



drive



POGGI[®]

trasmissioni meccaniche s.p.a.

TRADITION & INNOVATION



Poggi Trasmissioni Meccaniche launches a new range of synchronous pulleys and polyurethane belts with the **Poggi P-drive®** quiet self-guided transmission. The increasing request for low noise applications is now satisfied by **Poggi P-drive®** power transmission that, thanks to its self-tracking tooth design, does not require any flanges on the pulley and increases transmitted torque.

APPLICATIONS

Poggi P-drive® power transmission is suitable for a lot of applications, such as:

- Packaging and Automation: Pharmaceutical, Dairy/Food & Beverage and much more.
- Linear units, Elevators and automatic lifting systems
- Vertical automatic storage and warehouse systems
- Automatic and/or sliding doors
- Fully automated industrial lines
- Gantry Cartesian Robots
- Pick and place Robots

FEATURES

Low noise Poggi P-drive® provides a smarter solution to nowadays timing power transmission applications where noise, an essential characteristic of straight tooth synchronous belting, must be constrained to minimum levels.

The Helical Offset of teeth design and the continuously rotating pulley-belt tooth engagement, allows **Poggi P-drive®** to run more smoothly and more quietly than any other synchronous power transmission system.

Poggi P-drive® shows up a substantial decrease of noise in the applications where traditional timing belts are used.

High torque capacity.

HIGHER RESISTANCE TO:

- Ageing
- Hydrolysis
- UVA rays
- Ozone, most acids and alkalis
- Oils, fats and greases

Poggi P-drive® working temperature range -25°C +80°C



DESIGN

Poggi P-drive® tooth design consists of a left and right helix, conveying the belt into the exact centre of the **P-drive**® pulley, avoiding any belt wander and ensuring high precision positioning.

As a consequence of the natural self-tracking design of the Helical Offset Tooth, the new **Poggi P-drive**® transmission **eliminates the need for flanged pulleys**.



SPECIFICATIONS OF CLAMPING PLATES

Poggi P-drive® polyurethane belts feature nylon facing on the Helical Offset Teeth and increase the tensile load capacity, **allowing the teeth to transmit a higher torque**.

CLAMPING PLATES SPECS

- Materials: Steel, Stainless Steel and Aluminium alloys
- Standard Surface Treatments: Manganese Phosphating, Burnishing, Anodizing



PRODUCT RANGE:

• PD 5 • PD 8 • PD 14

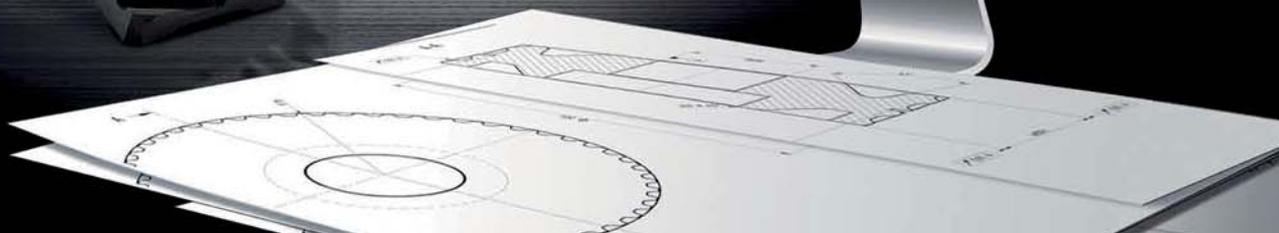
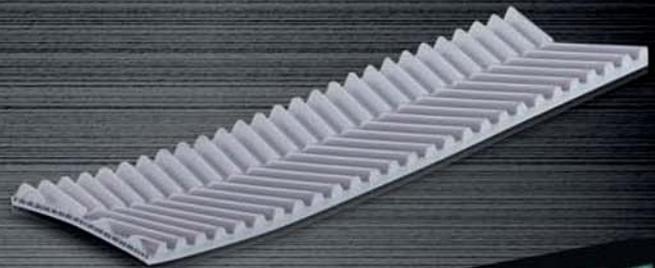
Let us have your requests and we will fulfill your needs

