



FOR MORE INFORMATION ABOUT EAGLE NRG™,  
PLEASE CONTACT YOUR LOCAL  
GOODYEAR ENGINEERED PRODUCTS REPRESENTATIVE.

TO CONTACT OUR CUSTOMER SERVICE TEAM, PLEASE CALL THE APPROPRIATE NUMBER BELOW:

REGIONAL OFFICES, SLOVENIA	+386-4-2078-047
SPAIN	+34-91-6846-042
UNITED KINGDOM	+44-15-43-687-103
MIDDLE EAST	+91-79-2646-7-452
CIS & BALTICS	+380-44-4953-466

www.goodyearep.eu  
industrial\_europe@veyance.com

#### REGIONAL OFFICES FOR EUROPE, MIDDLE EAST & AFRICA

##### VEYANCE TECHNOLOGIES EUROPE, D.O.O.

ŠKOFJELOŠKA CESTA 6  
4000 KRANJ  
SLOVENIA  
TEL: +386 2078 073  
FAX: +386 2078 253

##### POLAND

MELS CONSULTING  
SZCZECINSKA 23  
80-392 GDANSK  
POLAND  
TEL: +48 58 732 55 33

##### CIS & BALTICS

VEYANCE TECHNOLOGIES REPRESENTATIVE OFFICE, CIS AND BALTICS  
154 BORSCHAGOVSKAYA STR., OFFICE 422  
03148 KIEV  
UKRAINE  
TEL/FAX :+380 44 495 3466

##### SPAIN

VEYANCE TECHNOLOGIES SPAIN S.L.  
C/INICIATIVA, 22  
28906 GETAFE  
MADRID  
TEL: +34 91 6846042

##### FRANCE, BELGIUM, LUXEMBOURG & NORTH AFRICA

VEYANCE TECHNOLOGIES FRANCE SAS  
CHEMIN LES HAUTS DE VALLIERES  
9 IMPASSE DU CHATEAU ROUGE  
69530 BRIGNAIS - FRANCE  
TEL: +33 437 236 851  
FAX : +33 437 236 858

##### UNITED KINGDOM

VEYANCE TECHNOLOGIES UK LTD.  
UNIT 25 ROBINS ROAD, ZONE 3,  
BURNTWOOD BUSINESS PARK,  
BURNTWOOD, STAFFORDSHIRE, WS7 3XB,  
ENGLAND  
TEL: +44 -15-43-687-124

##### CZECH REPUBLIC

VEYANCE TECHNOLOGIES CZECH, S.R.O.  
NA ROVINCE 873  
720 00 OSTRAVA-HRABOVA  
THE CZECH REPUBLIC  
TEL: +420 733 39 12 19  
FAX: +420 595 783 303

##### MIDDLE EAST

C/O VEYANCE RUBBER INDIA PRIVATE LIMITED,  
107, "SAMPADA", 21, RASHMI SOCIETY,  
NR. MITHAKHALI SIX ROADS, NAVRANGPURA,  
AHMEDABAD : 380 006.  
TEL/FAX : (+91) 79 2646 7452

A POWERFUL INNOVATION  
IN SYNCHRONOUS DRIVE SYSTEMS.



INTRODUCING

EAGLE NRG™

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Aftermarket Parts - Automotive, Conveyor Belt - Heavyweight and Lightweight,  
Government, Heavy Duty, Home and Garden, Hydraulics, Industrial Hose,  
Power Transmission Products, Powersports, Rubber Track,  
Seawing Offshore Oil Hose

VEYANCE  
TECHNOLOGIES

GOODYEAR  
ENGINEERED PRODUCTS





# EAGLE NRG™

BENEFITS THAT ADD UP

Up to **19dB** quieter  
than straight-tooth belts

Up to **25%** more  
power capacity\*

Rated for  
continuous service at  
**95°C**

static conductive\*\*

Up to **98%**  
energy efficiency

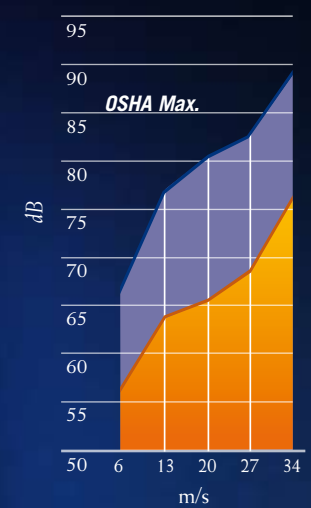
\*When compared to Eagle Pd. \*\*Drive conditions and service variables in combination with time in operation can result in loss of static conductivity. It is recommended that a conductivity check be added to drive prevention maintenance programs where belt static conductivity is a requirement.





