

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN16, DN50-DN200

## KSD-GTF PN16-F4

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F4  
 Flange Dimensions acc. to DIN 2543  
 Inspection & test according to EN 12266-1

### » Temperature Range

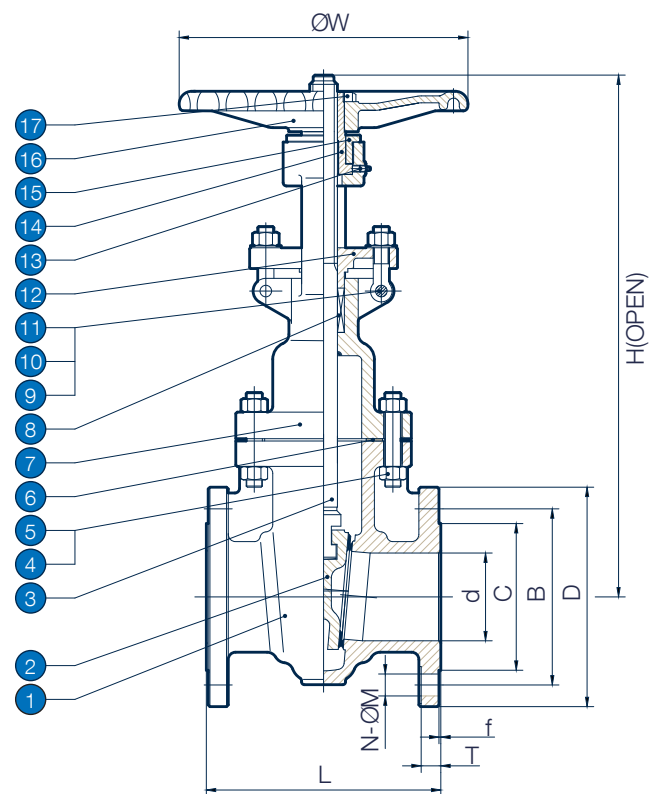
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |    |    |
| 50   | 2   | 50  | 165 | 125 | 102 | 200 | 150 | 410 | 18 | 3 | 4  | 18 |
| 65   | 2½  | 65  | 185 | 145 | 122 | 220 | 170 | 462 | 18 | 3 | 4  | 18 |
| 80   | 3   | 80  | 200 | 160 | 138 | 250 | 180 | 518 | 20 | 3 | 8  | 18 |
| 100  | 4   | 100 | 220 | 180 | 158 | 280 | 190 | 605 | 20 | 3 | 8  | 18 |
| 125  | 5   | 125 | 250 | 210 | 188 | 300 | 200 | 678 | 22 | 3 | 8  | 18 |
| 150  | 6   | 150 | 285 | 240 | 212 | 300 | 210 | 798 | 22 | 3 | 8  | 22 |
| 200  | 8   | 200 | 340 | 295 | 268 | 350 | 230 | 985 | 24 | 3 | 12 | 22 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN16, DN250-DN600

## KSD-GTF PN16-F4

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F4  
Flange Dimensions acc. to DIN 2543  
Inspection & test according to EN 12266-1

### » Temperature Range

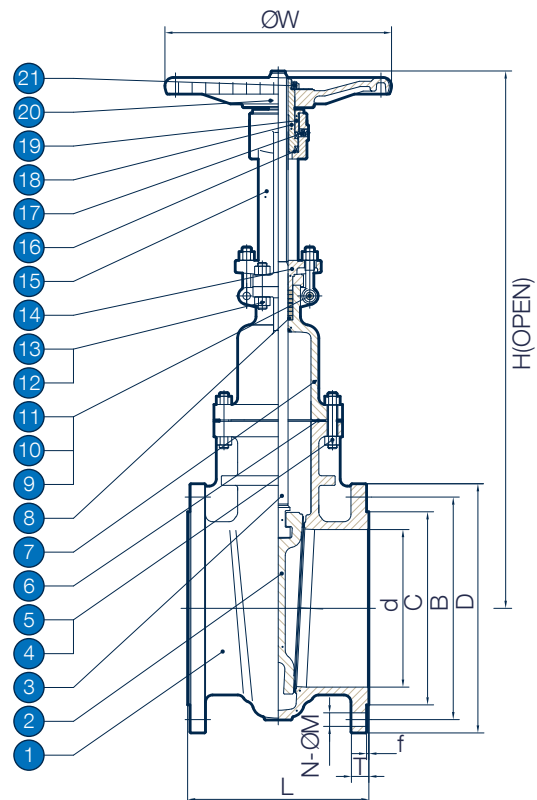
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | YOKE BOLT     | ASTM A193 B7            |
| 13 | YOKE NUT      | ASTM A194 2H            |
| 14 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 15 | YOKE          | DIN 17245 GS-C25        |
| 16 | BEARINGS      | ALLOY STEEL             |
| 17 | NIPPLE        | COPPER ALLOY            |
| 18 | STEM NUT      | ASTM A439 D2            |
| 19 | RETAINING NUT | AISI 1025               |
| 20 | HANDWHEEL     | DUCTILE IRON            |
| 21 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |
| 250  | 10  | 250 | 405 | 355 | 320 | 400 | 250 | 1114 | 26 | 3 | 12 | 26 |
| 300  | 12  | 300 | 460 | 410 | 378 | 450 | 270 | 1340 | 28 | 4 | 12 | 26 |
| 350  | 14  | 350 | 520 | 470 | 438 | 500 | 290 | 1550 | 30 | 4 | 16 | 26 |
| 400  | 16  | 400 | 580 | 525 | 490 | 550 | 310 | 1700 | 32 | 4 | 16 | 30 |
| 500  | 20  | 500 | 715 | 650 | 610 | 700 | 350 | 2110 | 36 | 4 | 20 | 33 |
| 600  | 24  | 600 | 840 | 770 | 725 | 700 | 390 | 2540 | 40 | 5 | 20 | 36 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN16, DN700-DN1000

## KSD-GTF PN16-F4

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F4  
Flange Dimensions acc. to DIN 2543  
Inspection & test according to EN 12266-1

