



Serrated lock washer / Nut

l_1	b	d	l_2	l_3	l_4	l_5	l_6	l_7	$s \approx$ Max. wall thickness	
GN 654	GN 654.1									
-	76	33	M 10	20	42	113	17	18,5	33	12
127	127	33	M 12	20	71	164	28	18,5	33	10
176	176	33	M 12	20	120	213	28	18,5	33	10
254	254	33	M 12	20	198	291	28	18,5	33	10
381	381	33	M 12	20	325	418	28	18,5	33	10
508	508	33	M 12	20	452	545	28	18,5	33	10

Specification

- **GN 654**
Plastic tube
Crystal clear Polycarbonate (PC)
- Temperature resistant up to 100 °C
- Alcohol resistant
- Not solvent resistant
O-ring, rubber NBR (Perbunan®)
Set screw, steel, zinc plated
- **GN 654.1**
Glass tube
Borosilicate glass (Pyrex®)
- Temperature resistant up to 130 °C
- Highest mechanical and thermal resistance
O-ring, rubber FKM (Viton®)
Set screw, stainless steel AISI 303

Following information applies to both standards:

- U-rail
Aluminum, anodized, natural color
- End pieces, Technopolymer (Polyamide PA)
- Black, matte finish
- Temperature resistant up to 130 °C
- Cover
Plastic, crystal clear Polycarbonate (PC)
- RoHS

Information

Owing to the U-rail and the cover, oil level indicators GN 654 / GN 654.1 are extremely stable and are therefore suitable for great lengths. The fluid level can also be viewed from the side.

Oil level indicators GN 654.1 have a high chemical resistance and are also suitable for media containing or based on glycol.

For special requirements in terms of chemical resistance, pressure and temperature resistance, please contact us.

see also...

- [List of Oil Level Indicator Types](#) → Page 1562
- [Assembly Sets for Electrical Oil Level Control GN 654.2](#) → Page 1578

On request

- Other lengths l_1
- With temperature display
- With electrical temperature monitoring

How to order (Standard version)

GN 654-381 1 l_1

How to order (High chemical resistance)

GN 654.1-254 1 l_1



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Assembly instructions

The assembly of the oil level indicators GN 650 is very simple and economical. You need two drillings $\varnothing 10,5$ and/or $\varnothing 12,5$ mm in the distance l_1 in the container wall. The oil level indicator can also be installed directly i.e. without nut, if the container wall has a fitting thread.

All individual parts necessary for the assembly are provided: Hexagon nuts, O-rings and serrated lock washers for safe guard. For perfect sealing by the O-rings the screws should not be too strongly tightened (max. 12 Nm). Recommended roughness of the sealing surface $RA = 3 \mu\text{m}$.

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