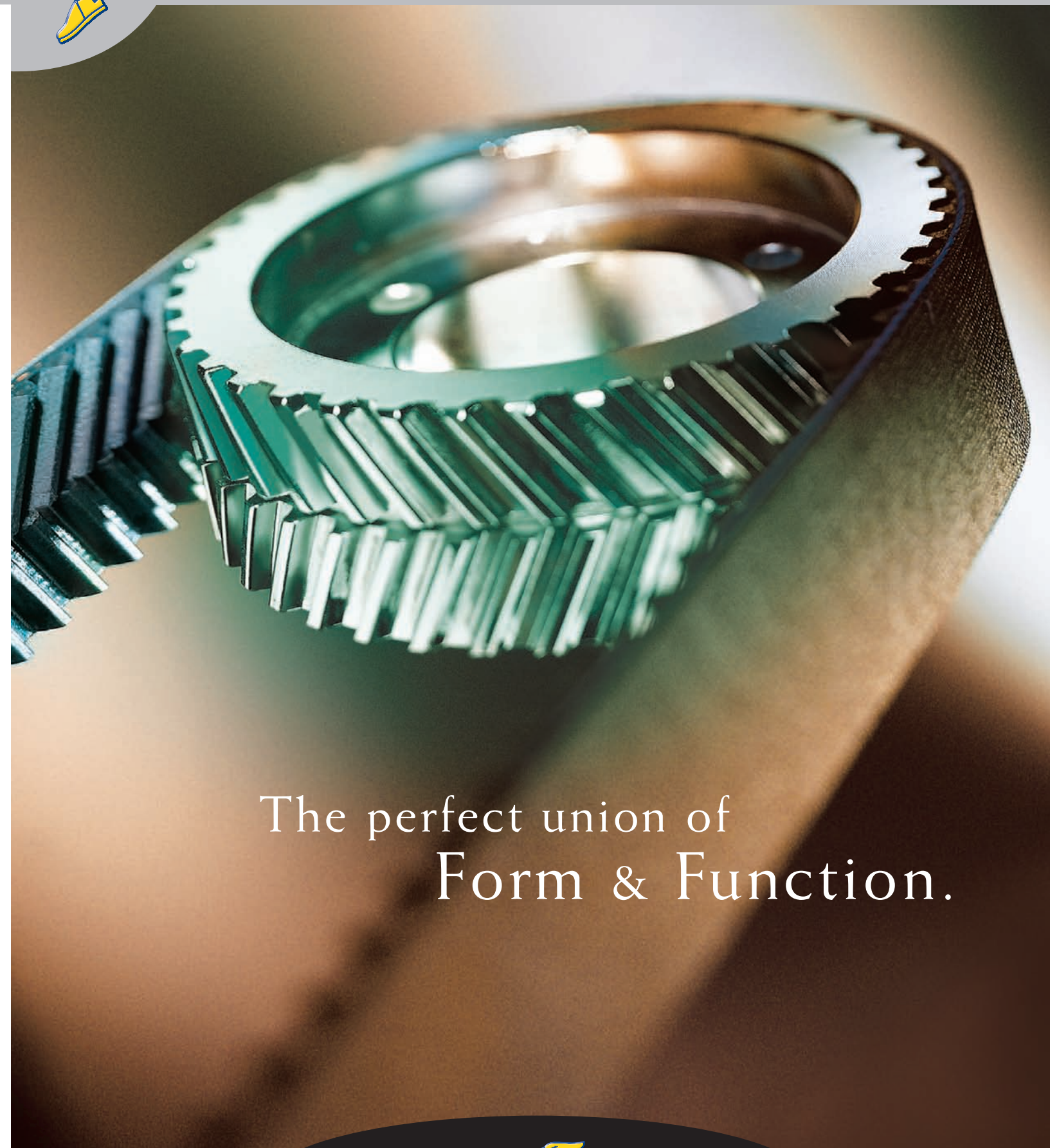




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Designed to function
at a higher level.