### » Temperature Range

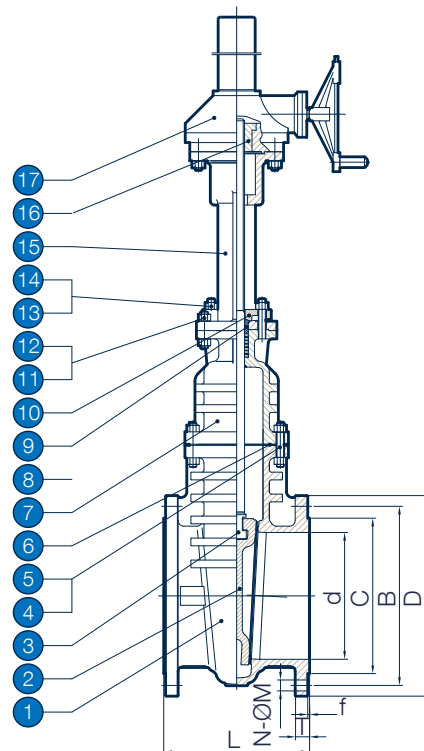
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME    | MATERIAL                |
|----|--------------|-------------------------|
| 1  | BODY         | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE        | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM         | ASTM A182 F6a           |
| 4  | BONNET BOLT  | ASTM A193 B7            |
| 5  | BONNET NUT   | ASTM A194 2H            |
| 6  | GASKET       | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET       | DIN 17245 GS-C25        |
| 8  | STEM PACKING | FLEXIBLE GRAPHITE       |
| 9  | GLAND        | ASTM A182 F6a           |
| 10 | GLAND FLANGE | DIN 17245 GS-C25        |
| 11 | BOLT         | ASTM A193 B7            |
| 12 | NUT          | ASTM A194 2H            |
| 13 | YOKE BOLT    | ASTM A193 B7            |
| 14 | YOKE NUT     | ASTM A194 2H            |
| 15 | YOKE         | DIN 17245 GS-C25        |
| 16 | STEM NUT     | ASTM A439 D2            |
| 17 | GEAR BOX     | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d    | D    | B    | C    | L   | T  | f | N  | M  |
|------|-----|------|------|------|------|-----|----|---|----|----|
| DN   | NPS |      |      |      |      |     |    |   |    |    |
| 700  | 28  | 700  | 910  | 840  | 795  | 430 | 42 | 5 | 24 | 36 |
| 800  | 32  | 800  | 1025 | 950  | 900  | 470 | 42 | 5 | 24 | 39 |
| 900  | 36  | 900  | 1125 | 1050 | 1000 | 510 | 44 | 5 | 28 | 39 |
| 1000 | 40  | 1000 | 1255 | 1170 | 1115 | 550 | 46 | 5 | 28 | 42 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN16, DN50-DN150

## KSD-GTF PN16-F5

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F5  
Flange Dimensions acc. to DIN 2543  
Inspection & test according to EN 12266-1

### » Temperature Range

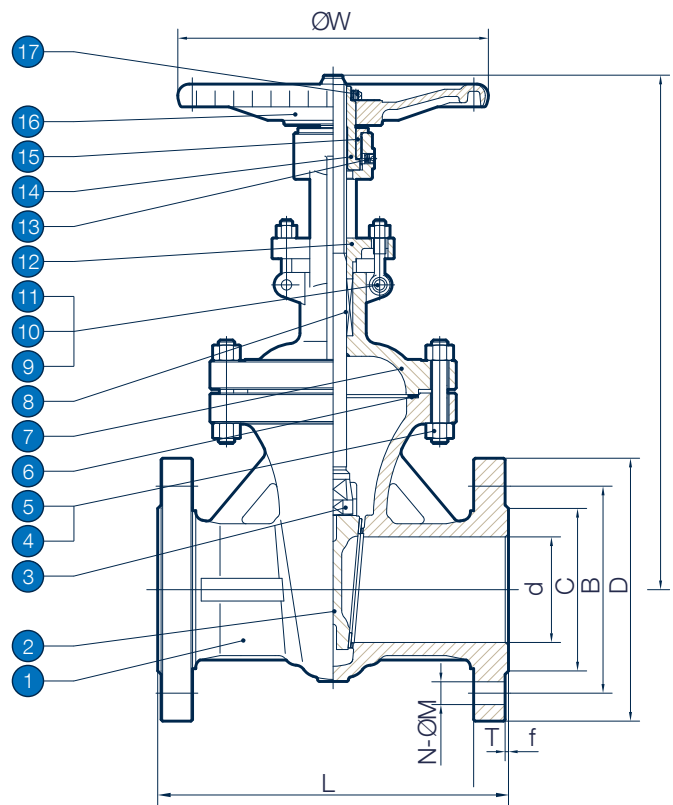
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N | M  | Weight (KG) |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|---|----|-------------|
| DN   | NPS |     |     |     |     |     |     |     |    |   |   |    |             |
| 50   | 2   | 50  | 165 | 125 | 102 | 200 | 250 | 410 | 18 | 3 | 4 | 18 | 21          |
| 65   | 2½  | 65  | 185 | 145 | 122 | 220 | 270 | 462 | 18 | 3 | 4 | 18 | 28          |
| 80   | 3   | 80  | 200 | 160 | 138 | 250 | 280 | 518 | 20 | 3 | 8 | 18 | 32          |
| 100  | 4   | 100 | 220 | 180 | 158 | 280 | 300 | 605 | 20 | 3 | 8 | 18 | 43          |
| 125  | 5   | 125 | 250 | 210 | 188 | 300 | 325 | 678 | 22 | 3 | 8 | 18 | 62          |
| 150  | 6   | 150 | 285 | 240 | 212 | 300 | 350 | 798 | 22 | 3 | 8 | 22 | 85          |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN16, DN200-DN600

**KSD-GTF PN16-F5**

## » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

## » Body Material

DIN 17245 GS-C25

## » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F5  
 Flange Dimensions acc. to DIN 2543  
 Inspection & test according to EN 12266-1

## » Temperature Range

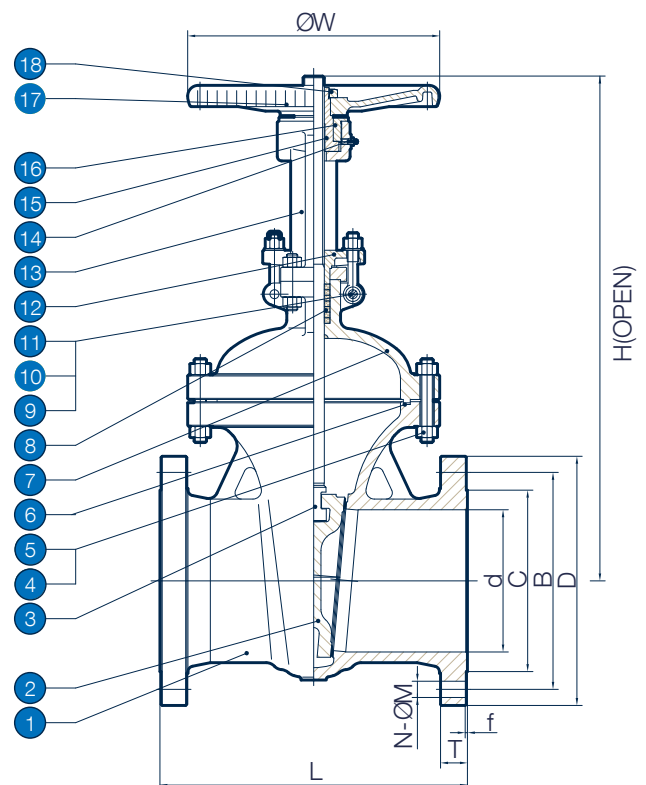
-20°C to 425°C (-4°F to 800°F)

## » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

## Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |



## Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  | Weight (KG) |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|-------------|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |             |
| 200  | 8   | 200 | 340 | 295 | 268 | 350 | 400 | 985  | 24 | 3 | 12 | 22 | 125         |
| 250  | 10  | 250 | 405 | 355 | 320 | 400 | 450 | 1114 | 26 | 3 | 12 | 26 | 175         |
| 300  | 12  | 300 | 460 | 410 | 378 | 450 | 500 | 1340 | 28 | 4 | 12 | 26 | 275         |
| 350  | 14  | 350 | 520 | 470 | 438 | 500 | 550 | 1550 | 30 | 4 | 16 | 26 | 390         |
| 400  | 16  | 400 | 580 | 525 | 490 | 550 | 600 | 1700 | 32 | 4 | 16 | 30 | 465         |
| 500  | 20  | 500 | 715 | 650 | 610 | 700 | 700 | 2110 | 36 | 4 | 20 | 33 | 825         |
| 600  | 24  | 600 | 840 | 770 | 725 | 700 | 800 | 2540 | 40 | 5 | 20 | 36 | 1450        |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN16, DN700-DN1000

