

Press Release

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Pioneers in materials. Leaders in standards.

New knurled knobs in SUPER-Technopolymer: DT.464 and DT.653-AV

Elesa has expanded its range of standard components with two new knurled knobs – DT.464 and DT.653-AV – developed to offer a high-performance solution in terms of mechanical strength, ergonomics, and weight reduction.

Manufactured from SUPER-Technopolymer, a high-performance engineering plastic already widely used in Elesa products, these new knobs extend the existing range, which includes traditional DIN 464 and DIN 653 versions in steel and stainless steel. While maintaining the same dimensions as the metal versions, they offer the additional advantages of SUPER-Technopolymer, making them suitable for a wide variety of applications.

Available in black or grey to complement the appearance of the metal equipment they're intended for; the new knobs provide a blend of technical benefits to meet the demands of modern industry:

- Corrosion resistance, ideal for damp or aggressive environments
- Chemical and solvent compatibility
- Safe, long-lasting use even outdoors
- High mechanical strength, thanks to a reinforced structure and the properties of SUPER-Technopolymer
- Lightweight construction for improved system efficiency
- Electrical insulation

The range includes five versions to meet common mounting needs:

- Standard
- With hexagon socket for key tightening
- With spherical end
- With technopolymer thrust pad
- With screwdriver slot for tightening

The advantages of SUPER-Technopolymer

Elesa draws on in-house expertise and an advanced laboratory to develop next generation technopolymers, originally derived from sectors like automotive, aerospace, and electronics. These materials offer exceptional mechanical performance alongside thermal, chemical, and corrosion resistance, delivering a unique combination of strength, lightness, and durability.



DT.464 Knurled Knobs



DT.464-EH Knurled Knobs for screwing with a hexagonal key



DT.464-SB Knurled Knobs with spherical end

Press Box

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STANDARD MACHINE ELEMENTS WORLDWIDE



Ideal for applications requiring high performance and long service life, including machine tools, industrial automation, packaging, and food processing, SUPER-Technopolymer represents a step forward in industrial component design. Reinforced with glass or aramid fibres, it offers excellent resistance to tensile, compressive, and flexural stress, even at high temperatures or under thermal shock. Its chemical resistance makes it suitable for aggressive or demanding environments.

The material's low weight helps reduce the overall mass of machinery, improving energy efficiency and making installation and maintenance easier. Its smooth, non-porous surface and low friction coefficient minimise wear and eliminate the need for lubrication. It also provides valuable electrical insulation and allows for more efficient production thanks to reduced machining time and cost.

To get the most from the material, Elesa optimises the design of each component – carefully balancing geometry and wall thickness to ensure lightness and strength without compromising reliability.

An expanding, innovative range

The new DT.464 and knobs are the latest additions to Elesa's growing product range. For over 80 years, Elesa has focused on developing technical solutions that combine quality, reliability, and performance with ease of use – all part of a full-service approach aimed at enhancing the customer experience.



DT.464-SV Knurled Knobs with locking thrust pad



DT.653-AV Knurled Knobs for screwing with a screwdriver

1941 – 2025

Serving industry for over 80 years

Elesa designs and produces the widest range of standard components for industrial machines and equipment: handwheels, clamping handles and levers, adjustable levers, clamping elements, knobs, position indicators, indexing and spring plungers, levelling feet, hinges, tubes connectors, latches, accessories for hydraulic systems, modular roller tracks, castors and wheels, magnets, vibration mounts and vacuum components. Made with the most advanced technopolymers and metals, highly efficient and reliable, ergonomic and innovative design, Elesa brand products are used in the most diverse areas of application in the sector of industrial mechanics. The constant commitment to R&D is combined with a strongly customer-centric service. Founded in 1941 with headquarters in Monza and 15 subsidiaries abroad, Elesa exports its products to more than 60 countries worldwide.

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