

Torque inside the handle



To be protected from excess load or stress, torques for tightening clamping or thrust mechanisms must often be limited. Elesa+Ganter has for these cases newly developed the GN 3663 torque limiting knob which combines easy and convenient handling and many customising options.

When designing their standard elements, Elesa+Ganter has always been user-orientated and application optimised. One more recent example of this tight intermeshing with the requirements in practice is the new GN 3663 torque limiting knob. The name already hints at its special functionality: the handle is optionally fitted with an internal or external thread, but also with close-fit bore, and serves for quick clamping or for operating mechanical actuating elements. The integrated torque mechanism allows the manual torque transfer only up to a fixed torque maximum. Once this maximum is reached, the disk spring / engagement pin combination will “over-engage” and reliably prevent the non-permissible force transfer. In the opposite direction, the torque mechanism will lock, the undoing e.g. of a screw connection is therefore not subject to any force limitation and is possible at any time.

The standard element is available both with clockwise and anti-clockwise mechanism, with the diameters of the black oxidised knobs dimensioned to match the maximum torques which may be applied manually. Elesa+Ganter offers standard torque ratings ranging from 0.7 to 5.5 Nm. Other customised torques can also be realised in smaller unit quantities. When mounting the close-fit bore variants, one special advantage is the fact that torque component and output side can be separated. This sophisticated modular concept allows virtually any output side solution.

This standard element, designed for fixed installation, requires no constructive changes when retrofitted and, compared with a torque tool, is a great deal more practical and cost-effective. Long-term tests with over 10,000 operations have shown that no significant wear and tear will occur and that the rated torque will not change.

Find out more at www.elesa-ganter.com

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