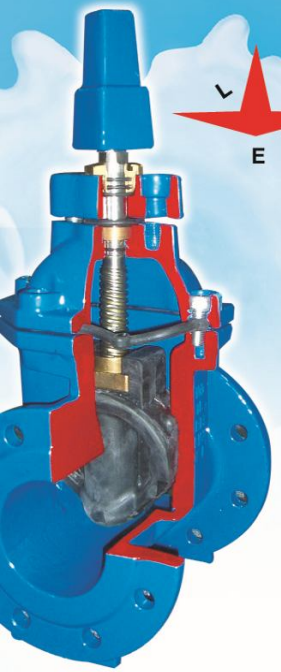


BS5163 PN16
RESILIENT SEAT
Non - Rising Stem Gate Valve TYPE B

LYE Resilient / Metal Seated Ductile Iron Gate Valve or commonly known as Sluice Valve is designed to comply with BS 5163 Type B.

ADVANTAGES OF LYE RESILIENT GATE VALVE

1. Straight through bore
   a) Full Flow - The clear bore in the open position ensures optimum flow characteristics through the valve thereby reducing head loss.
   b) Full Close - No accumulation of debris under the wedge enabling the valve to be fully closed.

2. Lower operating torque
   a) Savings on automatic operators.
   b) Less efforts required.

BS5163 PN16
METAL SEAT
Non - Rising Stem Gate Valve TYPE B

3. Dust seal prevent ingress of foreign object.

4. Rubber covered gate
   a) Drop tight closure.
   b) Would not be damaged by any foreign object.
   c) Gate chatter eliminated.

5. Internal and external body is coated with polymeric coating - fusion bonded epoxy coating, it gives excellent resistance to corrosion, abrasion, wear and tear.

6. Allow inspection and stem seal renewal under full operating pressure when gate is in open position.

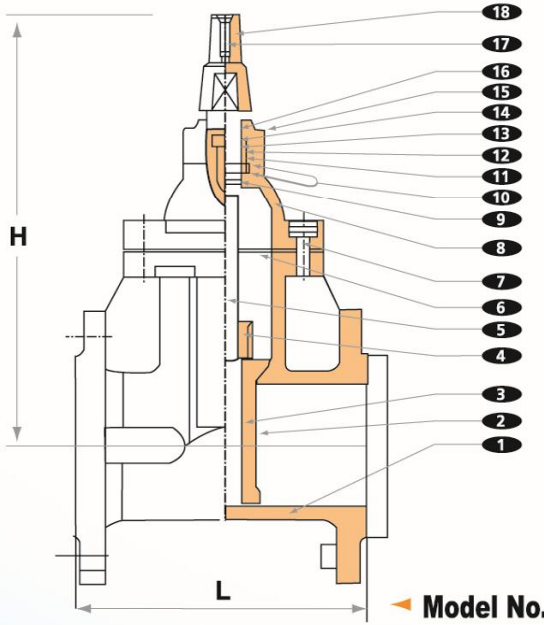
7. Protects stem housing, especially in buried service conditions.

8. Bolts sealed with wax to prevent corrosion.

TERIAL FOR MAIN PARTS

	COMPONENTS	MATERIAL	STANDARD	GRADE
	BODY	Ductile Iron	BS EN 1563	450/10, 500/7
	RUBBER COATING DN 50mm ~ 300mm	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	WEDGE	Ductile Iron	BS EN 1563	450/10, 500/7
	STEM NUT	Gun Metal	BS 1400	LG2
	STEM	Stainless Steel	BS 970:Part 1	431S29, 304S31
	GASKET	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	BOLTS	Steel Stainless Steel	BS 3692 BS 970:Part 1	Grade 5 431S29, 304S31
	BONNET	Ductile Iron	BS EN 1563	450/10, 500/7
	O-RING	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	TRUST COLLAR	Gun Metal	BS 1400	LG2
	O-RING	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	O-RING	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	SLEEVE	Gun Metal	BS 1400	LG2
	O-RING	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	GLAND	Ductile Iron	BS EN 1563	450/10, 500/7
	DUST-PROOF COVER	Rubber	MS 672:99 BS EN 681	Nitrile / EPDM (66-75 IRHD hardness)
	BOLTS	Steel Stainless Steel	BS 3692 BS 970:Part 1	Grade 5 431S29, 304S31
	CAP	Ductile Iron	BS EN 1563	450/10, 500/7