**KSD-GTF PN16-F5**

## » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

## » Body Material

DIN 17245 GS-C25

## » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F5  
Flange Dimensions acc. to DIN 2543  
Inspection & test according to EN 12266-1

## » Temperature Range

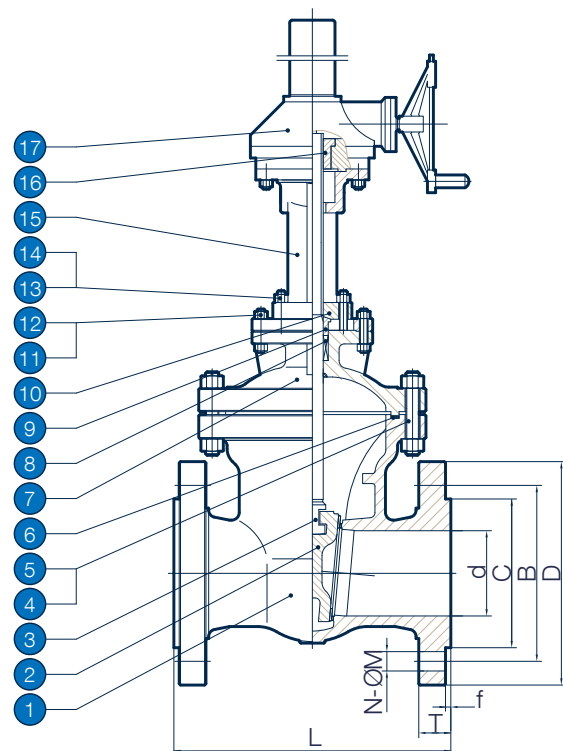
-20°C to 425°C (-4°F to 800°F)

## » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

## Materials List:

| NO | PART NAME    | MATERIAL                |
|----|--------------|-------------------------|
| 1  | BODY         | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE        | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM         | ASTM A182 F6a           |
| 4  | BONNET BOLT  | ASTM A193 B7            |
| 5  | BONNET NUT   | ASTM A194 2H            |
| 6  | GASKET       | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET       | DIN 17245 GS-C25        |
| 8  | STEM PACKING | FLEXIBLE GRAPHITE       |
| 9  | GLAND        | ASTM A182 F6a           |
| 10 | GLAND FLANGE | DIN 17245 GS-C25        |
| 11 | BOLT         | ASTM A193 B7            |
| 12 | NUT          | ASTM A194 2H            |
| 13 | YOKE BOLT    | ASTM A193 B7            |
| 14 | YOKE NUT     | ASTM A194 2H            |
| 15 | YOKE         | DIN 17245 GS-C25        |
| 16 | STEM NUT     | ASTM A439 D2            |
| 17 | GEAR BOX     | COMPONENTS              |



## Dimensions (mm):

| SIZE |     | d    | D    | B    | C    | L    | T  | f | N  | M  |
|------|-----|------|------|------|------|------|----|---|----|----|
| DN   | NPS |      |      |      |      |      |    |   |    |    |
| 700  | 28  | 700  | 910  | 840  | 795  | 900  | 42 | 5 | 24 | 36 |
| 800  | 32  | 800  | 1025 | 950  | 900  | 1000 | 42 | 5 | 24 | 39 |
| 900  | 36  | 900  | 1125 | 1050 | 1000 | 1100 | 44 | 5 | 28 | 39 |
| 1000 | 40  | 1000 | 1255 | 1170 | 1115 | 1200 | 46 | 5 | 28 | 42 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN25, DN50-DN150

## KSD-GTF PN25-F5

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F5  
Flange Dimensions acc. to DIN 2544  
Inspection & test according to EN 12266-1

### » Temperature Range

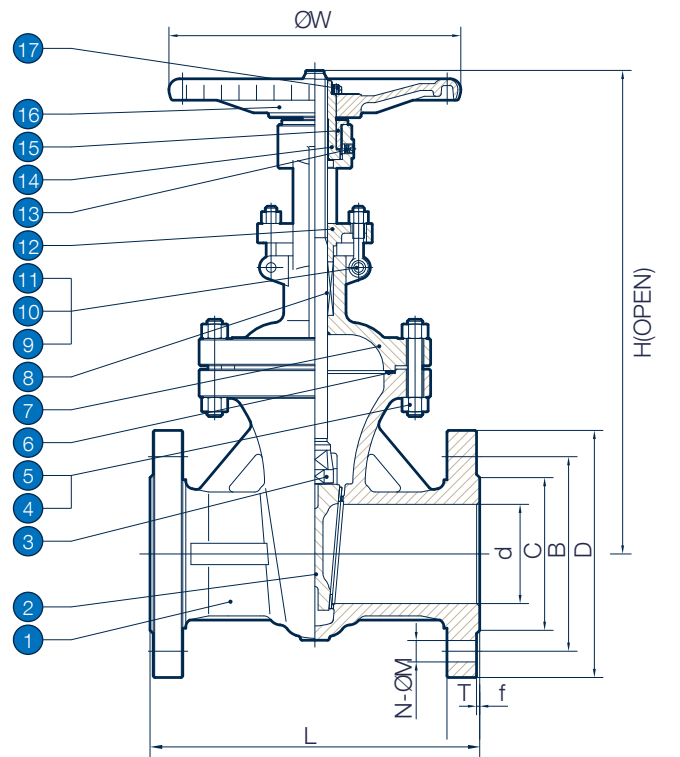
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|---|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |   |    |
| 50   | 2   | 50  | 165 | 125 | 102 | 200 | 250 | 410 | 20 | 3 | 4 | 18 |
| 65   | 2½  | 65  | 185 | 145 | 122 | 220 | 270 | 462 | 22 | 3 | 8 | 18 |
| 80   | 3   | 80  | 200 | 160 | 138 | 250 | 280 | 518 | 24 | 3 | 8 | 18 |
| 100  | 4   | 100 | 235 | 190 | 162 | 280 | 300 | 605 | 24 | 3 | 8 | 22 |
| 125  | 5   | 125 | 270 | 220 | 188 | 300 | 325 | 678 | 26 | 3 | 8 | 26 |
| 150  | 6   | 150 | 300 | 250 | 218 | 300 | 350 | 798 | 28 | 3 | 8 | 26 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN25, DN200-DN600

## KSD-GTF PN25-F5

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F5  
Flange Dimensions acc. to DIN 2544  
Inspection & test according to EN 12266-1

