



The revolution in roller conveyors

CONVEYXONIC™



The **ConveyXonic™** is a grooved, elastic transmission belt, applied lengthways.

It has been developed specially for roller conveyors. It is the only technology capable of transporting parcels weighing from 1 kg to 2 tonnes.

- **Cost savings**
- **Easy to use**
- **Technical performance**
- **Customer confidence**

➤ **Compound**

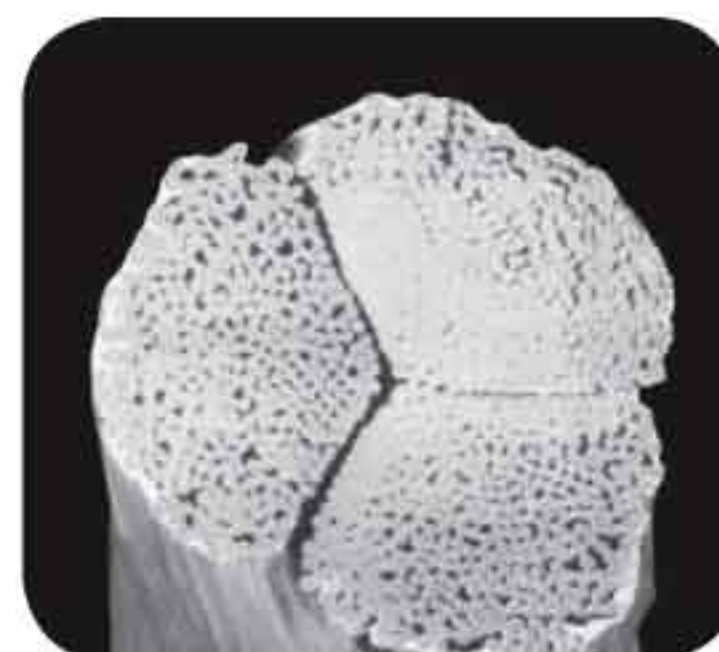
The polyamide elastic cord of the **ConveyXonic™** has outstanding mechanical properties. It can withstand temperatures of **more than 80°C**.

Hutchinson has developed a standard compound and a "cold-resistant" rubber compound capable of withstanding temperatures up to **80°C**. The cold-resistant **ConveyXonic™** works equally well with straight, curved or pallet conveyors.

Cold resistant to -30°C



Temperature up to 80°C



Hutchinson cord, patented technology

➤ **Properties**

The elasticity of the **ConveyXonic™** allows it to absorb shocks, unlike chains or synchronous belts. **ConveyXonic™** belts are **antistatic**. They comply with ISO 1813.

	Water	Alcohol	pH > 10	High-pressure washing	Corrosion
Resistance ConveyXonic	★★★★★	★★★★	★★★★	★★★★★	★★★★★

➤ **Power range**

Two profiles to cover a power range from 55 to 550 W and 0.10 m/s to 2 m/s.

The **ConveyXonic PJ** is designed for light loads from 1 to 400 kg for roller conveyors (1.9 inch pulley diameter). It easily outperforms round, urethane belts, with its 4-times higher transmission ratio.

Thanks to its 97% greater efficiency, the **ConveyXonic PK** can be used instead of chain and timing belts on roller conveyors for pallets (2.5 to 3.5 inch pulley diameters) and support loads from 300 kg to 2 tonnes.

