Longitudinal sight glass fitting type 334 PN 3

For welding in or on

Type 334



Light execution with a 50 mm wide viewing window

USAGE

Longitudinal sight glass fittings serve to observe and illuminate the interior of closed containers (boilers, tanks, silos, etc.). Sight glass fittings of type 334 are rectangular longitudinal sight glass fittings for welding in or onto, completed with an embedded and securely screwed sight glass plate placed between the gaskets.

Operating Condition		
Temperature: (depending on glass and gasket)	≤ 280 °C	Borosilicate glass transparent similar to DIN 7081
	> 280 °C	on request
Pressure:	≤ 3 barg	

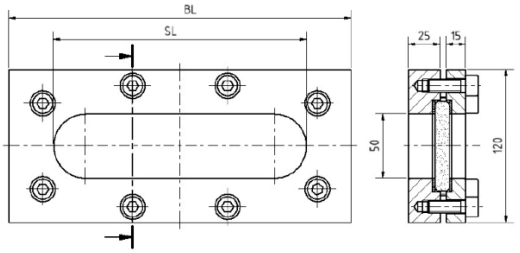
Materials	
Base frame:	1.4571; 1.4404
Glass:	Borosilicate glass transparent similar to DIN 7081
Gasket[1]:	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A2-70 / A4-70
Special materials available upon request	

1) See "INFO Gaskets"

INSTALLATION NOTE

After welding the base frame, it must be checked whether the sealing surface has warped. If necessary, this must be reworked! Also, pay attention to the specified tightening torques for the bolting, according to the operating and maintenance instructions! The working pressure does not apply to the base frame; this must be checked along with the pressure device according to AD2000 Leaflet B9!

DRAWING



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

Longitudinal sight glass fitting type 334 PN 3

For welding in or on

Type 334

PRODUCT CODE

Example for Explaining the Code Composition

11 - 334 - 550 - 2 - 1 - 4 - 000

GROUP	TYPE	LENGTH	BASE FRAME[1]	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) Custom made design	2) FKM	
		410	8) Custom made design		3) NBR	
		480			4) C4400	
		550			5) Silicone	
		620			6) EPDM	
		690			7) Graphite	
		760			8) Custom made design	

1) Cover frame according to the offer / order confirmation

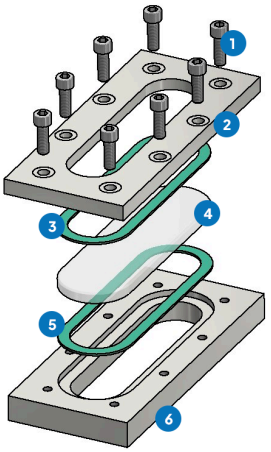
Unless otherwise stated, the highlighted factory standard will be delivered.

EXAMPLE

The product code 11-334-550-2-1-4-000 corresponds to the standard version:
ACI type 334
550 mm long
PN 3
Base frame made of 1.4571
Cover frame made of 1.4571
Borosilicate glass transparent, similar to DIN 7081
Gasket KlingerSil® C4400

STRUCTURE

1. Screws
2. Cover frame
3. Glass cushion
4. Sight glass
5. Gasket
6. Base frame



For aggressive media, FEP or Halar® coated sight glass plates can be used. With steam, mica discs should be used to protect the glasses.

Longitudinal sight glass fitting type 334 PN 3

For welding in or on

Type 334

QUICK OVERVIEW

- max. 3 barg
- heat resistant up to 280 °C
- for liquid media
- for gaseous media
- Total length 270 - 760 mm
- Custom made design possible
- > 50 gasket materials
- Accessories available

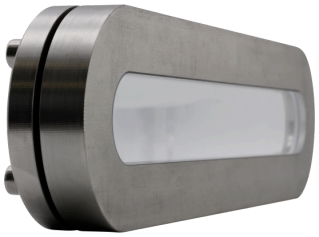
OPERATING CONDITIONS

TERMS AND CONDITIONS: Terms and conditions depend on the choice of glass and the 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	on request						
PRESSURE	up to 3 barg	✓	✓	✓	✓	✓	✓	✓	✓

✓ suitable ✗ unsuitable

OPTIONAL ACCESSORIES



Nearly dead space-free design

> with Stepped glass



FEP protective screen / coating

> for high pH values

ACI Industriearmaturen GmbH

info@aci24.com
www.aci24.com
Königskamp 19 · 52428 Jülich · Germany
+49 (0) 2461 91634 00
+49 (0) 2461 91634 44