

Lumiglas observation sight glass, circular DIN 28120 or an equivalent standard.

Composition and Design

The sight glasses of the DIN 28120 series consist of two flanges, one of which is designed to be welded. A glass pane and two gaskets are inserted between these flanges, with the assembly held together by bolts. Their dimensions and design comply with the DIN 28120 standard for sizes ranging from DN 50 to DN 200.

Applications

Inspection of the interiors of tanks, pressure vessels, silos, agitated tanks, separators, and similar structures.

Terms of Service

Operating pressure: 10 or 16 bar (other pressures available on request).

Maximum temperature:

- 150 °C with soda-lime glass (DIN 8902),
- 280 °C with borosilicate glass (DIN 7080).

Options and Potential Combinations

- Integration of explosion-proof lights (ATEX zones) or standard lights (non-ATEX zones).
- Counter flanges available with threaded holes for mounting lights or protective grids.

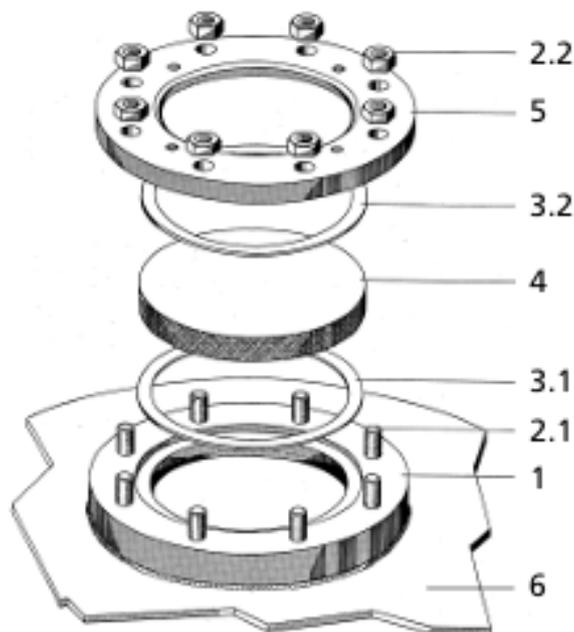
Certificates

- Material certificates are available upon request.

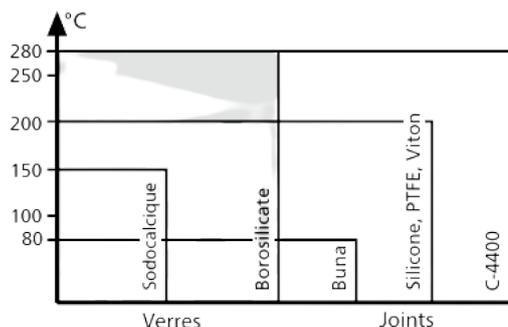
Component Materials

Part 1: Welding Flange - Steel S235, P265GH, Stainless steel 1.4404, 1.4307, 1.4435, 1.4539, Hastelloy C22, C276 or others...

