

# Neapco PlateLock™ Universal Joints



*Easy Installation!*

Neapco's NPL170 and NPL250 Series universal joints feature an exclusively designed **slip fit** PlateLock™ dual-plane retainer system that centers the universal joint in the mating driveshaft yoke eliminating the need for any special tools.

The integration of the slip fit and the PlateLock™ retainer system optimizes performance and product life while providing the ability to service the universal joint on the road.



## *Neapco PlateLock Features & Benefits*

DESCRIPTION	FEATURES	BENEFITS
<b>Ease of installation</b>	<i>PlateLock Design</i>	<i>No special tools required</i>
<b>High performance seal system</b>	<i>Two-piece seal system Internal seal and dust cap</i>	<i>Reduced maintenance Lower operating costs Extended lubrication cycle</i>
<b>Extra life flat-end needle bearings</b>	<i>Increased contact and bearing surface</i>	<i>Improved load carrying capacity</i>
<b>Dual plane retainer</b>	<i>Exclusive design</i>	<i>Provides precision lock-up Prevents bearing cup rotation</i>
<b>Precise lock-up</b>	<i>Precision ground journal length, bearing cup, and retainer interface</i>	<i>Provides zero end play installation reducing drive-line NVH (noise, vibration, harshness)</i>

# Neapco PlateLock™ Universal Joints

Part No.

**6-1170 & 6-1250**

## Product Features

- 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
- 6 Patch Lock Retaining Bolts
- 7 Lubrication Fitting
- 8 Extra Large Lubrication Reservoir





## *Easy Installation*

This exclusive **slip fit** PlateLock design allows installation without a press or any special installation tools. The recessed flat on Neapco's PlateLock™ 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. Neapco's retainer is designed to serve as a self-alignment "tool" when installing the universal joint into the yoke.



## *Exclusive Dual-Plane Retainer*

Neapco's 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 **slip fit** bearing cups that facilitate easier installation. Both of these features translate to reduced maintenance time and costs.



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DL Series	Bearing Diameter	Lock-Up Yoke	Bearing Type	Lube Fitting	Part Number
SPL*170	2.165	6.024	Round-W/Plate Lock	1 Cross	6-1170
	2.165	6.457	Round		
SPL*250	2.361	5.984	Round-W/Plate Lock	1 Cross	6-1250
	2.361	6.413	Round		

\* SPL - Spicer® Life Series driveshafts is a registered trademark of Dana Limited.

# PlateLock™ Universal Joint Hardware Kit



U-Joint Part Number	Hardware Part Number	Part Type	Description
6-1170	1-0070	Hardware Kit	Hardware kit consists of: [4] 8mm-6 point bolts [2] Neapco design retainers [4] 12mm-12point bolts for bearing strap attachment.
6-1250			
6-1170	N170-70-08X	Strap Kit	Half-Round Bearing Strap Kit
6-1250	N250-70-08X	Strap Kit	Half-Round Bearing Strap Kit

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