

# Fenner®

Reliable | Trusted | Connected

## Fenner® Taper Lock Bushes and Pulleys

Precision manufactured to exacting specifications thousands of engineers insist on using Fenner® Taper Lock® pulleys. Manufactured from high grade iron they tolerate shock loading and achieve rim speeds of up to 40m/s, this combined with the four hole bush design greatly improves balance.



### Taper Lock

Easy-on, easy-off.

Machined to exacting tolerances in cast iron and steel, the Fenner® Taper Lock® four hole bush has been tried and tested in over 50 million applications. It is the most successful shaft fixing in the market place today with a full range of both metric and imperial sizes as well as a full range of weld-on hubs, bolt-on hubs and hub adaptors.

- > Equivalent to a shrink-on fit on uniform load applications and thus eliminating the cost of a key
- > No costly re-boring: full range of both metric and imperial available
- > Special 4-hole feature for balanced assemblies
- > High grade, close grain iron material



### Fenner Pulleys

Precision manufactured.

Fenner® friction pulleys are manufactured from high grade iron, are highly tolerant to shock loading and can achieve rim speeds of up to 40m/s. Available with pilot bore fixings or using the Taper Lock® shaft fixing system for ultimate versatility, Fenner friction pulleys provide a high grade of accuracy.

- > All pulleys are statically balanced
- > Surface treated to reduce corrosion
- > Specials available



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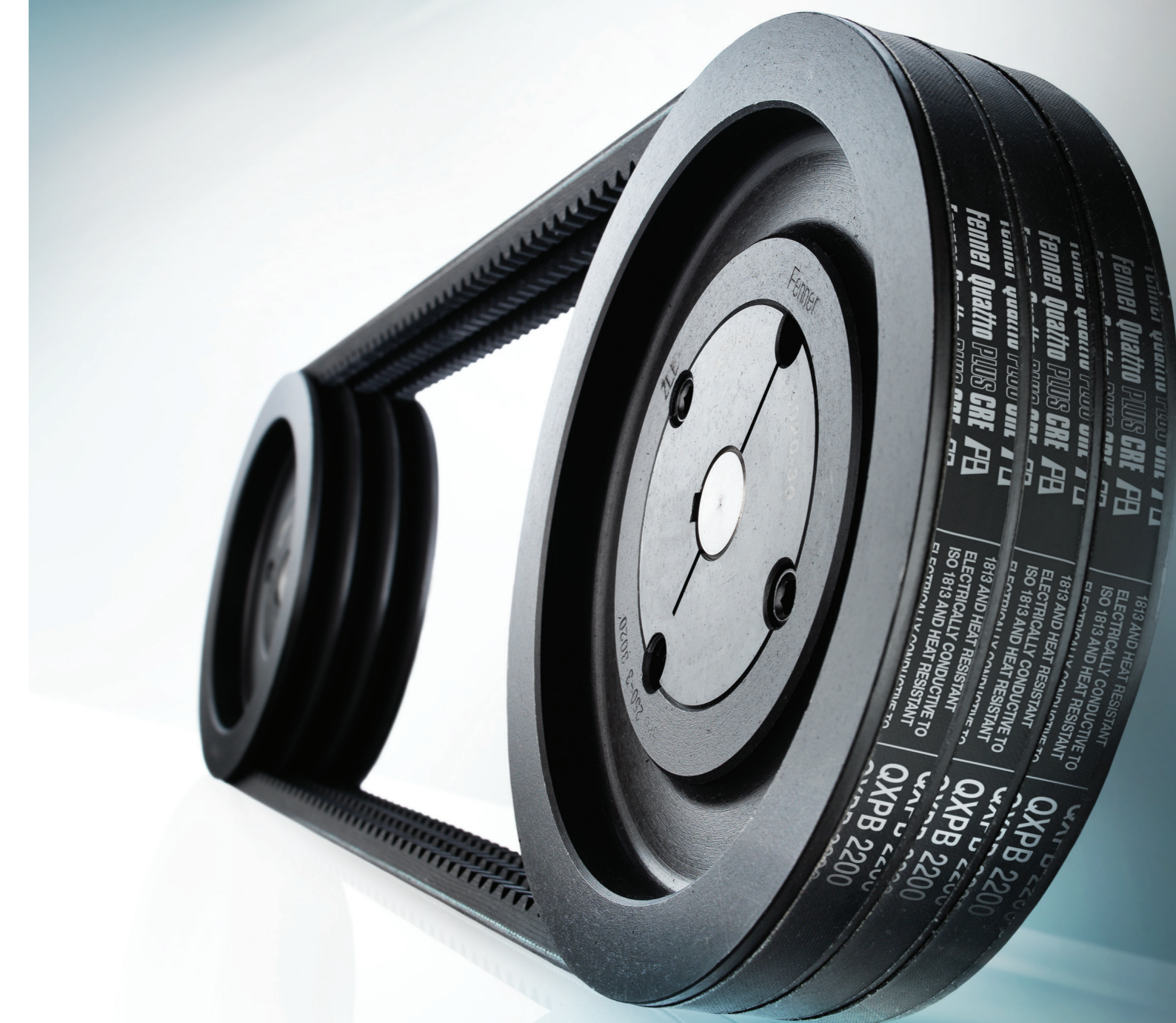
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TRANSMISSION BELTS



