

DUAL WEDGE GATE VALVE



DUAL's Wedge Gate Valve is a medium duty general purpose Wedge Gate Valve and is highly suitable for various applications in mining, general industry, agriculture, fishing industry and for general marine applications. The Dual Wedge Gate Valve is ideal for use in controlling a wide variety of liquids and fluids. Trouble-free performance in continuous use applications ensures minimum maintenance and downtime.

PRODUCT SPECIFICATION

VALVE BODY: Cast SG Iron or High Chrome.

SIZE: DN50 - DN600.

MANUFACTURING STANDARDS: SABS 664, SABS 665.

SPINDLE: 304 Stainless Steel.

THRUST BEARINGS: To reduce operating torque.

MATERIAL CERTIFICATION: All vetted parts have certified chemical and physical test reports.

TESTING: All valves are tested per SABS specifications certified.

PRESSURE RATING: PN16, PN25, PN40 and PN60.

FLANGES: Flanges comply with AS, ANSI, DIN, BS and SABS.

LIFTING LUGS: Valves have lifting lugs/holes sized and located for safe hoisting of valve assembly.

BODY LINING (OPTIONAL): Rubber, Urethane or Ceramic.

FEATURES

- Valve body can be lined.
- Seals in both directions.
- No blocking or leakage.
- Wedge can be replaced in situ (replaceable seat).
- Metal seated gate valve.
- Epoxy coated.
- Seats hydraulic pressed in the wedge.
- Seat ring out of flow when in open position.
- Rising and non-rising spindle.
- Back seat to re-pack gland packing under pressure.
- Closing direction: clockwise or anti-clockwise.
- Full bore.
- Wedge for position seal.

RISING SPINDLE
OR NON RISING
SPINDLE TYPES



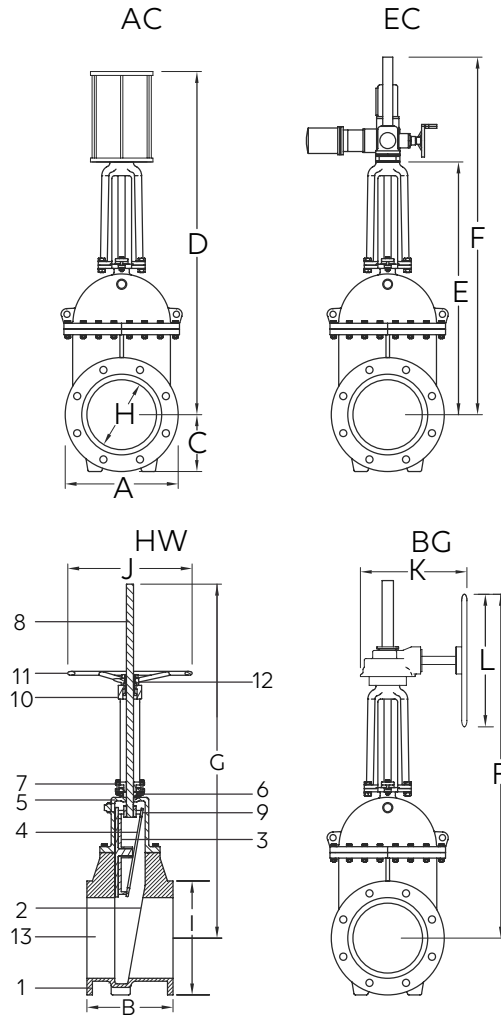
ACTUATORS

All types of actuators can be fitted, electric, gearbox, hydraulic, pneumatic or handwheel.

APPLICATIONS

- Mining and mineral processing.
- Power generation.
- Sand and gravel.
- Chemical and soda ash.
- Pulp and paper.
- Environmental and effluent.
- Water purification.

DIMENSIONS AND WEIGHTS



VALVE IN FULLY OPEN POSITION

ACCESSORIES

- Dust covers and PVC bellows to protect spindle.
- Flushing ports.

	PART	DESCRIPTION
1	Body	Cast SG Iron
2	Body Seat	Hydraulically pressed into wedge
3	Wedge Seat	Brass
4	Wedges	Cast SG Iron
5	Bonnet	Cast SG Iron
6	Packing	Graphite in Rope
7	Gland	Cast SG Iron
8	Spindle	Stainless Steel
9	Yoke Assembly	Mild Steel
10	Spindle Nut	Bronze
11	Handwheel	Cast SG Iron
12	Handwheel Nut	Carbon Steel
13	Body Lining	Rubber, Urethane or Ceramic

VALVE SIZE (mm)	A	F/F B	C	AC D	EC E	BG F	HW G	H	I	J	K	L	WEIGHT (kg)
50	170	216	85	559	300	370	5500	50	170	300	350	300	50
80	200	229	100	659	370	440	542	80	200	300	350	300	80
100	220	254	110	710	380	470	695	100	220	400	350	400	90
150	285	280	142	1003	610	661	900	150	285	500	350	400	90
200	340	317	170	1224	770	845	1104	200	340	500	350	400	100
250	405	356	202	1411	905	1014	1360	250	405	500	350	400	250
300	460	380	230	1615	1012	1120	1560	300	460	500	350	400	300
350	520	470	260	1745	1140	1230	1840	350	520	600	350	500	450
400	580	470	290	2016	1280	1355	1940	400	580	600	350	500	500
450	640	485	320	2300	1487	1600	2180	450	640	700	500	500	600
500	720	510	360	2579	1690	1706	2350	500	720	700	500	500	720
600	840	600	450	2750	1785	1885	2800	600	840	700	500	500	900

Contact Dual for larger sizes. Dimensions and weights are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated.



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