Light loads



Heavy loads



BELT PROFILE	PJ (for light loads)		
Loads	1 to 200 kg	201 to 200 kg	301 to 400 kg
No. of ribs	2	3	4

BELT PROFILE	PK (for heavy loads)		
Loads	300 to 1,500 kg	1,501 to 2,000 kg	For more than 2,000 kg, please contact us.
No. of ribs	6	8	10

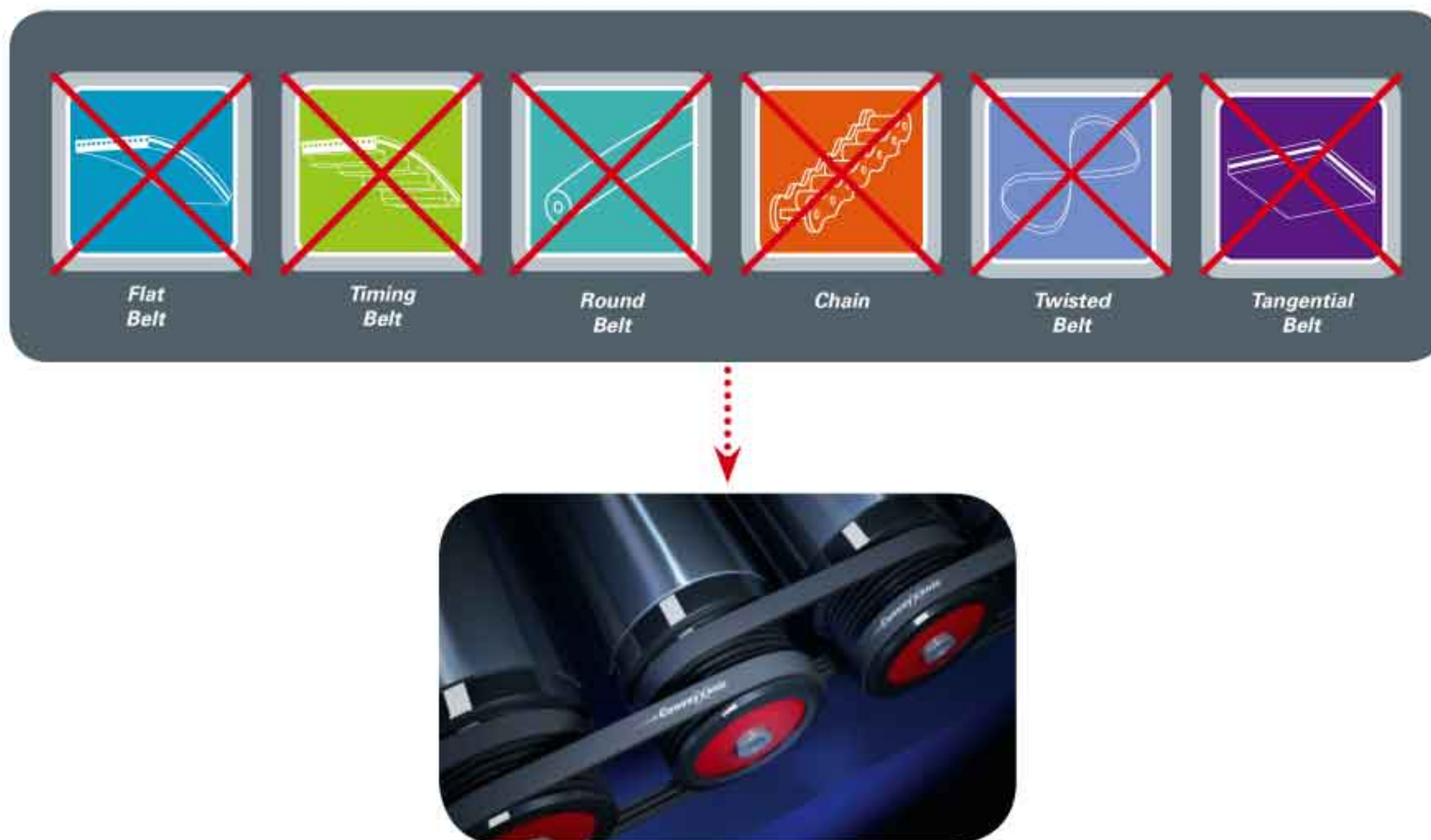


Technical performance

The **ConveyXonic™** is the **6-in-1** belt for transporting loads from **1 kg to 2 tonnes**, and thus replaces the six technologies used in the conveyor system (flat belt, round belt, timing belt, twisted belt, tangential and chain belt).

