



1	2	2	3							4
d₁	d₂	d₃	Length l	d₄	d₅	h₁	h₂	h₃	t	max. torque ±10% in Nm
47	M 6	M 6	30	9	39	44	15	0,3	12	1
47	M 8	M 8	40	12	39	44	15	0,3	12	1

Specification

- Plastic Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 80 °C
 - Black, matte finish
- Threaded stud Steel, blackened
- Bushing Steel, blackened
- Color of the cover cap Gray, RAL 7035
- *Plastic Characteristics* → Page 2158
- RoHS

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Information

Torque limiting knurled knobs / knob screws GN 5910 are used when the manually applied torque is to be limited. The torque limit can be set between 0.2 Nm and 1 Nm.

When turned clockwise, the torque mechanical system of the knurled knob triggers an „over-engagement“ as soon as the specified torque is reached. When tightening, this will ensure that the maximum permissible torque is not exceeded. When turned counterclockwise, the mechanism locks such that the torque necessary for releasing is transferred.

Endurance tests have shown that the torque does not change even after up to 60,000 tightening cycles.

see also...

- *Torque Limiting Knurled Knobs / Knob Screws GN 3663* → Page 652
- *Torque Limiting Triangular Knobs GN 5344* → Page 656
- *Torque Limiting Wing Nuts / Wing Screws GN 5320* → Page 657

How to order (Bushing)	1	d ₁
	2	d ₂
	4	max. torque
	5	Color
GN 5910-47-M6-1-SW		

How to order (Threaded stud)	1	d ₁
	2	d ₃
	3	Length l
	4	max. torque
	5	Color
GN 5910-47-M8-40-1-SW		

Adjustment of the torque	
<p>To adjust the torque, the cap of the torque limiting knob is removed to access the adjustment mechanism and to disengage the locking of the torque setting.</p>	
<p>The torque is set with the hexagon socket bolt in the center of the knob. The graduated dial moves in the axial direction, increasing or decreasing the torque limit.</p>	
<p>The set torque value is indicated on the graduated dial. Depending on the torque value, the slanted surfaces of the indicator window are level with the graduation marks of the graduated dial. After setting the torque, the cap must be reattached. This locks the torque setting and protects the adjusting mechanism from unauthorized access.</p>	<p>Example: set torque = 0.5 Nm</p> <p>The graduated dial is level with the indicator window</p>

1.1

1.2

1.3

1.4

2.1

2.2

2.3

2.4

