

▪ Gate valves ▪ Gate valve ▪ 400 JJ ▪ PN 63-100 ▪ DN 350-700



**Range of application**

Admissible operating pressure [bar] at design temperature [°C] <sup>1)</sup>

Material	PN	Admissible operating pressure [bar] at design temperature [°C] <sup>1)</sup>																						
		-10	20	120	150	200	250	300	350	400	450	475	480	500	510	520	530	540	550	560	570	580	590	600
1.0425	63	63	63	63	58	50	45	40	36	32	21	14,0	12											
	100	100	100	100	91	80	70	60	56	50	34	21,8	19											
1.5415	63	63	63	63	63	63	63	56	50	47	45	37,0	35	29	22	16	14							
	100	100	100	100	100	100	87	78	74	70	57,0	54	45	34	27	22								
1.7335	63	63	63	63	63	63	63	61	58	56	53,0	51	47	40	32	25	20	16	13	10				
	100	100	100	100	100	100	95	91	87	82,0	80	74	62	49	38	31	24	19	16					
1.7383	63	63	63	63	63	63	63	62	62	60	55,0	53	47	40	35	28	25	22	18	15	12	11	9	
	100	100	100	100	100	100	98	96	94	85,0	82	74	62	53	43	39	33	27	23	19	17	15		

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations.

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**Standard features**

- Split disc gate valve
- Outside screw and yoke
- Possibility to add an actuator

**Pressure and temperature ratings**

- Pressure rating up to 100 bar
- Temperature rating up to 600 °C

**Materials**

- 1.0425
- 1.5415
- 1.7335
- 1.7383

**Media**

Depending on the material the gate valves are suitable for water, gas, oil and other non aggressive media

**Fields of application**

Chemical industries, power plants, ship building and other

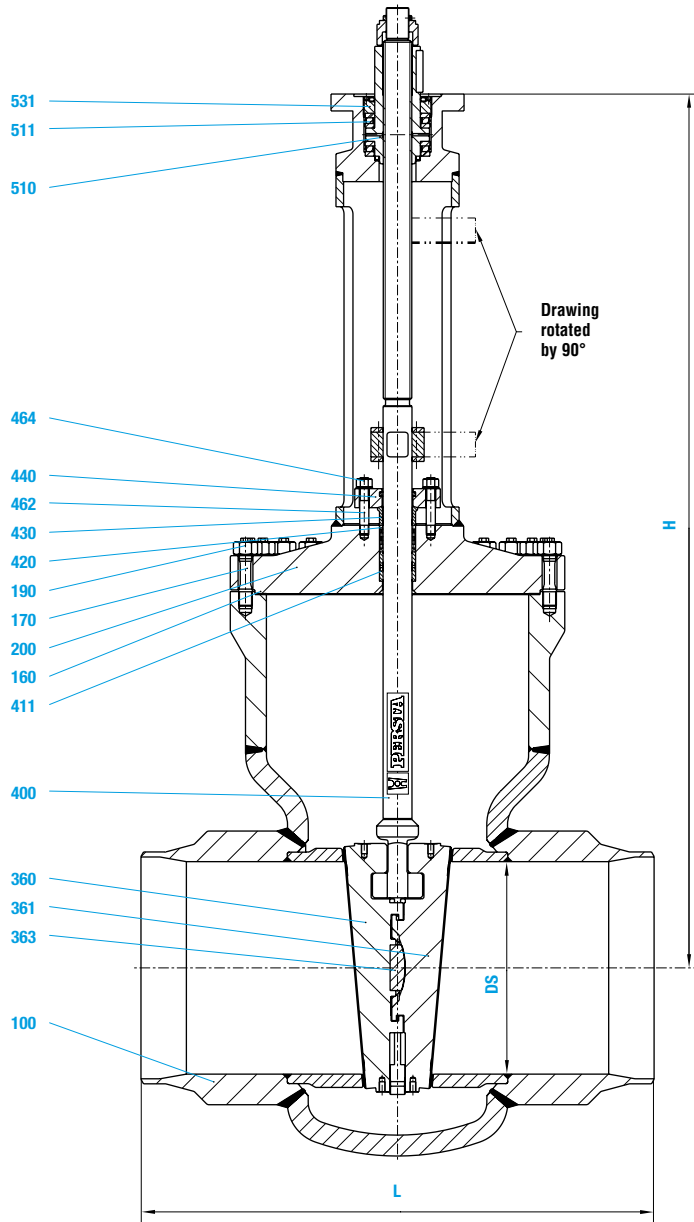
**Design Highlights**

- Seats and faced with stellite
- Non-turning, rising stem
- Gland flange and gland ring in two separate pieces
- Yoke sleeve supported by needle bearing

**Benefits**

- Best possible sliding performance, minimum wear
- Minimum wear to the gland packing
- Damage to the stem by irregular tightening of gland bolts is avoided
- Minimize the expenditure of effort when operating valve

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Materials					
Pos.	Component	1.0425 (22)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body welded on with	1.0425	1.5415	1.7335	1.7383
160	▶ Seat ring	Stellite	Stellite	Stellite	Stellite
170	▶ Stud	Graphite	Graphite	Graphite	Graphite
190	Hexagonal nut	1.7709	1.7709	1.7709	1.7709
200	Bonnet	1.7218	1.7218	1.7218	1.7218
360 / 361	▶ Disc welded on with	1.0460	1.5415	1.7335	1.7383
363	▶ Pressure piece	1.7383	1.7383	1.7383	1.7383
400	▶ Stem	Stellite	Stellite	Stellite	Stellite
411	▶ Guide bushing	1.4122	1.4122	1.4122	1.4122
420	▶ Packing	1.4021	1.4122	1.4122	1.4122
430	Gland ring	1.8507	1.8507	1.8507	1.8507
440	Gland flange	Graphite	Graphite	Graphite	Graphite
462	Stud	1.5415	1.5415	1.5415	1.5415
464	Hexagonal nut	1.5415	1.5415	1.7383	1.7383
510	▶ Yoke sleeve	1.7709	1.7709	1.7709	1.7709
511	▶ Bearing	1.7218	1.7218	1.7218	1.7218
531	Screwing	CW 713 R	CW 713 R	CW 713 R	CW 713 R
		WLS1	WLS1	WLS1	WLS1
		1.7335	1.7335	1.7335	1.7335

▶ Spare parts

Dimensions/mm				
DN	DS	Stroke	L	H
350	330	365	850	1620
400	375	417	950	1745
450	419	455	1050	2030
500	464	515	1150	2260
600	559	625	1350	2560
700	640	690	1550	2695

Weights/kg and Kvs-values		
DN	BW	Kvs (m <sup>3</sup> /h)
350	950	11243
400	1500	14521
450	1850	18105
500	2350	22353
600	4300	32188
700	5100	41773