Increased speed:

The **ConveyXonic™** belt pushes the speed limits for parcel transport (up to 2 m/s for the PJ profile). It can be adapted to suit all linear speeds, making for **smooth transport**.



Cost savings

Motor:

The **ConveyXonic™** belt's exceptional mechanical properties mean that a **single motor is able to power** up to to a **maximum of 50 rollers**. Generating a saving of at least 30% on each module.

Low purchase cost: immediate savings.

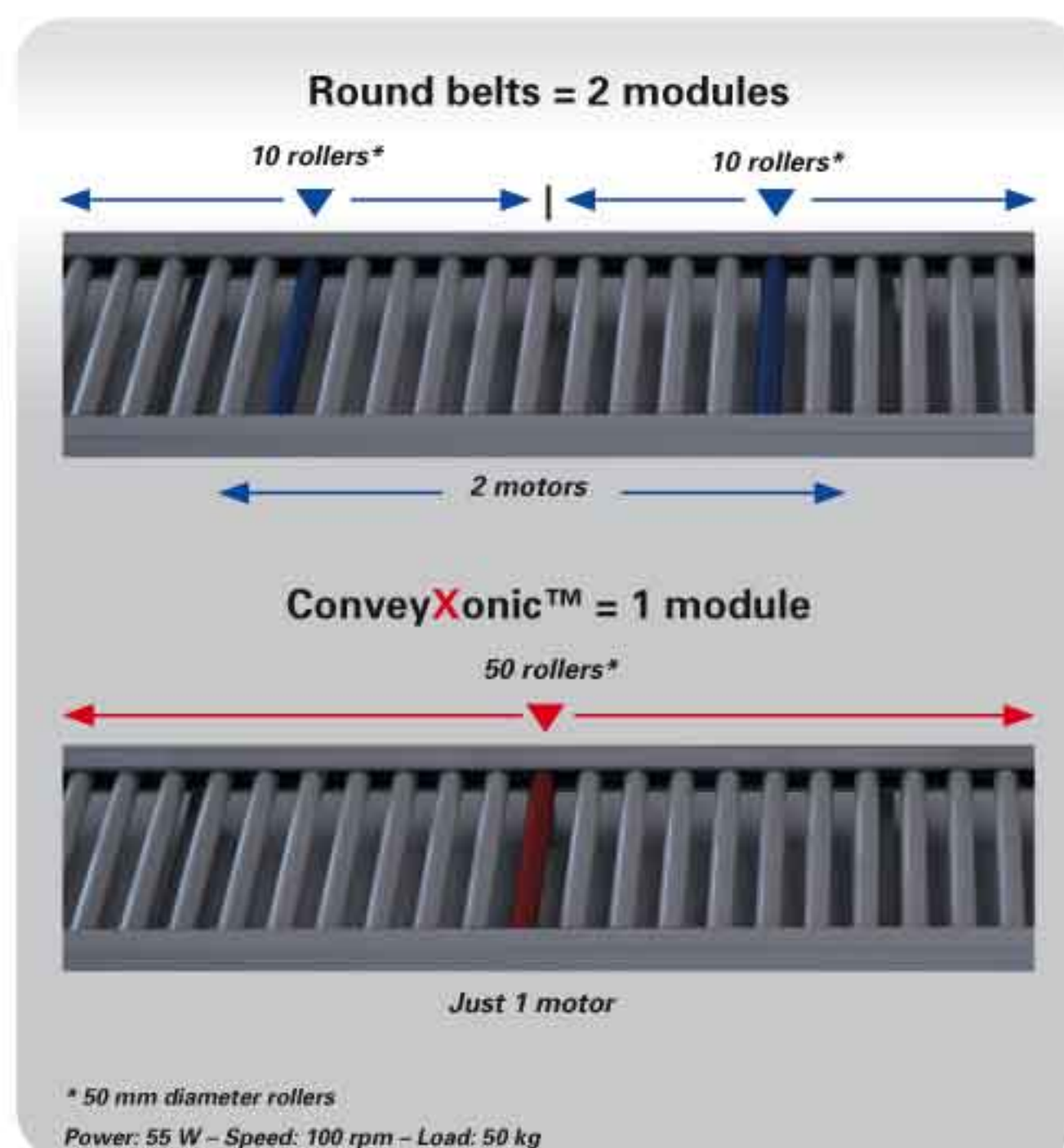
Electricity:

