

ELESA original design MZD

Metric table

Dimensions in: millimeters - inches

1	2	2	3							4
d ₁	d ₂ Thread	d ₃ Thread	Length l	d ₄	d ₅	h ₁	h ₂	h ₃	t	Max. torque ±10% in Nm
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

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

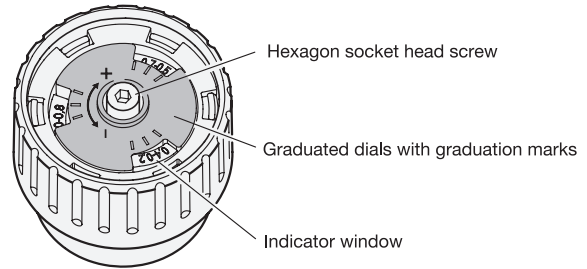
- Torque Limiting Knurled Knobs GN 3663
- Torque Limiting Triangular Knobs EN 5344
- Torque Limiting Wing Nuts / Screws EN 5320

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

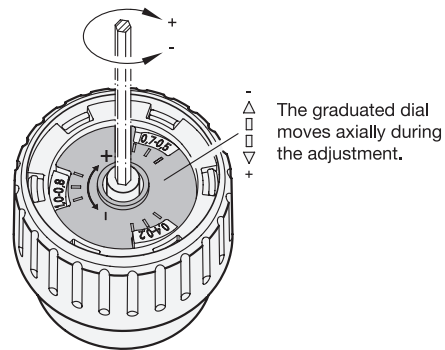
<p>How to order</p> <p>1 2 3 4 5</p> <p>EN 5910-47-M8-40-1-SW</p>	1	Handle diameter d ₁
	2	Thread d ₃
	3	Length l
	4	Max. torque
	5	Color

Adjustment of the torque

To adjust the torque, the cover cap of the torque limiting knurled knob is removed to access the adjustment mechanism and to disengage the locking of the torque setting.

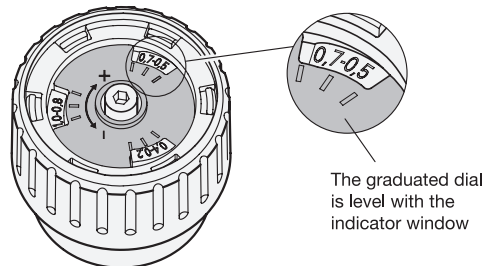


The torque is set with the hexagon socket head screw in the center of the knob. The graduated dial moves in the axial direction, increasing or decreasing the torque limit.



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.

Example: set torque = 0.5 Nm



1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

