

| Order no. | Version | PN | Dimensions/DN | | | | | | | | | | |
|---------------|--|----|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| 3600 | with non-rising spindle | 10 | ● | ● | ● | ● | ● | ● | ● | | | | |
| | | 6 | | | | | | | | ● | ● | ● | ● |
| 3600EL | with non-rising spindle and adaptor for connecting electric actuator | 10 | | | ● | ● | ● | ● | ● | | | | |
| | | 6 | | | | | | | | ● | ● | ● | ● |

Ask for a special leaflet.

Resilient seated gate valve for many applications in for example sewage treatment plants, the paper industry, the mining industry, the chemical and animal feed stuff industries and for low viscosity fluids and dry products.

High corrosion resistance is ensured by the use of high grade stainless steel for the knife and spindle and epoxy powder coating for the grey cast iron body.

The Knife Gate Valve can be mounted either between two flanges in a pipeline or with an opposing flange at the end of a pipeline.

The bore is clear and unobstructed.

The valve can be operated with a handwheel, a key, an extension spindle or by an electrically powered actuator. Please specify as required.

Material and design features:

- | | |
|------------------------------------|---|
| 1 Body | of grey iron EN-GJL -250 according to EN 1561 (GG 250-DIN 1691) epoxy powder coated inside and outside (undivided up to DN 200) |
| 2 Thrust block | DN 50 - 200 of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400-DIN 1693) DN 250 - 400 of grey iron EN-GJL -250 according to EN 1561 (GG 250-DIN 1691) epoxy powder coated |
| 3 Stainless steel spindle | 1.4021, with rolled thread, long heavy duty spindle for high resistance to wear and tear |
| 4 Knife | stainless steel 1.4301, other materials on request |
| 5 Back rest | up to DN 200, of grey iron EN-GJL -250 according to EN 1561 (GG 250-DIN 1691) inside and outside epoxy powder coated |
| 6 Spindle nut | Rg 7 |
| 7 Tie bar | stainless steel 1.4021 |
| 8 Hexagon bolts | A 2 |
| 9 Hexagon nut | A 2 |
| Cross sealing and U-sealing | of elastomer |
| Friction washer | of POM |
| Handwheel | of grey iron EN-GJL -250 according to EN 1561 (GG 250-DIN 1691) epoxy powder coated |

