

CONVEYDYN®

A NEW BELT DESIGN TO REPLACE PU O-RINGS
The belt that was missing from the conveying range.



**Roller
Conveying**
BELTS

The CONVEYDYN® is a new elastic power transmission belt, specially dedicated to roller conveyors equipped with O-ring round belts in straight lines and in curves.

- ▶ Directly replaces existing O-ring belts
- ▶ Higher torque transmission
- ▶ Higher conveyor speed
- ▶ Less power losses
- ▶ Higher lifetime

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We make it **possible**

HUTCHINSON BELT DRIVE SYSTEMS

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EXPERTISE

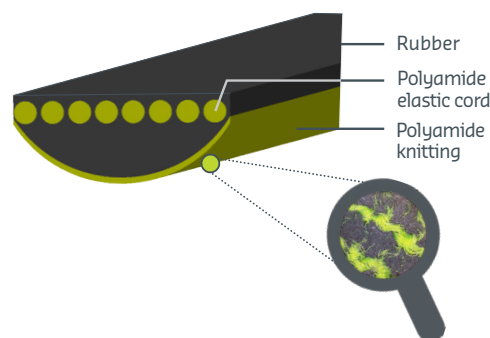
Hutchinson is the inventor of conveyor elastic belt technology. We are working in close collaboration with worldwide market leaders of Roller Conveyors and millions of Conveyxonic® belts are already fitted on thousands kilometers of conveyors.



The brand new CONVEYDYN® can be fitted in place of, and instead of O-rings without changing roller conveyors to benefit immediately of its great advantages in curves and straight lines.

STRUCTURE

- ▶ A new shape to optimize the contact surface with the roller round groove (polyamide or steel)
- ▶ Polyamide cord to increase transmission capacities
- ▶ Polyamide knitting to avoid noise and dust
- ▶ Molded belt to increase lifetime



CHARACTERISTICS

- ▶ CONVEYDYN® are adapted to plastic or steel roller conveyor with 5mm radius groove for straight & curve rollers conveying packages up to 30kg cartonbox.

	REACH	ANTISTATIC	ROHS
CONVEYDYN® RESISTANCE	✓	✓	✓



Cold resistant to -40°C



Temperature up to 80°C

BENEFITS COMPARE TO O-RING* AT ISO CONFIGURATION

*Tests carried out on our test rig on tapered steel rollers



Belt lifetime on curve



Belt lifetime on straight line

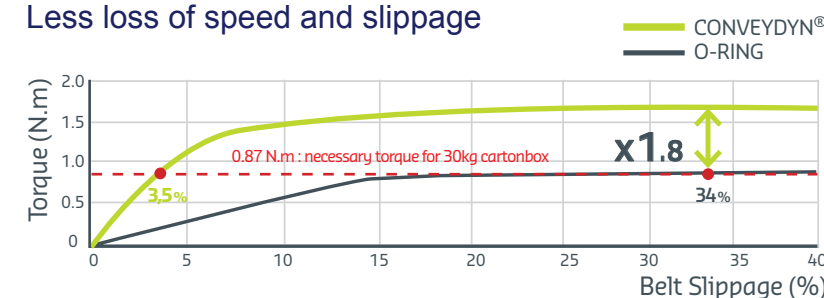


Cost savings on motorized rollers



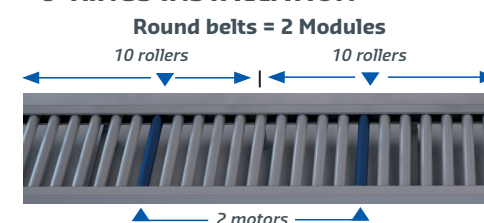
Noise reduction

- ▶ CONVEYDYN® has 1.8 times higher torque transmission capacity
- ▶ Less loss of speed and slippage



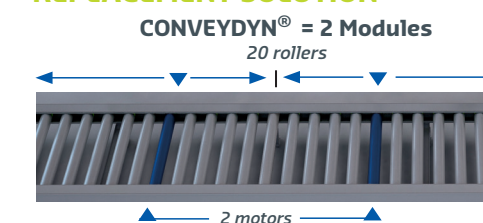
ROLLER CONVEYORS ARCHITECTURE

O-RINGS INSTALLATION



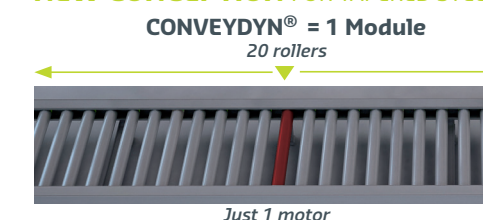
O-ring module = 2 motors for 20 slave rollers maximum

HUTCHINSON SOLUTIONS REPLACEMENT SOLUTION



- ▶ Use CONVEYDYN® instead of O-rings in same configuration to increase lifetime and save maintenance costs.

NEW CONCEPTION FOR TAPERED STEEL ROLLERS



- ▶ With CONVEYDYN® = only 1 motor for up to 20 slave rollers for same performances

TO GO FURTHER

- ▶ We help you designing an assembly tool to facilitate the installation of CONVEYDYN® belts.
- ▶ A complete Hutchinson belt range with CONVEYDYN® and Conveyxonic® belts.

	BELT DRIVE HEAD	CURVES CONVEYORS	NB OF SLAVE ROLLERS	PALLET CONVEYORS	NB RIBS ADAPTABILITY
O-RING	Round groove	++	Up to 10	N/A	N/A
CONVEYDYN®	Round groove	+++	Up to 20	N/A	N/A
CONVEYXONIC®	Ribbed	++	Up to 50	✓	✓
CONVEYXONIC®+	Ribbed	+++	Up to 50	✓	✓

- ▶ For conveyors with more than 20 slave rollers as well as high starting torque respectively accumulation speed, from small to very heavy load (up to 2T), we strongly recommend the use of our well-known and very successful Conveyxonic® or the new Conveyxonic®+ belt.

- ▶ As a security measure : a finger protection must be implemented.
- ▶ To define the CONVEYDYN® adapted to your conveyor please complete the Conveying TIF.

- ▶ Download our brand new Hutchinson CONVEYDYN® Wizard APP to predimension your CONVEYDYN® belt on roller conveyors.

