

Metric table

Dimensions in: millimeters - inches

<div>1</div> <div>d₁</div>	<div>2</div> <div>d₂</div>	<div>2</div> <div>d₃</div>	<div>3</div> <div>Length l</div>	<div>d₄</div>	<div>d₅</div>	<div>h₁</div>	<div>h₂</div>	<div>h₃</div>	<div>t</div>	<div>4</div> <div>Max. torque ±10% in Nm</div>
47 1.85	M 6	M 6	30 1.18	9 0.35	39 1.54	44 1.73	15 0.59	0.3 0.01	12 0.47	1
47 1.85	M 8	M 8	40 1.57	12 0.47	39 1.54	44 1.73	15 0.59	0.3 0.01	12 0.47	1

Specification

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- Knob body
Plastic
Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 176 °F (80 °C)
 - Black, matte finish
- Tapped insert / threaded stud
Steel, blackened finish
- Color of the cover cap
Gray, RAL 7035
- Plastic Characteristics → page 2135
- RoHS compliant

Information

EN 5910 torque limiting knurled knobs 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 mechanism of the knurled knob triggers an “over-engagement” as soon as the specified torque is reached. When tightening, this ensures that the maximum permissible torque is not exceeded. When turned counter-clockwise, the mechanism locks such that the torque necessary for release is transmitted properly.

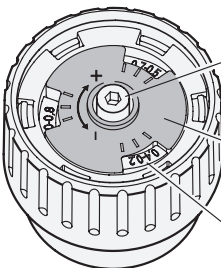
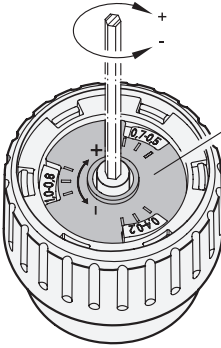
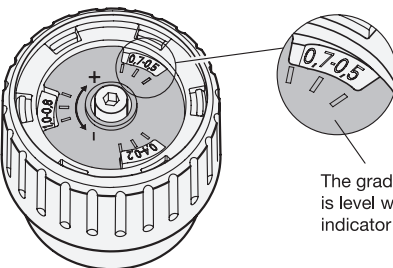
Endurance tests have shown that the torque does not change even after up to 60,000 tightening cycles.

see also...

- Torque Limiting Knurled Knobs GN 3663 → page 710
- Torque Limiting Triangular Knobs EN 5344 → page 714
- Torque Limiting Wing Nuts / Screws EN 5320 → page 715

How to order (Tapped insert)	1 Handle diameter d ₁
<div>1 2 4 5</div> EN 5910-47-M6-1-SW	2 Thread d ₂
	4 Max. torque
	5 Color

How to order (Threaded stud)	1 Handle diameter d ₁
<div>1 2 3 4 5</div> EN 5910-47-M8-40-1-SW	2 Thread d ₃
	3 Length l
	4 Max. torque
	5 Color

<p>Adjustment of the torque</p>	 <p>Hexagon socket head screw</p> <p>Graduated dials with graduation marks</p> <p>Indicator window</p>
<p>The torque is set with the hex socket head screw in the center of the knob. The graduated dial moves in the axial direction, increasing or decreasing the torque limit.</p>	 <p>The graduated dial moves axially during the adjustment.</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 cover cap has to be reattached. This locks the torque setting and protects the adjustment mechanism from unauthorized access.</p>	<p>Example: set torque = 0.5 Nm</p>  <p>The graduated dial is level with the indicator window</p>