Friction Belts



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## Fenner® Friction Belts

World renowned for their rugged construction and efficient performance, Fenner® friction belts have been tried, trusted and specified by many of the worlds largest industrial manufacturers for over 150 years. They won't let you down.

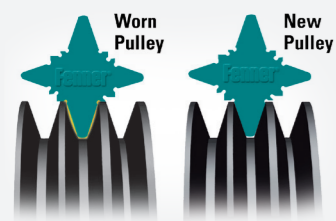
Manufactured to exacting European and Industrial standards and supported by the Fenner® Quality Assured Initiative and a robust continuous product development programme, the Fenner® friction belt range is now better than ever.

- > Improved performance and quality
- > Use of Ethylene Propylene Diene Monomer (EPDM) for high performance CRE products
- > Heat and oil resistant
- > Anti-static to ISO 1813
- > Precision Build Technology
- > Suitable for tropical climates

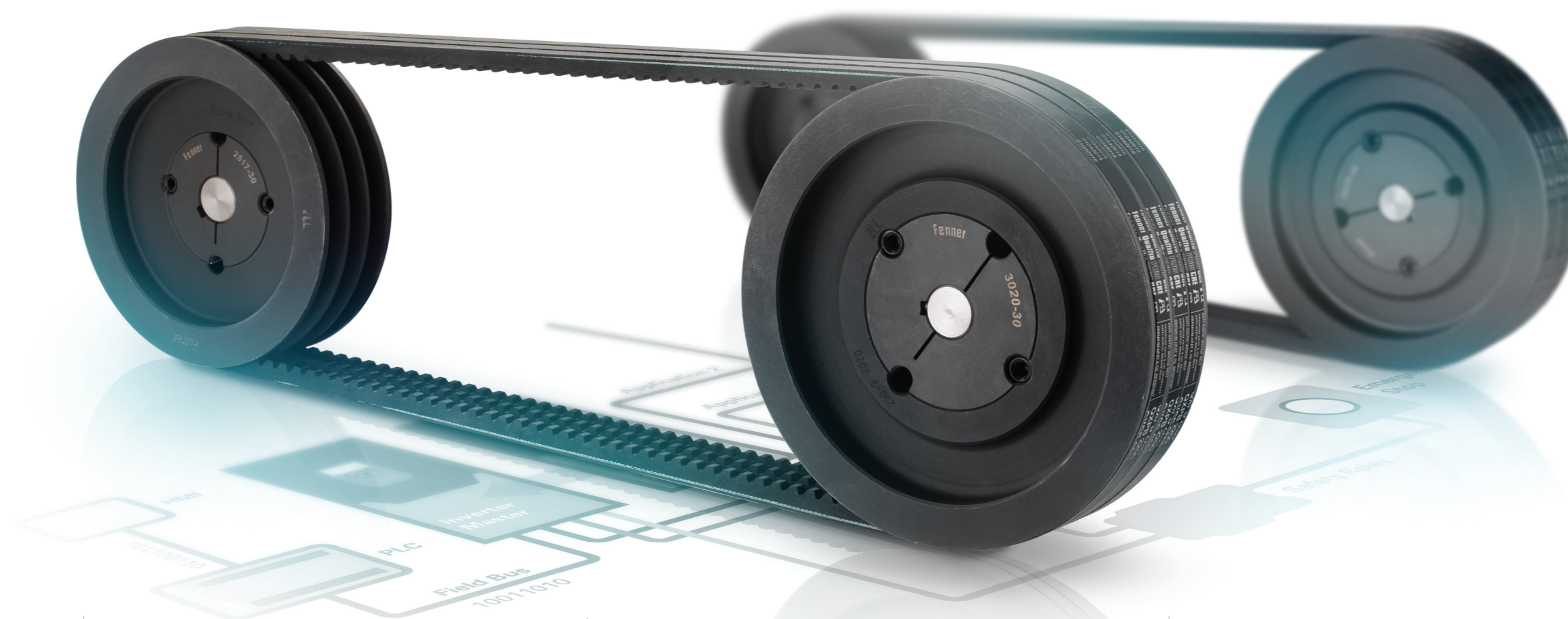
### Can you afford not to change your pulleys?

