

**MERITOR®
ALLFIT DUAL-PLANE
RETAINER SYSTEM
HD UNI JOINT**



MERITOR

 **IDEAS DRIVING RESULTS**



ALLFIT

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.

ADVANTAGES

- 1 Dual-plane retainer system centres u-joint in driveshaft yoke
- 2 Eliminates the need for special centring tools
- 3 Benchmark performance at an affordable price
- 4 Reduced press bearing cups allows easier installation and reduces labour costs
- 5 Ease-of-service in the field eliminates potential costly towing bill

FEATURES AND BENEFITS

- Two-piece seal system/internal seal and dust cap, reduces maintenance, lowers operating costs and extends lubrication cycle
- Increased contact and bearing surface improves load carrying capacity
- Exclusive design provides precision lock-up and helps prevent bearing cup rotation
- Precision ground journal length, bearing cup and retainer interface provides zero end-play installation reducing driveline NVH (noise, vibration, harshness)

TORQUE SPECIFICATIONS

Bolt Torque Specifications:

8mm – 6 point bolts
35-40Nm / 20-25 ft. lbs.

Bearing Strap Bolt Torque Specifications:

12mm – 12 point bolts
135-160Nm / 100-120 ft. lbs.

PART NUMBERS

MERITOR PART NUMBER	HARDWARE KIT	WORKS WITH DANA® DRIVELINE SERIES
US170X	Kit US250-170X	SPL* 170
US250X	Kit US250-170X	SPL* 250

Attaching hardware is for use with these construction u-joints only and is not interchangeable with OEM retention hardware or u-joint.

PART NUMBER INTERCHANGE

MERITOR PART NUMBER	FREIGHTLINER	MACK	NAVISTAR	VOLVO	DRIVELINE SERIES
US170X	SP SPL* 170X	2104 SPL* 170X	2500678C91	3947697	SPL* 170
US250X	SP SPL* 250X	2104 SPL* 250X	2500680C91	3947698	SPL* 250

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1. Exclusive PlateLock System
2. Dual-Plane Retainer
3. High Performance Sealing System
4. Thrust Washer w/360° Lubrication System
5. Extra Life Flattened Needle Bearings



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