

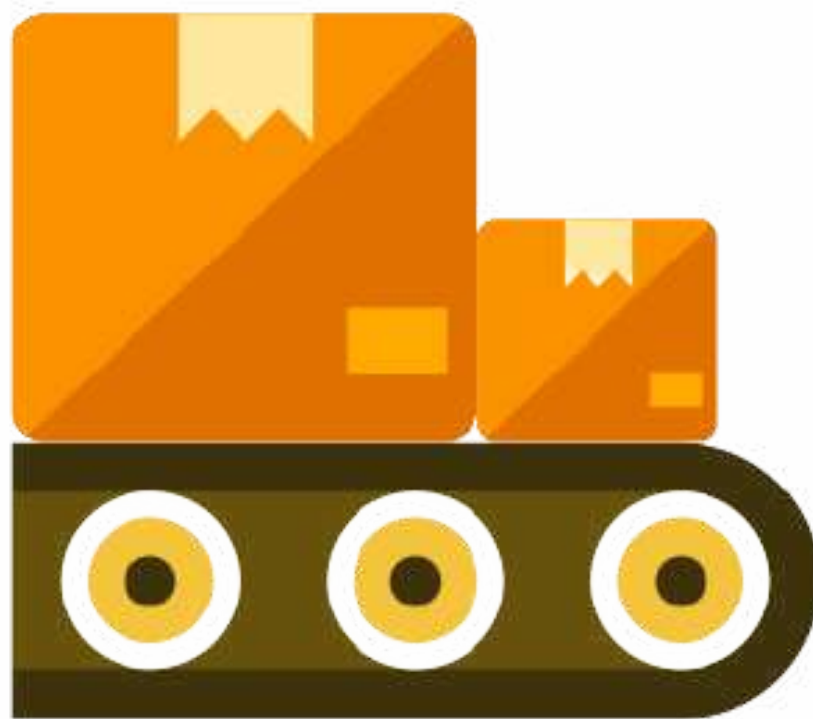


RAVIZZA PACKAGING USA

— bagging machines —

CONVEYORS

PRODUCT OVERVIEW



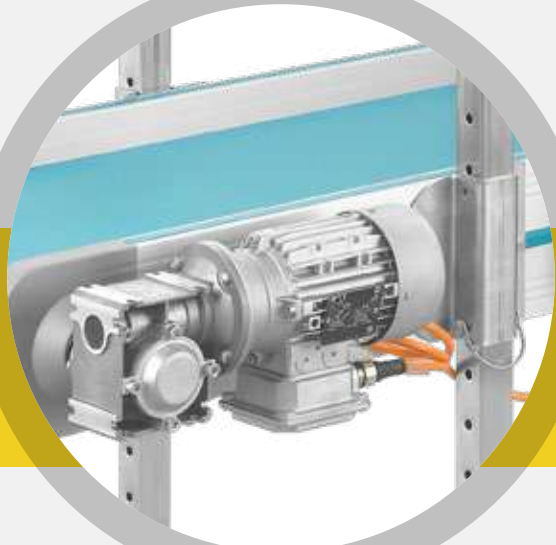
**CUSTOMIZED PACKAGING
SOLUTIONS**





/ GREEN DEAL | A new philosophy

Conveyors



NEW CONFIGURATION DRIVE UNITS

- World-wide assistance and reliability
- + Efficiency
- Power required = 33% energy saving