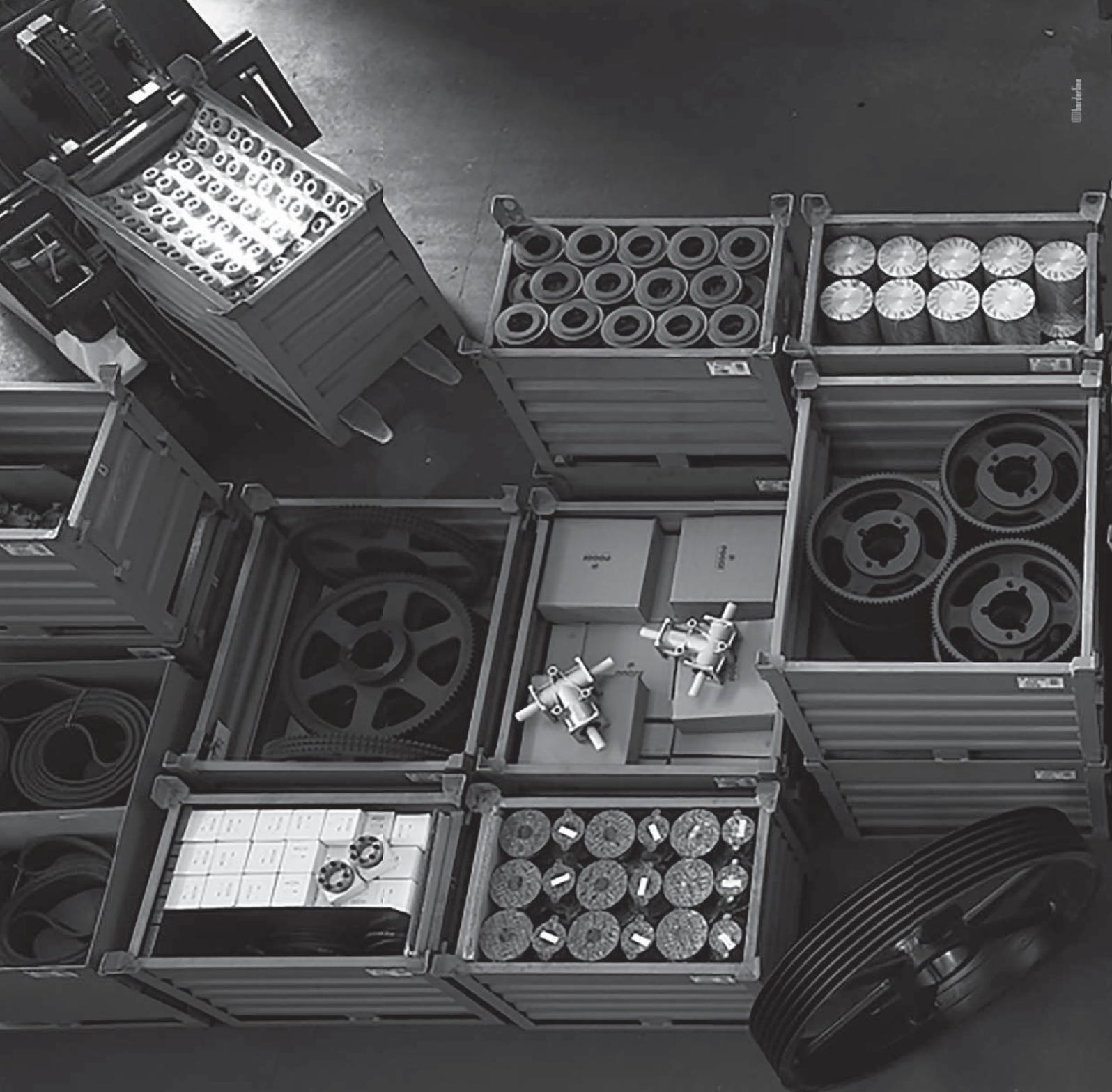


SPECIFICATIONS OF BELTS

Poggi P-drive® pulleys are designed, developed, engineered and manufactured in a wide range of materials such as Cast Iron, Steel, Stainless Steel and Aluminium alloys.

- Surface treatments: Manganese Phosphating, Burnishing, Anodizing
- Suppliable with: pilot and finished bores, for **System-P**® and **Poggilock**® Taper Bushes





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