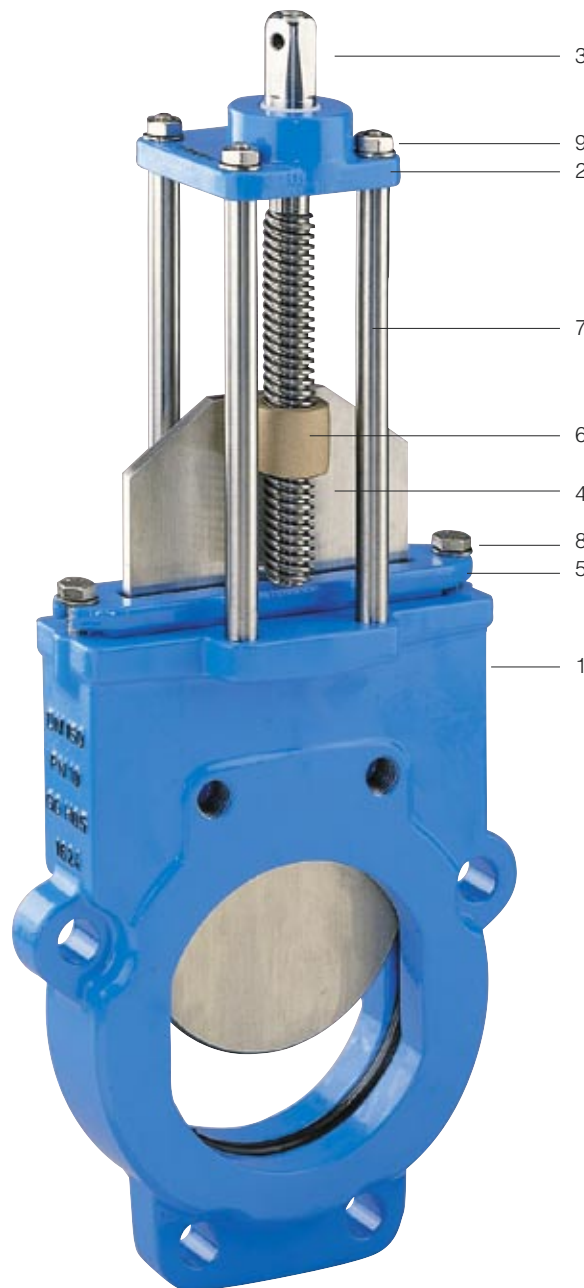


illustration DN 50 - 200

Flanges according to EN 1092-2, PN 10

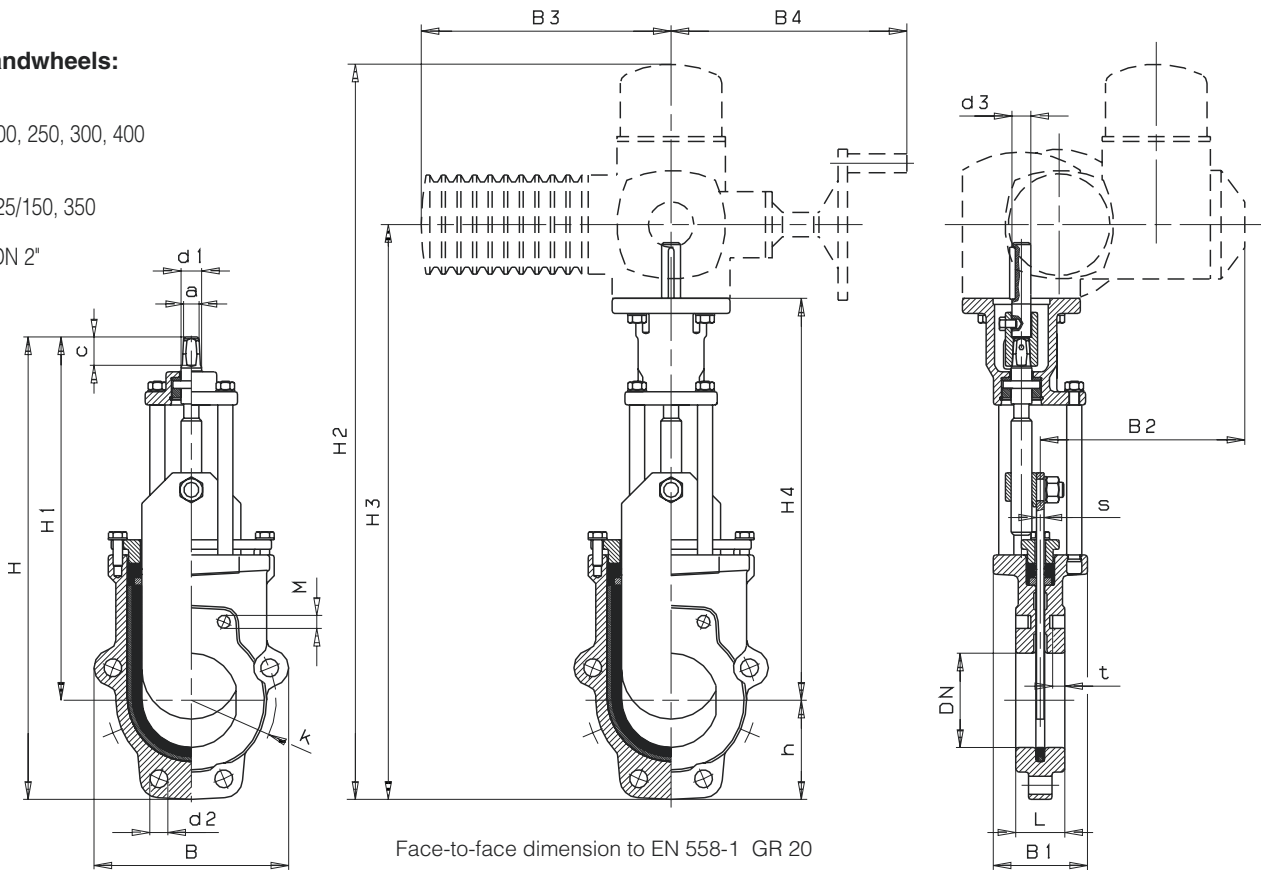
Knife Gate Valve

suitable handwheels:

