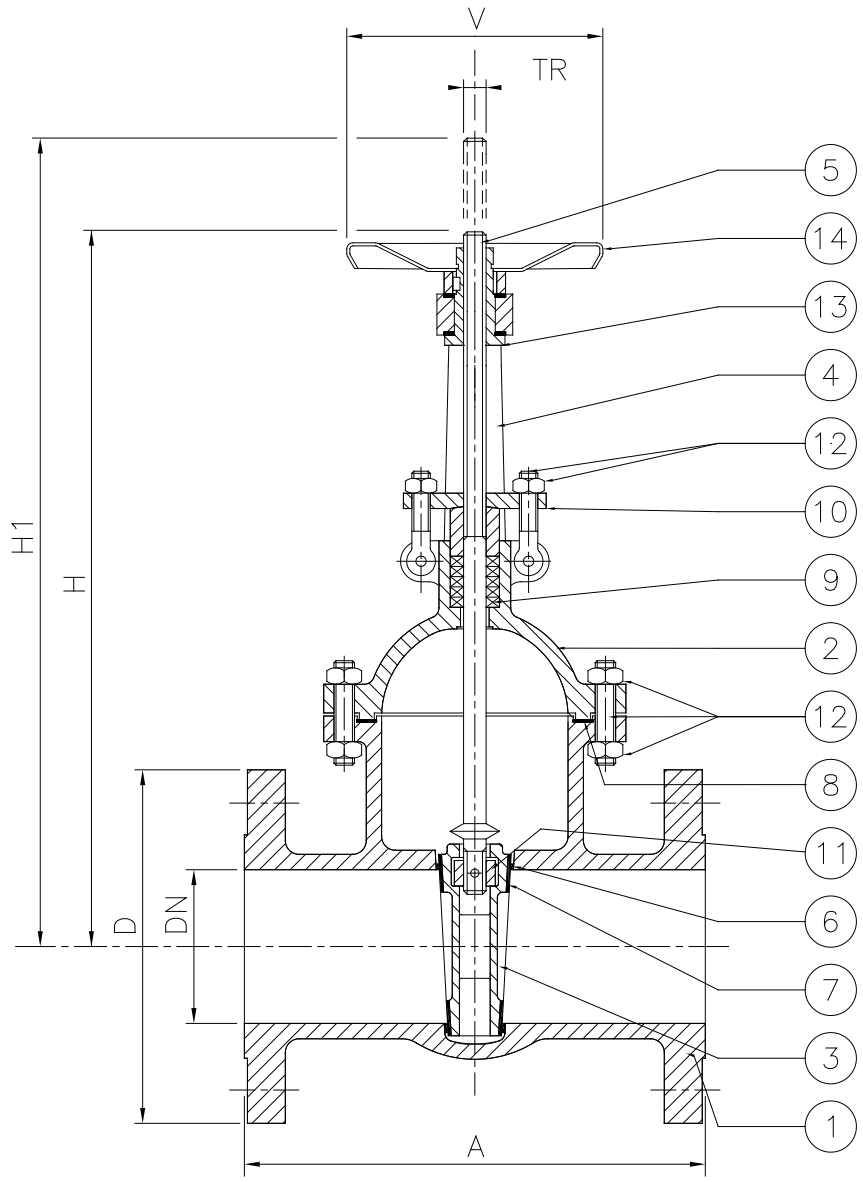
Gate Valve Outside Screw

PN 100 DN 50 - DN 400

Flanges PN 100

Fig. 260-560



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Rel. 6.0

Standard features:

☑ Design	EN 12516
	EN 1984
☑ Face to face	EN 558 series 26
	DIN 3202 F7
☑ Flanges	EN 1092-1/21/B2
☑ Materials	EN 10213
	EN 10269
	EN 10088
☑ Bolts and nuts	EN 1515-1
☑ Welding overlay	AD-M HP 0
☑ Testing	EN 1984
	EN 12266
☑ Marking	EN 19
☑ Certificates	EN 10204

Optional versions:

- ☐ AD 2000 – A4
- ☐ TRD 110
- ☐ DIN 3230 Part 4
- ☐ DIN 3230 Part 5
- ☐ DIN 3230 Part 6
- ☐ TRbF 131
- ☐ TRbF 301 or 302
- ☐ ATEX
- ☐ TA-Luft
- ☐ With flanges PN 63
- ☐ With flanges form A, B2, C, D, E, F, G, H
- ☐ With butt welding ends (EN 12982 / EN 12627)
- ☐ With special devices (see pages 34 – 35)

