fully encapsulated in EPDM rubber – partially coated wedges are not acceptable.
- The spindle shall be Grade 431 Stainless Steel incorporating a failsafe thrust collar.
- The spindle seal retainer shall be manufactured from a dezincification resistant copper alloy to AS 1567.
- The spindle seal shall be affected by a minimum of two O-rings, which can be replaced under full operating pressure.
- Fasteners shall be completely isolated from the external environment.
- Valves shall be manufactured under a product certification scheme and each valve marked in accordance with the certification body's requirements.



Anchor Legs

AUSLITE Valves can be fitted with anchor legs that allow the valve to be secured to a thrust block cast in place under the valve. Simply

- 1 Attach the anchor castings onto the body using the stainless steel fasteners provided.
- 2 Excavate an appropriate cross trench thrust block pit, adjusting the width to suit ground conditions.
- 3 Install the valve into the pipeline.
- 4 Pour concrete thrust block and allow to set.

Anchor legs are very easy to attach, simplify formwork and make thrust blocking AUSLITE Valves a breeze.