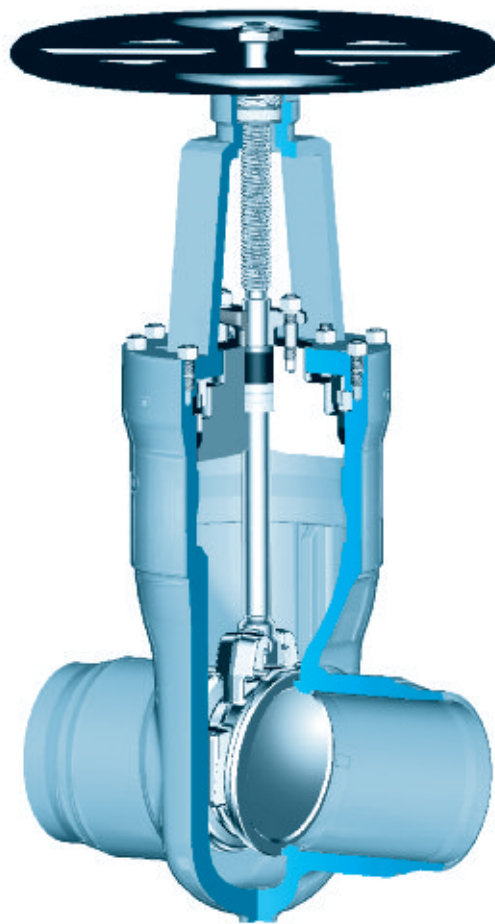


- Gate valves
- High pressure gate valve DSK 10
- 700 JT
- PD 10
- DN 200-350/300



**Range of application**

BW-Ends Material	PD	Admissible operating pressure [bar] at design temperature [°C] <sup>1)</sup>																											
		120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	
<b>1.0460</b>	<b>10</b>	100	100	94	82	74	62	50	48	45	43	41	38	34	28	23													
<b>1.5415</b>	<b>10</b>	120	120	112	103	88	85	82	82	81	81	80	79	79	78	78	68	53	40	32	25								
<b>1.7335</b>	<b>10</b>	120	120	120	118	109	103	97	96	95	94	92	91	91	90	89	89	81	68	54	44	35	28	23	18				
<b>1.7383</b>	<b>10</b>	120	120	120	120	118	109	103	102	101	99	98	97	96	95	94	89	79	69	61	53	46	40	34	30	26	22	20	

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

## ■ Gate valves ■ High pressure gate valve DSK 10 ■ 700 JT ■ PD 10 ■ DN 200-350/300

### Standard features

- Split wedge type
- Die-forged body and bonnet
- Full bore
- Outside screw and yoke
- Pressure sealing bonnet acc. VGB-guidelines

