



Step Nuts

SERIES 024 and 026
SINGLE and DOUBLE ACTING

Custom-designed, oil-activated, high clamp force, pre-tensioning devices.

Series 024 – Single Acting

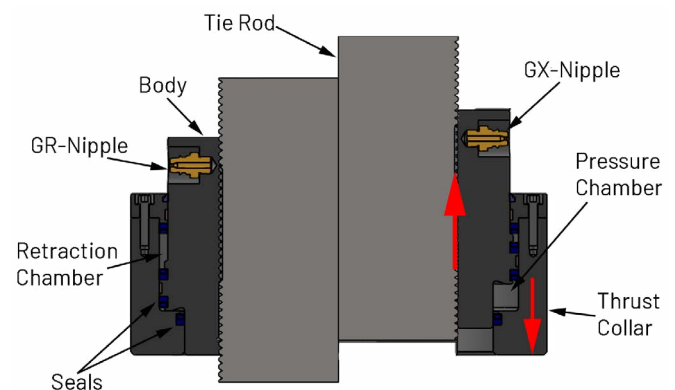
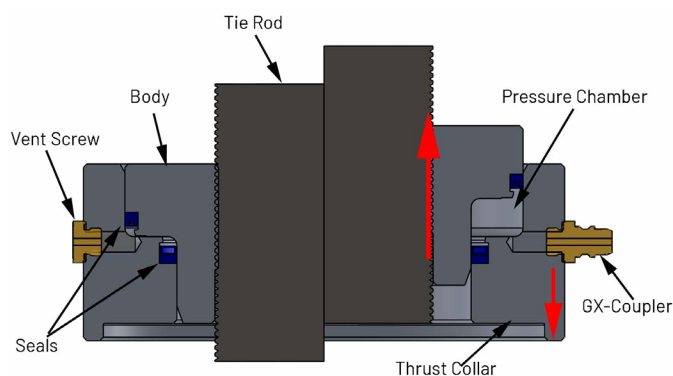
The Amtec Hydraclamp Step Nut provides accurately controlled pre-tensioning service for tie-rods, shafts and arbors in rolling mills, pinion stands, hearing equipment and presses. Compact, highly efficient and single-acting, Amtec Step Nuts can be hard piped or plumbed through quick disconnect GX-Nipple and Coupler connections. For short periods of up to three weeks, internal pressures will be reliably constant. Pressure monitoring systems, such as our Series 550 Transponder (page 82) can be added where longer in-service periods are required.

The below cross-sectional drawing shows the left side in a depressurized state while the right side is in a pressurized state

Series 026 – Double Acting

The double acting Amtec Hydraclamp Step Nut provides a custom-designed pressure chamber to exceed any pre-tensioning requirement, as well as a low pressure retraction chamber for easy reset. Amtec GX-Nipple and Coupler arrangement or hard piping connections with oil pumping systems can be designed to meet specific operating requirements for pressurizing, depressurizing and monitoring oil pressures. A dual acting oil pumping system is required to operate the Series 026 double acting Amtec Step Nut.

The below cross-sectional drawing shows the left side in a depressurized state while the right side is in a pressurized state. Pumping low pressure oil into the retraction chamber will return the thrust collar to the home position as shown on the left side of the drawing.





FEATURES:

- Standard black oxide finish for 120°C max. (250°F)
- Alloy tool steel body parts
- Stainless steel, electroless nickel or chromium plating for optional corrosion resistance
- Clean, efficient handpump operated or with hydraulic power unit

