

Hublot d'observation Lumiglas, circulaire DIN 28120 ou équivalent PN6 - PN16

Composition et Conception

Les hublots de la série DIN 28120 se composent de deux brides, dont l'une est conçue pour être soudée. Entre ces brides sont insérés une vitre et deux joints, l'ensemble étant maintenu par des vis. Leurs dimensions et conception respectent la norme DIN 28120 pour des tailles allant de DN 50 à DN 200.

Applications

Internal observation of tanks, pressure vessels, silos, agitated vessels, separators, etc.

Operating conditions

- Pressure: 10 or 16 bar (other pressures on request).
- Maximum temperature:
 - 150°C with soda-lime glass (DIN 8902).
 - 280°C with borosilicate glass (DIN 7080).

Options and possible combinations

- Integration of explosion-proof floodlights (ATEX zones) or standard floodlights (non-ATEX zones).
- Counter-flanges available with tapped holes for mounting floodlights or a protective grille.

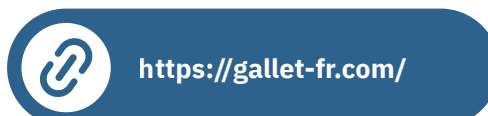
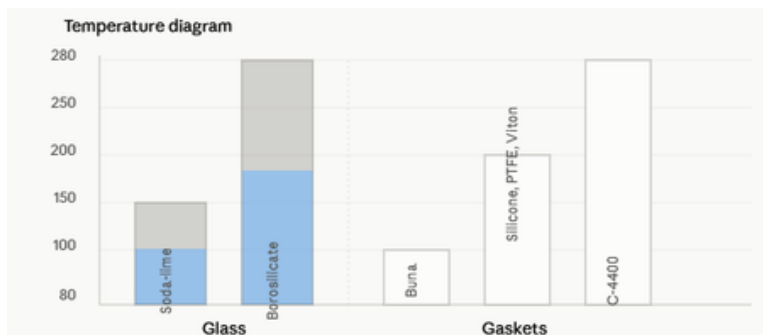
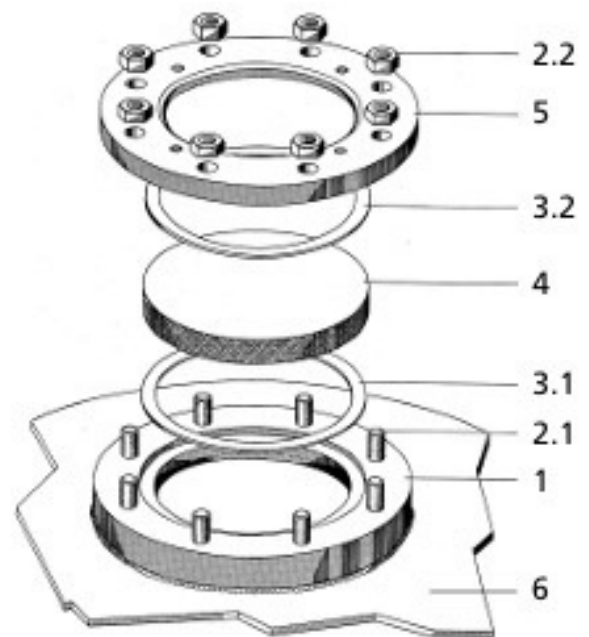
Certificates

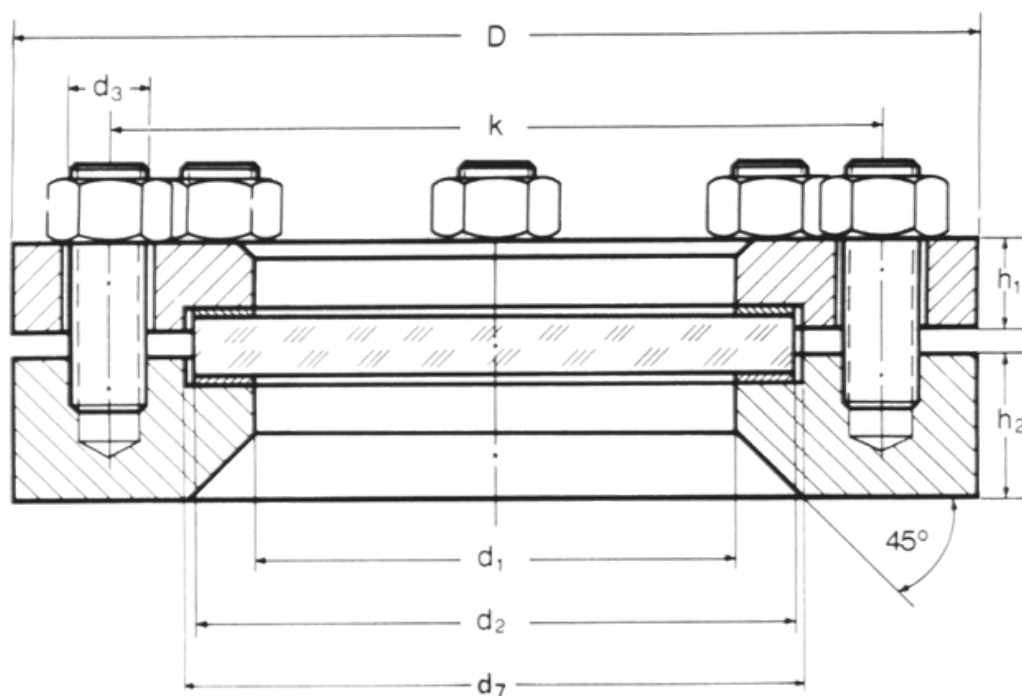
- Material certificates available on request.

Component materials

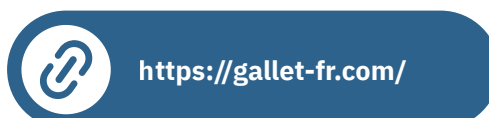
- Part 1: Weld-on flange — steel S235, P265GH, stainless steel 1.4404, 1.4307, 1.4435, 1.4539, Hastelloy C22, C276, or others...
- Part 2.1: DIN 933 screws.
- Parts 3.1 / 3.2: Gaskets — Klingersil C-4400, silicone, PTFE, EPDM.
- Part 4: Soda-lime glass (150°C), borosilicate glass (280°C), polycarbonate disc, or others on request...
- Part 5: Tank wall.
- Part 6: Counter-flange (steel, stainless steel 1.4307, 1.4404, or others...).

For any specific request or adaptation, please contact us.





Nominal Ø	DN	25	40	50	80	100	125	150	200	250	300
Viewing Ø	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 screws	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	/	



FLAT GASKET	CE 1935 - 2004	FDA	USP VI	87/88	USP 121°	TSE 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
KLINGERSIL	/	/	/	/	/	/	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°	TSE 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

