



**3 Type**

- A** with contrast screen
- B** without contrast screen

**1 2**

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

**Specification**

- Body  
Brass  
CuZn40Pb2
- Contrast screen  
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 ESG-glass  
- O-Ring rubber FPM (Viton®)  
Identification by not black finish of the sealing ring
- *Elastomer characteristics* → Page 1483
- *Plastic characteristics* → Page 1483
- **RoHS compliant**

**On request**

- EPDM O-rings

**Information**

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

With the datum plane a the R-male thread has the same thread diameter as the Rp-female 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.

see also...

- *More characteristics of these oil level sight glasses under GN 743.2 / GN 743.3* → Page 1097

**How to order (100 °C)**

**GN 743.7-24-R1-A**

- 1** d<sub>1</sub>
- 2** d<sub>2</sub>
- 3** Type

**How to order (180 °C)**

**GN 743.8-18-3/4NPT-B**

- 1** d<sub>1</sub>
- 2** d<sub>2</sub>
- 3** Type