

Universal Joint for Torque Transmission

This universal joint transmits torque and rotational motion between two shafts that are not aligned on the same axis. The U-joint allows for angular misalignment between the shafts while maintaining constant velocity transmission.



Product Overview

Universal Joint for Torque Transmission

This high-performance universal joint is engineered for reliable torque and rotational motion transmission between shafts that are not perfectly aligned. Utilizing a robust cross-shaped spider design, it excels in applications requiring angular flexibility such as automotive drivelines and steering systems. Built-in grease fittings ensure consistent lubrication, which promotes smooth operation and significantly extends the component's operational lifespan.

Technical Specifications

Maintenance

- Integrated grease fittings
- Lubrication-ready design

Common Designations

U-joint, Cardan joint, Hardy Spicer joint

Performance Metrics

Operational Capability

Angular misalignment compensation • Constant velocity transmission

Primary Function

Torque and rotational motion transmission between non-aligned shafts