

# EAGLE Pd™ BELTS



Part No: B-1750

B Blue = 14 mm Pitch, 35 mm Width  
1750 1750 mm Pitch Length

## A REVOLUTIONARY BREAKTHROUGH IN SYNCHRONOUS BELT TECHNOLOGY

Much more than an alternative to chain and V-belt drives, Goodyear's Eagle Pd is a total product enhancement that can improve the performance of your drive design.

Eagle Pd's unique H.O.T. (Helical Offset Tooth) design provides a continuous rolling tooth engagement to create a lighter, quieter, reduced vibration, flangeless drive to maximize both the performance and efficiency of your drive system.

## LIGHTER, NARROWER DRIVES

The self tracking design of Eagle Pd eliminates the need for sprocket flanges, which reduces face width and weight. The belt is also bidirectional for use in reverse drive applications. And because the belt is comprised of specialized materials, the width of the belt can be reduced without compromising strength. The result is a lighter, narrower, more design-friendly drive option.

## BELT MATERIALS COMPOUNDED TO LAST LONGER

Durability starts with the Eagle Pd belt's Goodyear rubber compound, a cross-linked elastomer formulated to resist tooth deformity and increase tooth rigidity. Eagle Pd is also chemically stable to resist the effects of oils, coolants, heat and ozone.

Eagle Pd's high-strength Flexten tensile member provides optimal resistance to flex fatigue, elongation and shock loads while operating at high torque conditions. The facing of Eagle Pd belts also reduce tooth engagement friction while standing up to oil and chemical permeation.

## APPLICATIONS

Goodyear Eagle Pd belts and sprockets are ideal on a wide variety of applications in all industries.

- Agricultural Equipment
- Paper Presses
- Packaging Conveyors
- Hog Dehairers
- Aggregate Crushers
- Chain Drives
- Poultry/Meat Grinders
- Baking Mixers
- Wood Debarkers and Saws
- Textile Machines
- Mining Equipment
- Horizontal Drives
- Aluminum/Steel Conveyors
- Printing Machines

## KEY FEATURES & BENEFITS

- Reduced Noise
- Less Vibration
- Increased Power
- Less Maintenance
- Higher Efficiency
- Compactness
- Less Bearing Load
- Self-Tracking
- Greater Precision
- Bidirectional
- Length tolerances (ISO 13050)
- Static conductive\* (ISO 9563)

\* Only for the belts marked with SC

## INCREASED EFFICIENCY

### DRIVE CHANGE OPPORTUNITY

The unique tooth configuration of Eagle Pd provides continuous tooth engagement and eliminates slippage. With a power efficiency rating of 98%, Eagle Pd can offer you an impressive 5% edge over typical V-belt drives.

Simply stated, with Eagle Pd, you get more what you pay. This is especially true when the Eagle Pd is applied to high-energy consuming drives that are used 24 hours a day, as well as high power drives that inflate energy consumption during peak periods.



# EAGLE Pd™ BELTS

## A QUIETER, REDUCED VIBRATION DRIVE

The H.O.T. design of Eagle Pd belts and sprockets reduces vibration and decreases operating noise by as much as 19 decibels versus other synchronous systems. This can lead to a quieter working environment with improved worker efficiency. Costs associated with monitoring, training and testing to meet OSHA regulations can be virtually eliminated with Eagle Pd drives.

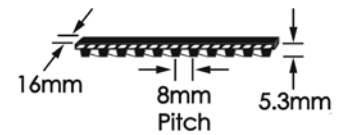
## MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

The Eagle Pd Color Spectrum System makes it the easiest power transmission drive to sell, purchase and install.

The part numbering system for Eagle Pd centers around a color-coded sizing system for the belts and sprockets. Each belt and sprocket part number includes a letter corresponding to a color and is also branded in that color. The letters Y, W, P, B, G, O and R indicate the colors Yellow, White, Purple, Blue, Green, Orange and Red. All Yellow belts are designed to function with all Yellow sprockets, as is the case for the White, Purple, Blue, Green, Orange and Red sizes.

