

MERITOR® US170X AND US250X PRODUCT INFORMATION



Exclusive Dual-Plane Retainer

A revolutionary dual-plane retainer provides an anti-rotation bearing cup interlock while maintaining the structural integrity and precision lock-up of the universal joint. An additional benefit is the reduced-press bearing cups that facilitate easier installation. Both features translate to reduced maintenance time and costs.

Easy Installation

The recessed "flat" on the bearing cups must be positioned in-line (parallel) with the retaining bolt holes in the ear of the yoke. This alignment is necessary to properly position the retainer. A retainer is designed to serve as a self-alignment "tool" when installing the universal joint into the yoke. As with all premium universal joints, the use of an arbor press or vise is the preferred installation method.



Design Features and Benefits

Description	Features	Benefits
High performance seal system	2-piece seal system Internal seal and dust cap	Reduced maintenance Lower operating cost Extended lubrication cycle
Extra life flat-end needle bearings	Increased contact and bearing surface	Improved load carrying capacity
Dual plane retainer	Exclusive design	Provides precision lock-up Prevents bearing cup rotation
Precise lock-up	Precision ground journal length, bearing cup and retainer interface	Provides zero end play installation reducing driveline NVH (noise, vibration, harshness)

Bolt Torque Specifications: 8 mm-6 point bolts 35-40 Nm/20-25 lb-ft.

Bearing Strap Bolt Torque Specifications: 12 mm-12 point bolts 135-160 Nm/100-120 lb-ft.