



Product Overview

The Blaze BT 1403 NRS Metal Seated Gate Valve is a robust and reliable isolation valve designed for high-performance applications in water supply, wastewater, and industrial systems. Featuring a non-rising stem (NRS) design and a durable metal-to-metal seating arrangement, this valve is ideal for demanding environments where resilient seats are not suitable. Designed in accordance with BS 5150, it ensures long-term service and minimal maintenance.

Material List

No.	Part Name	Material	Specification
1	Body	Ductile Iron	EN Spec
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

- Non-rising stem (NRS) design for space-efficient installations
- Metal seated wedge for high durability and wear resistance
- Compliant with BS 5150 design standard
- Full bore design to reduce pressure loss
- Epoxy blue coating (RAL 5015) for corrosion protection
- Flanged connection to PN 16 standard for compatibility
- Suitable for underground and aboveground installations
- Manual and actuator-operated options available

Size Range:
2" to 24" (DN50 to DN600)

Applications

- Water distribution and transmission pipelines
- Wastewater treatment plants
- Pumping stations and utility services
- Fire protection systems (where metal seat is required)
- Industrial process water systems
- Municipal and infrastructure water networks

Technical Specifications

- Design Standard: BS 5150
- Size Range: 2" to 24" (DN50 to DN600)
- Working Pressure: 16 Bar
- Flange Connection: BS EN 1092-2 PN 16
- Body Type: Non-Rising Stem (NRS)
- Seat Type: Metal seated wedge
- Coating: Blue Fusion Bonded Epoxy (FBE) coating applied internally and externally for enhanced corrosion protection (RAL 5015)
- Medium: Water, wastewater, and neutral liquids
- Operation: Manual (handwheel/gearbox), with electric actuator option



Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
inch		2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L		178	190	203	229	254	267	292	330	356	381	406	432	457	508
H		253	295	356	411	489	563	704	865	995	850	940	1039	1134	1280
D		160	160	200	200	250	250	280	370	370	460	460	460	640	900

Note: All dimensions are for informational purposes only. Final details should be verified with the approved technical drawings.

