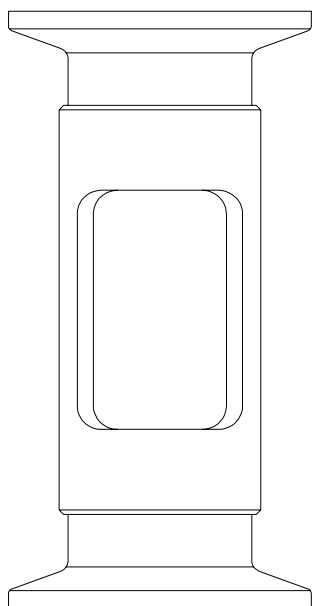


# HSG02 In-Line Sight Glass

HSG02-TB  
02/06

# Staitech



## HSG02 In-Line Sight Glass

The HSG02 In-line range of sight glasses are designed for use in high purity applications where a visible indication of flow or product presence is required. The double window design provides optimum viewing area and eliminates the need for a back light. The two-piece body design ensures that any forces exerted by the piping systems are transferred through the machined body of the unit therefore protecting the glass against possible damage. Should these forces include torsional action, then the bolted HSG03 design should be considered. An optional Polycarbonate knock shield is also available, and this can be fitted without the need to disassemble the sight glass. The bore of the glass and end fittings match that of the corresponding imperial tubing size thus eliminating the possibility of fluid retention, even when units are installed horizontally. The HSG02 range combines 316L stainless steel body parts with toughened borosilicate glass making them suitable for both clean-in-place (CIP) and sterilisation-in-place (SIP) operations. All wetted surfaces are finished to 0.4 microns Ra, with electropolished finishes also available.

### Product specification

Sizes	1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3" & 4"
Connections	Tri-Clamp® compatible
Maximum operating pressure	10 barg
Maximum allowable temperature	
With EPDM seals	135°C
With FEP-Silicone, Viton or Silicone seals	200°C
When fitted with Polycarbonate knock shield*	85°C

Surface finish	
Internal	0.4 microns Ra
External	0.8 microns Ra

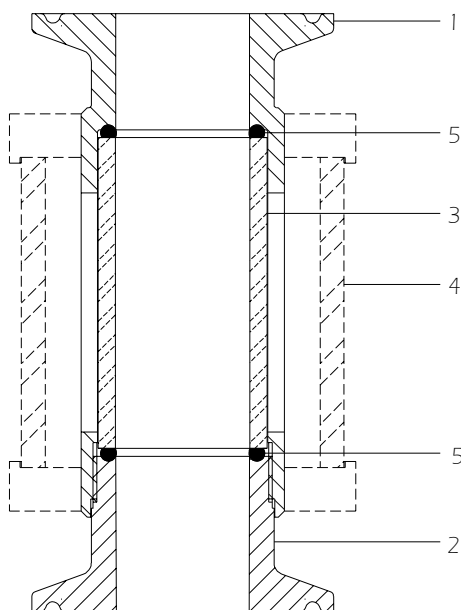
Options	DIN & ISO sizes, WN1.4435 & C22 material, electropolished finishes, alternative lengths, Polycarbonate knock shield, optical level switches
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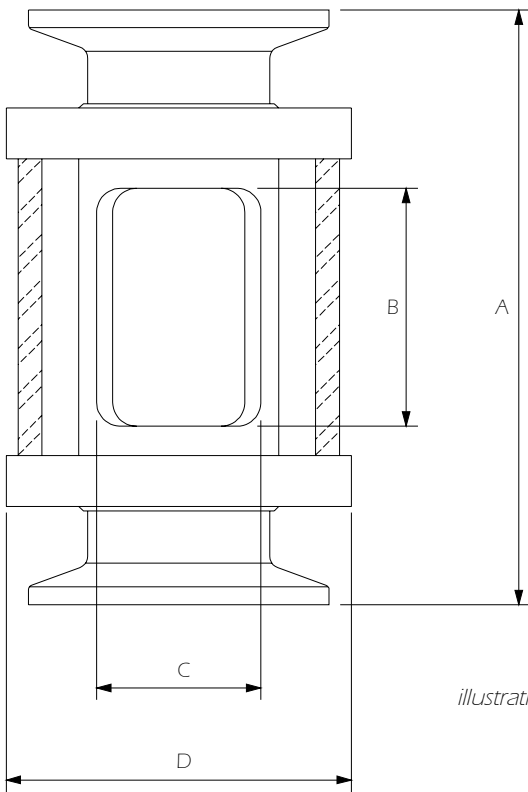
\*Units fitted with knock shield may be subjected to internal SIP at temperatures up to 135°C for short periods.

### Materials of construction

1.	Body	316L Stainless steel
2.	End fitting	316L Stainless steel
3.	Glass	Borosilicate
4.	Knock shield	Polycarbonate
5.	Seal*	EPDM, Viton, Silicone or FEP-Silicone

\*All elastomer seal materials are FDA compliant. FEP-Silicone seals are both FDA and USP Class VI compliant.





**Dimensions(mm)**

	A	B	Viewing area C*	D
1/2"	90	40	120°	34
3/4"	90	40	120°	34
1"	100	40	120°	64
1-1/2"	100	40	120°	64
2"	100	40	120°	80
2-1/2"- 4"	100	40	120°	-

\*Sight glasses have two windows at 180° separation

\*\*Dimension D only applies when knock shield fitted as body diameter is smaller than clamp diameter for all sizes.

*illustration showing knock-shield fitted*