

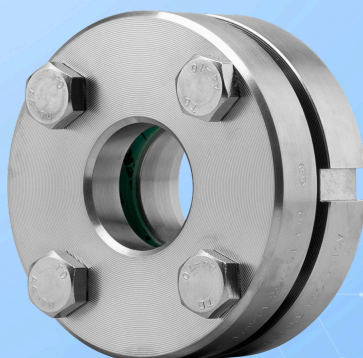


ACI
INDUSTRIEARMATUREN

Circular sight glass fitting type 392 PN 16/160

with external thread / male
thread for screwing in

Type 392



With threaded connection according to DIN EN ISO
228-1

USAGE

The sight glass fittings type 392 with screw joints are suitable for screwing into pipelines, boilers, tanks, and equipment of all kinds. The areas of application are available wherever visual inspections of filling or flow are required. They are suitable for liquids and gases alike. The sight glass fittings are particularly recommended for special constructions in different areas of application.

Operating condition

Temperature: (depending on glass and gasket)	$\leq 280\text{ }^{\circ}\text{C}$	Borosilicate glass (DIN 7080 or similar)
--	------------------------------------	---

Pressure:	$\leq 16\text{ barg to }160\text{ barg}$
-----------	--

Higher pressures available upon request

Low temperature usage and higher temperatures / pressures available
upon request

Materials

Base flange:	1.4571; 1.4404
Glass:	Borosilicate glass (DIN 7080 or similar)
Gasket ¹ :	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A2-70 / A4-70

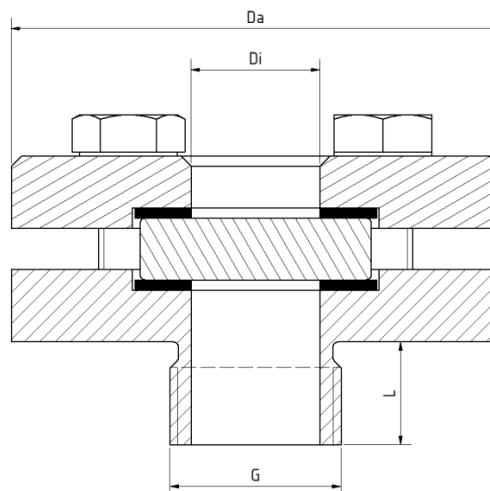
Special materials upon request

1) See „INFO Gaskets“

INSTALLATION NOTE

The connection must be sealed with appropriate sealing material to achieve the specified pressure rating. The connection thread is not self-sealing!

DRAWING





PN	G	Da [mm]	Di [mm]	L [mm]	Weight [kg]
16	½"	70	15	20	0,7
	1"	95	25	20	1,4
	1½"	110	40	20	2,1
	2"	110	40	20	2,1
40	½"	70	15	20	0,7
	1"	like PN 63			
	1½"	110	40	20	2,1
	2"	110	40	20	2,1
63	½"	95	15	20	1,3
	1"	95	25	20	1,5
	1"	like PN 100			
	2"	like PN 100			
100	½"	70	15	20	0,7
	1"	95	25	20	1,5
	1½"	110	40	20	2,2
	2"	110	40	20	2,2
160	½"	70	15	20	0,7
	1"	95	25	20	1,7
	1½"	110	40	20	2,6
	2"	110	40	20	2,6
Other sizes and pressure levels upon request					
Installation via hook wrench as for DIN 11851					



ACI
INDUSTRIEARMATUREN

Circular sight glass fitting type 392 PN 16/160 with external thread / male thread for screwing in

Type 392

PRODUCT CODE

Example for Explaining the Code Composition

11 - 392 - 2 - 1 - 2 - 1 - 4 - 0

GROUP	TYPE	G	PN	BASE FLANGE ¹	GLASS	GASKET	VARIANT
11	392	1) ½"	1) 16	1) 1.4404	1) Borosilicate glass according to DIN 7080 or similar	1) PTFE	Standard
		2) 1"	2) 40	2) 1.4571		2) FKM	
		3) 1½"	3) 63	3) Special	4) Borosilicate glass ² + PTFE wiper SGW	3) NBR	
		4) 2"	4) 100		5) Borosilicate glass ² + silicone wiper SGW	4) C4400	
		5) Special	5) 160			5) Silicone	
			6) Special			6) EPDM	
						7) Graphite	
						8) Special	

1) Cover flange according to quote / order confirmation

2) Similar to DIN 7080



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

EXAMPLE

The product code **11-392-2-1-2-1-4-0** corresponds to the standard version:

ACI type 392

Thread G 1"

PN 16

Base flange made of 1.4571

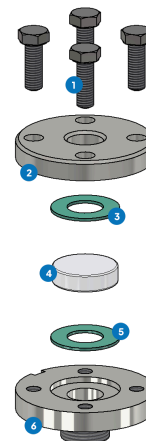
Cover flange made of 1.4571

Borosilicate glass (DIN 7080 or similar)

Gasket KlingerSil® C4400

STRUCTURE

1. Screws
2. Cover flange
3. Glass cushion
4. Sight glass
5. Gasket
6. Base flange with threaded connection



For aggressive media, FEP or Halar® coated sight glasses can be used. In case of steam, mica discs should be used to protect the glasses.



Circular sight glass fitting type 392 PN 16/160

with external thread / male
thread for screwing in

Type 392

QUICK OVERVIEW



max. 160 barg



temperature resistant up
to 280 °C



for liquid media



for gaseous media



Nominal sizes
½" - 2"



Custom manufacturing
possible



> 50 sealing materials



Accessories available

OPERATING CONDITIONS

Operating conditions depend on the choice of glass and gaskets:

		Sight glass		Gaskets					
		Borosilicate glass (DIN 7080 or similar)	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 175 °C	✓	✓	✓	✗	✓	✓	✗	✓
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓
	up to 280 °C	✓	✗	✗	✗	✗	✗	✗	✓
PRESSURE	up to 16 barg	✓	✓	✓	✓	✓	✓	✓	✓
	up to 40 barg	✓	✓	✗	✗	✓	✗	✗	✓
	up to 63 barg	✓	✗	✗	✗	✗	✗	✗	✓
	up to 100 barg	✓	✗	✗	✗	✗	✗	✗	✓
	up to 160 barg	✓	✗	✗	✗	✗	✗	✗	✓



suitable



unsuitable

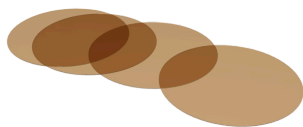


ACI
INDUSTRIEARMATUREN

**Circular sight glass
fitting type 392 PN
16/160**
with external thread / male
thread for screwing in

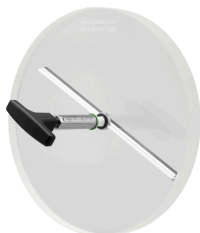
**Type
392**

OPTIONAL ACCESSORIES



Round mica discs

- > up to 320 °C with Borosilicate glass
DIN 7080



Sight glass wiper

- > with PTFE, silicone, EPDM or FKM
wipers



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

Continental Trade Sp. z o.o.

✉ biuro@continentaltrade.com.pl ☎ +48 22 670 11 81

🌐 www.continentaltrade.com.pl 📞 -

📍 Stara 23 · 05-270 Nadma · Poland