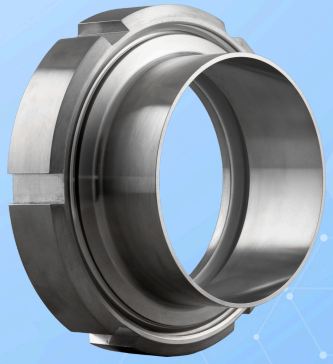
INDUSTRIEARMATUREN

Screwed sight glass fitting type 327

similar to DIN 11851 / EN 10357

Type 327



EDELSTAHL Rostfrei INOX STAINLESS STEEL

Execution similar to DIN 11851 / EN 10357

USAGE

Screwed sight glass fittings are used to observe processes inside boilers, containers, and pipelines. They are applied in the food sector, dairies, breweries, beverage industries, and in pharmaceutical and medical technology. Due to the screw cap, a quick cleaning of the sight glass is possible. The high permissible temperatures also allow for sterilization.

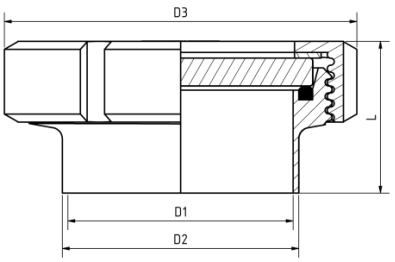
Operating condition		
Temperature: (depending on glass and gasket)	≤ 200 °C	Borosilicate glass DIN 7080 or similar
Pressure:	≤ 10 barg	
Pressure with wiper SGW:	≤ 6 barg	

Materials	
Stutzen / Slotted nut:	1.4404; 1.4301/1.4306/1.4307
Glass:	Borosilicate glass DIN 7080 or similar
Seal:	PTFE; FKM; NBR; silicone; EPDM

INSTALLATION NOTE

The Welding ends of the threaded socket must be done without distortion to ensure optimal sealing and fit accuracy. All welding work may only be carried out by trained and appropriately authorized personnel.

DRAWING



DN	25	32	40	50	65	80	100	125	150
D1 [mm]	26	32	38	50	66	81	100	125	150
D2 [mm]	29	35	41	53	70	85	104	129	154
D3 [mm]	63	70	78	92	112	127	148	178	210
L [mm]	37	40	41	43	48	54	64	58	60
Weight [kg]	0.31	0.40	0.50	0.70	1.10	1.61	2.27	3.10	5.30
Surface Inside Ra ≤ 0.8 µm									

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Type 327

PRODUCT CODE

Example for Explaining the Code Composition

11 - 327 - 100 - 1 - 1 - 1 - 000

GROUP	TYPE	NOMINAL SIZE	SOCKET/FLANGE NUT[1]	GLASS	GASKET	VARIANT
11	327	DN25	1) 1.4404	1) Borosilicate glass according to DIN 7080 or similar	1) PTFE	000) Standard
		DN 32	2) 1.4301/6/7	3) Borosilicate glass[2] + PTFE wiper SGW	2) FKM	
		DN 40		5) Borosilicate glass[2] + silicone wiper SGW	3) NBR	
		DN 50			5) Silicone	
		DN 65			6) EPDM	
		DN 80			8) Special	
		DN 100				
		DN 125				
		150				

1) Nutmutter according to offer / order confirmation
2) Similat to DIN 7080

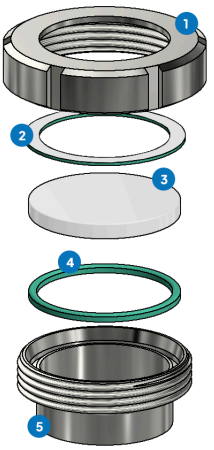
Unless otherwise specified, the highlighted factory standard will be delivered.

EXAMPLE

The product code 11-327-100-1-1-1-000 corresponds to the standard version:
ACI Type 327
DN 100
PN 10
Threaded socket made of 1.4404
Slotted nut made of 1.4404
Borosilicate glass DIN 7080
Gasket PTFE

STRUCTURE

1. Slotted nut
2. Glass cushion
3. Sight glass
4. D-Ring gasket
5. Threaded socket



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Type 327

QUICK OVERVIEW

- max. 10 barg
- heat resistant up to 200 °C
- for liquid media
- for gaseous media
- Nominal sizes DN 25 - 150
- Custom designs available
- Accessories available

OPERATING CONDITIONS

Operating conditions depend on the choice of glass and seals:

		SIGHT GLASS	GASKET				
		Borosilicate glass DIN 7080 or similar	PTFE max. 200 °C	FKM max. 200 °C	NBR max. 80 °C	Silicone max. 180 °C	EPDM max. 130 °C
TEMPERATURE	up to 80 °C	✓	✓	✓	✓	✓	✓
	up to 130 °C	✓	✓	✓	✗	✓	✓
	up to 180 °C	✓	✓	✓	✗	✓	✗
	up to 200 °C	✓	✓	✓	✗	✗	✗
PRESSURE	6 to 10 barg	✓	✓	✓	✓	✓	✓

✓ suitable ✗ unsuitable

OPTIONAL ACCESSORIES



Sight glass wiper

> with PTFE, silicone, EPDM or FKM wipers



LED lamp in combination with wiper SGW

> for non-Ex areas



LED lamp with flange attachment

> for Ex and non-Ex areas

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