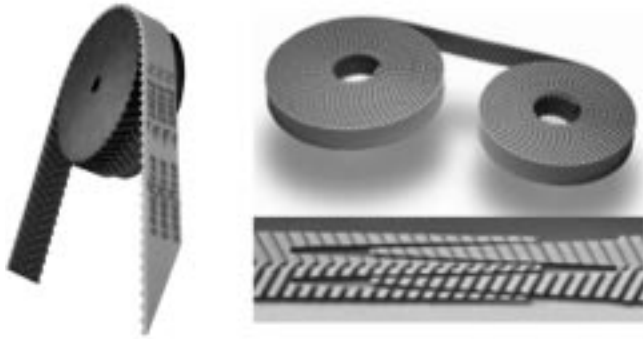




# EAGLE PD™ ACCULINEAR®

SYNCHRONOUS



Part No: Y-8-PU-16-STD

|             |  |
|-------------|--|
| Y           | Alphabetical designation denotes belt width<br>(Y=16 mm wide belt) |
| 8           | 800 mm belt length   |
| PU          | Polyurethane   |
| 16          | Belt width (16 mm)   |
| STD         | Standard construction  |
| Belt Length | 800 mm   |
| Belt Type   | Open-end (or Spliced)  |

## APPLICATIONS

Eagle Pd Acculinear belts can be used in open-end or spliced configurations in a variety of applications.

Typical applications for the open-end configuration are in linear motion devices and other drives where precise motion is required.

Typical application for the spliced configuration are in light conveyors and other material processing and transfer industries.

## KEY FEATURES & BENEFITS

- Polyurethane material resists flaking, has higher dimensional stability and superior wear & abrasion resistance.
- Self-tracking and compact drives.
- Less vibration and reduced noise.
- High flexibility.
- High Precision linear positioning.

## THE BENEFITS OF EAGLE PD... NOW IN POLYURETHANE MATERIAL

Eagle Pd Acculinear combines the advantages of polyurethane with the unique H.O.T. (Helical Offset Tooth) geometry for a low-maintenance belt that resists wear. Polyurethane belts resist flaking, offer high resistance to oils, fats and greases, and are more abrasion-resistant than rubber products. With high flexibility and long life, Eagle Pd Acculinear is a revolutionary choice for a wide range of applications.

### COMPACT DRIVES

When it comes to performance, Eagle Pd Acculinear belts and sprockets are right on track. The key to success lies in the system's patented H.O.T. geometry. With this self-tracking configuration, the sprocket's left and right helixes guide the thermoplastic polyurethane belt to the center of the Eagle Pd sprocket. And there it remains: no waste, no wander, just improved efficiency and wear resistance in a compact design.

### SELF-TRACKING SPROCKET

The H.O.T. geometry eliminates belt wander and the need for flanges. As a result, Eagle Pd sprockets can be used on slider bed applications where flanges would normally protrude above the bed surface.

### LOW VIBRATION

Eagle Pd and the H.O.T. design minimize belt vibration on flat pulleys used on the entry and exit of slider beds. The belt moves progressively over straight edges, reducing noise and vibration.

The tooth geometry eliminates the chordal effect that occurs around the tooth sprocket and reduces drive vibration.

## H.O.T. GEOMETRY DELIVERS QUIETER DRIVE

This innovative polyurethane belt and sprocket system uses proprietary Goodyear technology to deliver noise levels far below the industry standard. The unique design of Eagle Pd belts and sprockets is the reason for the system's superior noise reduction. The self-tracking belt is guided to the center of the sprocket—delivery that smooths out tooth engagement unlike any other tooth geometry.

## BELT CONSTRUCTIONS ENGINEERED FOR EXCELLENCE

The tooth and backing material are made of thermoplastic polyurethane, which provides superior wear and abrasion resistance. It's an ideal choice in applications where cleanliness is critical. The precise manufacturing process, coupled with the polyurethane belt material, ensures a reliable and dimensionally stable product.

The tension members are high tensile steel and offer excellent dimensional stability for accurate positioning and less maintenance.

The tooth facing, a durable silver-gray nylon facing fabric, offers reduced coefficient of friction with the sprocket and also provides wear and abrasion protection.