Goodyear's Eagle Pd™ synchronous drive system is not just an alternative to chain, v-belt and straight tooth synchronous belt drives. Design engineers around the world are discovering that Eagle Pd's revolutionary union of belt and sprocket opens up

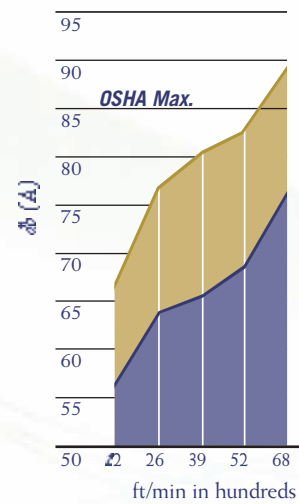
a whole new world of drive design and changeover options. And it does so while significantly reducing noise levels, wasted energy and virtually eliminating maintenance costs. Eagle Pd. The synchronous drive system designed to function at a higher level.

HIGH PERFORMANCE WITH MEASURABLE RESULTS

Eagle Pd's Helical Offset Tooth (H.O.T.) design merges both belt and sprocket into the quietest, smoothest and most compact synchronous drive package available. The result is a continuous rolling tooth engagement that reduces vibration and improves the overall efficiency of your drive system. By employing circular arc geometry, Eagle Pd™ belts and sprockets are able to provide better ratcheting resistance,

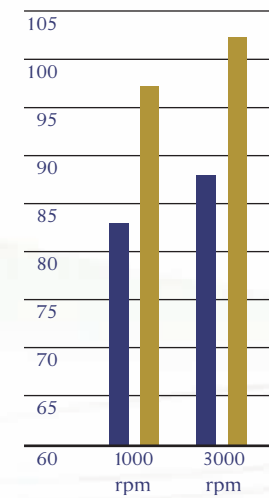
precise movement, increased horsepower ratings and improved stress distribution – all to better withstand the shearing action of high torque loads. What's more, Eagle Pd sprockets are available in over 1,000 combinations, making it easy to match the size and speed that are required by your system. More speed ratio options allow for more design flexibility and smaller, lighter drives.

Lower noise



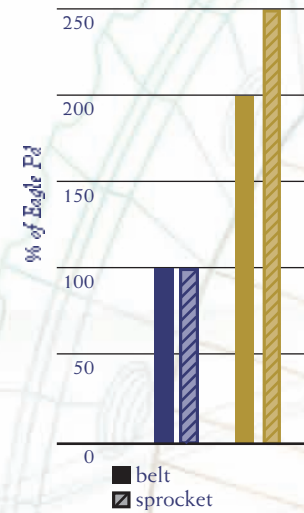
Improve workforce conditions and eliminate the extra costs associated with making drives meet OSHA regulations. The belt and sprocket of Eagle Pd form a silent partnership, reducing drive noise by as much as 19 decibels vs. other synchronous systems.

Less vibration



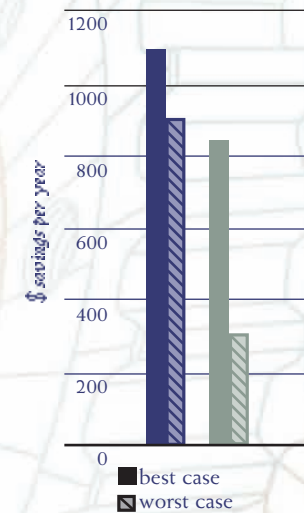
Enjoy smoother, more precise power transmission thanks to Eagle Pd's continuous rolling tooth engagement. Vibration normally associated with synchronous drives can be reduced as much as 19%.

Narrower drive



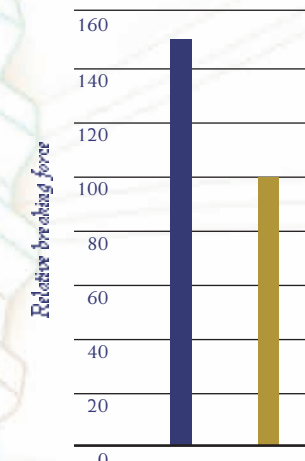
The specialized materials that make up Eagle Pd belts allow you to reduce overall face width and weight without compromising belt strength and durability. The belt's self tracking feature eliminates the need for flanges, thus allowing for further width and weight reduction.

