

Round sight glasses DIN28120 or other similar models

The sight glass is welded using a circular flange chuck according to DIN 28120. The upper and lower flanges are fastened with bolts, and the mirror lens and sealing gasket are placed in sequence in the middle. Its structure and dimensions comply with the design criteria of DIN 28120, DN 50~DN200. The flange strength according to this standard size can ensure that the mirror lenses in storage are not damaged or deformed. The premise is to weld the flange block according to the regulations.

adapted to:

Used for observing iron drums, circular silos, mixers, separators, pipelines, etc.

operation condition:

Pressure resistance: 10bar~16bar;

We can customize 1.6-70Mpa pressure vessel sight glass vacuum operating temperature according to customer needs: up to 200C borosilicate glass DIN7080 can be customized with other higher grade high-temperature resistant glass.

combination :

Used in explosion-proof and non explosion-proof areas with Lumi spotlights. Provide matching threaded holes on the flange for securing spotlights.

Certificate :

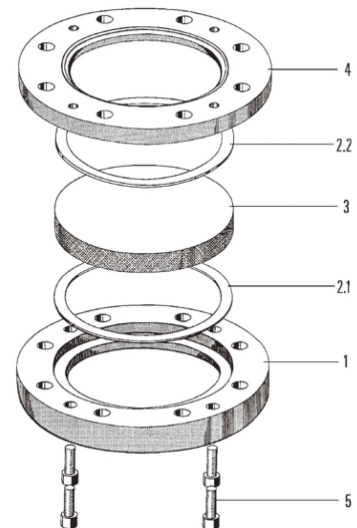
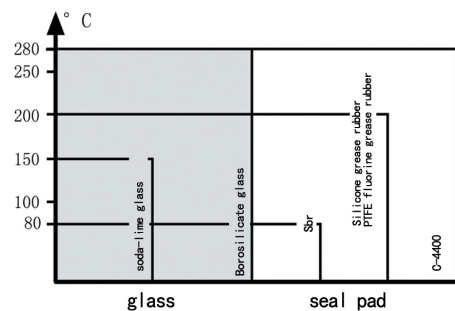
Acceptance according to customer requirements is subject to additional charges, and can also be selected according to DIN EN 102013.1/3.2

Parts and optional materials, as shown in the right side view

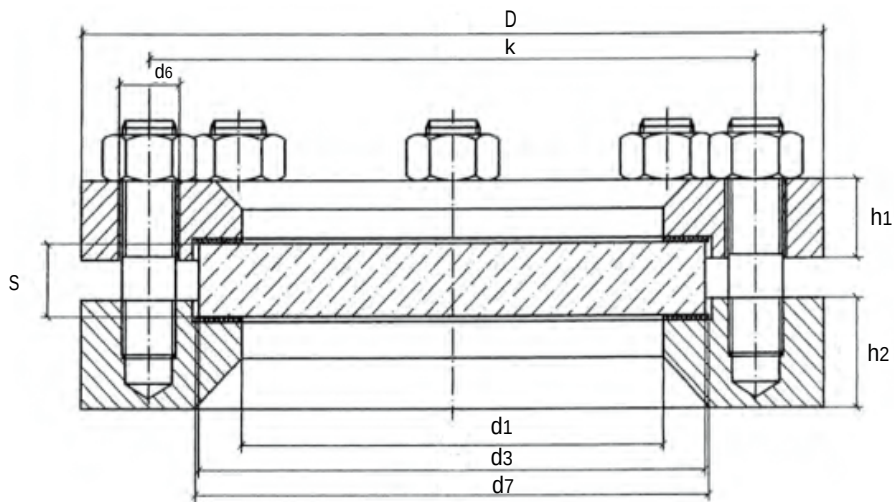
1	flange	Carbon steel RSt 37-2;
	weld flange	Stainless steel 1.4571 or other
2.1,2.2	Tighten bolts	Carbon steel 5.6/5 or stainless steel A2
3.1,3.2	seal pad	KLINGERSil C-4400; Silicone rubber, PTFE or other
4	Mirror lenses	Sodium calcium glass: High temperature resistant tempered glass DIN 8902 Sodium calcium glass: High temperature resistant tempered glass DIN 7080
5	Flange cover	Carbon steel RSt 37-2; Stainless steel 1.4571 or other
6	Container wall	



The following statistical chart can provide reference for material selection:



Round sight glasses device is based on DIN28121/PN10/16 or similar DIN28120/PN6 size diagrams



		1	2	3	4	5	6
Nominal width	DN	50	80	100	125	150	200
Pressure-resistant	PN	10/16	10/16	(6) 10/16	(6) 10/16	(6) 10/16	(6) 10
Visible diameter	d1	80	100	125	150	175	225
Glass	d3	100	125	150	175	200	250
	s	15/15	15/20	(20) 20/25	(20) 20/25	(20) 25/30	(25) 30
Flange	D	165	200	220	250	285	340
	k	125	160	180	210	240	295
	d6	18	18	18	18	22	22
	h1	16/16	20/20	(18) 22/22	(18) 25/25	(18) 30/30	(20) 35
	h2	30	30	30	30	36	36
Tighten the bolts	数量	4	8	8	8	8	8
	尺寸	M 16	M 16	M 16	M 16	M 20	M 20
Gaskets	d1	80	100	125	150	175	225
	d7	102	127	152	177	202	252
Bolt torque/μ 0.1	Nm	28/32	20/23	26/30	32/34	47/54	63

Order guide:

- Device (DIN) and construction
- Nominal width (DN), nominal pressure (PN)
- Material: Flange (shape and sealing area), according to sample test certificate 3.1/3.2
- Flange cover, according to sample test certificate 3.1/3.2
- Bolt Glass lenses seal pad

Round sight glasses DIN28121 PN10/25

Sight glasses are DIN28120, and round flange chucks are used to fasten welded flanges, upper flanges or others. The upper and lower flanges are bolted together, and the sight glass lenses and gaskets are placed in the middle. Its structure and dimensions conform to DIN28120 design guidelines.

