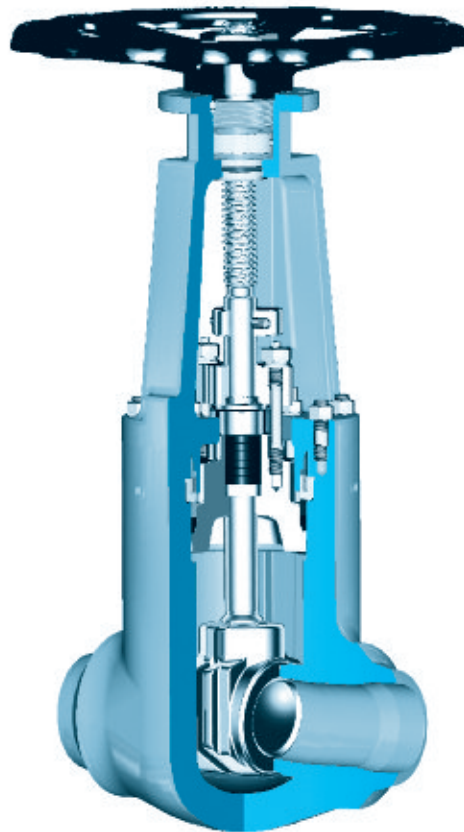


- Gate valves
- High pressure gate valve DSK 26
- 700 JT
- PD 25
- DN 65-300/250



Range of application

BW-Ends Material	PD	Admissible operating pressure [bar] at design temperature [°C] ¹⁾																											
		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	
1.0460	25	250	250	235	206	184	155	125	119	113	107	102	96	85	71	58													
1.5415	25	300	300	280	258	221	213	206	205	203	202	200	199	197	196	194	170	132	101	79	64								
1.7335	25	300	300	300	294	272	258	243	240	237	234	231	228	227	225	224	222	202	170	134	109	88	69	57	46				
1.7383	25	300	300	300	300	294	272	258	255	252	249	246	243	240	237	234	224	199	174	152	132	115	100	85	75	65	56	49	
1.6368	25	410	410	410	410	410	410	410	410	410	410	402	360	309	257	205	153	102											
1.4903	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	418	383	372	344	316	290	263	238	213	191	169	150	132	

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

■ **Gate valves** ■ High pressure gate valve DSK 26 ■ 700 JT ■ PD 25 ■ DN 65-300/250

Standard features

- One-piece valve body made of forged steel with welded seat rings
- Split wedge
- High bonnet
- Position indicator
- Yoke sleeve supported at the top and at the bottom with needle bearing (axial type) and cylindrical roller bearing
- Pressure sealing bonnet acc. to VGB-guidelines

Pressure and temperature ratings

- Pressure rating up to 425 bar
- Temperature rating up to +600° C

Materials

- 1.0460
- 1.5415
- 1.7335
- 1.7383
- 1.6368
- 1.4903

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

High temperature steam and water, Refining (Catalytic reformers and Hydrocrackers), Petrochemical and Chemical Industries

