



Product Overview

The Blaze BT 1407 OS&Y Metal Seated Gate Valve is a heavy-duty isolation valve designed for use in water distribution, industrial pipelines, and utility systems. Featuring an Outside Screw & Yoke (OS&Y) configuration, the valve provides clear stem position indication, making it ideal for applications requiring visual verification of valve status. Built to BS 5150 standards, it incorporates a metal-to-metal seat for durability in demanding environments. The valve is fully coated internally and externally with blue Fusion Bonded Epoxy (FBE) for excellent corrosion resistance and longterm performance.

Material List

No.	Part Name	Material	Specification
1	Body	Ductile Iron	EN-JS1050
2	Bonnet	Ductile Iron	EN-JS1050
3	Disc	Ductile Iron	EN-JS1050
4	Stem	Stainless Steel	BS970 420S37
5	Seat Ring	Bronze	-
6	Packing	Graphite	Non-Asbestos
7	Hand Wheel	Ductile Iron	EN-JS1050



Features

- Outside Screw & Yoke (OS&Y) design for clear stem position visibility
- Metal seated wedge for extended wear life and high durability
- Blue FBE coating (RAL 5015) applied internally and externally for corrosion protection
- Flanged ends to BS EN 1092-2 PN 16 standard
- Full bore design minimizes pressure loss
- Suitable for manual and actuator-driven operation
- Rugged construction for industrial and municipal applications

Applications

- Water distribution and transmission lines
- Wastewater and treated water systems
- Industrial and utility piping networks
- Fire protection systems (where metal seats are preferred)
- Pump stations and valve chambers
- Municipal infrastructure requiring visible valve status

Technical Details

- Design Standard: BS 5150
- Size Range: 2" to 12" (DN50 to DN300)
- Working Pressure: 16 Bar
- Flange Connection: BS EN 1092-2 PN 16
- Body Type: Outside Screw & Yoke (OS&Y)
- Seat Type: Metal seated wedge
- Coating: Fusion Bonded Epoxy (FBE), internal and external (Blue – RAL 5015)
- Medium: Water, wastewater, and neutral liquids
- Operation: Manual (handwheel/gearbox), actuator-ready



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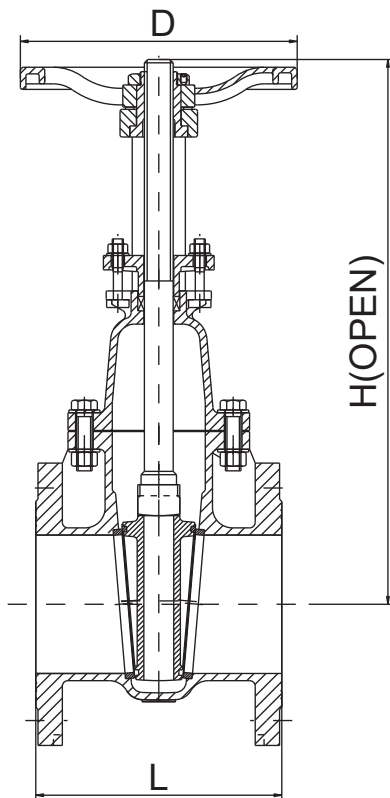
OS&Y Metal Seated Gate Valve

Model No. BT 1407

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2-1/2	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
H		253	295	356	411	489	563	704	865	995
D		160	160	200	200	250	250	280	370	370

Note: All dimensions are provided for informational purposes only. Please cross-check and confirm with the official technical drawings before installation or fabrication.



Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.