



EziTite® Hydraulic Clamp Nut

EziTite® Hydraulic Clamp Nuts are the modern, safe and efficient way to ensure precise tool clamping. EziTite® Hydraulic Clamp Nuts replace conventional torque-loaded threaded nuts to make shaft tensioning a simple, efficient and safe hydraulically assisted operation. They are also widely used to set large shaft bearings.

They are manufactured in a wide range of sizes to suit applications throughout many industries. EziTite® Hydraulic Clamp Nuts are made in a standard range to suit thread sizes from 50mm to 300mm and other sizes by request.



Features

- Vastly reduces downtime and maintenance problems.
- Improves productivity.
- Is user friendly, fast and easy to fit.
- Greatly enhances tool life.
- Repeatable accuracy of the tensioning operation reduces product variation.
- Achieves faster throughput without compromising product quality.
- Minimises risk of personal injury and collateral damage to capital equipment during blade and tool changes.
- Threaded locking collar counteracts loosening forces of impact on rotating shafts.

Operation

The EziTite® assembly is screwed by hand onto the bolt until the base is tight against the working face. Hydraulic pressure is then applied through the nipple fitting on top of the nut body into the sealed chamber, forcing the piston and the nut body apart, thus stretching and tensioning the bolt through the joint.

The threaded locking collar, mounted on the nut body, is then screwed against the abutting face to retain the induced load tension in the bolt. The pressure is then simply released and the hydraulic coupling removed from the nipple fitting, to complete the operation.

Currently used in: Applications (examples):

- Steel Mills
- Steel Recyclers
- Manufacturing Plants
- Construction / Heavy Industry
- Marine Industry
- Sugar Mills
- Metal slitting mills
- Coil Rewinders
- Marine propeller shafts
- Sugar milling equipment
- Manufacturing machinery such as punches and presses
- Steel rolling mills
- Bearing setting and removal

Suitable for:

The EziTite® Hydraulic Clamp Nut is suitable for use where:

- Accurate and reliable loading is required on bolting.
- Vibrational or torsional stresses are a problem.
- Regular maintenance requires repeated adjustment or removal of nuts.
- There are confined and difficult nut locations.



If required, the EziTite® Hydraulic Clamp Nut can be manufactured with a sacrificial ring. Therefore, if for some reason the nut becomes locked on to the application— you simply remove the sacrificial ring and the nut will release.



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This product is covered by numerous patents worldwide

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precision engineered solutions

