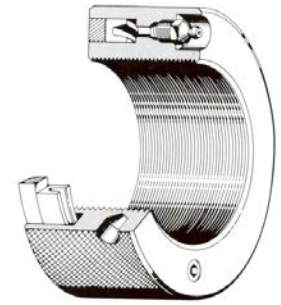


# Amtec Advantage



## Clamping Advantage

- Up to 500% more clamping force compared to mechanical nuts
- Larger thrust rings, alloy steel components, and heavy duty “U”-cup seals provide superior clamping force in comparison to any competitive hydraulic nut supplier
- Self aligning thrust ring ensures uniform 360° contact with mating tooling
- Adjustable pressure Amtec pump provides controllable clamping force for F & GX-Type Nuts
- Threaded to suit existing international standard specifications

## Reliability & Durability

- 300% longer service life with alloy steel nut bodies, precision thrust rings and dual hardness seals
- Sealing system allows up to 3 weeks “in-service” time without significant pressure drop
- “Leak proof” F-Nipples (for grease) and GX-Nipples (for oil) provide alloy steel bodies and check valves to ensure positive pressure retention
- Precision Actuator Piston assemblies ensure positive pressure output for K-Type Nuts
- Thread wear is no longer a problem with proper thread matching
- Bearing damage from hammering mechanical nuts is eliminated
- Black-oxide finish prevents oxidation on steel nut bodies

## Safety

- Amtec nuts are safety-engineered to meet operating requirements
- Hammers and wrenches are not required; only an L-type hex wrench, small assist bar and portable pump
- Choice of peripheral or end face access for operator convenience
- F-Nipples, GX-Nipples and Actuator Pistons are fully recessed for protection against physical or mechanical damage
- Knurled outside diameter for better grip
- Aluminum nut bodies offer 60% weight reduction vs. steel in F-Type Nuts

## Custom Engineering

- Custom designed devices with integrated pressure control systems and quick disconnect fittings are available
- Safe, convenient and durable, Amtec pressure control systems have been custom engineered for grease or oil at pressures up to 700 bar (10,150 psi)
- Special seals can be installed for high temperature use
- Extra corrosion resistance through use of electroless nickel, chrome plating or stainless steel