

# D180

Bronze Gate Valve  
Rising stem

PN32

D180

GENERAL VALVES

## Features & Benefits

- Crane gate valves offer the ultimate in dependable service wherever minimum pressure drop is important
- Conforms with BS EN12288:2010 and generally conforms with MSS SP 80.

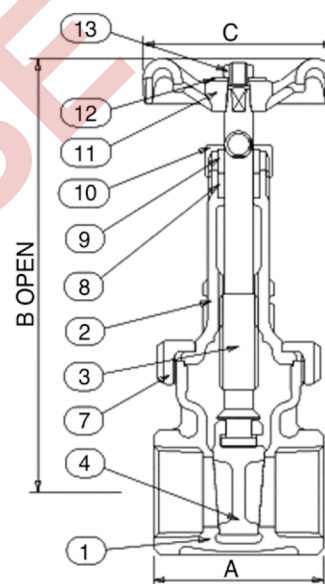
## Materials

PART	MATERIAL	SIZES
Body	Bronze BS EN 1982 CC491K	All
Bonnet	Bronze BS EN 1982 CC491K	All
Stem	Bronze BS EN 1982 CC491K	1/4 - 2
Stem	Bronze BS EN 12164 CW602N	2 1/2 & 3
Disc	Bronze BS EN 1982 CC491K	All
Union Ring	Bronze BS EN 1982 CC491K	1/4 - 2 only
Packing	Asbestos Free	All
Gland	Brass BS EN 12164 CW614N	All
Packing Nut	Brass BS EN 12164 CW614N	1/4 - 2
Packing Nut	Bronze BS EN 1982 CC491K	2 1/2 & 3
Handwheel	Aluminium	1/4 - 2
Handwheel	Malleable Iron BS EN 1562 GJMB-300-6	2 1/2 & 3
ID Plate	Aluminium	All
Handwheel Nut	Brass BS EN 12164 CW614N	All
Stud	Steel BS 970 070M20	2 1/2 & 3" only
Stud Nut	Steel BS 4190 Gr.4	2 1/2 & 3" only
Gasket	Asbestos Free	2 1/2 & 3" only

## Dimensions & Weights

SIZE (inch)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)
1/4	0.32	46	126	45
3/8	0.31	46	126	45
1/2	0.46	51	129	52
3/4	0.72	55	159	65
1	1.1	63	189	70
1 1/4	1.5	71	219	78
1 1/2	2.3	73	246	92
2	3.2	83	301	92
2 1/2	5.8	120	369	134
3	8.5	134	416	134

## Dimensional Drawing



## Pressure/Temperature Ratings

TEMPERATURE (°C)	-10 to 120	260
PRESSURE (BAR)	32	14

Intermediate pressure ratings shall be determined by interpolation.

**PRESSURE RATING:** PN32

**TEMPERATURE OPERATING RANGE:**  
-10 to 260°C

**UK END CONNECTION:** Taper threaded to BS EN 10226-2 (ISO 7-1) formerly BS 21

**US END CONNECTION:** ANSI B1.20.1

**OPERATOR:** Handwheel.

Gate valves are best for services that require infrequent valve operation, and where the disc is kept either fully opened or fully closed. They are not practical for throttling.

**SPECIFICATION:** Bronze Gate Valves Rising Stem, Solid Wedge, Union Bonnet, in accordance with BS EN 12288:2010 PN32 rated complete with Backseating feature. Valve Body, Bonnet and disc to Bronze to BS EN 1982 CC491K. Bronze Stem up to 2" and DZR Brass Stem for sizes 2 1/2" & 3". PTFE packing ring complete with Brass packing gland and nut design.

**MSS SP80 CONFORMANCE:** D180 complies with MSS SP 80, however, valve markings and threaded ends confirms with BS EN 12288:2010 only. D180.AT complies with threaded ends as well.

This valves is suitable for use on Group 2 Gas, Group 1 and Group 2 Liquids as defined by Pressure Equipment Directive 2014/68/EU, and Pressure Equipment (Safety) Regulations 2016, as amended.\*

Not suitable for use on Group 1 Gases or unstable liquids.

\*see Quality Assurance page for more information