

The REGO-FIX® intRlox® Mini Nut

The work areas of Swiss-style machines, especially smaller size models, offer limited room for operators to change out worn or broken tools. Packed with numerous tools, space between each toolholder in a gang-style setup on these machines can measure only 2". So, any slip with an ER collet nut wrench can potentially damage neighboring tools and, far more serious, cause operator injury.

ER collet toolholder nuts for Swiss-style machines typically lack any type of locking design, so wrench slippage is common. The REGO-FIX AX-style nuts, on the other hand, incorporated a raised-tooth pattern on their end faces. This pattern engaged with the wrench and helped prevent slippage.

As a natural progression of its AX style, REGO-FIX developed its new intRlox Mini Nuts that guarantee wrenches, once properly engaged, will not slip off the nuts. These smaller size ER collet nuts feature a patented anti-slip design that uses rounded locking grooves situated around the nut profiles as opposed to end face surfaces. Wrenches grip from the sides of the nuts, and the action of tightening or loosening temporarily locks wrenches in place.

The intRlox Mini Nuts lack any type of raised or protruding teeth, so their profiles are slim and compact, a further benefit in the extremely tight areas within a Swiss-style machine. Without these raised portions, the new mini nuts also retain more of their material for added strength.

Also, an extension tube accessory is available for the new nut. The extension tube has the same profile as the mini nut wrench at one end and the new anti-slip profile at the other end. With the extension, operators gain a deeper reach between tooling and additional room for the wrench because it's further away from the cutting tools. Plus, the extension provides room for using a ratchet-type wrench as well as torque wrenches to ensure proper nut tightening.

The intRlox fine-thread nuts are available for ER collet sizes 8, 11, 16, 20 and 25. A special surface treatment gives them added strength, higher clamping force capability and corrosion resistance. And for coolant, the nuts work with REGO-FIX sealing disks or coolant flush disks for coolant pressure up to 150 bar.

REGO-FIX®

As with all REGO-FIX collet nuts, the new intRlox Mini Nuts incorporate the company's special Collet Locking System. Collets push into the nut and click into place. The collet and nut assembly then screws into the toolholder, ensuring easy and precise positioning.

Product features

- Secure, form-fitting engagement of the clamping wrench profile with the clamping nut
- Fits all ERM collet holders with fine threads
- For ER collets in accordance with DIN 6499/ISO 15488 (REGO-FIX ER Standard and ER-UP), with micro-bore (ER-MB), metallic sealed type collets (ER-DM), tapping collets (ER-GB and ER-ET 1)
- Special surface treatment for higher clamping force
- Corrosion resistant surface

Benefits

- Prevent operator injury
- Reliable, easy clamping in tight spaces
- Existing ER collects can still be used
- Suitable for REGO-FIX sealing disks (DS/ER) and coolant flush disks (KS/ER)
- Convenient engagement of the collet with the clamping nut thanks to the REGO-FIX Collet Locking System



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