

Holding Firm where it Matters: Standard Parts with Increased Clamping Force



In any situation requiring repeated fastening by manual screwing, speed and a secure hold are critical. That's why Elesa+Ganter has upgraded its proven hand knob nuts and adjustable hand levers with increased clamping force. Their clamping surface with ball bearing doubles the clamping force while protecting the surface from damage.

Numerous industrial and engineering applications require that parts and jigs be repeatedly slid over slots or repositioned using threaded holes. When a secure hold and quick clamping are priorities, Elesa+Ganter's hand knob nuts and adjustable hand levers with increased clamping force are the right choice. They all share a hardened clamping surface featuring a ball bearing and underlying base.

With typical screws and nuts, roughly half the tightening torque is lost to under-head friction. In this case, however, the torque is transmitted directly to the thread. This allows for the generation of high axial clamping force purely by hand, without tools, ensuring that parts are secured quickly and reliably. Because the clamping surface does not rotate along with the clamping motion, the clamped part remains almost completely unmarked, with no scratching or scoring.

The hand knob with increased clamping force GN 6335.9, made of black, impact-resistant plastic, guarantees ergonomic transmission of force from the user's hand to the underlying steel parts with the axial bearing and threaded bushing. It is available in four diameters, from 40 to 80 mm, with threads ranging from M6 to M12.

Adjustable hand levers with increased clamping force GN 300.4 are available with either internal or external threads. Internal serration allows users to always select the optimal gripping position. The lever handles, made of zinc die-cast, are either chrome-plated or powder-coated in five color variants. The axial bearing and other mechanical components beneath the lever are made of nitrided or blackened steel. For applications requiring corrosion protection, the identically designed GN 300.7 is the right choice, with lever, screw, and clamping elements all made of non-rusting stainless steel.

More information on Elesa+Ganter standard parts can be found in the internet at: elesa-ganter.com



ELESA+GANTER is a worldwide sales joint-venture set-up to offer the widest product range of standard machine elements for the mechanical industry. The combination of Elesa know-how in design and manufacturing of engineering plastics with Ganter expertise and precision in metal parts makes Elesa+Ganter a unique range. Today, the global distribution network reaches more than 70 countries. Over 100,000 standard parts are available from stock, ready for delivery.

Contact:

Axel Weber | +49 7723 65 07 22 6 | axel.weber@ganternorm.com
OTTO GANTER GmbH & Co. KG
 Triberger Straße 3 | 78120 Furtwangen | Germany
 +49 7723 65 07 0 | info@ganternorm.com | ganternorm.com
elesa-ganter.com