NEW BELT SPECIFICATIONS

- + Quality and longer product life cycle
- Less plastic waste



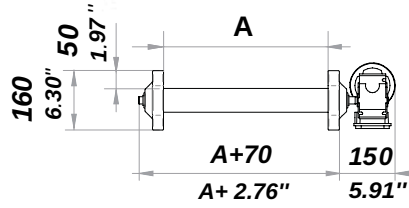
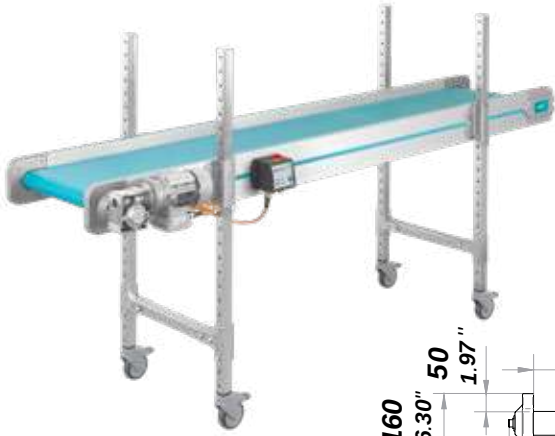
NEW SIDE CONTAINMENT PANELS AND PIVOTS IN DIE-CAST ALUMINIUM

- + Mechanical strength and sturdiness
- + Improved dispersion of electrostatic charges
- Environmental impact



**Images and descriptions are only representational, not binding for orders and/or projects and can change at any time without notice. We have available a wide range of technical solutions for conveying, both standard and customized.*

N-PA Flat conveyor



DRIVE UNIT

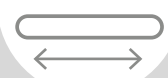
- **Power:** 0.12 kW
- **Speed:** 3.5 m/min fixed - 137.80"/min fixed
- **Voltage:** 110V / 50-60 Hz standard; different voltage upon request

CONVEYOR BELT

- PU coating hardness: 92 Shore A
- Contact temperature: -10 + 110°C / 14 to 230°F
- Operating temperature: -10 + 90°C / 14 to 194°F

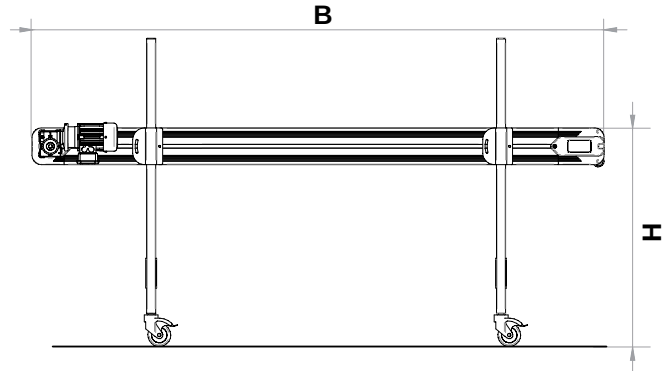
Length

From 1 to 6 m /
From 39.37" to 236.22"



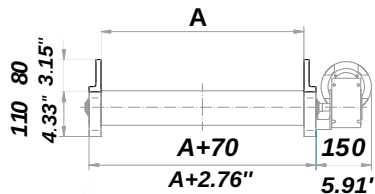
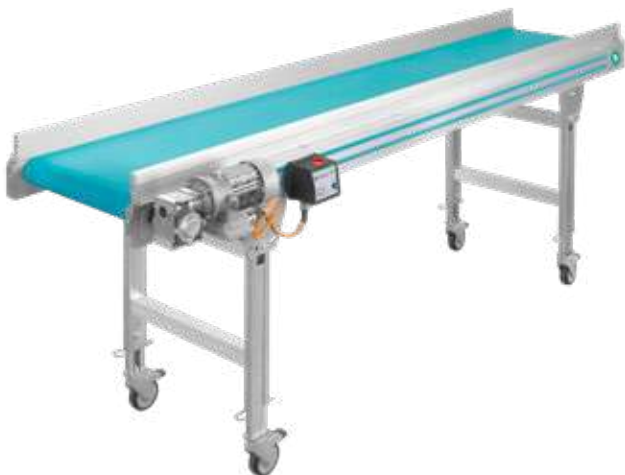
Capacity

