



### APPLICATION:

Observation and illumination of the liquid level inside closed vessels (boilers, tanks, silos, etc.).

These sightglasses are angular flange sockets for welding in or on, each completed with a firmly screwed sightglass plate inserted between the seals.

### INSTALLATION NOTE:

After the base frame has been welded in, check whether the sealing surfaces have warped! If necessary, rework must be performed! Please also observe the specified torques for the screw connection! The operating pressure does not apply to the base frame, which must be checked together with the pressure device according to AD data sheet B9!

Lightweight design with  
30 mm viewing panel  
Lloyd´s design appraisal  
( $\Delta P \leq 6$  bar)

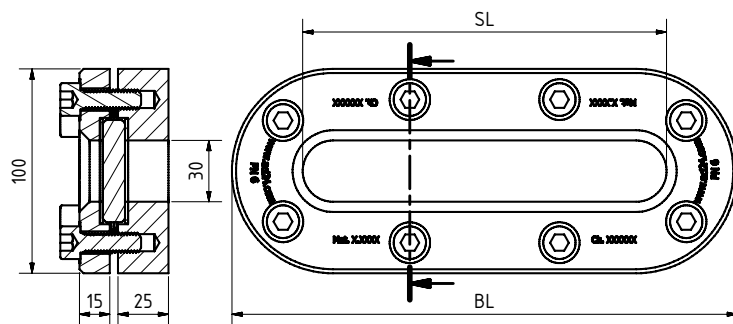


### Operating conditions:

Temperature:	243 °C Boro Reflex 300 °C Boro transparent 320 °C Boro transparent with mica protection
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Pressure:	$\leq -1^1$ bis 6	Bar
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<sup>1</sup> depends on environmental variables



### Materials:

Flange:	1.4571, 1.4404, P265GH
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Glass:	Borosilicate glass similar to DIN 7081
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Gasket:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
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Screws:	A4-70
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Special materials on request

BL	SL	Kg	Tightening torque <sup>2</sup> (Nm)
250	180	5,7	13 ... 34 <sup>2</sup>
310	240	7,0	13 ... 34 <sup>2</sup>
370	300	8,4	13 ... 34 <sup>2</sup>
430	360	10,2	13 ... 34 <sup>2</sup>
490	420	11,0	13 ... 34 <sup>2</sup>
550	480	12,4	13 ... 34 <sup>2</sup>
610	540	13,7	13 ... 34 <sup>2</sup>
670	600	15,1	13 ... 34 <sup>2</sup>

<sup>2</sup> graphite gasket

## PRODUCTCODE:

Group	TYPE	ovr. length	Base frame*	Glass	Gasket	Variant
11	336	250 310 370 430 490 550 610 670	1: P265GH 2: <b>1.4571</b> 3: 1.4404 4: S355... <sup>3</sup> 7: 1.4462 8: Special	1: <b>Borosilicate glass (Boro)</b> <b>similar to DIN 7081</b> 5: untempered borosilicate glass <sup>4</sup> transparent glass 6: Special	1: PTFE 2: FKM 3: NBR 4: <b>C4400</b> 5: Silicone 6: EPDM 7: Graphite 8: Special	Assigned by ACI if required

**INFO:** Unless otherwise stated, the factory standard highlighted is supplied.

\*Cover frame according to quotation / order confirmation.<sup>3</sup> Material certificate 3.1 possible, without AD2000 W1

### SPECIAL DESIGNS/OPTIONS:

- a) High temperature version on request<sup>4</sup>
- b) LED or halogen lights, ATEX-certified, EX
- c) Other options on request

<sup>4</sup> without Lloyds Register design appraisal

### IMPORTANT:

The design appraisal by Lloyd's Register does not replace the final approval of the entire system!

### EXAMPLE:

**11-336-370-2-1-7-000** equals the product code:

ACI Type 336  
370 mm long  
Base frame 1.4571  
Borosilicate glass  
gasket graphite  
standard version

### RECOMMENDATION:

For aggressive media or steam, mica discs should be used to protect the glass.