KEYLESS LOCKING DEVICES

INTERNAL LOCKING DEVICES

COMPRESSION HUBS

SHRINK DISCS

WK SHAFT COUPLINGS

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Internal Locking Devices are installed between the shaft and the mounted component. When the screws are tightened, the tapered rings create an interference fit that hold the components together.

- **Infinite radial and axial adjustment**
- **Easy installation and removal**
- **Exceptional concentricity**
- **Ability to transmit bending loads**
- **No axial movement during installation**
- **Extremely concentric and well-balanced mechanical interference fit**

### New! B-LOC Speed

B-LOC Speed is a new series of keyless locking devices engineered to reduce installation time while maintaining performance.

- **Reduce installation time by up to 60%**
- **Same physical performance as a standard keyless locking device**
- **Available in three series: S106, S112, S115**
- **Shaft sizes 4 15/16"-8", 130mm-300mm**
Compression Hubs

The mounted component is held between the two halves of the B-LOC Compression Hub by axial force while the tapered rings create an interference fit with the shaft.

- No Hub required
- Ideal for mounting thin components
- Ability to transmit high torques
- True zero-backlash
- Simple installation, adjustment and removal – less equipment downtime
- Complete axial and radial adjustability
- Extremely concentric and well-balanced mechanical interference fit
- No axial movement during installation

Shrink Discs

Shrink Discs are external locking devices that are installed on the outside diameter of a hollow hub or flange that is mounted on a shaft. When the screws are tightened an interference fit is created by closing the gap between the hub and the shaft.

- External locking device
- Provides extremely concentric and well-balanced mechanical interference fit
- Offered in Standard, Light, and Heavy Duty series
- Simple installation, adjustment and removal
- Also available in Split, Half and Single Taper designs

WK Shaft Couplings

WK Couplings are used to connect two shafts together. When the screws are tightened the coupling generates an interference fit on the end of each shaft.

- Rigid shaft coupling
- External locking device
- Transmits high torque and bending moments using the same principles as the Shrink Disc
- Self-releasing tapers for easy removal
- Allows coupling of different shaft sizes

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Looking for faster installation with smaller shaft sizes?

Trantorque® Keyless Bushings

From gears to cams, timing belt sprockets to conveyor rolls, climate control fan hubs to grinding wheels, the extensive range of Trantorque Keyless Bushings — all with a single locking nut — offers easy to use options for mounting and adjusting position sensitive, zero backlash drive components and accessories.

Take advantage of the unique added value benefits of Trantorque Keyless Bushings…

- Single locking nut design permits quick mounting and precise axial and radial positioning of components
- Component repositioning is achieved by loosening/retightening only one nut
- “Easy On — Easy Off” — patented design functionality ensures units will not freeze on shafts
- Mechanical shrink fit resists shock loads and torque reversals — ideal for zero backlash connections
- Eliminates all key wallowing and fretting corrosion issues associated with keyways and set screws
- No special component machining required — simply straight bore the component to a very liberal tolerance

Standard Trantorque units can also be supplied as follows:

- **Electroless Nickel Plated Steel (EN)** for corrosion protection in washdown and hostile environments
- **Thin Dense Chrome (TDC) Coated Steel** for excellent corrosion protection without decreased torque transmission performance.
- **Stainless Steel** for ultimate corrosion protection in washdown and hostile environments


Count on Fenner Drives. We’ve got the right product for your application.

With over 100 years of manufacturing, technical and commercial expertise, Fenner Drives is a global leader in value-adding, problem-solving products for conveying and power transmission applications. Recognized widely for our expertise and innovation, we blend reliability, quality and value in our products while providing unsurpassed technical support and service.

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