### » Temperature Range

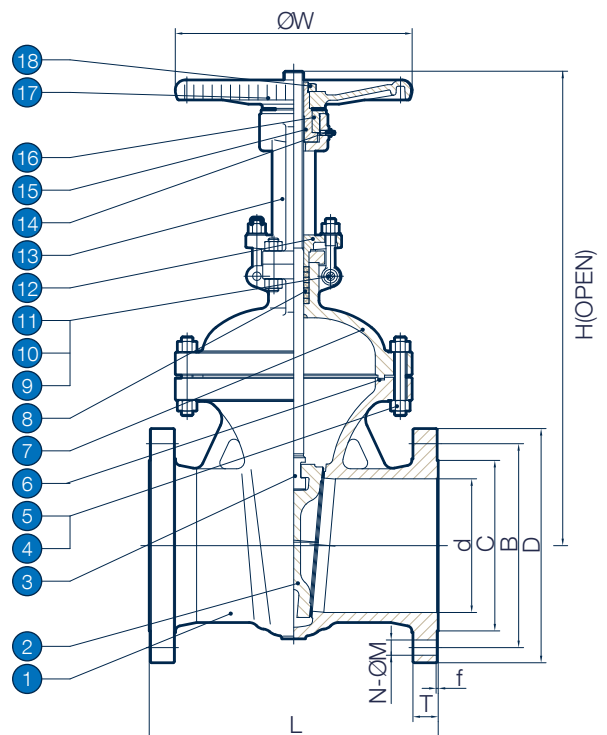
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |
| 200  | 8   | 200 | 360 | 310 | 278 | 350 | 400 | 985  | 30 | 3 | 12 | 26 |
| 250  | 10  | 250 | 425 | 370 | 335 | 400 | 450 | 1114 | 32 | 3 | 12 | 30 |
| 300  | 12  | 300 | 485 | 430 | 395 | 450 | 500 | 1340 | 34 | 4 | 16 | 30 |
| 350  | 14  | 350 | 555 | 490 | 450 | 500 | 550 | 1550 | 38 | 4 | 16 | 33 |
| 400  | 16  | 400 | 620 | 550 | 505 | 550 | 600 | 1700 | 40 | 4 | 16 | 36 |
| 500  | 20  | 500 | 730 | 660 | 615 | 700 | 700 | 2110 | 44 | 4 | 20 | 36 |
| 600  | 24  | 600 | 845 | 770 | 720 | 700 | 800 | 2540 | 46 | 5 | 20 | 39 |



# GATE VALVE

Cast Steel OS&Y to DIN  
PN25, DN700-DN1000

## KSD-GTF PN25-F5

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F5  
Flange Dimensions acc. to DIN 2544  
Inspection & test according to EN 12266-1

### » Temperature Range

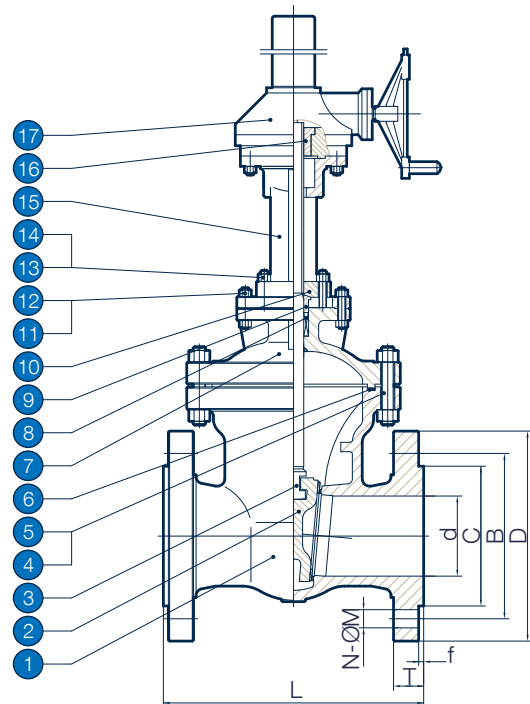
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME    | MATERIAL                |
|----|--------------|-------------------------|
| 1  | BODY         | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE        | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM         | ASTM A182 F6a           |
| 4  | BONNET BOLT  | ASTM A193 B7            |
| 5  | BONNET NUT   | ASTM A194 2H            |
| 6  | GASKET       | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET       | DIN 17245 GS-C25        |
| 8  | STEM PACKING | FLEXIBLE GRAPHITE       |
| 9  | GLAND        | ASTM A182 F6a           |
| 10 | GLAND FLANGE | DIN 17245 GS-C25        |
| 11 | BOLT         | ASTM A193 B7            |
| 12 | NUT          | ASTM A194 2H            |
| 13 | YOKE BOLT    | ASTM A193 B7            |
| 14 | YOKE NUT     | ASTM A194 2H            |
| 15 | YOKE         | DIN 17245 GS-C25        |
| 16 | STEM NUT     | ASTM A439 D2            |
| 17 | GEAR BOX     | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d    | D    | B    | C    | L    | T  | f | N  | M  |
|------|-----|------|------|------|------|------|----|---|----|----|
| DN   | NPS |      |      |      |      |      |    |   |    |    |
| 700  | 28  | 700  | 960  | 875  | 820  | 900  | 50 | 5 | 24 | 42 |
| 800  | 32  | 800  | 1085 | 990  | 930  | 1000 | 54 | 5 | 24 | 48 |
| 900  | 36  | 900  | 1185 | 1090 | 1030 | 1100 | 58 | 5 | 28 | 48 |
| 1000 | 40  | 1000 | 1320 | 1210 | 1140 | 1200 | 62 | 5 | 28 | 56 |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN40, DN50-DN150

## KSD-GTF PN40-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to DIN 2545  
 Inspection & test according to EN 12266-1

### » Temperature Range

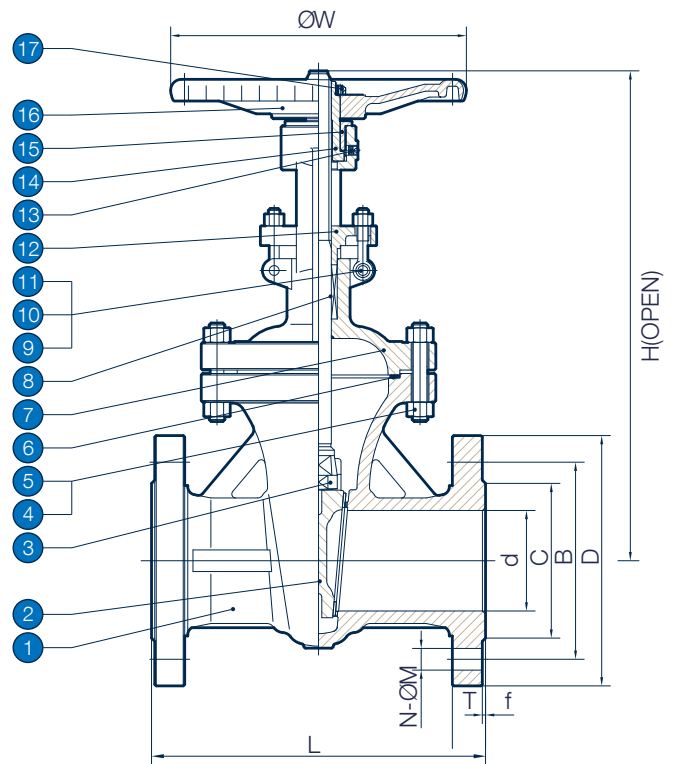
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|---|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |   |    |
| 50   | 2   | 50  | 165 | 125 | 102 | 200 | 250 | 410 | 20 | 3 | 4 | 18 |
| 65   | 2½  | 65  | 185 | 145 | 122 | 220 | 290 | 462 | 22 | 3 | 8 | 18 |
| 80   | 3   | 80  | 200 | 160 | 138 | 250 | 310 | 518 | 24 | 3 | 8 | 18 |
| 100  | 4   | 100 | 235 | 190 | 162 | 280 | 350 | 605 | 24 | 3 | 8 | 22 |
| 125  | 5   | 125 | 270 | 220 | 188 | 300 | 400 | 678 | 26 | 3 | 8 | 26 |
| 150  | 6   | 150 | 300 | 250 | 218 | 300 | 450 | 798 | 28 | 3 | 8 | 26 |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN40, DN200-DN600