No. 7840
DN 80, 100, 200, 250, 300, 400

No. 7800
DN 50*/65*, 125/150, 350

* = No. 7800 DN 2"



Face-to-face dimension to EN 558-1 GR 20

| Dimensions | DN | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
|--------------------------------|-------------------------------|-----------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Working pressure | PN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 6 | 6 |
| Flange | k | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 350 | 400 | 460 | 515 |
| | d2 | 19 | 19 | 19 | 19 | 19 | 23 | 23 | 23 | 23 | 23 | 28 |
| Bolts | Thread | M 16 | M 16 | M 16 | M 16 | M 16 | M 20 | M 20 | M 20 | M 20 | M 20 | M 24 |
| | Qty. | 2 | 2 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 10 | 10 |
| - Through bore holes | Qty | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 12 | 12 |
| | t Depth | 9,5 | 11 | 10 | 13 | 14 | 14 | 14 | 14 | 19 | 19 | 26 |
| Bolt length with washer | Through bore holes | 110 | 110 | 110 | 120 | 120 | 130 | 130 | 150 | 160 | 160 | 200 |
| | Blind tapped holes | 34 | 35 | 35 | 36 | 38 | 38 | 38 | 40 | 48 | 48 | 56 |
| Valve | H | 349 | 381 | 450 | 490 | 559 | 619 | 753 | 957 | 1081 | 1242 | 1353 |
| | h | 65 | 72 | 95 | 105 | 120 | 136 | 162 | 169 | 193 | 226 | 250 |
| | H 1 | 284 | 309 | 355 | 385 | 439 | 483 | 591 | 788 | 888 | 1016 | 1103 |
| | B | 125 | 139 | 188 | 206 | 234 | 268 | 319 | 347 | 399 | 462 | 512 |
| | L | 43 | 46 | 46 | 52 | 56 | 56 | 60 | 68 | 78 | 78 | 102 |
| | B 1 | 88 | 88 | 100 | 100 | 100 | 100 | 127 | 160 | 160 | 180 | 180 |
| Spindle | a | 10,3 | 10,3 | 16,3 | 16,3 | 19,3 | 19,3 | 19,3 | 24,3 | 24,3 | 27,3 | 27,3 |
| | c | 20 | 20 | 30 | 30 | 38 | 38 | 38 | 48 | 48 | 48 | 48 |
| | d 1 | 16 | 16 | 22 | 22 | 25 | 25 | 28 | 32 | 32 | 36 | 36 |
| Knife | s | 6 | 6 | 8 | 8 | 8 | 8 | 10 | 12 | 12 | 15 | 15 |
| Electric actuator | Type | | | SA07.5 | SA07.5 | SA07.5 | SA07.5 | SA10.1 | SA10.1 | SA10.1 | SA14.1 | SA14.1 |
| | H 2 | | | 739 | 779 | 852 | 912 | 1048 | 1256 | 1380 | 1584 | 1695 |
| | H 3 | | | 569 | 609 | 682 | 742 | 878 | 1086 | 1210 | 1404 | 1514 |
| | H 4 | | | 396 | 426 | 484 | 528 | 636 | 837 | 937 | 1068 | 1155 |
| | B 2 | | | 273 | 273 | 273 | 273 | 287 | 279 | 279 | 318 | 318 |
| | B 3 | | | 265 | 265 | 265 | 265 | 282 | 282 | 282 | 385 | 385 |
| | B 4 | | | 250 | 250 | 250 | 250 | 256 | 256 | 256 | 325 | 325 |
| | Open/close revolutions | | | 8 | 10 | 13 | 15 | 20 | 21 | 25 | 29 | 34 |
| | d 3 | | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 30 | 30 |
| | Weight kg | No. 3600 | 6,3 | 7,0 | 11,0 | 14,0 | 17,0 | 22,0 | 33,0 | 73,0 | 99,0 | 140,0 |
| No. 3600EL | | | | 13,0 | 16,0 | 19,5 | 24,5 | 36,0 | 76,0 | 102,0 | 144,0 | 184,0 |