



3 Type

- A** With contrast screen
- B** Without contrast screen

Metric table

Dimensions in: millimeters - inches

d ₁	d ₂ Male thread Conical	a Datum plane	d ₃ at a	d ₄ Female thread		e	l ₁	l ₂	l ₃ Usable thread length	s	p Thread pitch
				Cylindrical	Conical						
11 .43	R 3/8	6.4 .25	16.7 .66	Rp 3/8	-	22 .87	13 .51	6 .24	10.1 .40	19 .75	1.34 .05
11 .43	3/8 NPT	6.1 .24	17.1 .67	-	3/8 NPT	22 .87	15 .59	6 .24	-	19.1 .75	1.41 .06
14 .55	R 1/2	8.2 .32	21 .83	Rp 1/2	-	27.5 1.08	17 .67	7 .28	13.2 .52	24 .94	1.81 .07
14 .55	1/2 NPT	8.1 .32	21.2 .83	-	1/2 NPT	27.5 1.08	16 .63	7 .28	-	23.8 .94	1.81 .07
18 .71	R 3/4	9.5 .37	26.4 1.04	Rp 3/4	-	31 1.22	18 .71	8 .31	14.5 .57	27 1.06	1.81 .07
18 .71	3/4 NPT	8.6 .34	26.6 1.05	-	3/4 NPT	33 1.30	18 .71	8 .31	-	28.6 1.13	1.81 .07
24 .94	R 1	10.4 .41	33.2 1.31	Rp 1	-	40.5 1.59	21 .83	9 .35	16.8 .66	36 1.42	2.30 .09
24 .94	1 NPT	10.2 .40	33.7 1.33	-	1 NPT	41.5 1.63	22 .87	8 .31	-	34.9 1.37	2.21 .09
32 1.26	R 1 1/4	12.7 .50	42 1.65	Rp 1 1/4	-	53 2.09	24 .94	9 .35	19.1 .75	46 1.81	2.30 .09
32 1.26	1 1/4 NPT	10.7 .42	42.2 1.66	-	1 1/4 NPT	51.5 2.03	23 .91	9 .35	-	44.5 1.75	2.21 .09

Specification

- Sight glass body
Brass, CuZn40Pb2
- Reflector
Technopolymer plastic (Polysulfon)
- **GN 743.7**
 - Temperature resistant up to **212 °F (100 °C)**
 - Natural float sight glass
 - NBR rubber O-ring (Perbunan)
- **GN 743.8**
 - Temperature resistant up to **356 °F (180 °C)**
 - Natural ESG sight glass
 - FPM rubber O-ring (Viton®)
 - Identification by not black finish of the sealing ring
- RoHS compliant

On request

- EPDM O-rings

Information

The conical thread of GN 743.7 and GN 743.8 fluid level sight glasses makes a metallic seal possible. When the male thread is tightened, it wedges itself within the appropriate female thread.

At the reference level „a“, the male thread has the same thread diameter as the female thread, so that it can be fastened in by hand. The secure tightening by means of a tool increases the length of engagement and seals the screw connection. Additionally a sealant (fibrous or teflon band) is usually used. The thread is „roughened“, so that the sealant does not shift during fastening.

GN 743.7 fluid level sight glasses can be used on pressurized oil tanks.

see also...

- More characteristics of these fluid level sight glasses under GN 743.2 / GN 743.3

How to order (212 °F (100 °C))	1 Window glass d ₁
GN 743.7-18-3/4NPT-B	2 Thread d ₂
	3 Type

How to order (356 °F (180 °C))	1 Window glass d ₁
GN 743.8-24-R1-A	2 Thread d ₂
	3 Type