**KSD-GTF PN40-F7**

## » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

## » Body Material

DIN 17245 GS-C25

## » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to DIN 2545  
 Inspection & test according to EN 12266-1

## » Temperature Range

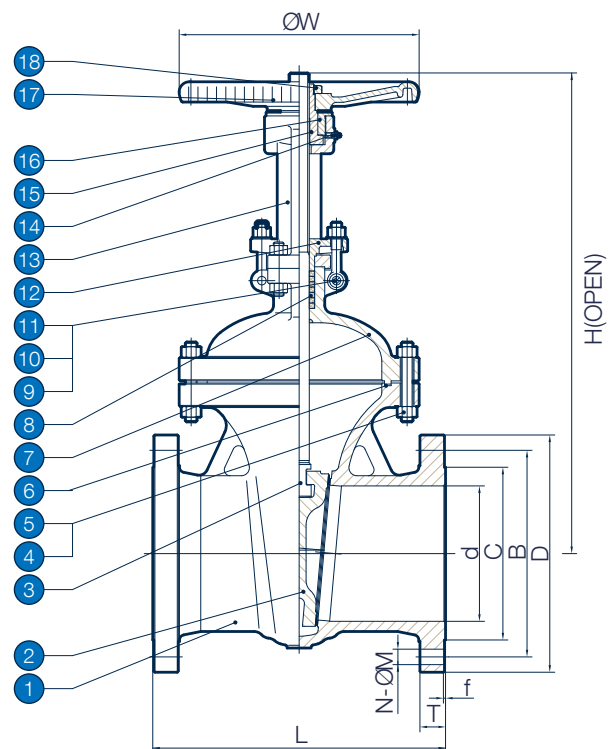
-20°C to 425°C (-4°F to 800°F)

## » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

## Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |



## Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L    | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|------|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |      |      |    |   |    |    |
| 200  | 8   | 200 | 375 | 320 | 285 | 400 | 550  | 1015 | 34 | 3 | 12 | 30 |
| 250  | 10  | 250 | 450 | 385 | 345 | 450 | 650  | 1220 | 38 | 3 | 12 | 33 |
| 300  | 12  | 300 | 515 | 450 | 410 | 500 | 750  | 1440 | 42 | 4 | 16 | 33 |
| 350  | 14  | 350 | 580 | 510 | 465 | 550 | 850  | 1600 | 46 | 4 | 16 | 36 |
| 400  | 16  | 400 | 660 | 585 | 535 | 550 | 950  | 1780 | 50 | 4 | 16 | 39 |
| 500  | 20  | 500 | 755 | 670 | 615 | 700 | 1150 | 2200 | 52 | 4 | 20 | 42 |
| 600  | 24  | 600 | 890 | 795 | 735 | 700 | 1350 | 2650 | 60 | 5 | 20 | 48 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN40, DN700-DN1000

## KSD-GTF PN40-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F7  
Flange Dimensions acc. to DIN 2545  
Inspection & test according to EN 12266-1

### » Temperature Range

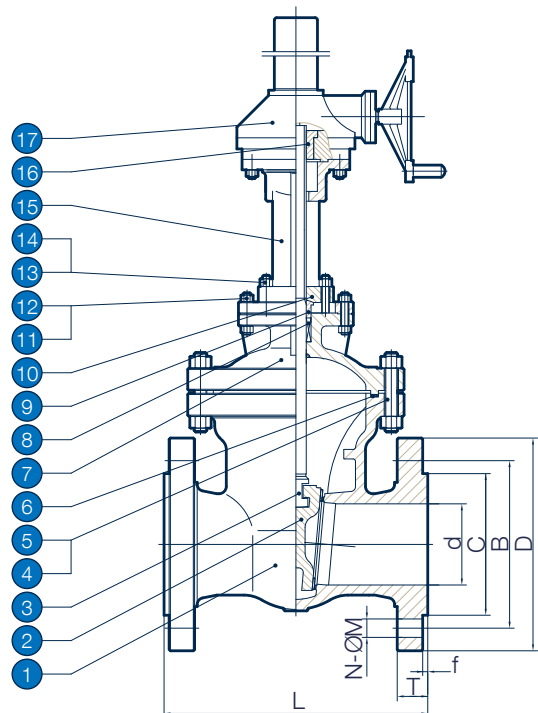
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME    | MATERIAL                |
|----|--------------|-------------------------|
| 1  | BODY         | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE        | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM         | ASTM A182 F6a           |
| 4  | BONNET BOLT  | ASTM A193 B7            |
| 5  | BONNET NUT   | ASTM A194 2H            |
| 6  | GASKET       | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET       | DIN 17245 GS-C25        |
| 8  | STEM PACKING | FLEXIBLE GRAPHITE       |
| 9  | GLAND        | ASTM A182 F6a           |
| 10 | GLAND FLANGE | DIN 17245 GS-C25        |
| 11 | BOLT         | ASTM A193 B7            |
| 12 | NUT          | ASTM A194 2H            |
| 13 | YOKE BOLT    | ASTM A193 B7            |
| 14 | YOKE NUT     | ASTM A194 2H            |
| 15 | YOKE         | DIN 17245 GS-C25        |
| 16 | STEM NUT     | ASTM A439 D2            |
| 17 | GEAR BOX     | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d    | D    | B    | C    | L    | T  | f | N  | M  |
|------|-----|------|------|------|------|------|----|---|----|----|
| DN   | NPS |      |      |      |      |      |    |   |    |    |
| 700  | 28  | 700  | 995  | 900  | 840  | 1550 | 64 | 5 | 24 | 48 |
| 800  | 32  | 800  | 1140 | 1030 | 960  | 1750 | 72 | 5 | 24 | 56 |
| 900  | 36  | 900  | 1250 | 1140 | 1070 | 1950 | 76 | 5 | 28 | 56 |
| 1000 | 40  | 1000 | 1360 | 1250 | 1180 | 2150 | 80 | 5 | 28 | 56 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN63, DN50-DN150

## KSD-GTF PN63-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F7  
Flange Dimensions acc. to EN 1092-1  
Inspection & test according to EN 12266-1

