# G 503

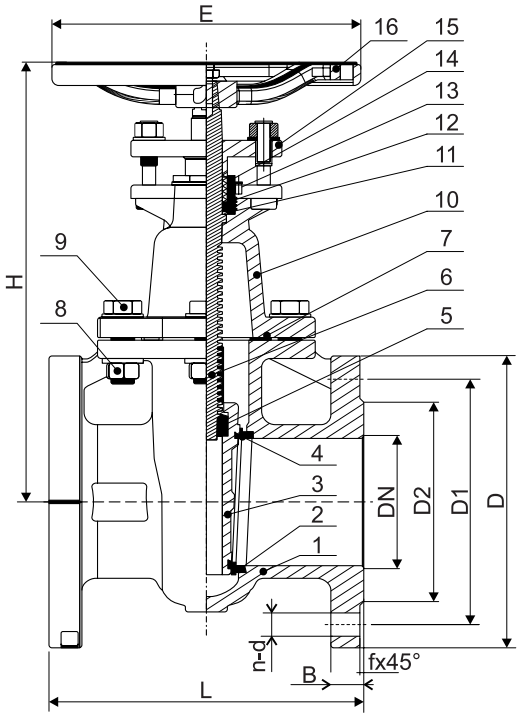
## DUCTILE IRON GATE VALVE

BS PN16 FLANGED
Non-Rising stem
Conforms to BS EN 1171:2002 PN16

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## Specifications:

- PRESSURE-TEMPERATURE RATING: 16 BAR AT -10 TO 120°C 12.8 BAR AT 200°C
- TEST PRESSURES HYDRAULIC: SHELL: 24 BAR, SEAT: 17.6 BAR
- DESIGN AND MANUFACTURE CONFORM TO BS5150 (BS EN 1171:2002 PN 16)
- FACE TO FACE DIMENSIONS CONFORM TO SERIES 3 OF BS EN 558-1
- FLANGE DRILLED CONFORM TO BS EN 1092-2 PN 16
- GATE VALVES ARE DESIGNED TO BE IN AN OPEN OR CLOSED POSITION
- SUITABLE MEDIA: WATER, OIL, AIR & STEAM
- COATING: FUSION BONDED EPOXY (FBE), DFT ≥ 250 µm.
- OPTIONAL: STEM AND STEM NUT IN BRONZE CC491K ON REQUEST

## Dimensions (mm)

| DN | L | D | D1 | D2 | f | B | E | n-d | H | WEIGHT (KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 178 | 165 | 125 | 99 | 3 | 20 | 180 | 4-19 | 256 | 13.2 |
| 65 | 190 | 185 | 145 | 118 | 3 | 20 | 180 | 4-19 | 268 | 17.2 |
| 80 | 203 | 200 | 160 | 132 | 3 | 22 | 220 | 8-19 | 316 | 20.5 |
| 100 | 229 | 220 | 180 | 156 | 3 | 24 | 220 | 8-19 | 348 | 33.8 |
| 125 | 254 | 250 | 210 | 184 | 3 | 26 | 254 | 8-19 | 407 | 46.5 |
| 150 | 267 | 285 | 240 | 211 | 3 | 26 | 285 | 8-23 | 445 | 53.8 |
| 200 | 292 | 340 | 295 | 266 | 3 | 30 | 325 | 12-23 | 556 | 90 |
| 250 | 330 | 405 | 355 | 319 | 3 | 32 | 400 | 12-28 | 682 | 152 |
| 300 | 356 | 460 | 410 | 370 | 4 | 32 | 400 | 12-28 | 768 | 225 |
| 350 | 381 | 520 | 470 | 429 | 4 | 26.5 | 560 | 16-28 | 858 | 335 |
| 400 | 406 | 580 | 525 | 480 | 4 | 28.0 | 560 | 16-31 | 934 | 361 |
| 450 | 432 | 640 | 585 | 548 | 4 | 30 | 640 | 20-31 | 1076 | 478 |
| 500 | 457 | 715 | 650 | 609 | 4 | 31.5 | 640 | 20-34 | 1150 | 598 |
| 600 | 508 | 840 | 770 | 720 | 5 | 36 | 640 | 20-37 | 1285 | 872 |

## Materials

| No. | DESCRIPTION | MATERIAL | STANDARD |
|---|---|---|---|
| 1 | Body | Ductile Iron | EN-GJS-500-7 |
| 2 | Body Seat Ring | Bronze | CC491K |
| 3 | Wedge | Ductile Iron | EN-GJS-500-7 |
| 4 | Wedge seat ring | Bronze | CC491K |
| 5 | Stem nut | Brass | CW603N |
| 6 | Stem | Brass | CW603N |
| 7 | Gasket | Graphite + SS | Non Asbestos+AISI 316 |
| 8 | Bolt | Stainless Steel | AISI 201 |
| 9 | Nut | Stainless Steel | AISI 201 |
| 10 | Bonnet | Ductile Iron | EN-GJS-500-7 |
| 11 | Washer | Teflon | Teflon |
| 12 | Bonnet Bush | Brass | CW603N |
| 13 | Stopper screw | Carbon Steel | BS970 43A |
| 14 | Packing | Graphite | Non Asbestos |
| 15 | Gland | Ductile Iron | EN-GJS-500-7 |
| 16 | Handwheel | Ductile Iron | EN-GJS-500-7 |

All data, descriptions and pictures contained in this leaflet may be subject to change without prior notice.
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