

# EXACTO TORQUE™

A large number of rod and nut failures are the result of inaccurate pre-stress. ExactoTorque™ is the ACI patented solution to address this issue.

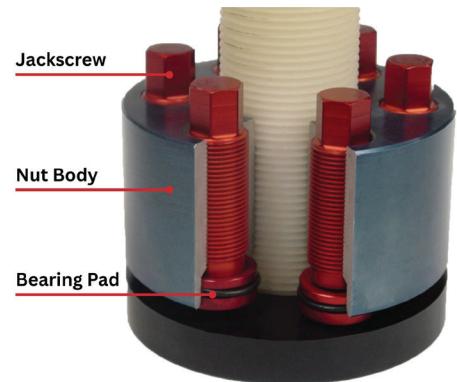
## THE COMPRESSOR CHALLENGE - ACHIEVING PROPER TORQUE

- › Most piston rods a pre-stress torque of 30,000 psi.
  - Conventional methods generally utilize a large hex nut which is difficult to tighten.
  - Proper installation of the hex nut requires unwieldy & sometimes hazardous application tools.
  - Improper assembly loads are common.
- › Galling between the nut face & crosshead face is very common as the two surfaces turn against one another.
  - Galling can lead to subsequent loss of crosshead face squareness, resulting in excessive rod bending.
  - Consequential effects can lead to rod failures, packing leakage and wear, cylinder bore & piston scuffing, and loss of crosshead tightness.



## THE ACI SOLUTION - EXACTO TORQUE™

- › How it Works
  - Jackscrews are threaded through a nut body and seated on individual bearing pads.
  - Each pad has a spherical surface that allows proper alignment with the jackscrew.
  - Proper preload is accurately achieved through the combined applied torque load of each jackscrew.
- › Improved Rod Stretch
  - Rod stretch is enhanced by the counter-bore at the mating surface end of the nut.
- › Pre-stress without Rotation
  - Rotation of the hex nut contributes to nut and rod damage due to galling.
  - The Exacto Torque™ achieves proper torque without rotation.
- › Ease of Installation
  - ExactoTorque™ simply spins onto the rod.
  - Jackscrews are torqued to predetermined load using standard torque wrenches.
- › Proven in the Field
  - ExactoTorque™ has been field proven for over 25 years.
  - ExactoTorque™ is effectively used with foundation bolts and coupling bolts.



LEGENDS DON'T STOP. WE MAKE SURE OF IT.™

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