### » Temperature Range

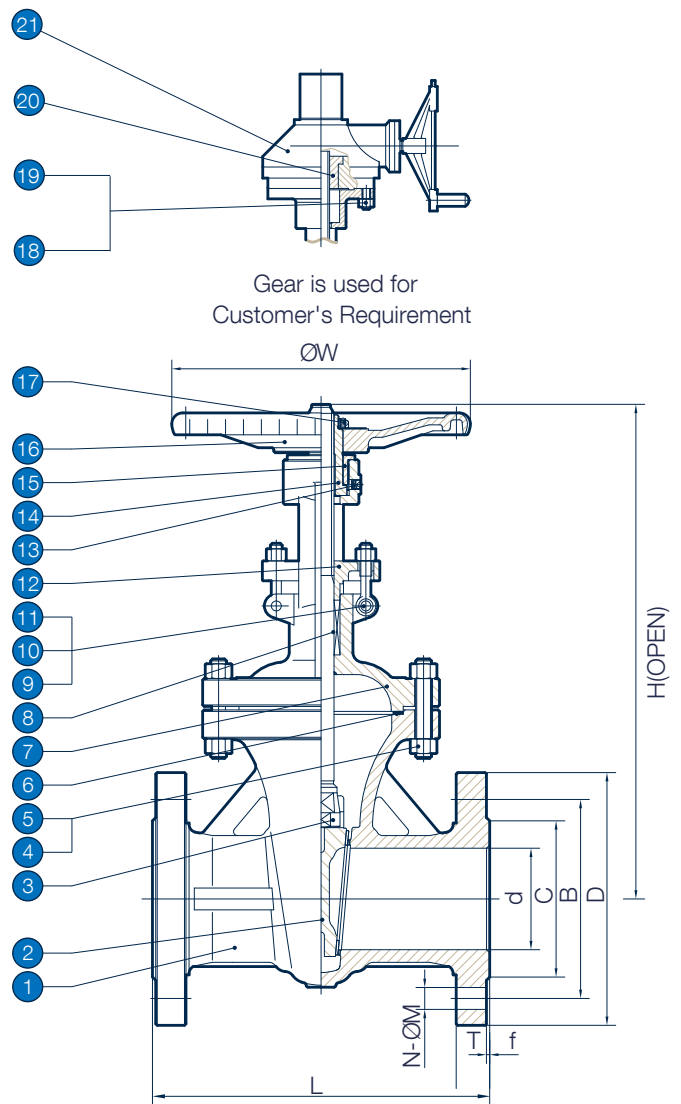
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |
| 18 | NUT           | ASTM A194 2H            |
| 19 | BOLT          | ASTM A193 B7            |
| 20 | STEM NUT      | COPPER ALLOY            |
| 21 | GEAR BOX      | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|---|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |   |    |
| 50   | 2   | 50  | 180 | 135 | 102 | 200 | 250 | 410 | 26 | 3 | 4 | 22 |
| 65   | 2½  | 65  | 205 | 160 | 122 | 220 | 290 | 462 | 28 | 3 | 8 | 22 |
| 80   | 3   | 80  | 215 | 170 | 138 | 250 | 310 | 518 | 30 | 3 | 8 | 22 |
| 100  | 4   | 100 | 250 | 200 | 162 | 280 | 350 | 605 | 32 | 3 | 8 | 26 |
| 125  | 5   | 125 | 295 | 240 | 188 | 300 | 400 | 678 | 34 | 3 | 8 | 30 |
| 150  | 6   | 150 | 345 | 280 | 218 | 300 | 450 | 798 | 36 | 3 | 8 | 33 |

# GATE VALVE

Cast Steel OS&Y to DIN  
PN63, DN200-DN400

## KSD-GTF PN63-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
Single flexible wedge disc compensates for deformation of body due to pipe stresses  
Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
Face-to-Face acc. to DIN 3202-F7  
Flange Dimensions acc. to EN 1092-1  
Inspection & test according to EN 12266-1

### » Temperature Range

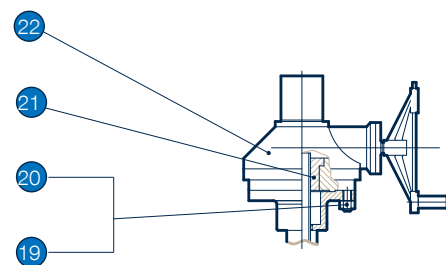
-20°C to 425°C (-4°F to 800°F)

### » Note

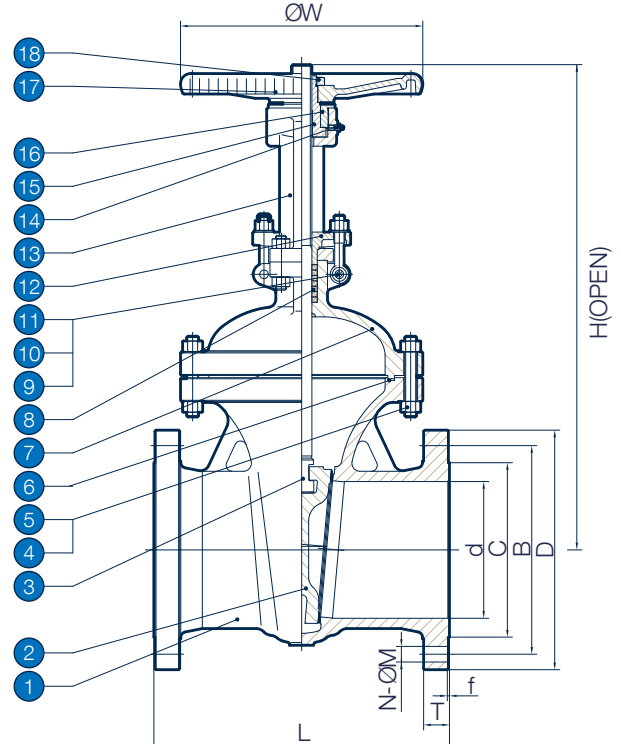
For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |
| 19 | NUT           | ASTM A194 2H            |
| 20 | BOLT          | ASTM A193 B7            |
| 21 | STEM NUT      | COPPER ALLOY            |
| 22 | GEAR BOX      | COMPONENTS              |



Gear is used for  
Customer's Requirement



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |
| 200  | 8   | 200 | 415 | 345 | 285 | 400 | 550 | 1015 | 42 | 3 | 12 | 36 |
| 250  | 10  | 250 | 470 | 400 | 345 | 450 | 650 | 1220 | 46 | 3 | 12 | 36 |
| 300  | 12  | 300 | 530 | 460 | 410 | 500 | 750 | 1440 | 52 | 4 | 16 | 36 |
| 350  | 14  | 350 | 600 | 525 | 465 | 550 | 850 | 1600 | 56 | 4 | 16 | 39 |
| 400  | 16  | 400 | 670 | 585 | 535 | 550 | 950 | 1780 | 60 | 4 | 16 | 42 |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN100, DN50-DN150

## KSD-GTF PN100-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to EN 1092-1  
 Inspection & test according to EN 12266-1

