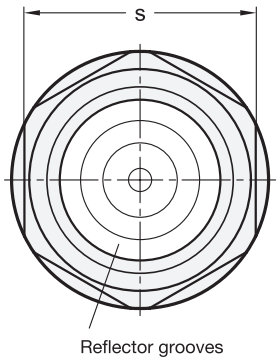
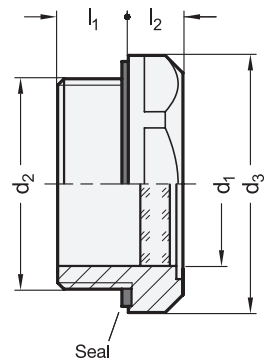
Sight Glasses

Stainless Steel, Metal-Fused





STAINLESS ★★★★

3 Type

A With reflector grooves

4 Identification no.

2 Seal FKM

3 Seal copper

1 d_1	2 d_2		d_3	l_1	l_2	s	max. operating pressure (safety factor 5) at -20 °C to 120 °C in bar
11	G ⅜	M 16 x 1,5	22	8	7,5	20	80
14	G ½	M 20 x 1,5	26	8,5	7,5	23	80
18	G ¾	M 26 x 1,5	32	9	8	30	80
24	G 1	M 33 x 1,5	40	11	8,5	36	80
32	G 1 ¼	M 42 x 1,5	50	12	9	46	40

Specification

Body
Stainless steel AISI 316L

Sight glass
Float-glass
- Metal-fused
- Shrink-fit

Contrast screen
Grooves melted into sight glass

Seal
- Fluorine rubber (FKM) for identification no. 2
  Operating temperature up to 180 °C
  (without pressure load)
- Copper for identification no. 3
  Operating temperature up to 300 °C
  (without pressure load)

RoHS

On request

- Seal made of
  acrylonitrile butadiene rubber (NBR)
- Seal made of
  ethylene propylene diene rubber (EPDM)

Technical Information	Page
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

Accessory

GN 7430 Mounting Nuts	QVX
GN 7490 Welding Sockets	QVX

Sight glasses GN 7440 are equipped with a sight glass that is metal-fused to the body by a thermal process. As a result the liquid glass adapts precisely to the contour of the body. During cooling, the different coefficients of linear expansion of the two joining partners generate strong mechanical initial stress between the glass and metal.
This initial stress makes the sight glasses 100% leakproof and particularly resistant to dynamic pressures and high temperatures when used with liquid and gaseous media. Moreover, the site glass offers a high level of safety, as potential damage is indicated in advance by small cracks without breakage of the glass. The seal is embedded in a radial recess, and thus cannot be lost or squeezed out during tightening.
The recommended operating pressures are non-binding values and rule out any liability. The user must determine from case to case whether a product is suitable for the intended use. Environmental factors can influence the specified values.

Assembly Instruction

For mounting on walls of less than 4 mm thickness please use mounting nuts GN 7430.

see also...	Page
GN 743 Oil Sight Glasses (Aluminum)	QVX
GN 743.2 Oil Sight Glasses (Brass)	QVX

How to order

1 2 3 4
GN 7440-18-G3/4-A-2

1	d_1
2	d_2
3	Type
4	Identification no.