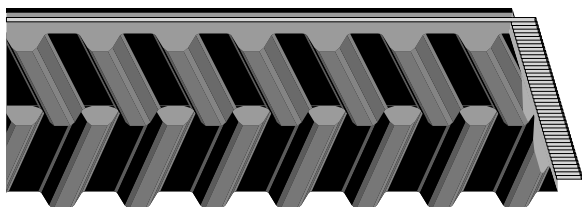




EAGLE Pd™ BELT



SYNCHRONOUS

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's unique HOT (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.

Utilizing a concept called "circular arc geometry," Eagle Pd belts and sprockets offer better anti ratcheting resistance, precise movement, increased horsepower ratings, and improved stress distribution allowing the belt's teeth to withstand the shearing action of high torque loads.

LIGHTER, NARROWER DRIVES

The self tracking design of Eagle 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 Hibrex® rubber compound, a cross-linked elastomer formulated to resist tooth deformity and increase tooth rigidity. Hibrex compound is also chemically stable to resist the effects of oils, coolants, heat and ozone.

Eagle's high-strength Flexten® tensile member provides optimal resistance to flex fatigue, elongation and shock loads

APPLICATIONS

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

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

KEY FEATURES & BENEFITS

- Reduced Noise
- Increased Horsepower
- Higher Efficiency
- Less Bearing Load
- Greater Precision
- Less Vibration
- Less Maintenance
- Compactness
- Self-Tracking
- Bidirectional

while operating at high torque conditions. Eagle's Plioguard® facing also reduces tooth engagement friction while standing up to oil and chemical permeation.

INCREASED EFFICIENCY

Eagle's unique tooth configuration 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 what you pay for with each energy dollar. 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 horsepower drives that inflate energy consumption during peak periods.

A QUIETER, REDUCED VIBRATION DRIVE

The Helical Offset Tooth 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 are virtually eliminated with Eagle Pd drives.

LOWER MAINTENANCE COSTS

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

Realize immediate savings with Eagle Pd belts and sprockets. In virtually every measure of comparison, Eagle Pd belts and sprockets are superior.



EAGLE Pd™ BELT

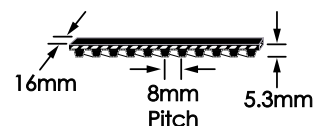
MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

The Eagle Pd Spectrum color 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. An example of the part numbering system nomenclature for belts, sprockets, and bushings follows and also occurs on subsequent pages.

BELT PART NUMBER NOMENCLATURE

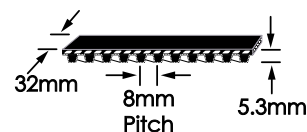
G – 2800	
G	Green Color
2800	2800 mm Pitch Length
Y – 896	
Y	Yellow Color
896	896 mm Pitch Length



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

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
Y-640	80	25.20	Y-1280	160	50.39
Y-720	90	28.35	Y-1440	180	56.69
Y-800	100	31.50	Y-1600	200	62.99
Y-896	112	35.28	Y-1792	224	70.55
Y-1000	125	39.37	Y-2000	250	78.74
Y-1120	140	44.09	Y-2240	280	88.19
Y-1200	150	47.24	Y-2400	300	94.49

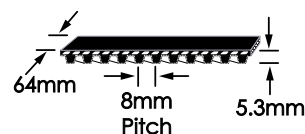
The belt length in mm is given in the part number.



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

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
W-640	80	25.20	W-1280	160	50.39
W-720	90	28.35	W-1440	180	56.69
W-800	100	31.50	W-1600	200	62.99
W-896	112	35.28	W-1792	224	70.55
W-1000	125	39.37	W-2000	250	78.74
W-1120	140	44.09	W-2240	280	88.19
W-1200	150	47.24	W-2400	300	94.49

The belt length in mm is given in the part number.



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

Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
P-720	90	28.35	P-1200	150	47.24
P-800	100	31.50	P-1280	160	50.39
P-896	112	35.28	P-1360*	170	53.54
P-1000	125	39.37	P-1440	180	56.69
P-1120	140	44.09	P-1600	200	62.99

The belt length in mm is given in the part number.

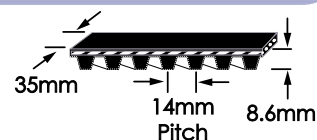
*Size under consideration for a future line addition.



EAGLE Pd™ BELT

SYNCHRONOUS

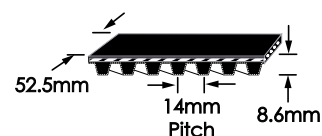
EAGLE Pd™ BLUE (14 mm Pitch - 35 mm Width)



Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
B-994	71	39.13	B-1960	140	77.17
B-1120	80	44.09	B-2100	150	82.68
B-1190	85	46.85	B-2240	160	88.19
B-1260	90	49.61	B-2380	170	93.70
B-1400	100	55.12	B-2520	180	99.21
B-1568	112	61.73	B-2660	190	104.72
B-1750	125	68.90	B-2800	200	110.24

The belt length in mm is given in the part number.

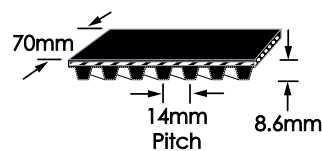
EAGLE Pd™ GREEN (14 mm Pitch - 52.5 mm Width)



Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
G-994	71	39.13	G-1960	140	77.17
G-1120	80	44.09	G-2100	150	82.68
G-1190	85	46.85	G-2240	160	88.19
G-1260	90	49.61	G-2380	170	93.70
G-1400	100	55.12	G-2520	180	99.21
G-1568	112	61.73	G-2660	190	104.72
G-1750	125	68.90	G-2800	200	110.24

The belt length in mm is given in the part number.

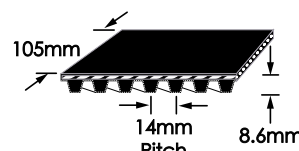
EAGLE Pd™ ORANGE (14 mm Pitch - 70 mm Width)



Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
O-1120	80	44.09	O-1960	140	77.17
O-1190	85	46.85	O-2100	150	82.68
O-1260	90	49.61	O-2240	160	88.19
O-1400	100	55.12	O-2380	170	93.70
O-1568	112	61.73	O-2520	180	99.21
O-1750	125	68.90	O-2660	190	104.72
			O-2800	200	110.24

The belt length in mm is given in the part number.

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



Part Number	No. of Teeth	Length (in)	Part Number	No. of Teeth	Length (in)
R-1260	90	49.61	R-2240	160	88.19
R-1400	100	55.12	R-2380	170	93.70
R-1568	112	61.73	R-2520	180	99.21
R-1750	125	68.90	R-2660	190	104.72
R-1960	140	77.17	R-2800	200	110.24
R-2100	150	82.68			

The belt length in mm is given in the part number.