



Lightweight version with  
50 mm vision panel

### USE:

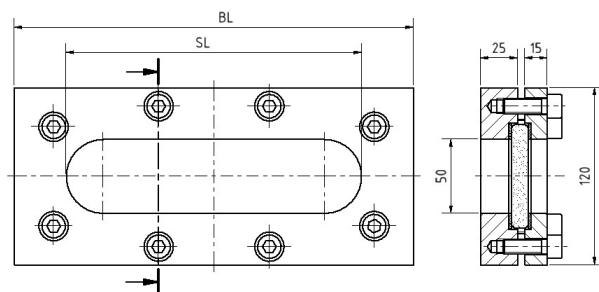
Longitudinal sight glasses are used to observe and illuminate the inside of closed vessels (boilers, tanks, silos, etc.). Sight glass fittings type 334 are rectangular longitudinal sight glass fittings for welding in or on, each completed with a sight glass plate inserted between the gaskets and firmly screwed in place.

### INSTALLATION INSTRUCTIONS:

After welding in the base frame, check whether the sealing surface has warped. If necessary, this must be reworked! Also observe the specified torques for the screw connection, according to the operating and maintenance instructions! The operating pressure does not apply to the base frame, this must be tested together with the pressure device according to AD leaflet B9!

OPERATING CONDITIONS		
Temperature: (depending on glass and gasket)	≤ 280°C	Borosilicate glass transparent similar to DIN 7081
	> 280°C	on request
Pressure:	≤ 3 bar(g)	

### DRAWING:



MATERIALS	
Base 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-gasket“ leaflet

### PRODUCT CODE:

Example to explain the code composition

11-334-480-2-1-4-000						
GROUP	TYPE	OVERALL LENGTH	BASE FRAME <sup>1</sup>	GLASS	GASKET	VARIANT
11	334	270	2) 1.4571	1) Borosilicate glass transparent similar to DIN 7081	1) PTFE	000) Standard
		340	3) 1.4404	6) Special	2) FKM	
		410	8) Special		3) NBR	
		480			4) C4400	
		550			5) Silicone	
		620			6) EPDM	
		690			7) Graphite	
		760			8) Special	

1) Cover frame according to quotation/order confirmation



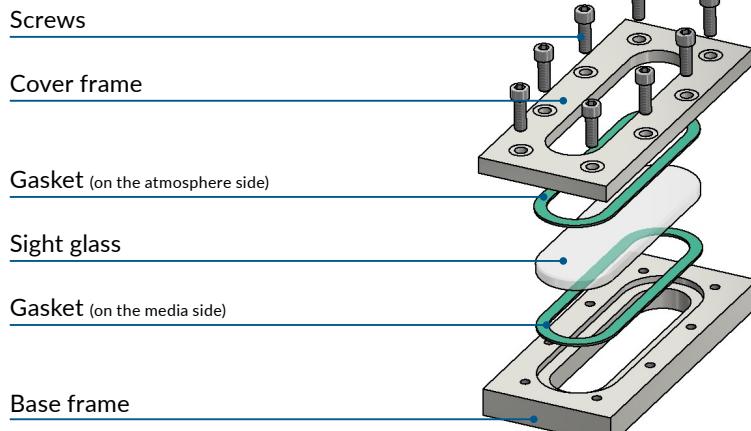
Unless otherwise stated, the highlighted factory standard is supplied.

### 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 version**  
- special length possible on request  
- other equipment options

### CONSTRUCTION:



### QUICK OVERVIEW:



PN 3  
≤ 3 bar(g)



heat-resistant up to  
280 °C



for liquid  
media



for gaseous  
media



Overall length  
BL 270 up to 760



Customized products  
possible



> 50 gasket  
materials



Additional equipment  
available

### OPERATING CONDITIONS:

Operating conditions depend on the choice of glass and gaskets:

		SIGHT GLASS	GASKETS							
			Borosilicate glass transparent, similar to DIN 7081	PTFE max. 200 °C	FKM max. 200 °C	NBR max. 80 °C	C4400 max. 175 °C	Silicone max. 180 °C	EPDM max. 130 °C	Graphite > 400 °C
TEMPERATURE	up to 80 °C	✓	✓	✓	✓	✓	✓	✓	✓	
	up to 130 °C	✓	✓	✓	✗	✓	✓	✓	✓	
	up to 150 °C	✓	✓	✓	✗	✓	✓	✗	✓	
	up to 175 °C	✓	✓	✓	✗	✓	✓	✗	✓	
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓	
	up to 280 °C	✓	✗	✗	✗	✗	✗	✗	✓	
	> 280 °C	on request								
PRESSURE	up to 3 bar (g)	✓	✓	✓	✓	✓	✓	✓	✓	

✓ suitable      ✗ unsuitable

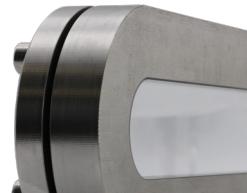
### OPTIONAL EQUIPMENT:



Mica discs



Nearly cavity-free design



- › bis 300°C mit Borosilikatglas  
DIN 7081 transparent

- › with stepped glass



### FEP protective screen/ coating

- › for high pH values



For aggressive media or steam, mica lenses should be used to protect the glasses. (Not possible for reflective glasses, as this would cause them to lose their function).