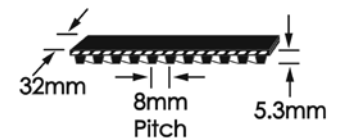
SYNCHRONOUS

### EAGLE Pd™ YELLOW (8 mm Pitch - 16 mm Width)



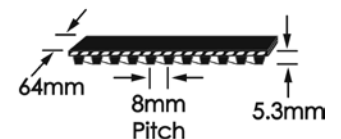
Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
Y-640	80	640	Y-1280	160	1280
Y-720	90	720	Y-1440	180	1440
Y-800	100	800	Y-1600	200	1600
Y-896	112	896	Y-1792	224	1792
Y-1000	125	1000	Y-2000	250	2000
Y-1120	140	1120	Y-2240	280	2240
Y-1200	150	1200	Y-2400	300	2400

### EAGLE Pd™ WHITE (8 mm Pitch - 32 mm Width)



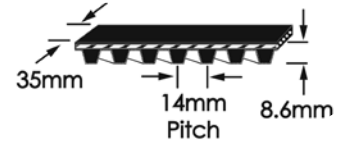
Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
W-640	80	640	W-1280	160	1280
W-720	90	720	W-1440	180	1440
W-800	100	800	W-1600	200	1600
W-896	112	896	W-1792	224	1792
W-1000	125	1000	W-2000	250	2000
W-1120	140	1120	W-2240	280	2240
W-1200	150	1200	W-2400	300	2400

### EAGLE Pd™ PURPLE (8 mm Pitch - 64 mm Width)



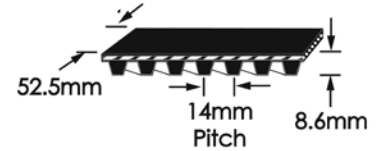
Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
P-720	90	720	P-1200	150	1200
P-800	100	800	P-1280	160	1280
P-896	112	896	P-1440	180	1440
P-1000	125	1000	P-1600	200	1600
P-1120	140	1120			

# EAGLE Pd™ BELTS



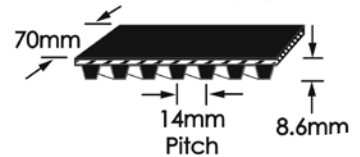
## EAGLE Pd™ BLUE (14 mm Pitch - 35 mm Width)

Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
B-994	71	994	B-2240	160	2240
B-1120	80	1120	B-2380	170	2380
B-1190	85	1190	B-2520	180	2520
B-1260	90	1260	B-2660	190	2660
B-1400	100	1400	B-2800	200	2800
B-1568	112	1568	B-3136	224	3136
B-1750	125	1750	B-3304	236	3304
B-1960	140	1960	B-3500	250	3500
B-2100	150	2100	B-3920	280	3920



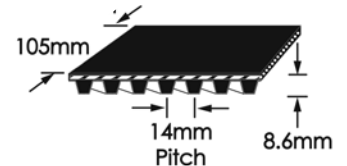
## EAGLE Pd™ GREEN (14 mm Pitch - 52.5 mm Width)

Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
G-994	71	994	G-2240	160	2240
G-1120	80	1120	G-2380	170	2380
G-1190	85	1190	G-2520	180	2520
G-1260	90	1260	G-2660	190	2660
G-1400	100	1400	G-2800	200	2800
G-1568	112	1568	G-3136	224	3136
G-1750	125	1750	G-3304	236	3304
G-1960	140	1960	G-3500	250	3500
G-2100	150	2100	G-3920	280	3920



## EAGLE Pd™ ORANGE (14 mm Pitch - 70 mm Width)

Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
O-1120	80	1120	O-2380	170	2380
O-1190	85	1190	O-2520	180	2520
O-1260	90	1260	O-2660	190	2660
O-1400	100	1400	O-2800	200	2800
O-1568	112	1568	O-3136	224	3136
O-1750	125	1750	O-3304	236	3304
O-1960	140	1960	O-3500	250	3500
O-2100	150	2100	O-3920	280	3920
O-2240	160	2240			



## EAGLE Pd™ RED (14 mm Pitch - 105 mm Width)

Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
R-1260	90	1260	R-2520	180	2520
R-1400	100	1400	R-2660	190	2660
R-1568	112	1568	R-2800	200	2800
R-1750	125	1750	R-3136	224	3136
R-1960	140	1960	R-3304	236	3304
R-2100	150	2100	R-3500	250	3500
R-2240	160	2240	R-3920	280	3920
R-2380	170	2380			

SYNCHRONOUS