The efficiency of the **ConveyXonic™** reduces the motor's electrical consumption.

Stock:

Only one technology to stock:

In the case of light loads and depending on the weight of the load being transported, you change the number of ribs on the belt but always retain the same roller. Our complete range of **ConveyXonic™** belts is **readily available** from all our distributors.





Installation and maintenance

Installation of the **ConveyXonic™** belt is quick and easy.

Extra installation tools are available. Contact us if necessary.



The elasticity of the **ConveyXonic™** belt means generous **installation tolerances**.

➤ Hidden costs disappear:

No lubrication, no corrosion, no belt tightening and retightening, no maintenance.



Customer confidence



Clean:

The **ConveyXonic™** belt does not need **any special maintenance**. **No maintenance, no greasing, so the conveyor stays clean.** There is nowhere for dust to accumulate. The grooved profile of the **ConveyXonic™** drains off water, which keeps the belts dry.



Reliability:

The **ConveyXonic™** has an average service life of **7 years** (under the usage conditions recommended by Hutchinson). The tension remains the same, for the entire life of the belt, thereby making maintenance unnecessary.



Noise:

Thanks to the elastic properties of its side guides, the **ConveyXonic™** prevents the belt jumping and **reduces irritating noise** by absorbing shocks, vibrations and flapping. The grooves in the **ConveyXonic™** make the **transmission very silent**, whatever speed the conveyor is operating at.



Yield:

No more chain stops; the **ConveyXonic™** can now operate non-stop 24/7 in complete silence.



Safety:

A number of safety features are available on the market to meet the requirements of your conveyor. Please contact us for more information.

Applications

The **ConveyXonic™** belt can also be installed on pallet conveyors. It can also be adapted to suit many special applications.

Light loads



For light loads

Multi-level conveyors: Efficient use possible at an angle of 10° maximum.

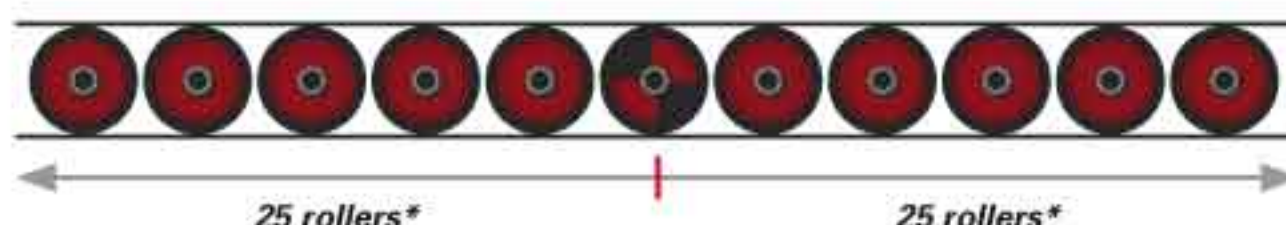
Accumulation: Accumulation rollers with grooved profiles

are now available for use with the **ConveyXonic™**.

Line shaft: This technology can be replaced by the **ConveyXonic™**.



This device is also designed for curved conveyor systems.



