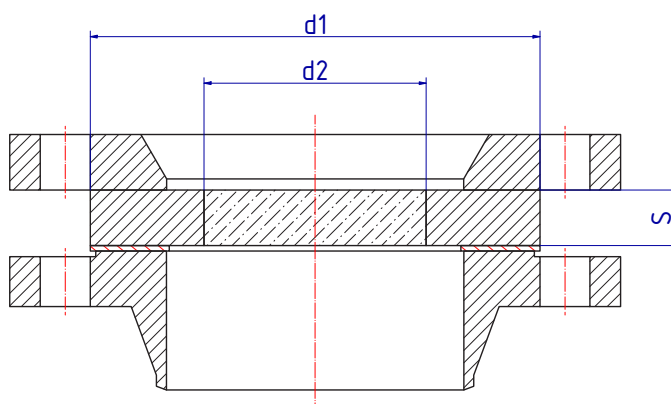
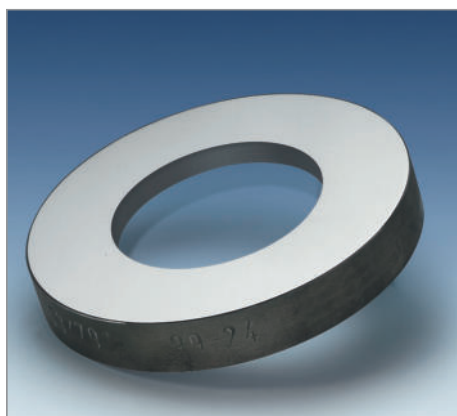


## LUMIGLAS® Sight glass Discs for Welding Neck Flanges – Connection to ANSI B16.5

**Applications**

- As replacement for conventional glasses in the following assemblies:
- Circular sight ports similar to DIN 28121
- Plus any other assemblies where the Glass is of the same dimensions, welding neck flanges with flat or raised face

**Operating conditions**

Temperature: -60°C to +300°C  
 Pressure: Up to 40 bar (TÜV)  
 Higher pressures possible

| Ring materials | Temperature (TS) |
|----------------|------------------|
| S355J2+N       | -10°C bis +300°C |
| 1.4462         | -30°C bis +280°C |
| 2.4602         | -60°C bis +300°C |
| 2.4610         | -60°C bis +300°C |

**Approvals and technical data**

- Manufactured and tested in conformance with:
- Pressure Equipment Directive 2014/68/EU, Module H (DIN/EN/ISO 9001)
- AD2000 Standards W0/TRD 100
- TÜV and Factory Mutual Approval\*
- CRN
- Sight glass fused to metal conforming to DIN 7079
- Borosilicate Glass to DIN 7080 / DIN 7079

**Advantages**

- Reliability against total failure – the possibility of sudden unexpected rupture is totally excluded
- High resistance to bending and over-tightening offers simple and fast installation with no risk of breakage
- Extreme resistance to impact, pressure and Temperature
- Reusable in the same or other applications – conventional Glass is not available
- Wide acceptance in the European & American chemical industries

**Material certificates**

- Certificate of Conformity to EN 10204-3.1 or 3.2

| Nominal size | Maximum Pressure |     |    |         |     |    |         |     |    |
|--------------|------------------|-----|----|---------|-----|----|---------|-----|----|
|              | 150 psi          |     |    | 300 psi |     |    | 600 psi |     |    |
|              | D1               | D2  | S  | D1      | D2  | S  | D1      | D2  | S  |
| 1"           | 63               | 30  | 10 | 70      | 30  | 15 | 70      | 30  | 20 |
| 1 1/2"       | 82               | 40  | 12 | 92      | 40  | 18 | 92      | 40  | 25 |
| 2"           | 100              | 55  | 15 | 107     | 50  | 22 | 107     | 50  | 25 |
| 3"           | 134              | 70  | 15 | 145     | 70  | 25 | 145     | 70  | 33 |
| 4"           | 171              | 80  | 20 | 177     | 80  | 28 | 190     | 80  | 40 |
| 5"           | 192              | 100 | 20 | –       | –   | –  | –       | –   | –  |
| 6"           | 218              | 100 | 25 | 244     | 120 | 35 | 263     | 100 | 45 |
| 8"           | 273              | 120 | 30 | 305     | 125 | 40 | 315     | 100 | 50 |
| 10"          | 336              | 150 | 30 | 358     | 130 | 45 | –       | –   | –  |

\*Approved dimensions and materials see <https://i-lumistar.com/>  
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