50% of new belts are fitted to worn pulleys - wasting energy and compromising the lifespan of new belts.

Replacing a worn belt but leaving a worn pulley in place will do little to restore the efficiency of a drive and the belt will have a far shorter life span than it should.



For more information visit [fptgroup.com/science](http://fptgroup.com/science)



$\eta > 98\%$   
Energy Efficient

### Quattro PLUS CRE

**More power. Longer Life.**  
Relative Power  $\uparrow 150$

The Fenner® Quattro PLUS CRE is a step forward in belt technology. It transmits 26% more power than a traditional CRE range and offers 15% longer life.

- > Synthetic rubber EPDM heavy duty V-belt
- > Enhanced tooth profile improves belt flexibility, reducing bending resistance and increasing efficiency and life
- > Extended temperature range -40°C to +130°C
- > Reduced belt weight, lower inertia, reduced vibration
- > Lower pre-tensioning force offers longer bearing life and extends maintenance periods between re-tensioning



$\eta > 96\%$   
Energy Efficient

### Quattro PLUS TW

**Maximum stability. Wide range of use.**  
Relative Power  $\uparrow 130$

The Fenner® Quattro PLUS TW is a wrapped belt that has been specifically designed to reduce belt elongation and improve stability. Suitable for a wide range of industries and uses, it transmits 30% more power than traditional wrapped belts.

- > State-of-the art wrapped chloroprene rubber construction
- > Higher modulus polyester cord reduces belt elongation
- > 2-ply asymmetrical weave outer jacket improves belt length stability and improves abrasion resistance
- > Suitable for counterbending/back-tensioners



$\eta > 97\%$   
Energy Efficient

### Ultra PLUS CRE

**Stable. Flexible.**  
Relative Power  $\uparrow 120$

Fenner® Ultra PLUS CRE is ideal for use in high ratio applications often required by today's compact drive envelopes. Combining flexibility with structural stability, it offers a higher running efficiency than wrapped belts whilst also allowing excellent length matching.

- > Special compounds improve flexibility and strength
- > Higher running efficiency than wrapped belts
- > Precision Build technology allowing excellent length matching



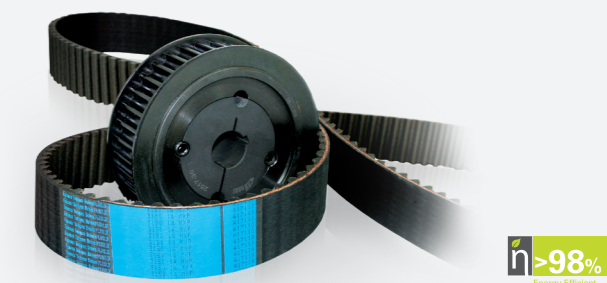
$\eta > 96\%$   
Energy Efficient

### Ultra PLUS

**Trusted. Precision.**  
Relative Power  $\uparrow 100$

Designed for use in single or multi-belt drives, Fenner® Ultra PLUS transmission belts deliver maximum cost and performance benefits by utilising low elongation polyester cords and abrasion resistant impregnated jacket fabric.

- > Ideal for use in single or multi-belt drives
- > One-shot tensioning for fit and forget applications
- > Precision Build technology



$\eta > 98\%$   
Energy Efficient

### Torque Drive PLUS 3

**The compact, quiet, powerful solution.**  
Relative Power  $\uparrow 150$

The state of the art Fenner® Torque Drive Plus 3 (TDP3) works with standard HTD pulleys to provide the ultimate combination of power capacity, low noise and high accuracy in a belt drive.

- > The highest power rating in the range
- > Enhanced compounding and glassfibre cord excel in highly dynamic applications
- > Ultra compact and cost effective
- > Polyamide facing layer reduces noise, extends life
- > Quiet operation, even at high speeds

Also available:

## Fenner® Synchronous Belts

The outstanding performance of Fenner® third generation belt drives delivers load transmissions similar to a chain drive but with less noise, no lubrication required, no speed loss and zero "slip".

