



# BLACKHAWK PD™

SYNCHRONOUS



Part No: 480 8M BH 12  
 480 480mm Pitch Length  
 8M 8mm Pitch  
 BH BlackHawk Belt  
 12 12mm wide

## A HIGH-PERFORMANCE SYNCHRONOUS BELT WITH A UNIVERSAL PROFILE

For a curvilinear belt that offers maximum performance in your synchronous application, look no further than BlackHawk Pd. The high-performance belt offers best-of-breed technology and higher horsepower for the money. Its proven durability and strength makes it a compatible upgrade for many other timing belts.

## BELT MATERIALS THAT LAST LONGER

BlackHawk Pd belts feature Hibrex® rubber compound. This cross-linked elastomer is formulated to resist tooth deformity and increase tooth rigidity, increasing belt life and decreasing replacement costs. Compared to other belts in its class, Hibrex is up to 17 points harder with twice the tooth shear. Its chemical stability resists the effects of oils, coolants, heat, and ozone.

BlackHawk Pd's Flexten® tensile members provide excellent dimensional stability and high impact strength. Operating at a consistent tension, BlackHawk Pd requires little retensioning and less drive maintenance.

Designed for higher loads and abrasion resistance, Plioguard® facing provides a reduced coefficient of friction so that the belt meshes easier with sprockets. The nylon facing is enhanced with Hibrex which can provide 6 to 7% better abrasion resistance.

The demands of synchronous drives put additional strain on the belt and tooth surface, for high speed and low speed applications. The BlackHawk Pd tooth profile resists ratcheting and provides accurate positioning for synchronous drive applications. Upgraded Hibrex materials and tooth profile enable the teeth to engage the sprocket smoothly.

## APPLICATIONS

Nearly every conceivable industrial drive application where precise shaft synchronization is required. BlackHawk Pd belts can also be used as an alternative to problem V-belt and chain drives.

- Aggregate Machinery
- Paper Industry Machinery
- Printing Trade Machinery
- Food Processing Equipment
- Packaging Machinery
- Mining Equipment
- Woodworking Machinery
- Office Equipment
- Machine Tool
- Home Appliances
- HVAC Units
- Textile Machinery
- Farm Machinery
- Vending Machines

## KEY FEATURES & BENEFITS

- Universal tooth profile drops into existing HTD and RPP sprockets.
- Quieter operation.
- High-grade Hibrex compound.
- Flexten tensile members provide excellent dimensional stability and high impact strength.
- Requires little, if any, retensioning and less drive maintenance.
- Oil, heat, ozone, and abrasion resistant.
- Designed for high-capacity performance.
- Higher horsepower rating and longer life than traditional timing belts.

## HIGH CAPACITY PERFORMANCE

BlackHawk Pd synchronous belts are designed for high capacity performance, exceeding the traditional speed limitations of chain and performance limitations of belt drives. BlackHawk Pd belts are able to perform in drives ranging from fractional horsepower to 400 horsepower. The new material technology delivers a higher horsepower rating and notably longer life.

## LOWER MAINTENANCE COSTS

Unlike chain drives, BlackHawk Pd belts and matching sprockets do not require lubrication. There is also no need for retensioning like there is for V-belts and chain belts. Install BlackHawk Pd and watch your maintenance costs drop to practically nothing.