• DN 50mm ~ DN600mm - Resilient Seat



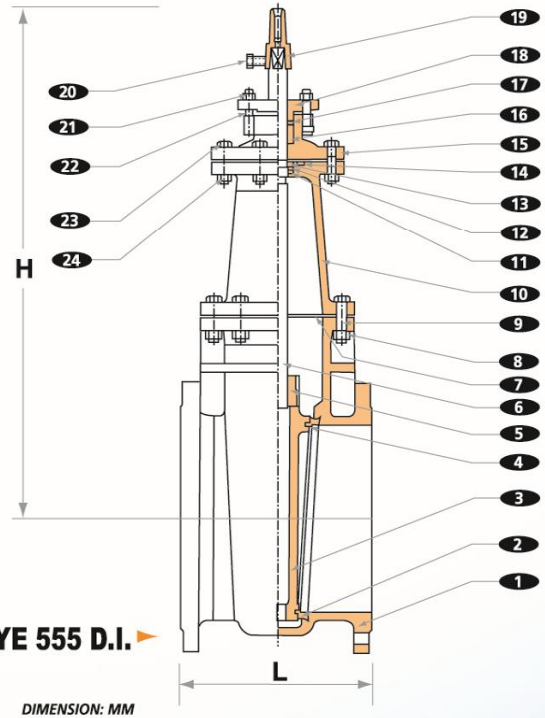
Model No. : LYE 555 D.I.

DIMENSION: MM

SIZE	50	80	100	150	200	250	300	350	400	450	500	600
L	178	203	229	267	292	330	356	381	406	650	700	800
H	344	399	421	512	598	701	784	940	1040	1144	1240	1436

Flanges designed and drilled according to BS4504 Table 16/11 or Table 10/11

• DN50mm ~ DN600mm - Metal Seat



DIMENSION: MM

SIZE	50	80	100	150	200	250	300	350	400	450	500	600
L	178	203	229	267	292	330	356	381	406	432	457	508
H	344	399	421	512	598	701	784	1118	1194	1297	1382	1580

Flanges designed and drilled according to BS4504 Table 16/11 or Table 10/11

MATERIAL FOR MAIN PARTS

ITEM	COMPONENTS	MATERIAL	STANDARD	GRADE
1	BODY	Ductile Iron	BS EN 1563	450/10, 5
2	SEAT SEALING	Gun Metal	BS 1400	LG2
3	WEDGE	Ductile Iron	BS EN 1563	450/10, 5
4	WEDGE SEALING	Gun Metal	BS 1400	LG2
5	STEM NUT	Gun Metal	BS 1400	LG2
6	STEM	Stainless Steel	BS 970	431S2
7	GASKET	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD h
8	NUT	Carbon Steel	BS 4190	
9	BOLT	Carbon Steel	BS 4190	
10	BONNET	Ductile Iron	BS EN 1563	450/10, 5
11	BACK SEAT	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD h
12	WASHER	Stainless Steel	304	
13	BEARING	Gun Metal	BS 1400	LG2
14	O RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD h
15	PACKING BOX	Ductile Iron	BS EN 1563	450/10, 5
16	O RING	Rubber	MS 672:99 BS EN 681	EPDM (66-75 IRHD h
17	COLLAR	Gun Metal	BS 1400	LG2
18	GLAND	Ductile Iron	BS EN 1563	450/10, 5
19	CAP	Ductile Iron	BS EN 1563	450/10, 5
20	BOLT	Carbon Steel	BS 4190	
21	NUT	Carbon Steel	BS 4190	
22	T-BOLT	Carbon Steel	BS 4190	
23	BOLT	Carbon Steel	BS 4190	
24	NUT	Carbon Steel	BS 4190	