Connection size : PN10 DN40-DN200

adapted to:

Used for observing iron drums, circular silos, mixers, separators, pipelines, etc.

operation condition:

Pressure resistance: 10bar~25bar;

Vacuum operating temperature: up to 200C borosilicate glass DIN7080 other higher grades of high-temperature resistant glass can be customized.

combination :

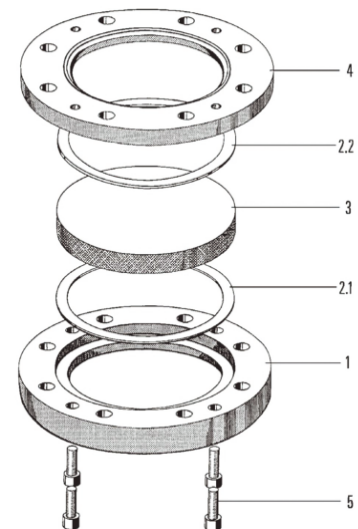
Used in explosion-proof and non explosion-proof areas with Lumi spotlights. Provide matching threaded holes on the flange for securing spotlights.



Certificate :

Acceptance according to customer requirements is subject to additional charges, and can also be selected according to DIN EN 102013.1/3.2

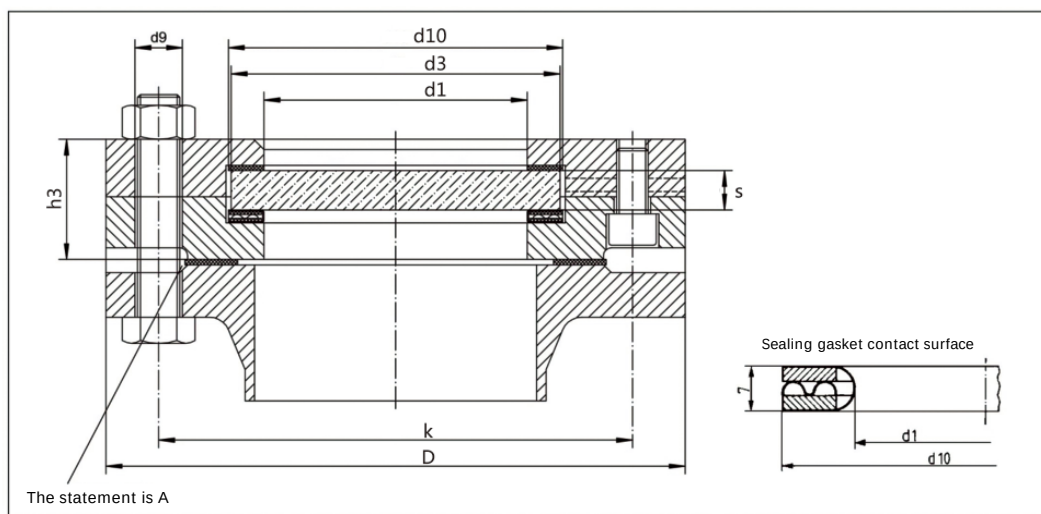
Parts and optional materials, as shown in the right side view



1	flange	Carbon steel RSt 37-2;
	weld flange	Stainless steel 1.4571 or other
2.1,2.2	Tighten bolts	Carbon steel 5.6/5 or stainless steel A2
3.1,3.2	seal pad	KLINGERSil C-4400; Silicone rubber, PTFE or other
4	Mirror lenses	Sodium calcium glass: High temperature resistant tempered glass DIN 8902 Sodium calcium glass: High temperature resistant tempered glass DIN 7080
5	Flange cover	Carbon steel RSt 37-2; Stainless steel 1.4571 or other
6	Container wall	

Circular mirror DIN28121 or other similar models

Schematic diagram of dimensions for circular mirror device according to DIN28121/PN10 (Construction A)



		1	2	3	4	5	6	7
nominal width	DN	40	50	80	100	125	150	200
pressure resistance	PN	10/25	10/25	10/25	10/25	10/25	10/25	10/25
Visual diameter	d_1	48	65	80	100	125	125	150
glass	d_3	63	80	100	125	150	150	175
	s	10/12	12/15	15/20	15/25	20/30	20/30	20/30
flange	D	150	165	200	220/235	250/270	285/300	340/360
	k	110	125	160	180/190	210/220	240/250	295/310
	h_3	36/38	38/41	46/50	46/59	54/66	54/66	54/66
Tighten bolts	数量	4	4	8	8	8	8	8/12
	尺寸	M 16	M 16	M 16	M 16/M 20	M 16/M 24	M 20/M 24	M 20/M 24
	d_9	18	18	18	18/22	18/26	22/26	22/26
seal pad	d_1	48	65	80	100	125	125	150
	d_{10}	65	82	102	127	152	152	177

Order guide:

- Device (DIN) and construction
- Nominal width (DN), nominal pressure (PN)
- Material: Flange (shape and sealing area), according to sample test certificate 3.1/3.2
- Flange cover, according to sample test certificate 3.1/3.2
- Bolt Glass lenses seal pad