Material Specification

		DESCRIPTION	FIG. 260	FIG. 360	FIG. 360-J	FIG. 460	FIG. 460-H	FIG. 560
1		Body	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
2		Bonnet	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
3	x	Wedge	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
4		Yoke	1.0619	1.4581	1.4308	1.7357	1.7379	1.1138
5	x	Stem	1.4021 (1)	1.4571 (1)	1.4301 (1)	1.4021 (1)	1.4021 (1)	1.4021 (1)
6		Body seats	1.4502 (2)	1.4430 (2)	1.4316 (2)	1.4502 (2)	Stellite	1.4502 (2)
7		Wedge seats	1.4502 (2)	1.4581 (2)	1.4308 (2)	1.4502 (2)	Stellite	1.4502 (2)
8	O	Gasket	Graphite + SS (3)	Graphite + SS (3)	PTFE (3)	Graphite + SS (3)	Graphite + SS (3)	Graphite + SS (3)
9	O	Packing	Graphite + SS (3)	Graphite + SS (3)	PTFE (3)	Graphite + SS (3)	Graphite + SS (3)	Graphite + SS (3)
10	x	Gland	1.0402	1.4571	1.4301	1.0402	1.0402	1.4301
11	x	Boss	1.4571	1.4571	1.4301	1.4571	1.4571	1.4571
12		Bolts	1.7225 (4)	1.4301 (4)	1.4301 (4)	1.7711 (4)	1.7711 (4)	1.7225 (4)
12		Nuts	1.1191 (4)	1.4301 (4)	1.4301 (4)	1.7225 (4)	1.7225 (4)	1.7225 (4)
13	x	Yoke sleeve	1.0511 NHT	1.0511 NHT	1.0511 NHT	1.0511 NHT	1.0511 NHT	1.0511 NHT
14	x	Handwheel	Pressed steel	Pressed steel	Pressed steel	Pressed steel	Pressed steel	Pressed steel

(1) Also available on request 1,4571, 1.4301, 1.3964, Hastelloy, or other materials.
(2) Also available on request stellite, 1.4462 (duplex), 1.4430, 1.4316, Hastelloy, or other materials.
(3) Also available on request PTFE, Gore-tex, graphite, or other materials and different desing (e.g. cam-profile).
(4) Also available on request 1.7225 / 1.1191, 1.7711 / 1.7225, 1.4401, 1.4301, A4-70 or other materials.

O recommended spare parts for 2 years standard service; x recommended spare parts for 5 years standard service.

Dimensions

	DN	A	D	H	H1	TR	V	Kg	Δp(5)	Wedge (6)
PN 100	50	250	195	380	440	20 x 4	200	35	100	Split
	65	290	220	520	595	22 x 4	200	70	100	Split
	80	310	230	540	630	24 x 5	250	76	100	Split
	100	350	265	590	700	28 x 5	300	110	100	Split
	125	400	315	770	905	32 x 6	400	144	100	Split
	150	450	355	795	960	32 x 6	400	185	100	Flexible
	200	550	430	1000	1215	36 x 6	400	325	62	Flexible
	250	650	505	1150	1415	40 x 7	500	535	43	Flexible
	300	750	585	1300	1615	60 x 9	600	800	0	Flexible
	400	850	715	1450	1880	100 x 12	600	1250	0	Flexible

(5) Maximum differential pressure for manoeuvre without gear box or by-pass according to EN 12570 (if equal to 0 the gearbox is recommended).
(6) Standard wedge type. Other execution available on request.

Pressure Temperature Ratings (°C / bar)

	PN	-195	-150	-100	-50	-10	0	20	100	150	200	250	300	350	400	425	450	475	500	525	550	575	600
Fig. 260	100					100	100	98,7	93,3	85,6	77,8	71,1	64,4	60,0	57,8	47,3	36,9						
Fig. 360(7)	100			100	100	100	100	96,4	82,2	76,7	71,1	67,8	64,4	61,1	57,8	56,7	55,6	54,4	53,3	52,2	51,1		
Fig. 360-J	100	100	100	100	100	100	100	94,2	71,1	63,3	55,6	52,2	48,9										
Fig. 460(7)(8)	100					100	100	100	100	100	100	100	100	95,6	88,9	86,7	84,4	68,2	52,0	38,2	24,4		
Fig. 460-H(8)	100					100	100	100	100	100	100	100	100	100	100	98,4	96,9	78,7	60,4	44,9	29,3	20,9	12,4
Fig. 560	100				100	100	100	97,8	88,9	84,4	80,0	77,8	75,6										

Please, in the inquiry and in the order, specify always the maximum service temperature when it's over 100 °C.
If the valves are provided with flanged connection PN 63 the maximum allowable pressure should be proportionally reduced.
(7) Suitable over 450 °C only if provided with stellited seats. (8) Suitable over 530 °C only if provided with 1.3964 stem.