

Press Release

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Accurate tightening and protected surfaces: a winning couple for torque limiting knobs and wing knobs

Elesa offers a series of **torque-limiting clamping elements**. Once the required torque value is reached, the integrated mechanism releases the knob from the clamping element. The torque transmission from the knob to the clamping element occurs by means of a spring system that prevents the set torque from being exceeded. When the established torque is exceeded, a “click” will be heard to indicate that maximum tightening has been achieved. By rotating counterclockwise, the knob unlocks.

Applicable torques: from 0.2 Nm to 6.0 Nm. The different **ergonomic shapes** proposed (fluted grip knobs, three-arm knobs and wing knobs) are the most suitable to **perfectly fit** the operator’s grip according to the application and the required tightening torque.

Severe laboratory tests show that the torque limiting mechanism is fully operational after thousands of cycles. The maximum applicable torque is shown on each product, engraved on the cap or lasered on the product.

Let's see in detail the four different solutions

- **MZD adjustable torque limiting knob** (ELESA Patent) in technopolymer, suitable for clamping at low torques - from 0.2 Nm to 1 Nm. To learn more about its features and functioning, watch the video on the Elesa YouTube channel.
- **VTD torque limiting knob** (ELESA Patent) in technopolymer, suitable for clamping at high torques - from 2 Nm to 6 Nm.
- **CTD torque limiting wing knob**, black or orange colour, suitable for clamping at medium torques - 2 Nm and 3 Nm.
- **GN 3663 fluted grip knob** in anodised aluminium and technopolymer cap, suitable for clamping on a wide range of torques - from 0.7 Nm to 5.5 Nm.

Product technical data sheets, along with drawings and tables with codes and dimensions are available on our website elesa.com.



MZD



VTD



CTD



GN 3663

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