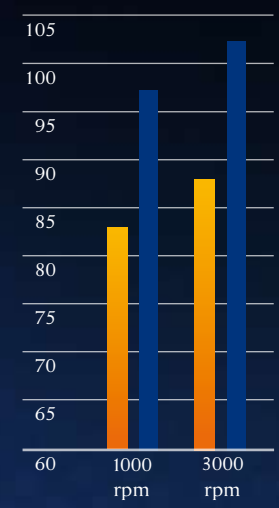
# High performance with measurable results

## Lower noise



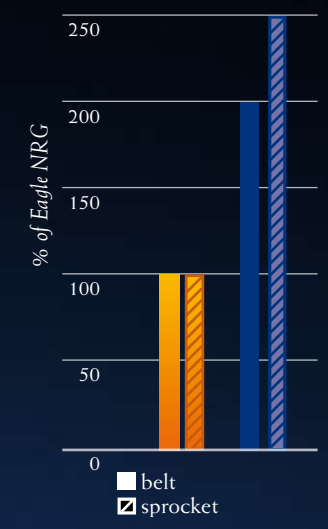
The Eagle NRG belt and sprocket reduce noise by as much as 19 decibels vs. other synchronous systems.

## Less vibration



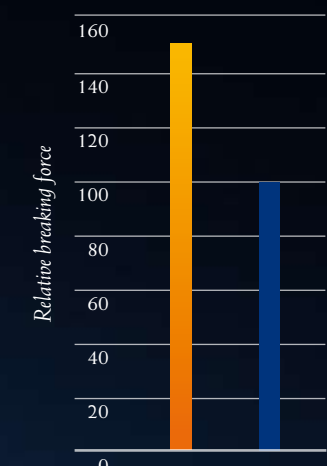
Enjoy smoother, more precise power transmission. Vibration normally associated with synchronous drives can be reduced as much as 19%.

## Narrower drive



The specialized materials allow you to reduce overall face width and weight without compromising belt strength and durability. The belt's self-tracking feature eliminates the need for flanges, thus allowing for further width and weight reduction.

## Belt strength



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

## The Eagle NRG™ advantage

### over v-belts

- Reduced downtime and maintenance costs
- Eliminates retensioning
- Lower belt tension/reduced bearing loads
- High mechanical efficiency
- No slippage

### over chain

- Reduced noise
- Reduced downtime and maintenance costs
- Eliminates lubrication system
- Wider speed range
- Longer service life
- Greater precision

## KEY

Eagle NRG █

Standard Round Tooth █

With up to 25% more power capacity and static conductivity\*, Eagle NRG is a powerful upgrade to the original Eagle Pd® - and even more advanced than standard round-tooth belts and chain drives.

Eagle NRG's patented Helical Offset Tooth (H.O.T.) design merges belt and sprocket into the quietest, smoothest and one of the most compact synchronous drive packages available. The result is a continuous rolling tooth engagement that reduces vibration and improves the overall efficiency of your drive system.

Eagle NRG produces a powerful 98% efficiency rating – an impressive 5% higher than typical v-belt drives. That translates into immediate energy savings. But the savings really add up when Eagle NRG is applied to high-energy consuming drives that run 24 hours a day.

By employing circular arc geometry, Eagle NRG belts and sprockets are able to provide better ratcheting resistance, precise movement, increased horsepower rating and improved stress distribution – all to better withstand the shearing action of high torque loads.





The construction of Eagle NRG™ belts and sprockets makes them extremely adaptable to the needs of design engineers and cost-efficient for the end user.

