

Oblong Rectangular sight glass

Usage:

- Observation of the interior of tanks, vessels, silos, etc. Particularly suitable for level control of liquids.

Operating Conditions:

- Pressure: 2.5 / 6 / 10 / 25 bars or vacuum.
- Before installing the sight glass, verify the reinforcement of the cutout based on the tank wall, according to the AD-Merkblatt standard

Operating Temperature:

- 100°C with soda-lime glass.
- 243°C with borosilicate glass.
- These temperatures refer to unprotected glass (without mica).

Material Certificates / Acceptance:

- Certificates and tests can be provided upon request, according to DIN EN 10204 3.1/3.2.

Material Selection and Nomenclature:

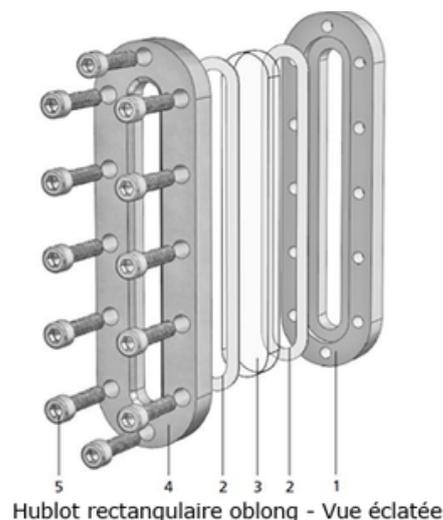
- Lower Frame to be welded: Stainless steel 1.4404 or others / Steel S235JR+N (RSt 37-2) or others
- Seals: KLINGERSil C-4400, Neoprene, PTFE or others
- Glass: Tempered soda-lime glass: T° 100°C / Borosilicate glass: T° 243°C
- Upper Frame: Stainless steel 1.4404 or others (e.g., Steel S235JR+N (RSt 37-2))
- Assembly Screws: Stainless steel A4 or Steel 8.8

Machining:

- Radius machining on the lower frame at the edges for coatings (e.g., blackening).
- For welding on the tank shell, radius machining as per your specifications.

Assembly:

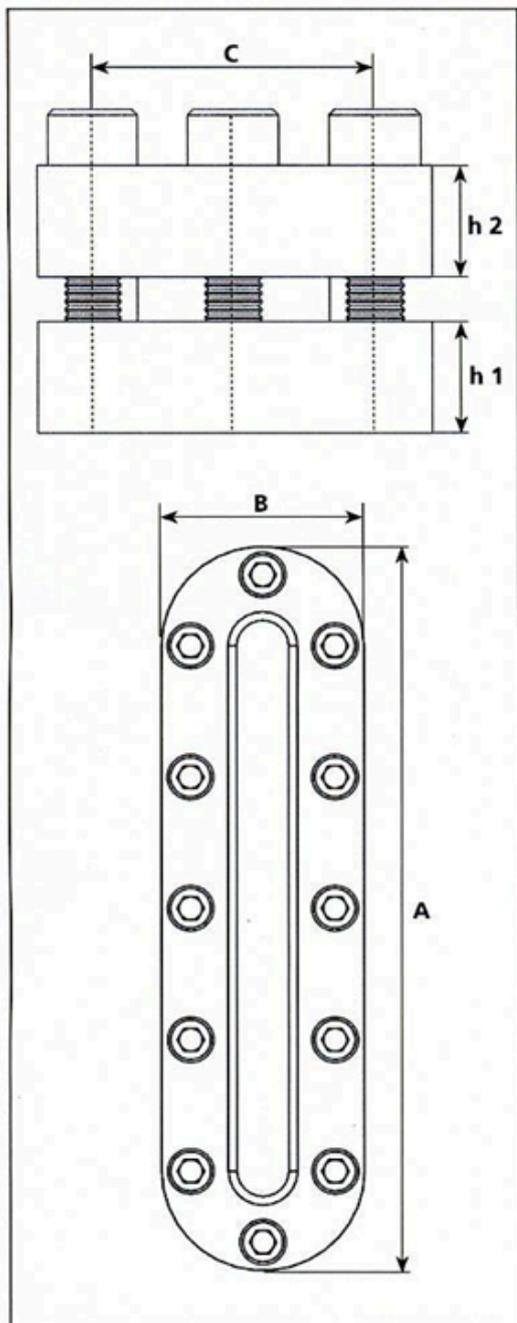
- Before installing the glass, check for any deformations and the flatness of the sealing surface. Deformations or flatness defects may cause sealing issues or even breakage of the glass.
- Screw tightening should start from the center of the sight glass and then proceed in a cross pattern. It should be gradual and uniform.



Hublot rectangulaire oblong - Vue éclatée

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Dimensions of Rectangular Oblong Sight Glasses



taille	PN	Dimensions		Visibilité		Vis M10		Dimensions verre	Ep. bride		Poids Kg
		A	B	long	larg	nbr	C		h1	h2	
1	2,5	266	116	200	50	8	94	70/10x220	25	15	6,3
2	2,5	341	116	275	50	10	94	70/10x295	25	15	7,6
3	2,5	416	116	350	50	12	94	70/10x370	25	15	9,8
4	2,5	491	116	425	50	14	94	70/10x445	25	15	11,0
5	2,5	566	116	500	50	16	94	70/10x520	25	15	12,3
6	2,5	641	116	575	50	18	94	70/10x595	25	15	14,2
7	2,5	791	116	725	50	22	94	70/10x745	25	15	18,0
Separator											
1	6	261	96	195	30	10	74	50/10x215	25	15	5,6
2	6	316	96	250	30	12	74	50/10x270	25	15	7,0
3	6	371	96	305	30	14	74	50/10x325	25	15	8,0
4	6	426	96	360	30	16	74	50/10x380	25	15	8,9
5	6	481	96	415	30	18	74	50/10x435	25	15	10,0
6	6	536	96	470	30	20	74	50/10x490	25	15	12,0
7	6	646	96	580	30	24	74	50/10x600	25	15	13,7
Separator											
1	10	260	80	198	18	12	58	34/10x215	25	15	5
2	10	305	80	243	18	14	58	34/10x260	25	15	5,8
3	10	350	80	288	18	16	58	34/10x305	25	15	6,5
4	10	395	80	333	18	18	58	34/10x350	25	15	7,5
5	10	440	80	378	18	20	58	34/10x395	25	15	8
6	10	485	80	423	18	22	58	34/10x440	25	15	9,5
7	10	575	80	513	18	26	58	34/10x530	25	15	13,0
Separator											
1	25	186	80	121	15	10	58	34/17x140	25	20	4,0
2	25	211	80	146	15	10	58	34/17x165	25	20	4,5
3	25	236	80	171	15	12	58	34/17x190	25	20	5,0
4	25	296	80	231	15	14	58	34/17x250	25	20	6,0
5	25	326	80	261	15	16	58	34/17x280	25	20	6,8
6	25	366	80	301	15	18	58	34/17x320	25	20	7,5
7	25	386	80	321	15	18	58	34/17x340	25	20	8,0

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