### Pressure and temperature ratings

- Pressure rating up to 120 bar
- Temperature rating up to +600° C

### Materials

- 1.0460
- 1.5415
- 1.7335
- 1.7383

Further materials, e.g. **F92** on request

### 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

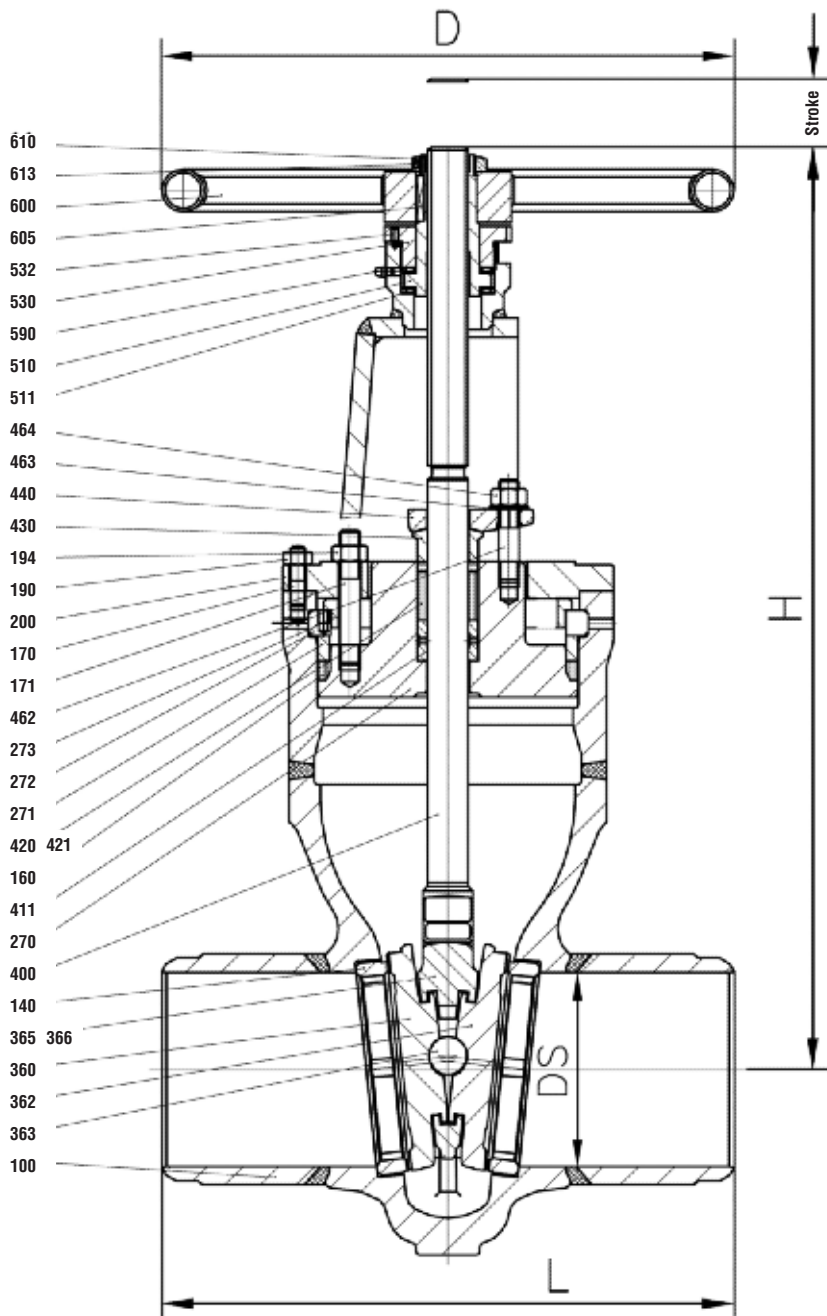
### Design Highlights

- Die-forged body and bonnet
- Seats and wedge faced with stellite
- Hammer head connection between wedge and stem
- Gland ring and gland flange in two separate pieces
- Yoke sleeve supported at the top and at the bottom by means of needle bearings (axial type)
- Valve head equipped with dirt scrapers below and above the bearings

### Benefits

- Free from porosity and shrink holes
- Best possible sliding performance, minimum wear
- The wedges are able to move parallel to the axis of the pipeline within the guiding groove. This protects the stem against bending moments
- Damage to the stem by irregular tightening of gland bolts is avoid
- To minimize the expenditure of effort when opening and closing the valve
- To protect against dirt and to avoid the loss of lubricants

▪ Gate valves ▪ High pressure gate valve DSK 10 ▪ 700 JT ▪ PD 10 ▪ DN 200-350/300



■ Gate valves ■ High pressure gate valve DSK 10 ■ 700 JT ■ PD 10 ■ DN 200-350/300

Materials					
Pos.	Component	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body	1.0460	1.7383/1.5415	1.7383/1.7335	1.7383
140	Seat ring	1.0460	1.5415	1.7335	1.7383
	welded on with	18/8 (40)	Stellite	Stellite	Stellite
160	▶ Gasket	Graphite	Graphite	Graphite	Graphite
170	Stud	1.7709	1.7709	1.7709	1.7709
171	Stud	1.7709	1.7709	1.7709	1.7709
190	Hexagonal nut	1.7258	1.7258	1.7258	1.7258
194	Hexagonal nut	1.7258	1.7258	1.7258	1.7258
200	Bonnet	1.5415	1.5415	1.5415	1.5415
270	Cover	1.0460	1.5415	1.7335	1.7383
271	Ring	1.0460	1.5415	1.7335	1.7383
272	Segment ring	1.0460	1.5415	1.7335	1.7383
273	Cover	1.7383	1.5415	1.7335	1.7383
360	▶ Double disc welded on with	1.7383	1.7383	1.7383	1.7383
			Cr 17	Stellite	Stellite
362	▶ Ball	WLS <sup>2)</sup>	WLS <sup>2)</sup>	WLS <sup>2)</sup>	WLS <sup>2)</sup>
365	▶ Double disc guide	1.0460	1.5415	1.7335	1.7383
366	▶ Grooved pin	1.4104	1.4104	1.4104	1.4104
400	▶ Stem	1.4021	1.4122	1.4122	1.4122
411	▶ Guide bushing	1.8507	1.8507	1.8507	1.8507
420	▶ Packing	Graphite	Graphite	Graphite	Graphite
421	▶ Ring	Graphite	Graphite	Graphite	Graphite
430	Gland ring	1.0718	1.0718	1.0718	1.0718
440	Gland flange	1.0460	1.0460	1.0460	1.0460
462	Stud	1.7709	1.7709	1.7709	1.7709
463	Washer	St	St	St	St
464	Hexagonal nut	1.7258	1.7258	1.7258	1.7258
510	▶ Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R
511	▶ Roller bearing	WLS <sup>2)</sup>	WLS <sup>2)</sup>	WLS <sup>2)</sup>	WLS <sup>2)</sup>
530	Yoke nut	1.0718	1.0718	1.0718	1.0718
532	Screw pin	45H	45H	45H	45H
590	Grease nipple	5.8	5.8	5.8	5.8
600	Handwheel	0.7040	0.7040	0.7040	0.7040
605	Key	1.0060	1.0060	1.0060	1.0060
610	Hexagonal pipe nut	St	St	St	St
613	Screw pin	45H	45H	45H	45H
	▶ Spare parts				

2) DN 250 = Pressure ring 1.4122

Dimensions/mm					
DN	DS	L	H	Stroke	D
200	198	550	920	210	600
225/200	198	600	920	210	600
250/200	198	650	920	210	600
225/250	235	600	1130	265	720
250	235	650	1130	265	720
300/250	235	750	1130	265	720
300	276	750	1300	310	900
350/300	276	850	1300	310	900

Weights/kg and Kvs-values		
DN	BW-Ends	Kvs (m <sup>3</sup> /h)
200	260	4000
225/200	270	
250/200	280	
225/250	530	
250	550	6247
300/250	580	
300	850	8997
350/300	870	9257