

Perfect Latching



Wherever something needs to be adjusted, you will often find locking joints at work with serrations that define specific angle positions. To ensure that the right locking joint is available for every application, Elesa+Ganter offers all components in a wide range of variations.

Serrated locking plates, thrust springs and guide pots form the basis for the Elesa+Ganter locking joints, which can be assembled into entirely individual configurations. The core of these joints are always the locking plates with their precisely aligned serrations as well as their adjustment based on positive and non-positive connections. Alongside the exact serration shape, the division of the teeth is also very important. Elesa+Ganter relies on typical tooth configurations, which allow important and specific adjustments in incremental steps of 6, 7.5, 10 and 15 degrees. But that isn't the only way Elesa+Ganter differentiates itself from competitors: the fastening of the locking plates is also clearly oriented around the serration position. This combination lays the foundation for clearly defined adjustments.

Elesa+Ganter also stands out by using high-quality materials: in addition to hardened sintered steel, sintered stainless steel and precision cast stainless steel in A2 quality, Elesa+Ganter has added RDB, a 60-tooth locking plate of glass fiber-reinforced SUPER-Technopolymer, to its product range. Even more materials will be added soon. The locking plates offer very short disengaging paths and have zero backlash after retightening. They are also self-centering and produce exceptionally strong joints.

For heavy duty applications, try the stainless steel serrated locking plates GN 188 for welding, available in sizes up to 80 millimeters in diameter. Tensioning pins oriented around the serration simplify the pre-positioning and make special assembly jigs obsolete. The threaded bushings and centering strip can be easily added to the order using the form.

The locking plates GN 187.5 of precision cast stainless steel are available with threaded stud connection, fastening flange or a plate for welding. Together with the locking joint sets GN 187.6, the stainless steel locking plates can be combined to create locking joints that can be locked with a hex key or even tool-free using an adjustable hand lever with or without eccentric cam. Elesa+Ganter's systematic approach to create variations can be seen in the fact that the locking plates GN 187.5 are compatible with the locking plates GN 187.4. This allows even unusual joint assemblies to be realized.

When combining two locking plates GN 187.4, the previously mentioned guide pots ensure that the positive connection is retained even when the joints are loosened, which protects the serrations from wearing. In other words, the guide pots are also important elements, which is why Elesa+Ganter is already working on new variations of these, including sealed models.

More information on Elesa+Ganter standard parts can be found in the internet at: [elesa-ganter.com](https://www.elesa-ganter.com)

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