



For round viewing glass plates similar DIN 7080

USAGE

The sight glass wipers of type SGW are designed for on-demand, manual cleaning of glass plates in round sight glass fittings. They are suitable for applications under pressure and can also be easily retrofitted into existing sight glass fittings.

Operations Conditions:

| | |
|---|--|
| Temperature: (depending on glass and seals) | up to 200 °C ¹ with Borosilicate glass similar to DIN 7080 and O-Rings wiper blades: PTFE / silicone / EPDM / |
| Pressure: | max. 25 ² barg |

¹ Higher temperatures on request

² depending on the glass thickness (higher pressures on request)

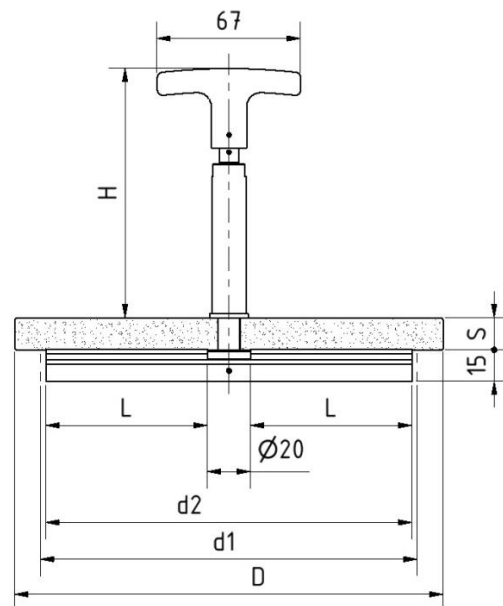
INSTALLATION NOTE

Built into sight glass plates, similar to DIN 7080, with a central hole $\varnothing 10.5 \pm 0.3$ mm. Suitable for all sight glass fittings with glasses similar to DIN 7080.

COMBINATION OPTIONS

The simultaneous combination of the sight glass wiper type SGW with a lamp as well as with the spraying device SVI is possible. In this case, the max. allowable temperature and the thermal cycling resistance of the sight glass plate must be observed.

DRAWING



MEASUREMENTS

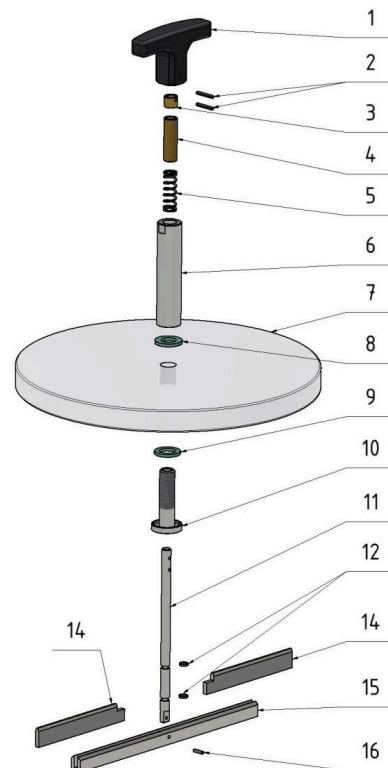
| Dimensions: | | | | | | | | | | | | | | | | |
|-----------------|---------|-------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|-----|-----|-----|---|---|--|--|
| Size | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | | | |
| Nominal size | DN | 50 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | | | | |
| Glass Ø | D [mm] | 100 | 125 | 150 | 175 | 200 | 250 | 300 | on request | | | | | | | |
| Free view | d1 [mm] | 80 | 100 | 125 | 150 | 175 | 225 | 280 | | | | | | | | |
| Wipe circle Ø | d2 [mm] | 75 | 95 | 120 | 145 | 170 | 220 | 275 | | | | | | | | |
| Glass thickness | S [mm] | Operating pressure max. PS [bar(g)] | | | | | | | | | | | | | | |
| Height | H [mm] | | | | | | | | | | | | | | | |
| | | 116 | 15 | 8 | 5 | 4 | 3 | 2 | | | | | / | / | | |
| | | 111 | 20 | 12 | 8 | 5 | 5 | 4 | 2 | 1 | | | | | | |
| | | 106 | 25 | 20 | 12 | 8 | 8 | 5 | 4 | 2 | | | | | | |
| | | 121 | 30 | 25 ⁴ | 20 | 12 | 12 | 8 | 5 | 3 | | | | | | |
| | | 116 | 35 | / | 25 ⁴ | 21 | 15 | 11 | 7 | 4 | | | | | | |
| | | 111 | 40 | / | / | 25 ⁴ | 20 | 14 | 9 | 6 | | | | | | |
| | | 106 | 45 | / | / | / | 25 ⁴ | 18 ⁴ | 11 | 7 | | | | | | |
| | | 111 | 55 ³ | | | | | | | | | | | | | |