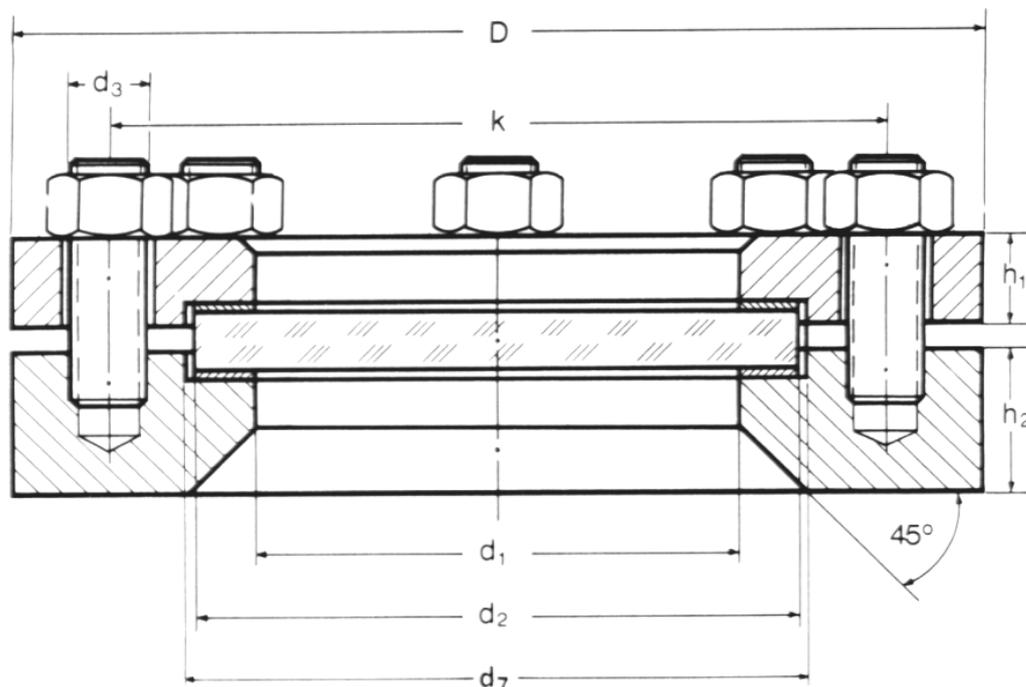
- Part 2.1: Securing Bolts – DIN 933.
- Parties 3.1 / 3.2: Joints – KLINGERSil C-4400, silicone, PTFE, EPDM
- Part 4: Soda-lime glass, borosilicate glass, polycarbonate.
- Part 5: Tank Wall.
- Part 6: Counter-flange (Steel, Stainless Steel — 1.4307, 1.4404 or others)
- For any specific request or customization, please contact us.



• Diagramme de température



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Ønominal	DN	25	40	50	80	100	125	150	200	250	300
Squandered consideration	d1	48	65	80	100	125	150	175	225	275	325
PN		16	16	16	10 / 16	10 / 16	(6) 10 / 16	(6) 10 / 16	(6) / 10	(6)	(1)
Glass	d2	63	80	100	125	150	175	200	250	300	350
	s	10	12	15	15/20	20/25	20/20/25	20/25/30	25/30	30	19
flanges	D	115	150	165	200	220	250	285	340	395	445
	k	85	110	125	160	180	210	240	295	350	400
	h1	16	16	16	20	22	18/25/25	18/30/30	20/35	22	20
	h2	25	30	30	30	30	30	36	36	36	36
Assembly fasteners	NB	4	4	4	8	8	8	8	8	12	12
gaskets	d1	48	65	80	100	125	150	175	225	275	325
	d7	65	82	102	127	152	177	202	252	302	352
TIGHTENING TORQUE	NM	/	/	28/32	20/23	26/30	() / 32/34 / ()	() / 47/54 / ()	() / 63	/	/

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flat gaskets	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	THIS IS BSE	T°
EPDM	Option	Yes	Yes	Yes	Yes	Yes	-40/150°C
VITON	Option	Yes	/	/	/	/	200°C
PTFE	Option	Yes	Yes	/	Option	Yes	250°C
KLINGER SCREEN	/	/	/	/	/	/	250°C
TOP CHEM	Yes	Yes	/	/	/	/	260°C
GYLON	/	Yes	Yes	/	Option	Option	260°C
PGAC	Yes	Yes	/	/	/	/	-220/240°C
SILICONE	Option	Yes	Yes	/	/	/	200°C
GRAPHITE PSM	/	/	/	/	/	/	500°C

O-RING	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	THIS IS BSE	T°
EPDM	Yes	Yes	Yes	option	option	Yes	-40/150°C
VITON	Yes	Yes	Yes	/	/	/	200°C
VITON FEP	Yes	Yes	Yes	88	/	Yes	-20/200°C
SILICONE	Yes	Yes	Yes	Option	option	Yes	200°C
KALREZ	/	Yes	Yes	88	Yes	/	330°C

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