

### APPLICATION:

Oval sight glass fittings are used for observation and illumination of the inside of closed vessels (boilers, tanks, silos, etc.).

Sight glass fittings type 334 are rectangular longitudinal sight glass fittings for welding in or on, each completed with a sight glass plate inserted between the gaskets and screwed firmly.

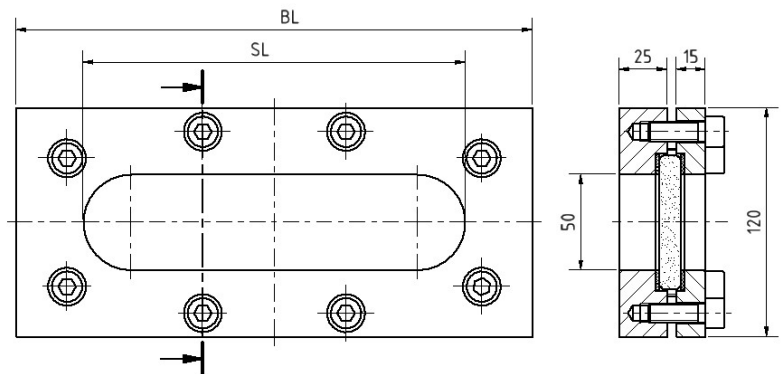
### INSTALLATION NOTE:

After welding the base frame to the pressure vessel, check whether the sealing surface has warped. Reworking may be required! Also observe the specified torques for the screw connections according to the operation and maintenance manual!

The operating pressure does not apply to the base frame, this must be verified together with the pressure vessel according to AD 2000 instruction leaflet B9 or equivalent code!

**Lightweight version  
with 50 mm  
vision panel**

Operating conditions:	
Temperature: (depending on glass and gasket)	up to <b>280°C</b> with Borosilicate glass transparent similar to DIN 7081
Pressure:	≤3 bar(g)
Higher temperatures on request	



Materials:	
Frame:	1.4571, 1.4404
Glass:	Borosilicate glass transparent similar to DIN 7081
Gasket: <sup>1</sup>	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70
Special materials on request <sup>1</sup> see INFO gaskets-leaflet	

BL [mm]	270	340	410	480	550	620	690	760
SL [mm]	200	270	340	410	480	550	620	690
Weight [kg]	7,4	9,0	10,6	12,2	13,8	15,4	17,0	18,6

### PRODUCTCODE:

Group	TYPE	overall length	Base frame*	Glass	Gasket	Variant
11	334	270 340 410 480 550 620 690 760	2: 1.4571 3: 1.4404 8: Special	1: Borosilicate glass (Boro) transparent similar to DIN 7081 6: Special	1: PTFE 2: FKM 3: NBR 4: C4400 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.

### SPECIAL DESIGNS / OPTIONS:

- a) High temperature version on request
- b) Nearly cavity-free design on request
- c) Other options on request

### EXAMPLE:

**11-334-480-2-1-4-000** equivalent to:

ACI Type 334

480 mm overall length

Base frame made of 1.4571

Cover frame made of 1.4571

Borosilicate glass transparent, similar to DIN 7081

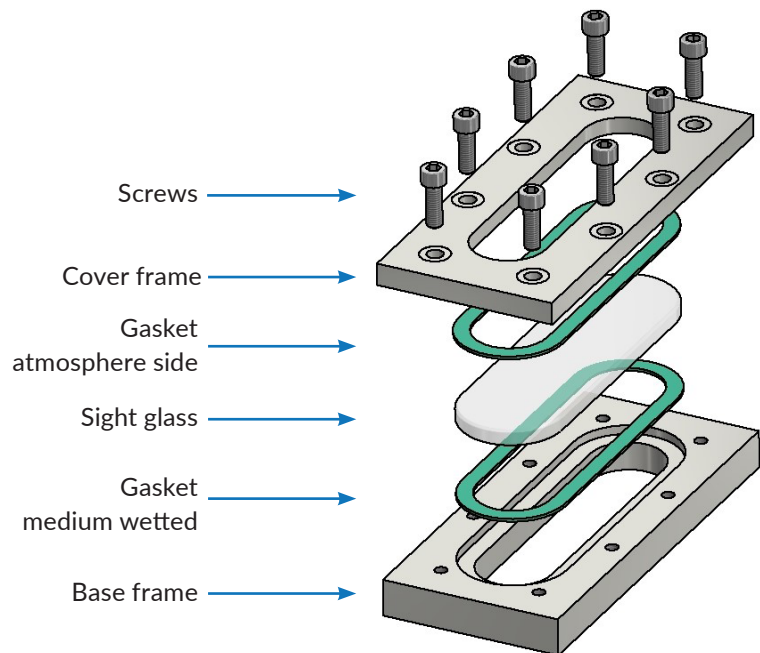
Gasket C4400

**Standard design**

- additional accessories optional



Special design option b) with stepped glass



### RECOMMENDATION:

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