

NEW!



We make it **possible**

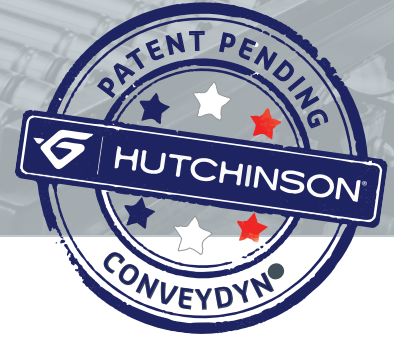


CONVEYDYN®

A NEW BELT DESIGN TO REPLACE O-RINGS
THE BELT THAT WAS MISSING FROM THE CONVEYING RANGE

The CONVEYDYN® is a new elastic power transmission belt, specially dedicated to roller conveyor 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



EXPERTISE

Hutchinson, a rubber specialist since 1853, is the inventor of conveyor elastic belt technology.

We are working with the **worldwide market leaders** of Roller Conveyors and **millions of Conveyxonic®** belts are already fitted on thousands kilometers of conveyors.

Our **technical teams** are working **in close collaboration** with the **experts of the conveyor market** to constantly improve our product performances.

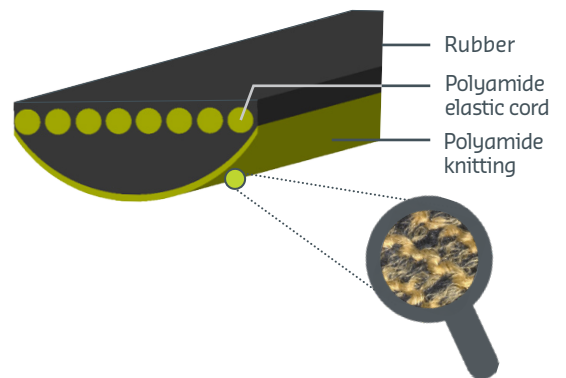


We have designed a brand new technology (patent pending) to optimize power transmission and overall performance in curves and straight lines compared to O-rings : the CONVEYDYN®.

The CONVEYDYN® can be fitted instead of O-rings without changing roller conveyors to benefit immediately of its great advantages.

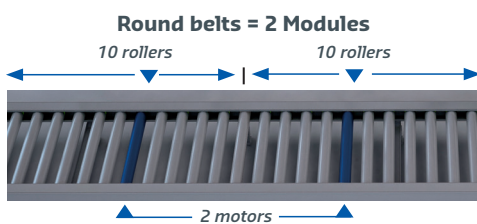
STRUCTURE

- **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 turn around of the belt
- **Molded belt** to increase lifetime



CONVEYOR ARCHITECTURE

O-RING EXISTING SOLUTION

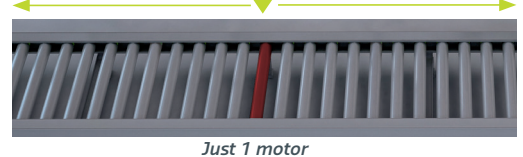


1 O-ring module = 1 motor in central position for **10 slave rollers maximum**

Available for **curve rollers**

NEW! HUTCHINSON SOLUTION

CONVEYDYN® = 1 Module
20 rollers



Just 1 motor

- 1 CONVEYDYN® module = 1 motor in central position for **20 slave rollers** for same performances
- Available for **curve rollers**

CONVEYDYN®

CHARACTERISTICS

	REACH	ANTISTATIC	ROHS
CONVEYDYN® RESISTANCE	✓	✓	✓



Cold resistant to -30°C

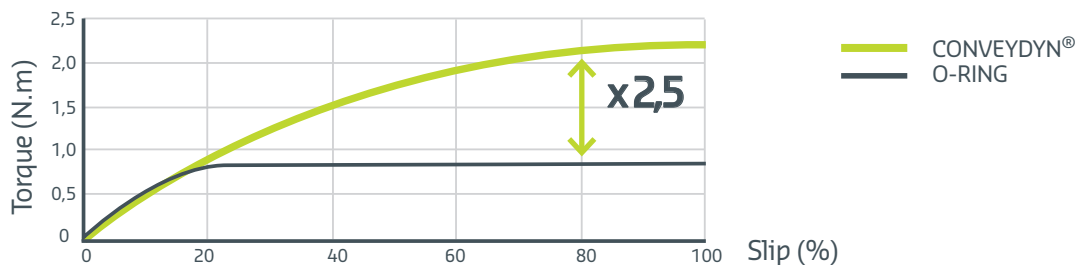


Temperature up to 80°C

BENEFITS COMPARE TO O-RING* AT ISO CONFIGURATION

*Tests carried out on our test rig on metal and PA rollers

CONVEYDYN® has 2.5 times higher torque transmission capacity



Less loss of speed and slippage

Speed gain of the module for same input power (compare to O-ring)

- 30 kg parcel : **7.4%** speed gain on the last roller
- 70 kg parcel : **63,3%** speed gain on the last roller

Gain in kWh for the same conveyor speed (compare to O-ring)

- 30 kg parcel on 1 km conveyor / 1 year = **10 000 kWh** saved (equivalent to **2 k€***)
 - 70 kg parcel on 1 km conveyor / 1 year = **200 000 kWh** saved (equivalent to **36 k€***)
- *0,18 € / kWh



Belt lifetime
on curve



Belt lifetime
on straight line



Cost savings
on motorized rollers

TO GO FURTHER

- An assembly tool is under design 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	✓	✓

- **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® belt.
- As a security measure : a finger protection must to be implemented.