

# Screwed sight glass PN 10

Welding in or on similar to DIN 11851 / EN 10357

Type 327



#### APPLICATION:

Screw sightglass fittings are used to observe processes inside boilers, vessels and pipelines. Their applications are in the food industry, dairies, breweries, beverage industry and in pharmaceutical and medical technology. Due to the screw cap, quick cleaning of the sight glass is possible. The high permissible temperatures additionally enable sterilization.

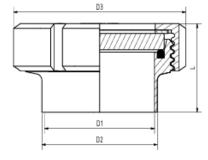
#### **INSTALLATION NOTE:**

Ensure that the threaded socket is welded in without distortion! Welding work must be carried out by trained and authorized personnel.

Similar to DIN 11851 / EN 10357

Operating conditions:					
Temperature: (depending on glass and gasket)	up to 200 °C with Borosilicate glass according to DIN 7080 or similar				
Pressure:	≤10	bar(g)			
Pressure with wiper:	≤6	bar(g)			

Materials:				
Flange:	1.4404; 1.4301/7			
Glass:	Borosilicate glass according to DIN 7080 or similar			
Gasket: 3	PTFE; FKM; NBR; Silicone; EPDM			
3see INFO- gaskets-leaflet				



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
Wt. [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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#### PRODUCTCODE:

Group	TYPE	DN	Socket/ Groove nut*	Glass	Gasket	Variant
11	327	25 32 40 50 65 80 100 125 150	1: 1.4404 2: 1.4301/7	1: Borosilicate glass (Boro) DIN 7080 3: Borosilicate glass DIN 7080 + PTFE wiper 5: Borosilicate glass DIN 7080 + silicone wiper	1: PTFE 2: FKM 3: NBR 5: Silicone 6: EPDM 8: Special	Assigned by LUMISTAR if required

INFO: Unless otherwise stated, the factory standard highlighted is supplied.

#### **ACCESSORIES:**

- Wiper SGW with PTFE or silicone wiper blade
- b) LED lights, for Ex- and Non-Ex-areas
- c) Mica protection





### **EXAMPLE:**

11-327-100-1-1-1-000 equivalent to: LUMISTAR Type 327

DN 100

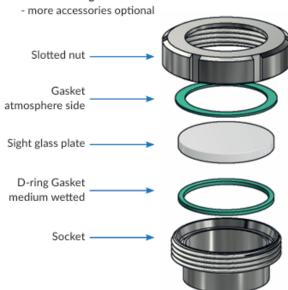
Socket out of 1.4404

Groove nut out of 1.4404

Borosilicate glass DIN 7080

Gasket PTFE

## Standard design



### RECOMMENDATION:

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

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<sup>\*</sup>Slot nut according to quotation / order actuation.