Energy savings



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

Belt strength



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

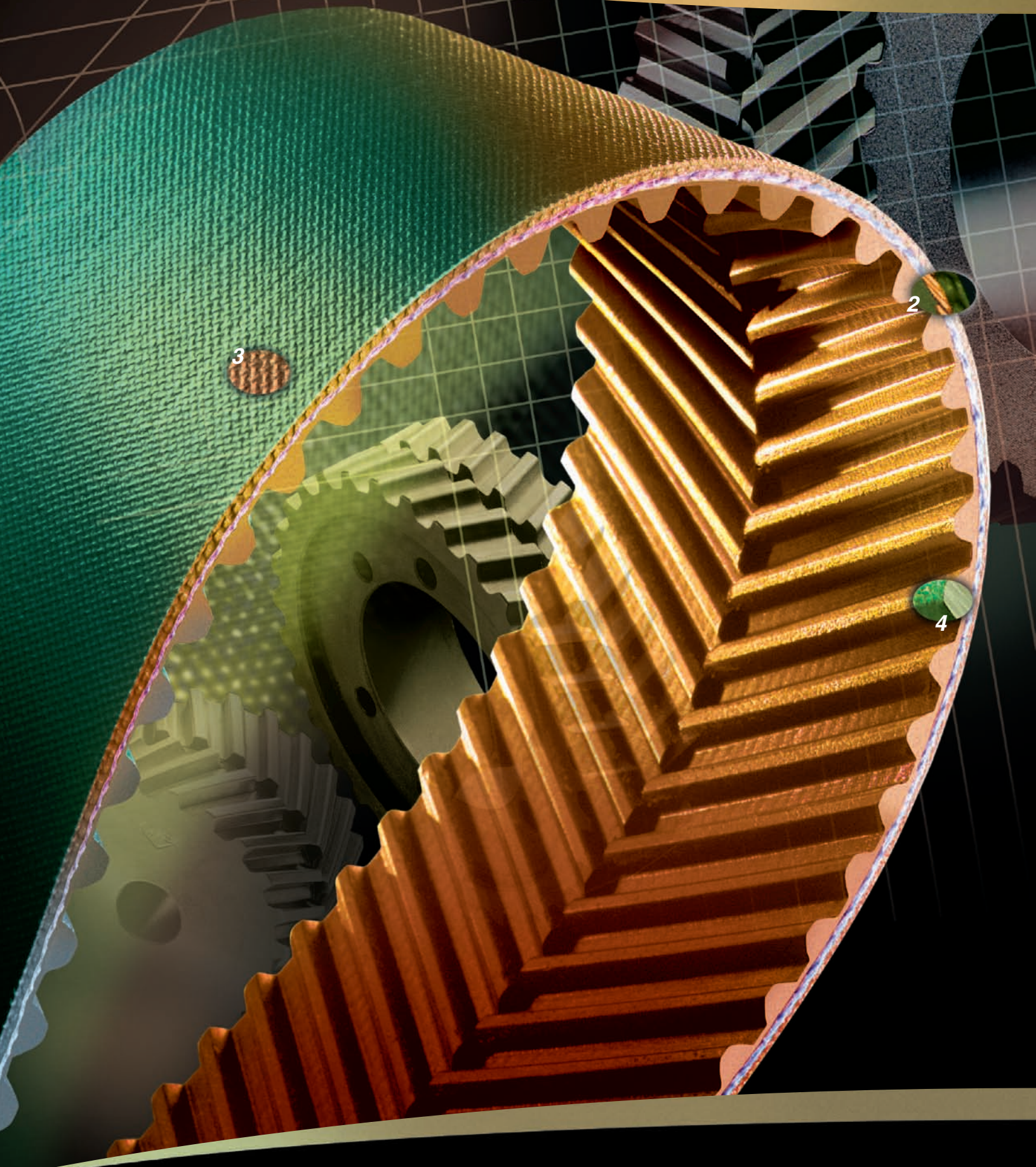
The Eagle Pd advantage

over v-belts

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

over chain

- Reduced noise
- Reduced downtime and maintenance costs
- No stretch
- Eliminates lubrication system
- No corrosion
- Wide speed range
- Longer service life
- Greater precision