**1 Eagle Sprockets**

- Continuous rolling tooth engagement allows belt to enter sprocket with minimal impact, wear and operating noise, thus creating longer-lasting, quieter drives
- Does not require flanges; helical offset tooth design allows belt to self-track

**2 Flexten® Tensile Member**

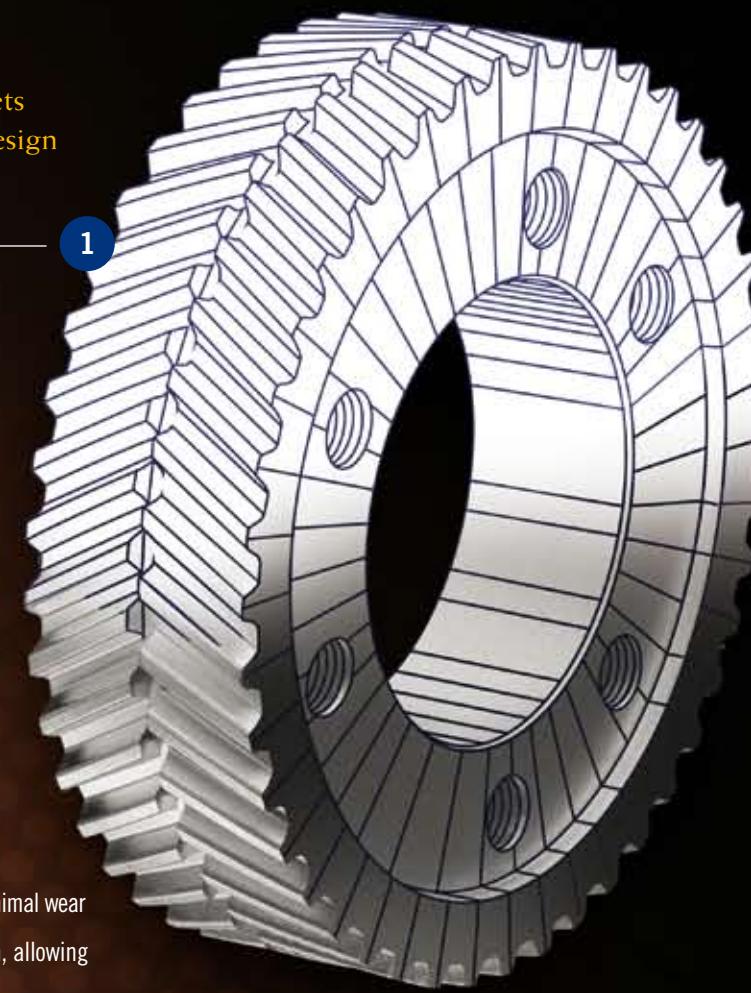
- Pound for pound, stronger and more flexible than steel to handle today's drive designs
- Resists fatigue, elongation and shock loads, even in high-torque conditions, so there's no need to retension belts once properly installed

**3 Plioguard® Facing**

- New proprietary treatment strengthens the tooth, increasing rigidity and load carrying capacity
- Reduces tooth engagement friction, allowing for prolonged belt life and minimal wear
- More tolerant of debris, high temperature, oil and chemical permeation, allowing the belts to operate in a wide variety of environments

**4 HiBrex® Rubber Compound**

- Resists tooth deformity while increasing tooth rigidity to ensure precise synchronization over prolonged use
- Resists the effects of oils, coolants, heat and ozone for maximum service life



Engineered for  
**energy efficiency**

**A FULL SPECTRUM OF SIZES**



color	yellow	white	purple	blue	green	orange	red
pitch	8mm	8mm	8mm	14mm	14mm	14mm	14mm
width	16mm	32mm	64mm	35mm	52.5mm	70mm	105mm

The Eagle NRG Color Spectrum System makes it the easiest synchronous drive system to sell, purchase and install. The part numbering system for Eagle NRG includes a letter that corresponds to the color of the branding on the belt. ("Y" for yellow, "W" for white, etc.) Each color defines a particular tooth pitch and belt width. Match the colors, and you've matched the correct belt and sprocket.