Total
KG. **50**
110 dv



A	B	H
min 240 mm / 9.45"	min 2000 mm / 78.74"	min 400 mm / 15.75"
max 940 mm / 37.00"	max 6000 mm / 236.22"	max 1200 mm / 47.24"

PA 110



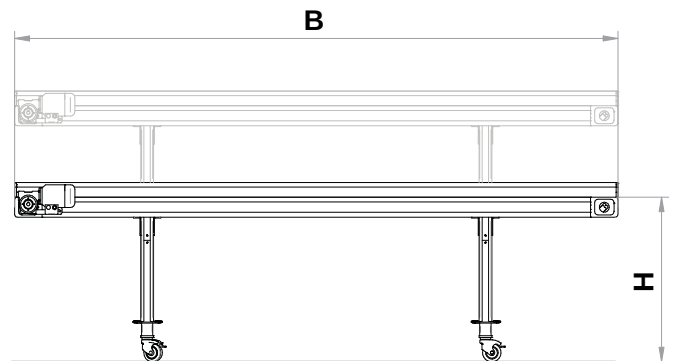
Length

From 1 to 20 m /
From 3 to 65 ft



Capacity

Total
KG. **200**
0 dv



DRIVE UNIT

- **Power:** 0.12 kW
- **Speed:** 4.5 m / min fixed - 177.17" / min fixed
- **Voltage:** 110V / 50-60 Hz standard; different voltage upon request

CONVEYOR BELT

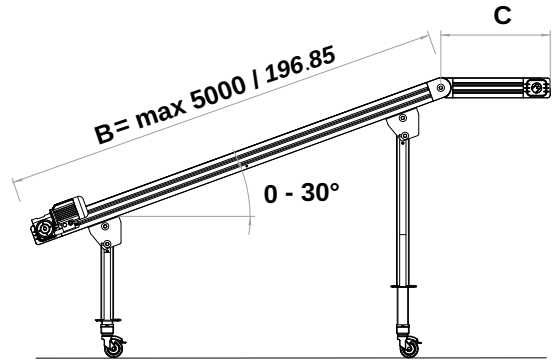
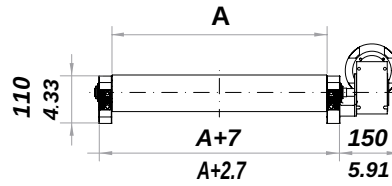
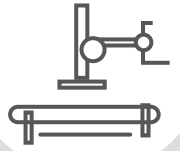
- PU coating hardness: 92 Shore A
- Contact temperature: -10 + 110°C / 14 to 230°F
- Operating temperature: -10 + 90°C / 14 to 194°F

A	B	H
min 100 mm / 3.94"	min 600 mm / 23.62"	min 200 mm / 7.87"
max 2000 mm / 78.74"	max 20 m / 787.40"	max 2000 mm / 78.74"

PAR

Conveyor with adjustable upper section

→ ROBOTICS



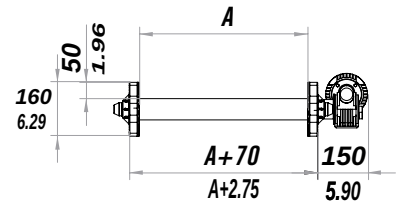
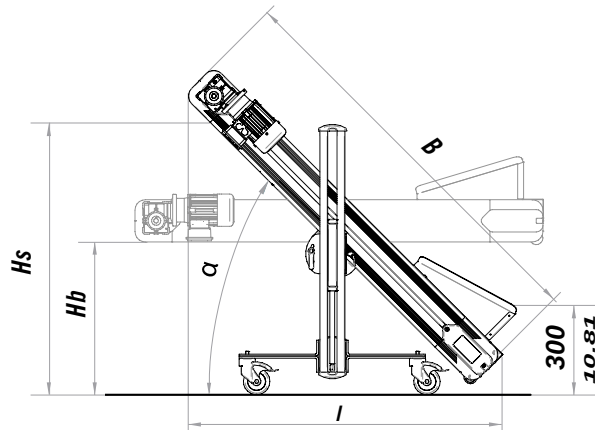
- Power: 0.12 kW
- Speed: 4.5 m / min fixed - 177.17" / min fixed
- Voltage: 110V / 50-60 Hz standard; different voltage upon request
- High-grip belt in PVC