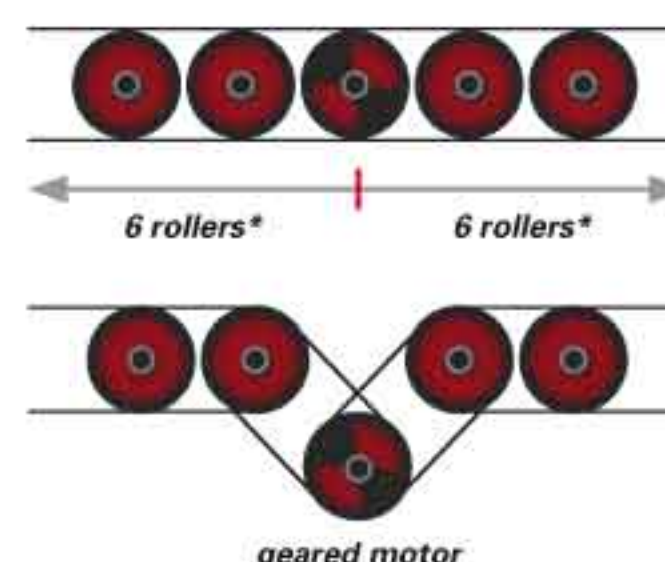
* 50 mm diameter rollers

Heavy loads



For heavy loads

The **ConveyXonic™** belt can also be installed on pallet conveyors.



As a partner and designer of solutions, we can help you meet your design parameters: line transfers, sorters, very light load conveyors, special geometries, etc.

Don't hesitate to contact us to discuss your conveyor needs!

Wizard ConveyXonic™ – Quick selection guide

The Wizard **ConveyXonic™** from Hutchinson is a **free, simple and quick selection guide** for your **ConveyXonic™**.

- You choose the type of roller conveyor (straight, curved or pallet).
- You enter the load to be transported and the desired flow speed.

The Wizard then recommends the **ConveyXonic™** belt best suited to your needs.

The Wizard **ConveyXonic™** is widely used by manufacturers of transport and component systems. Send your enquiry to our web site at hutchinsontransmission.com



Our skills centers

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CONVEYXONIC™



PJ ConveyXonic calculated for 50 mm diameter rollers and 43 mm pulleys.

PJ PROFILE				
Nominal center distance		ConveyXonic™		
(inches) Tolerance : -0.04"/ +0.12"	(mm) Tolerance : -1/ +3	2 ribs 1 - 200 Kg	3 ribs 201 - 300 Kg	4 ribs 301 - 400 Kg
2,165"	55	PJ246		
2,362"	60	PJ256		
2,637"	67	PJ270		
2,874"	73	PJ282		
3,000"	75	PJ286		
3,071"	78	PJ288		
3,149"	80	PJ290		
3,267"	83	PJ302		
3,543"	90	PJ314		
3,700"	94	PJ316		
4,000"	100	PJ336		
4,133"	105	PJ346		
4,330"	110	PJ348		
4,724"	120	PJ376		
5,236"	133	PJ416		
5,905"	150	PJ435		
6,300"	160	PJ456		
6,889"	175	PJ486		
9,842"	250	PJ636		
12,007"	305	PJ746		

For loads greater than 300 Kg, use the PK profile or consult us.



PK ConveyXonic calculated for 89-90 mm diameter rollers and 80 mm pulleys, using 6 rollers.

PK PROFILE				
Nominal center distance		ConveyXonic™		
(inches) Tolerance : -0.04"/ +0.12"	(mm) Tolerance : -1/ +3	6 ribs 300 - 1 500 Kg	8 ribs 1 501 - 2 000 Kg	10 ribs Greater than 2 000 Kg
5,709"	145	PK541		
6,299"	160	PK573		
6,654"	169	PK589		
7,087"	180	PK611		
7,874"	200	PK651		
8,858"	225	PK701		
9,843"	250	PK751		
11,811"	300	PK851		

For loads greater than 2T, consult us.

Feel free to contact us for other center distance!



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