

## Circular Series DIN 28120 PN2.5

### Composition

- Flanges: Steel S235, P265GH, Stainless Steel 1.4404, 1.4307, 1.4435, 1.4539.
- Gaskets: Klingersil C-4400, EPDM, Silicone, PTFE.
- Glass: Soda-lime glass, borosilicate glass, polycarbonate.
- Fastening: Screws DIN 933.

### Applications

- Internal observation: tanks, reactors, vessels, silos, agitators, separators, pipelines.

### Operating conditions

- Pressure: -1 / 2.5 BAR.
- Maximum Temperature:
  - 280°C (borosilicate glass DIN 7080).
  - 150°C (soda-lime glass DIN 8902).

### Options

- Lighting: ATEX or standard projectors.
- Accessories: Wiper, washer, O-ring gasket.
- Fixing: Counter-flange with threaded holes for projectors or protective grid.

### Certifications

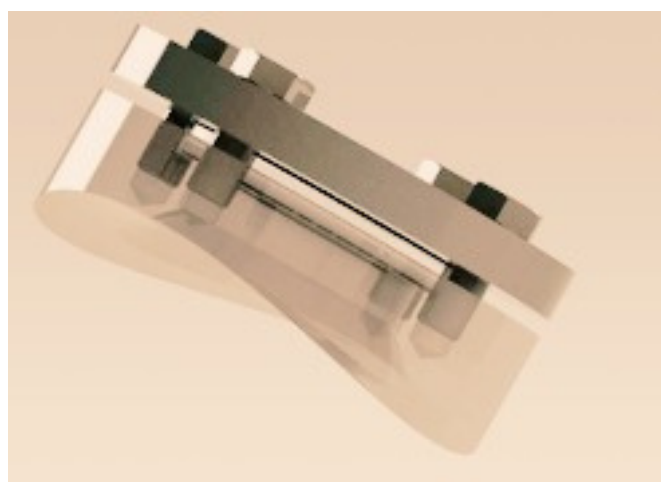
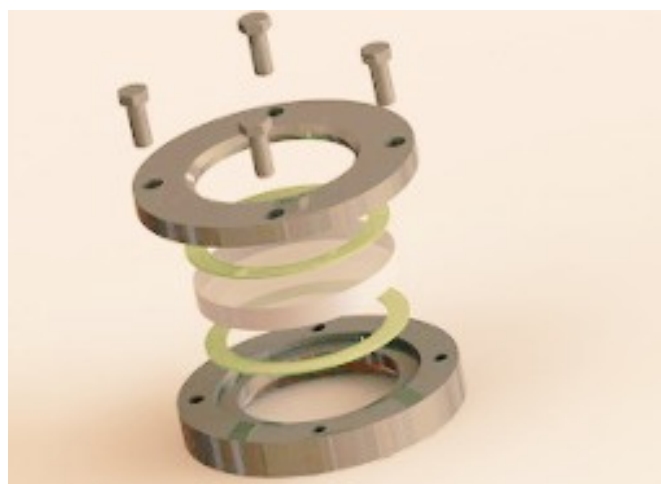
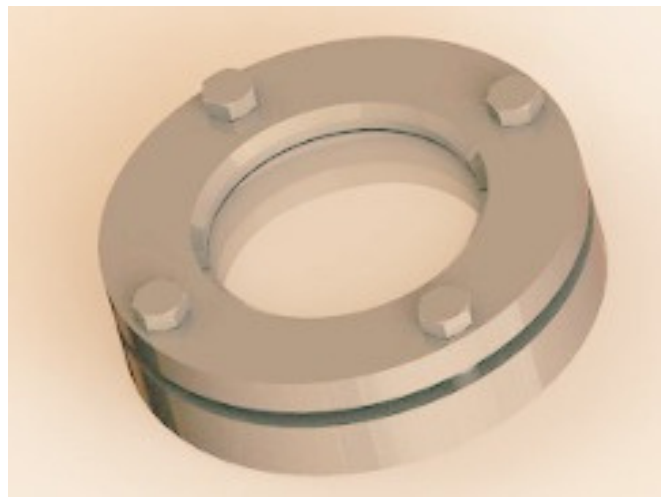
- Sight Glass: Certificate 2.2.
- Glass: Hydraulic test.
- Gaskets: FDA/USP compliant depending on quality.

