

# Press Release

24/01/2024

## Elesa introduces the awarded TCC system: strength, durability, and versatility in tubular clamp connectors

Elesa, the world's leading provider of standard components for the mechanical industry, is proud to present its award-winning range of connecting clamps for tubes. The TCC System, honoured with the 2024 German Design Award "Winner" distinction in the Excellent Product Design category, combines strength, durability, and versatility for a multitude of industrial applications.

Engineered with simplicity and robustness, Elesa's tubular clamp connectors easily affix to tubes, creating stable structures from metal leg attachment to tabletops, steel tubing and pipes, as well as fencing systems and workshop furniture. Constructed from glass fibre-reinforced polyamide based technopolymer and fitted with stainless steel screws and nuts, these connectors resist high temperatures and corrosion while reducing weight.

User-friendly design features include easy cleaning, smooth surfaces, and free of sharp corners. The connectors ensure dimensional accuracy, top-tier manufacturing, and guaranteed resistance to tube pull out and tube rotation (resistance values measured during laboratory tests at ambient temperature with the screws tightened to the suggested torque).

Choose from a variety of configurations such as two-way, with mounting base plate, T-shaped, straight sleeve, and hinged joints connectors. They can be secured with standard clamping kits for convenient and frequent adjustments, negating the need for extra tools.

Elesa's TCC System connectors are available in matte black or grey, complementing the natural colour of aluminium and come in two sizes for diverse needs (Ø 18 or 30 mm). Hole reduction sleeves are sold as accessories for other diameters. In addition, Elesa now offers a selection of connecting clamps for tubes in Visually Detectable "Signal blue" RAL 5005 technopolymer (material suitable for contact with food FDA CFR.21 and EU 10/2011) for contact with food and easily detectable to the human eye. This feature significantly enhances safety in food production processes, complying fully with international regulations.



ELESA Visually Detectable connecting clamps

## Press Box

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Beyond tube clamp connectors in technopolymer, ELESa provides an alternative range of tube clamps in aluminium, steel, and stainless steel for square or round tubes. Committed to meeting and exceeding customer needs, Elesa also offers accompanying accessories such as monitor mounts, compliant with the VESA standard, which can be easily fastened to their tube clamp connectors. This solution offers flexibility and adjustment options for touch screens, panels, displays, or monitors on production machines.

Tubes in aluminium or stainless steel, tube endcaps, tube plugs, expanders, and protection covers ensuring an aesthetic match to any workplace surroundings complete the range.



*ELESa stainless steel and aluminium connecting clamps*

1941 – 2024

*80 years at the service of the industry*

*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 14 subsidiaries abroad, Elesa exports its products to more than 60 countries worldwide.*

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