³ 55 mm on request, ⁴ higher pressures on request

PARTS AND MATERIALS - TABLE

| Pos. | Parts list and materials: | |
|------|---------------------------|--|
| 1. | Handle, T-shape | PA with brass socket |
| 2. | Retaining pins | 1.4310 |
| 3. | Spacers | Brass |
| 4. | Spacers | Brass |
| 5. | Compression spring | 1.4310 |
| 6. | Threaded sleeve | ⁵ 1.4404 / 1.4571 |
| 7. | View glass plate | Borosilicate glass |
| 8. | Gasket (atmospheric side) | C-4300 / C4400, asbestos-free |
| 9. | O-ring (media-contacted) | FKM, FFKM ^H , FDA compliant |
| 10. | Threaded bush | ⁵ 1.4404 / 1.4571 |
| 11. | Wiper shaft | ⁵ 1.4404 / 1.4571 |
| 12. | O-rings (media-contacted) | FKM, FFKM ^H , FDA compliant |
| 14. | Wiper blades | PTFE, silicone, EPDM, FDA compliant |
| 15. | Wiper arm | ⁵ 1.4404 / 1.4571 |
| 16. | Retaining pin | 1.4310 |

⁵ according to availability
^H high-temperature version



Explosion representation: Type SGW with sight glass plate

PRODUCT CODE

Example for Explaining the Code Composition

11 - SGW - 5 - 2 - 1 - 1 - 1 - 0

| GROUP | TYPE | DN | GLASS THICKNESS [MM] | TYPE OF GLASS | WIPING CIRCLE DIAMETER | WIPER BLADE | VARIANT |
|-------|------|------------|----------------------|---|------------------------|---------------------|--|
| 11 | SGW | 3) 50 | 2) 15 | 0) Without Glass | 1) Standard | 1) PTFE (200°C) | H) High temperature up to 260°C, on request Assigned by ACI if needed |
| | | 4) 80 | 3) 20 | 1) Borosilicate glass similar to DIN 7080 | X) Special | 2) Silicone (180°C) | |
| | | 5) 100 | 4) 25 | | | 3) EPDM (130°C) | |
| | | 6) 125 | 5) 30 | X) Special | | X) Special | |
| | | 7) 150 | 6) 35 | | | | |
| | | 8) 200 | 7) 40 | | | | |
| | | 9) 250 | 8) 45 | | | | |
| | | 10) 300 | 9) 50 | | | | |
| | | X) Special | 10) 55 | | | | |
| | | | | | | | |



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

EXAMPLE

The product code **11-SGW-5-2-1-1-1-0**

corresponds to the standard version:

Borosilicate glass i.A. DIN 7080 + SGW

Dimensions: Ø 150 x 15 mm

with cent. hole Ø 10.5 ± 0.3 mm

with ACI wiper SGW size 5

Double wiper blade made of PTFE

Operation: T-handle

Operating pressure max. 4 barg

Operating temperature: max. 200°C



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