A	B	C
min 100 mm / 3.94"	min 600 mm / 23.62"	min 600 mm / 23.62"
max 1200 mm / 47.24"	max 5000 mm / 196.85"	max 1000 mm / 39.37"

N-TR

Adjustable incline conveyor

→ NEXT TO IMM



- Power: 0.12 kW
- Speed: 3.5 m - 11.48ft / min. fixed
- Voltage: 110V / 50-60 Hz standard; different voltage upon request
- PU belt : with h 35mm/1.37" slats, pitch 400 mm/15.74"

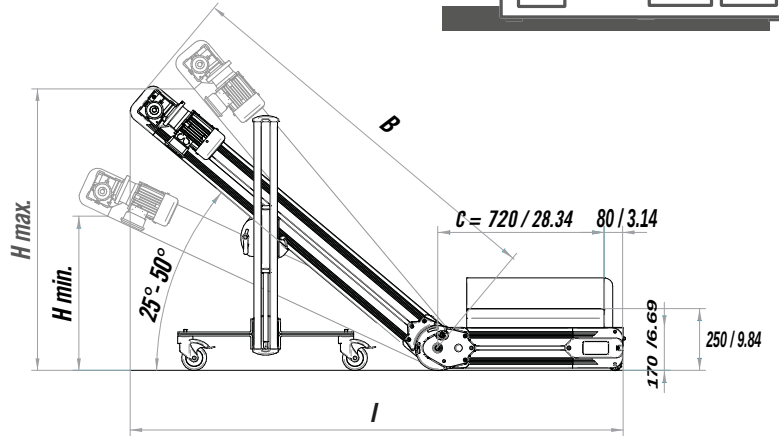
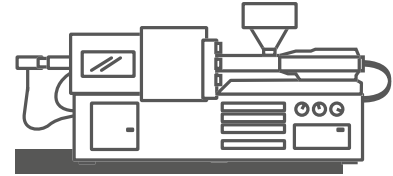
	A	B	α	Hb	Hs
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N-TR 3/15	340 mm / 13.38"	1500 mm / 59.05"	0° - 45°	550 mm / 21.65"	900 mm / 35.43"
N-TR 3/20	340 mm / 13.38"	2000 mm / 78.74"	0° - 40°	550 mm / 21.65"	1100 mm / 43.30"
N-TR 3/25	340 mm / 13.38"	2500 mm / 98.42"	0° - 35°	550 mm / 21.65"	1250 mm / 49.21"
N-TR 4/15	440 mm / 17.32"	1500 mm / 59.05"	0° - 45°	550 mm / 21.65"	900 mm / 35.43"
N-TR 4/20	440 mm / 17.32"	2000 mm / 78.74"	0° - 40°	550 mm / 21.65"	1100 mm / 43.30"
N-TR 4/25	440 mm / 17.32"	2500 mm / 98.42"	0° - 35°	550 mm / 21.65"	1250 mm / 49.21"
N-TR 5/20	540 mm / 21.25"	2000 mm / 78.74"	0° - 40°	550 mm / 21.65"	1100 mm / 43.30"
N-TR 5/25	540 mm / 21.25"	2500 mm / 98.42"	0° - 35°	550 mm / 21.65"	1250 mm / 49.21"
N-TR 5/30	540 mm / 21.25"	3000 mm / 118.11"	0° - 30°	550 mm / 21.65"	1350 mm / 53.14"