### Assembly

1. Welding of the lower flange.
2. Installation of gaskets, glass, and counter-flange.
3. Crosswise tightening of screws.

### Customization

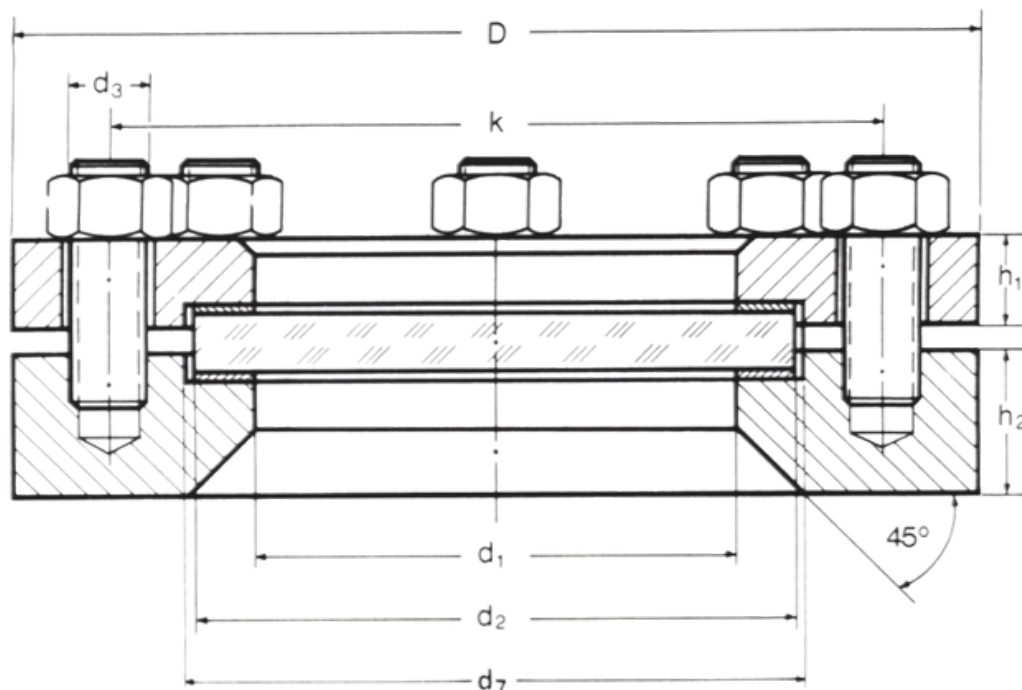
- Machined flanges on request.
- Adjustment for welding on vessel nozzles.



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Nominal	DN	25	50	80	100	125	150	200
Squandered consideration	d1	50	80	100	125	150	175	225
PN		2.5	2.5	2.5	2.5	2.5	2.5	2.5
Glass	d2	63	100	125	150	175	200	250
	s	10	10	10	10	10	10	10
flanges	D	100	140	165	200	215	240	290
	k	80	120	145	175	195	220	270
	h1	10	12	14	14	16	16	16
	h2	15	24	24	24	24	24	24
Assembly fasteners		4 Vis M6	4 Force M12	4 Force M12	4 Force M12	4 Force M12	8 Force M12	8 Force M12
gaskets	d1	50	80	100	125	150	175	225
	d7	65	102	127	152	177	202	252
TIGHTENING TORQUE		12 NM	15 NM	15 NM	15 NM	15 NM	15 NM	15 NM

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