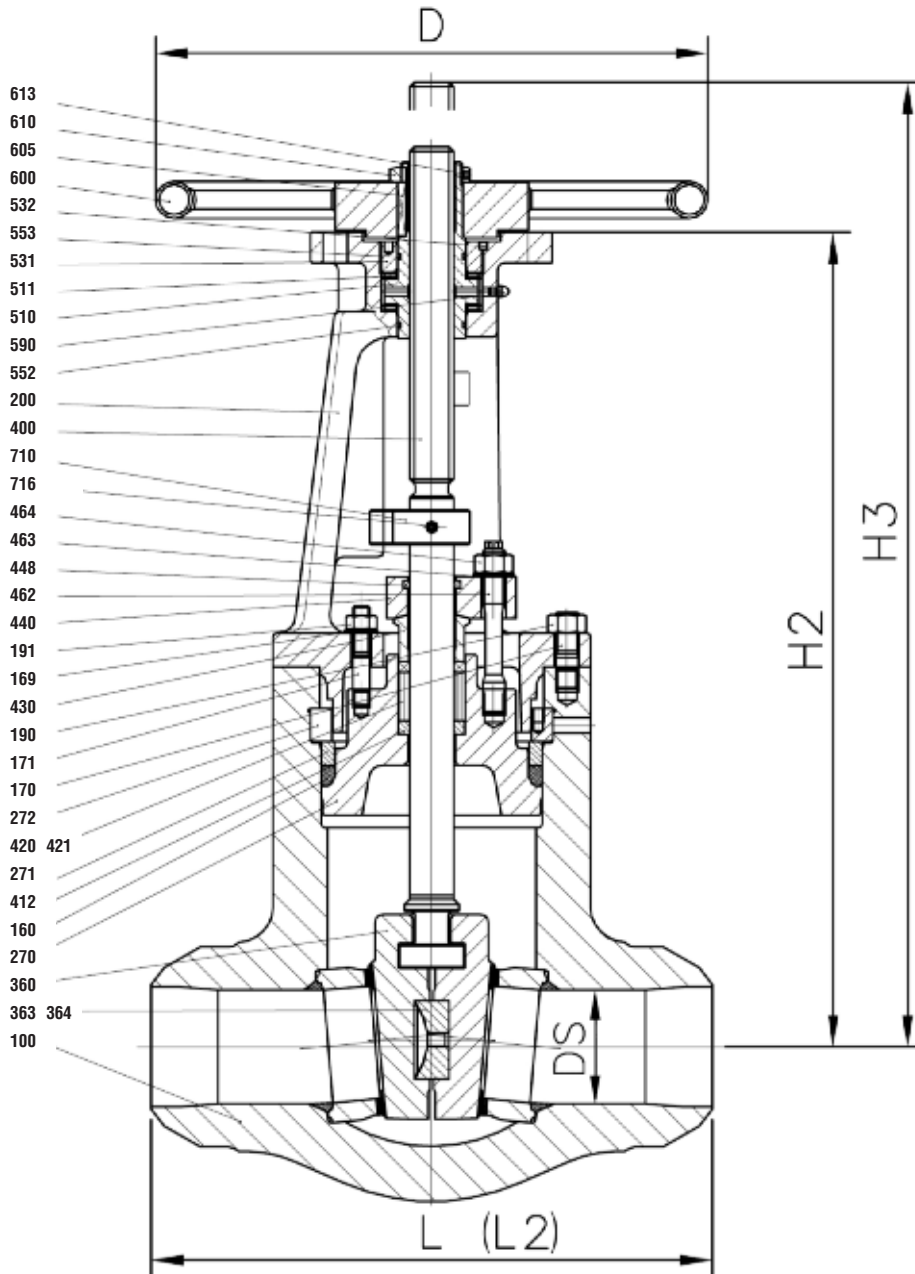
Design Highlights

- Seats of the shut-off device and of the valve body generally faced with stellite
- Hammer head connection between shut-off device and stem
- Valve head equipped with dirt scrapers below and above the bearings
- A crosshead screwed to the stem gives protection against torsion
- The segment rings are not fixed in their position by the valve cover but secured by a separate supporting cap

Benefits

- Best possible sliding performance and 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
- To protect against dirt and to avoid the loss of lubricants
- This is to prevent the shut-off device against operating forces, at the same time the crosshead serves as position indicator and offers the possibility to fit limit switches
- This version eases the maintenance work considerably. In case of dismantling it is not necessary to press the valve cover in closing direction in order to remove the segment rings

▪ Gate valves ▪ High pressure gate valve DSK 26 ▪ 700 JT ▪ PD 25 ▪ DN 65-300/250



■ Gate valves ■ High pressure gate valve DSK 26 ■ 700 JT ■ PD 25 ■ DN 65-300/250

Materials							
Pos.	Component	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7383 (45)	1.6368 (46)	1.4903 (63)
100	Body welded on with	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903
160	▶ Gasket	Stellite	Stellite	Stellite	Stellite	Stellite	Stellite
169	Washer	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
170	Stud	St	St	St	St	St	St
171	Stud	1.7709	1.7709	1.7709	1.7709	1.7709	1.7709
171	Stud	8.8	8.8	8.8	8.8	8.8	8.8
190	Hexagonal nut	1.7258	1.7258	1.7258	1.7258	1.7258	1.7258
191	Hexagonal nut	8	8	8	8	8	8
200	Bonnet	1.5419	1.5419	1.5419	1.5419	1.5419	1.5419
270	Cover	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903
271	Ring	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903
272	Segment ring	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903
360	▶ Disc welded on with	1.7383	1.7383	1.7383	1.7383	1.4903	1.4903
		Stellite	Stellite	Stellite	Stellite	Stellite	Stellite
363	▶ Pressure piece	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021
364	▶ Pressure ring	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021
400	▶ Stem	1.4021	1.4021	1.4923	1.4923	1.4923	1.4923
412	Basic ring	0.7670	0.7670	0.7670	0.7670	0.7670	0.7670
420	▶ Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
421	▶ Ring	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
430	Gland ring	1.5415	1.5415	1.5415	1.5415	1.5415	1.5415
440	Gland flange	1.7383	1.7383	1.7383	1.7383	1.7383	1.7383
448	▶ Dirt Scraper	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
462	Stud	1.7709	1.7709	1.7709	1.7709	1.7709	1.7709
463	Washer	St	St	St	St	St	St
464	Hexagonal nut	1.7258	1.7258	1.7258	1.7258	1.7258	1.7258
510	▶ Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R
511	▶ Roller Bearing	WLS	WLS	WLS	WLS	WLS	WLS
531	Screwing	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021
532	Screw pin	45H	45H	45H	45H	45H	45H
552	▶ O-Ring	Viton	Viton	Viton	Viton	Viton	Viton
553	▶ O-Ring	Viton	Viton	Viton	Viton	Viton	Viton
590	Grease nipple	5.8	5.8	5.8	5.8	5.8	5.8
600	Handwheel	St	St	St	St	St	St
605	Key	1.0060	1.0060	1.0060	1.0060	1.0060	1.0060
610	Hexagonal pipe nut	St	St	St	St	St	St
613	Screw pin	45H	45H	45H	45H	45H	45H
710	Switch bracket	1.0425	1.0425	1.0425	1.0425	1.0425	1.0425
716	Tension pin	1.0904	1.0904	1.0904	1.0904	1.0904	1.0904
	▶ Spare parts						

Dimensions/mm							
DN	DS	L	L2*	H2	H3	D	R/Stroke
65	51	254	425				
80/65	51	254	425				
80	64	305	470	540	625	360	16
100/80	64	305	470	540	625	360	16
100	82	406	550	630	755	450	17
125/100	82	406	550	630	755	450	17
125	100	483	650	730	880	450	21
150/125	100	483	650	730	880	450	21
150	122	559	750	840	1025	600	21
200/150	122	559	750	840	1025	600	21
200	160	711	950	1070	1310	720	25
250/200	160	711	950	1070	1310	720	25
250	200	864	1150	1260	1570	900	27
300/250	200	864	1150	1260	1570	900	27

* Long Version

Weights/kg and Kvs-values		
DN	EE	Kvs (m ³ /h)
65		
80/65		
80	75	422
100/80		
100	136	694
125/100		
125	225	1027
150/125		
150	380	1543
200/150		
200	770	2630
250/200		
250	1300	4109
300/250		