### » Temperature Range

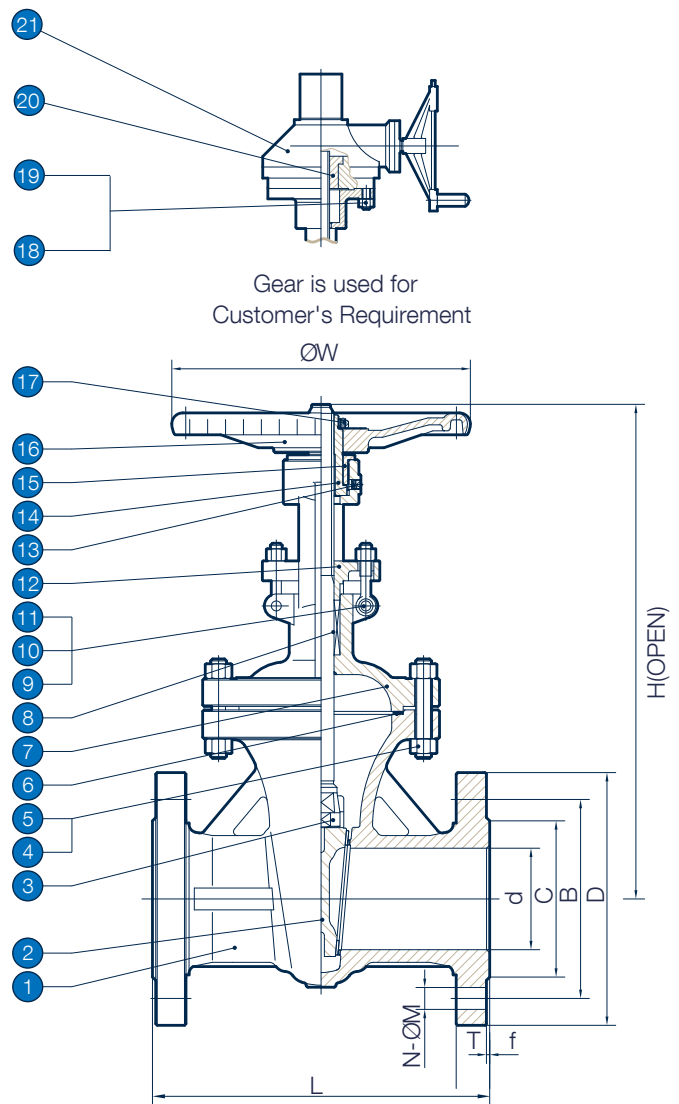
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |
| 18 | NUT           | ASTM A194 2H            |
| 19 | BOLT          | ASTM A193 B7            |
| 20 | STEM NUT      | COPPER ALLOY            |
| 21 | GEAR BOX      | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |    |    |
| 50   | 2   | 50  | 195 | 145 | 102 | 220 | 250 | 440 | 30 | 3 | 4  | 26 |
| 65   | 2½  | 65  | 220 | 170 | 122 | 250 | 290 | 480 | 34 | 3 | 8  | 26 |
| 80   | 3   | 80  | 230 | 180 | 138 | 280 | 310 | 525 | 36 | 3 | 8  | 26 |
| 100  | 4   | 100 | 265 | 210 | 162 | 300 | 350 | 625 | 40 | 3 | 8  | 30 |
| 125  | 5   | 125 | 315 | 250 | 188 | 400 | 400 | 740 | 40 | 3 | 8  | 33 |
| 150  | 6   | 150 | 355 | 290 | 218 | 450 | 450 | 810 | 44 | 3 | 12 | 33 |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN100, DN200-DN350

## KSD-GTF PN100-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to EN 1092-1  
 Inspection & test according to EN 12266-1

### » Temperature Range

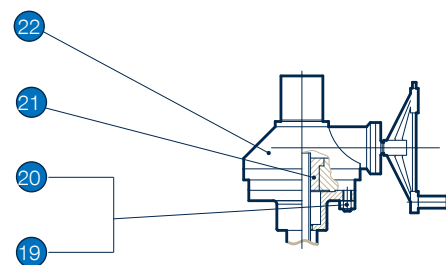
-20°C to 425°C (-4°F to 800°F)

### » Note

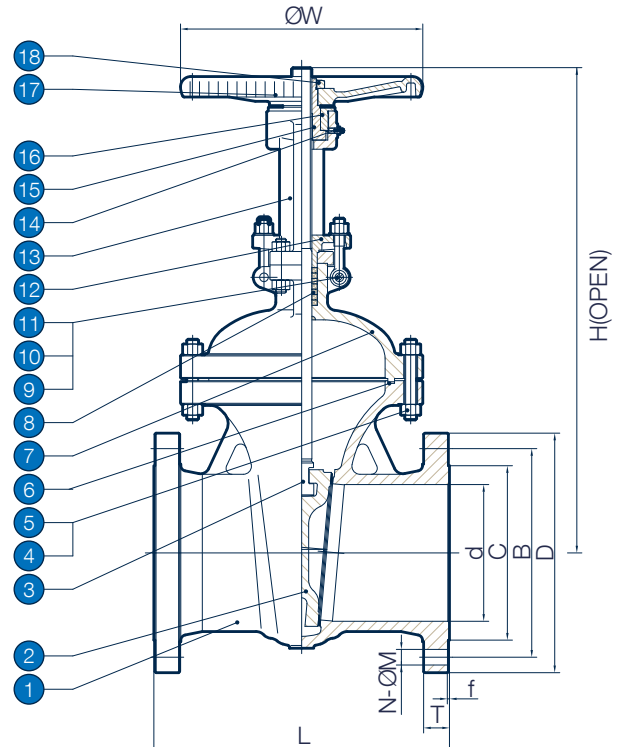
For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |
| 19 | NUT           | ASTM A194 2H            |
| 20 | BOLT          | ASTM A193 B7            |
| 21 | STEM NUT      | COPPER ALLOY            |
| 22 | GEAR BOX      | COMPONENTS              |



Gear is used for  
 Customer's Requirement



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |
| 200  | 8   | 200 | 430 | 360 | 285 | 400 | 550 | 1015 | 52 | 3 | 12 | 36 |
| 250  | 10  | 250 | 505 | 430 | 345 | 450 | 650 | 1220 | 60 | 3 | 12 | 39 |
| 300  | 12  | 300 | 585 | 500 | 410 | 500 | 750 | 1440 | 68 | 4 | 16 | 42 |
| 350  | 14  | 350 | 655 | 560 | 465 | 550 | 850 | 1600 | 74 | 4 | 16 | 48 |



# GATE VALVE

Cast Steel OS&Y to DIN  
 PN160, DN50-DN150

## KSD-GTF PN160-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to EN 1092-1  
 Inspection & test according to EN 12266-1

### » Temperature Range

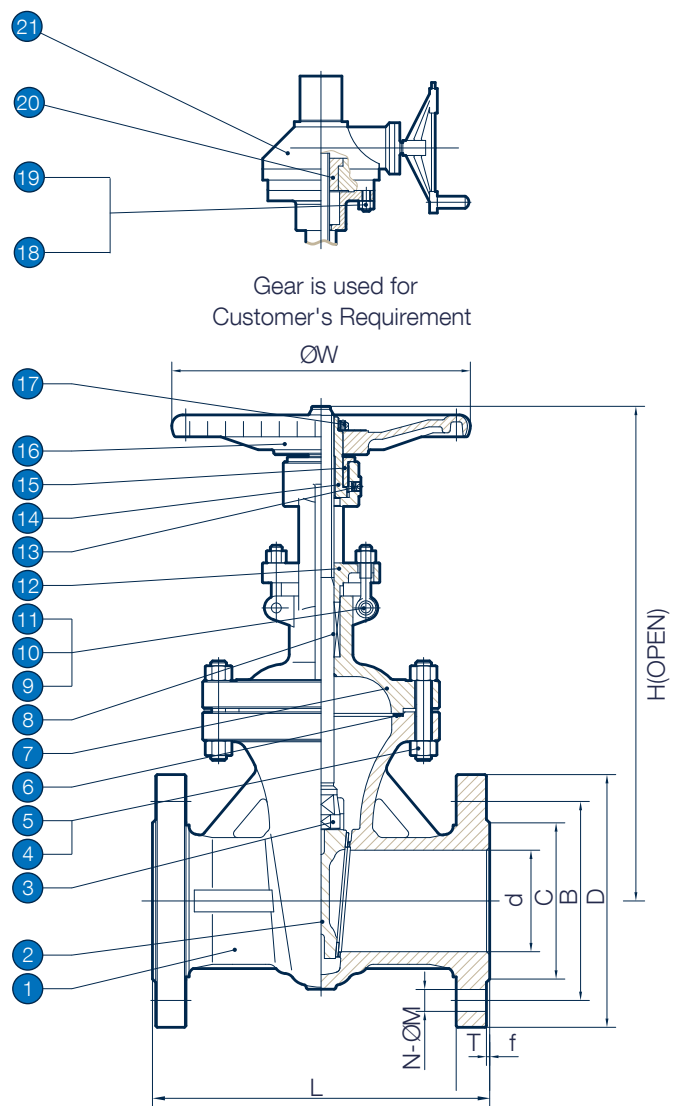
-20°C to 425°C (-4°F to 800°F)