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

Eagle Pd Sprockets (1)

- 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
- Over 1,000 sprocket combinations available, making it easier to match the desired design speed
- Available in ductile iron, steel, aluminum, or stainless steel constructions to meet a variety of design criteria

Flexten® Tensile Member (2)

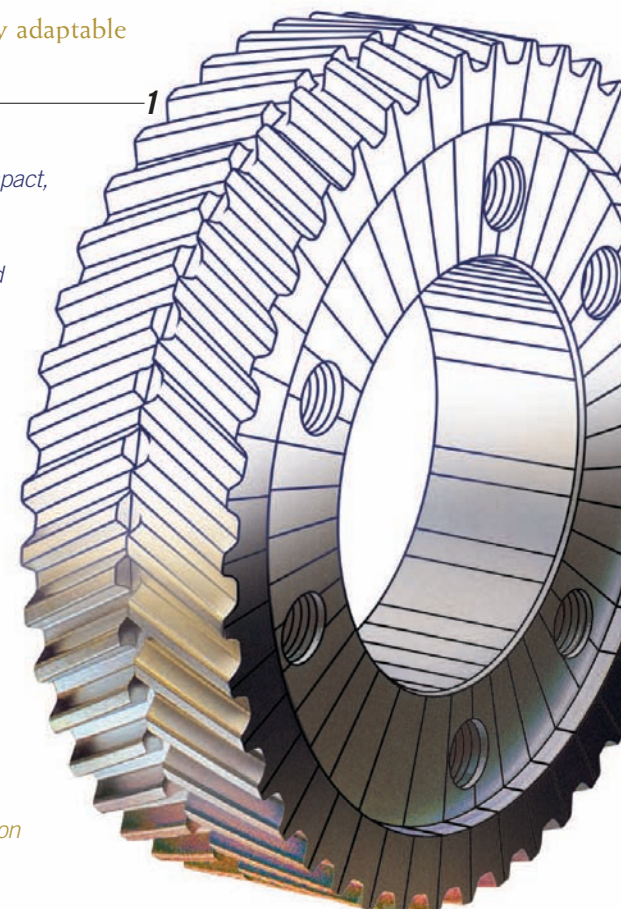
- Pound for pound stronger than steel to handle today's drive designs
- Resists flex fatigue, elongation and shock loads, even in high-torque conditions so there's no need to retension belts once properly installed

Plioguard® Facing (3)

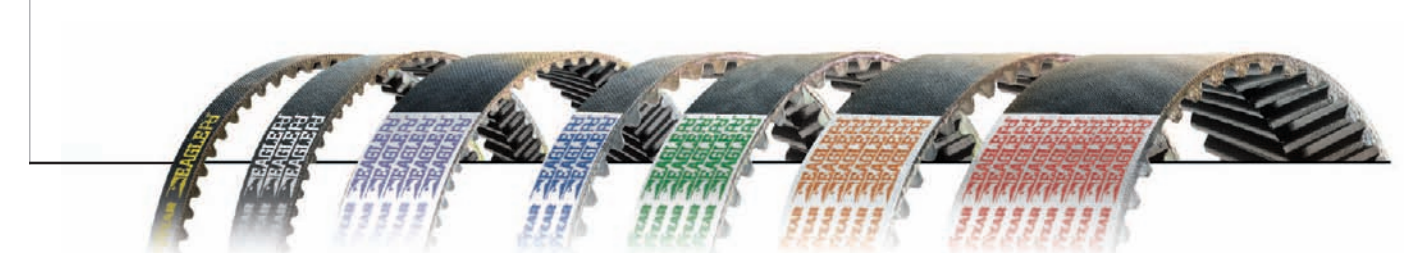
- Reduces tooth engagement friction allowing for prolonged belt life and minimal wear
- Stands up to oil and chemical permeation so the belts can operate in a wide variety of environments

HiBrex® Rubber Compound (4)

- 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



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 Pd Spectrum color system makes it the easiest synchronous drive system to sell, purchase and install. The part numbering system for Eagle Pd 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 belt and sprocket.