



3 Type

- A** With reflector
- B** Without reflector

1 2

d ₁	d ₂ External thread conical	a Datum plane	d ₃ at a	d ₄ Internal thread cylindrical conical	e	l ₁	l ₂	l ₃ Usable thread length	p Thread pitch	s
11	R 3/8	6,4	16,7	Rp 3/8	-	22	13	6	1,34	19
11	3/8 NPT	6,1	17,1	-	3/8 NPT	22	15	6	1,41	19,1
14	R 1/2	8,2	21	Rp 1/2	-	27,5	17	7	1,81	24
14	1/2 NPT	8,1	21,2	-	1/2 NPT	27,5	16	7	1,81	23,8
18	R 3/4	9,5	26,4	Rp 3/4	-	31	18	8	1,81	27
18	3/4 NPT	8,6	26,6	-	3/4 NPT	33	18	8	1,81	28,6
24	R 1	10,4	33,2	Rp 1	-	40,5	21	9	2,30	36
24	1 NPT	10,2	33,7	-	1 NPT	41,5	22	8	2,21	34,9
32	R 1 1/4	12,7	42	Rp 1 1/4	-	53	24	9	2,30	46
32	1 1/4 NPT	10,7	42,2	-	1 1/4 NPT	51,5	23	9	2,21	44,5

Specification

- Body
Brass
CuZn40Pb2
- Reflector
Technopolymer (Polysulfon)
- **GN 743.7**
 - Temperature resistant up to **100 °C**
 - Sight glass float glass
 - O-ring, rubber NBR (Perbunan®)
- **GN 743.8**
 - Temperature resistant up to **180 °C**
 - Sight glass security glass (ESG)
 - O-ring, rubber FPM (Viton®)
 - Identification by not black finish of the seal
- *Elastomer Characteristics* → Page 2158
- *Plastic Characteristics* → Page 2158
- RoHS

On request

- EPDM seals

Information

The conical thread (EN 10226) of the oil sight glasses GN 743.7 / GN 743.8 makes a metallic seal possible. When tightening the conical external thread R it blocks itself with the appropriate cylindrical internal thread Rp.

With the datum plane a the R-external thread has the same thread diameter as the Rp-internal thread, so that it can be screwed in by hand. The strong tightening by means of a tool increases the length of engagement and seals the screw connection. Additionally a sealant (hemp or teflon band) is usually used. The R-thread is „roughened“, so that the sealant does not shift when screwing in.

Oil sight glasses GN 743.7 / GN 743.8 can also be used on pressurised tanks. Tests regarding maximum pressure are available.

see also...

- *More Information of these Oil Sight Glasses under GN 743.2 / GN 743.3* → Page 1545

How to order (100 °C)	1 d ₁
GN 743.7-24-R1-A	2 d ₂
	3 Type

How to order (180 °C)	1 d ₁
GN 743.8-18-3/4NPT-B	2 d ₂
	3 Type