### » Note

For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | NIPPLE        | COPPER ALLOY            |
| 14 | STEM NUT      | ASTM A439 D2            |
| 15 | RETAINING NUT | AISI 1025               |
| 16 | HANDWHEEL     | DUCTILE IRON            |
| 17 | LOCK NUT      | AISI 1025               |
| 18 | NUT           | ASTM A194 2H            |
| 19 | BOLT          | ASTM A193 B7            |
| 20 | STEM NUT      | COPPER ALLOY            |
| 21 | GEAR BOX      | COMPONENTS              |



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H   | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |     |    |   |    |    |
| 50   | 2   | 50  | 195 | 145 | 102 | 220 | 250 | 440 | 30 | 3 | 4  | 26 |
| 65   | 2½  | 65  | 220 | 170 | 122 | 250 | 290 | 480 | 34 | 3 | 8  | 26 |
| 80   | 3   | 80  | 230 | 180 | 138 | 280 | 310 | 525 | 36 | 3 | 8  | 26 |
| 100  | 4   | 100 | 265 | 210 | 162 | 300 | 350 | 625 | 40 | 3 | 8  | 30 |
| 125  | 5   | 125 | 315 | 250 | 188 | 400 | 400 | 740 | 44 | 3 | 8  | 33 |
| 150  | 6   | 150 | 355 | 290 | 218 | 450 | 450 | 810 | 50 | 3 | 12 | 33 |

# GATE VALVE

Cast Steel OS&Y to DIN  
 PN160, DN200-DN350

## KSD-GTF PN160-F7

### » Features

Cast steel body construction providing liberal strength to meet most conditions  
 Integral yoke & bonnet; Outside screw & yoke, bolted bonnet  
 Single flexible wedge disc compensates for deformation of body due to pipe stresses  
 Seal welded seat ring eliminates leak path behind rings and for long trouble-free service  
 Available in flanged end connection; butt weld end also available

### » Body Material

DIN 17245 GS-C25

### » Standards

Basic design to DIN 3352  
 Face-to-Face acc. to DIN 3202-F7  
 Flange Dimensions acc. to EN 1092-1  
 Inspection & test according to EN 12266-1

### » Temperature Range

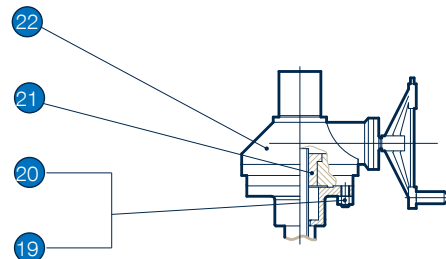
-20°C to 425°C (-4°F to 800°F)

### » Note

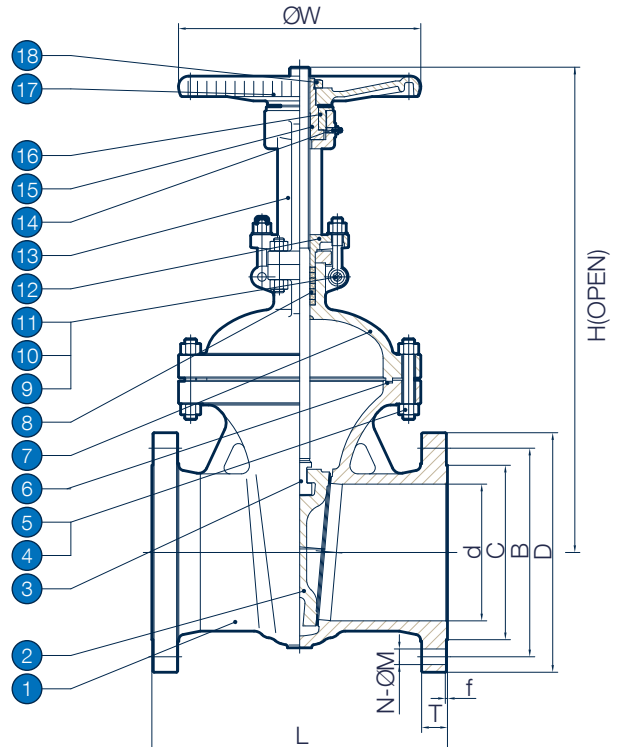
For non-horizontal installation, please ensure to consult with us separately, as special request must be generated to ensure proper function.

### Materials List:

| NO | PART NAME     | MATERIAL                |
|----|---------------|-------------------------|
| 1  | BODY          | DIN 17245 GS-C25 + 13Cr |
| 2  | WEDGE         | DIN 17245 GS-C25 + 13Cr |
| 3  | STEM          | ASTM A182 F6a           |
| 4  | BONNET BOLT   | ASTM A193 B7            |
| 5  | BONNET NUT    | ASTM A194 2H            |
| 6  | GASKET        | SS304+FLEXIBLE GRAPHITE |
| 7  | BONNET        | DIN 17245 GS-C25        |
| 8  | STEM PACKING  | FLEXIBLE GRAPHITE       |
| 9  | GLAND EYEBOLT | ASTM A193 B7            |
| 10 | GLAND NUT     | ASTM A194 2H            |
| 11 | PIN           | AISI 1025               |
| 12 | GLAND FLANGE  | DIN 17245 GS-C25        |
| 13 | YOKE          | DIN 17245 GS-C25        |
| 14 | NIPPLE        | COPPER ALLOY            |
| 15 | STEM NUT      | ASTM A439 D2            |
| 16 | RETAINING NUT | AISI 1025               |
| 17 | HANDWHEEL     | DUCTILE IRON            |
| 18 | LOCK NUT      | AISI 1025               |
| 19 | NUT           | ASTM A194 2H            |
| 20 | BOLT          | ASTM A193 B7            |
| 21 | STEM NUT      | COPPER ALLOY            |
| 22 | GEAR BOX      | COMPONENTS              |



Gear is used for  
 Customer's Requirement



### Dimensions (mm):

| SIZE |     | d   | D   | B   | C   | W   | L   | H    | T  | f | N  | M  |
|------|-----|-----|-----|-----|-----|-----|-----|------|----|---|----|----|
| DN   | NPS |     |     |     |     |     |     |      |    |   |    |    |
| 200  | 8   | 200 | 430 | 360 | 285 | 400 | 550 | 1015 | 60 | 3 | 12 | 36 |
| 250  | 10  | 250 | 505 | 430 | 345 | 450 | 650 | 1220 | 68 | 3 | 12 | 39 |
| 300  | 12  | 300 | 585 | 500 | 410 | 500 | 750 | 1440 | 78 | 4 | 16 | 42 |