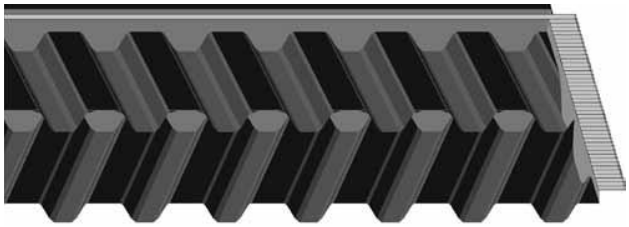
EAGLE NRG™

NEW!



Part No: B-1750

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

The Evolution Continues with the Next Generation in Synchronous Belt Technology

Eagle NRG is the next generation in synchronous belt technology. This unique, state-of-the-art alternative to straight tooth belts and drive chains has been enhanced to improve the overall performance of your drive design - and help you save Energy (NRG).

Eagle NRG'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. The self tracking design of Eagle NRG eliminates the need for sprocket flanges, which reduces face width and weight of the drive.

Higher Power Rating

With the emergence of higher power requirements and the need to reduce the size of drives, Eagle NRG's increased power capacity, up to 25% improvement, has the ability to handle an even wider variety of applications. Newly engineered materials and specialty compounds are formulated to give this next-generation Eagle belt more value in the most demanding applications.

Improved Operating Temperature Range

Knowing that elevated temperatures can significantly reduce belt life, we have made improvements in Eagle NRG's ability to perform at 95°C continuous operation and withstand peak temperatures as high as 145°C.

With Eagle NRG, you can experience a whole new level of performance and value in reinforced rubber synchronous belts.

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).
- Temperature resistance: -40° to +95° C.
- Static conductive** (ISO 9563).

** Refer to Static Conductive Belts section (page 85).

Belt Materials Compounded to Last Longer

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

Eagle NRG'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 NRG belts also reduce tooth engagement friction while standing up to oil and chemical permeation.

Increased Efficiency DRIVECHANGE™ Opportunity

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

Simply stated, with Eagle NRG, you get more what you pay for. This is especially true when the Eagle NRG 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 NRG™

A QUIETER, REDUCED VIBRATION DRIVE

The H.O.T. design of Eagle NRG 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 NRG drives.

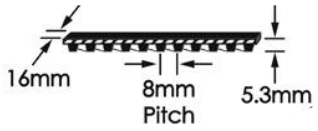
LOWER MAINTENANCE COSTS

Unlike chain drives, Eagle NRG belts and sprockets do not require lubrication. After initial run in and rechecking tension after 8 hours of operation, Eagle NRG belts do not need additional retensioning like V-belts.

MATCHING BELT TO SPROCKET HAS NEVER BEEN EASIER

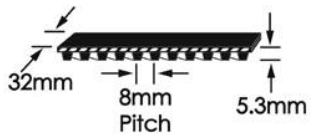
The Eagle NRG Color Spectrum System makes it the easiest power transmission drive to sell, purchase and install.

The part numbering system for Eagle NRG 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.



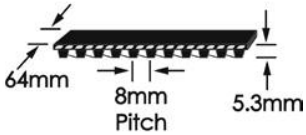
EAGLE NRG™ YELLOW (8 mm Pitch - 16 mm Width)

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 NRG™ WHITE (8 mm Pitch - 32 mm Width)

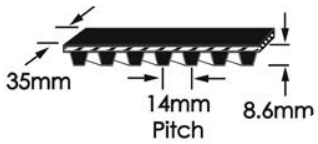
Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
W-640	80	640	W-1280	160	1280
W-720	90	720	W-1440	180	1440
W-800	100	800	W-1600	200	1600
W-896	112	896	W-1792	224	1792
W-1000	125	1000	W-2000	250	2000
W-1120	140	1120	W-2240	280	2240
W-1200	150	1200	W-2400	300	2400



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

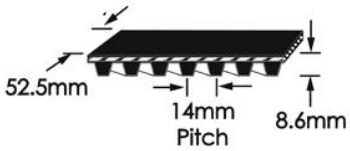
Belt reference	No. of Teeth	Length (mm)	Belt reference	No. of Teeth	Length (mm)
P-720	90	720	P-1200	150	1200
P-800	100	800	P-1280	160	1280
P-896	112	896	P-1440	180	1440
P-1000	125	1000	P-1600	200	1600
P-1120	140	1120			

EAGLE NRG™



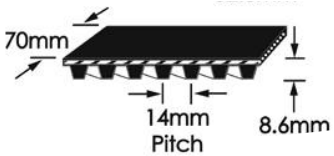
EAGLE NRG™ BLUE (14 mm Pitch - 35 mm Width)

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



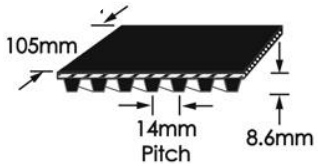
EAGLE NRG™ GREEN (14 mm Pitch - 52.5 mm Width)

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 NRG™ 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 NRG™ 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			