

# Cast steel OS&Y Gate Valve to DIN PN16-F5, DN50~DN150

## Series 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

PMA: 16 barg@50°C

TMA: 425°C

Selection:

Material of Body:  
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

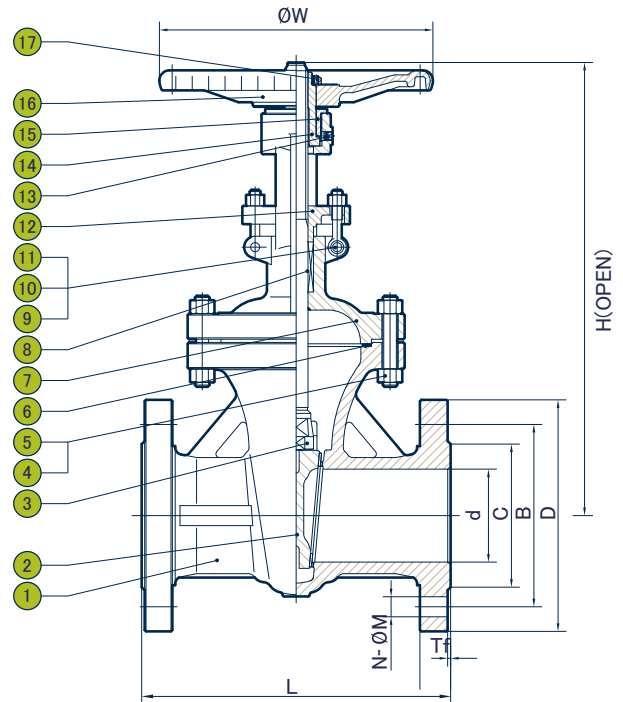
### Note

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

### Materials List

No.	PARTS NAME	MATERIALS
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

\* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.



### Dimensions (mm)

Size		d	D	B	C	W	L	H	T	f	N	M	Weight kg
DN	IN												
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

# Cast steel OS&Y Gate Valve to DIN PN16-F5, DN200~DN600

## Series 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

PMA: 16 barg@50°C

TMA: 425°C

Selection:

Material of Body:  
DIN 17245 GS-C25

### Standards

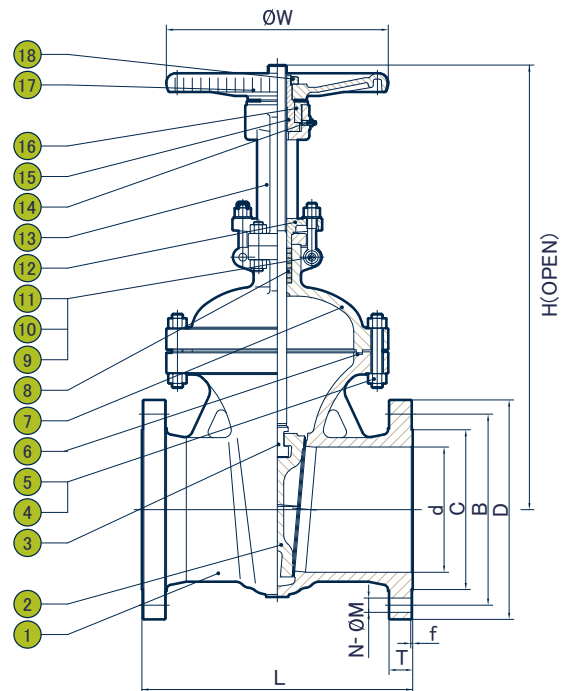
- Basic design to DIN 3352
- Face-to-Face acc. to DIN 3202-F5
- Flange Dimensions acc. to DIN 2543
- Inspection & test according to EN 12266-1

### 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.	PARTS NAME	MATERIALS
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

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### Dimensions (mm)

Size		d	D	B	C	W	L	H	T	f	N	M	Weight kg
DN	IN												
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

# Cast steel OS&Y Gate Valve to DIN PN16-F5, DN700~DN1000

## Series 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

PMA: 16 barg@50°C

TMA: 425°C

Selection:

Material of Body:  
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

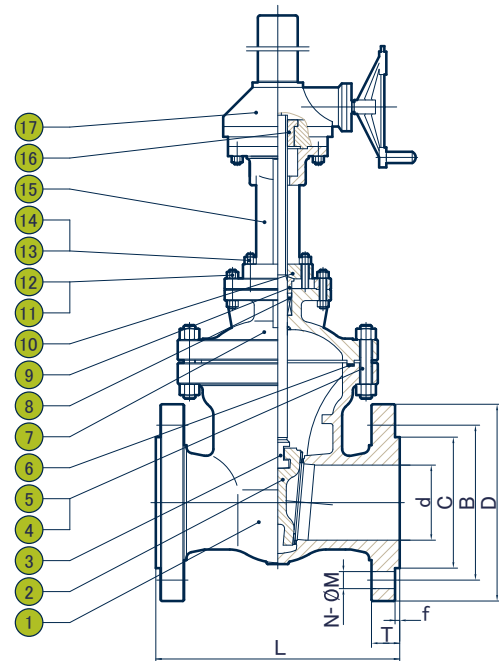
### Note

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

### Materials List

No.	PARTS NAME	MATERIALS
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

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### Dimensions (mm)

Size		d	D	B	C	L	T	f	N	M
DN	IN									
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