N-CPR

Series with **directional change and adjustable incline**

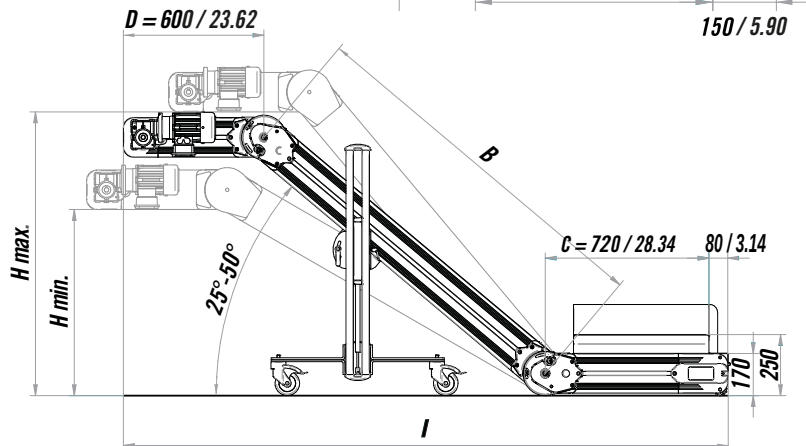
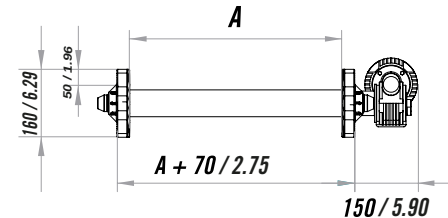
→ IMM: 80/250 tons



- **Power:** 0.12 kW
 - **Speed:** 3.5m - 11.48ft / min fixed
 - **Voltage:** 110V / 50-60 Hz standard; different voltage upon request
 - **PU belt:** with h 35mm/1.37" slats, pitch 400mm/15.74"
- NOTE:** Dim. Max B+C = 6000 mm / 236.22"

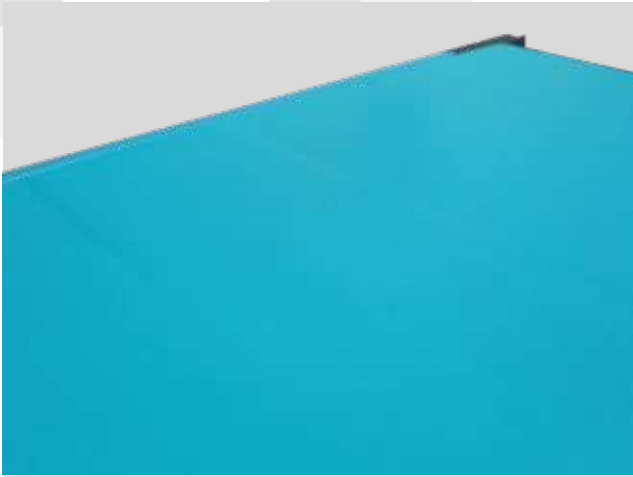
	A	B	H min (25°)	H max (50°)	I (40°)
N-CPR.0	140mm / 5.51"	1500mm / 59.05"	550mm / 21.65"	1000mm / 39.37"	2000mm / 78.74"
N-CPR.1	240mm / 9.44"	1500mm / 59.05"	550mm / 21.65"	1000mm / 39.37"	2000mm / 78.74"
N-CPR.2	340mm / 13.30"	1800mm / 70.86"	650mm / 25.59"	1250mm / 49.21"	2250mm / 88.58"
N-CPR.3	440mm / 17.32"	2000mm / 78.74"	750mm / 29.52"	1400mm / 55.11"	2400mm / 94.48"
N-CPR.4	540mm / 21.25"	2000mm / 78.74"	750mm / 29.52"	1400mm / 55.11"	2400mm / 94.48"

N-CPTR



- **Power:** 0.12 kW
 - **Speed:** 3.5m - 11.48ft / min fixed
 - **Voltage:** 110V / 50-60 Hz standard; different voltage upon request
 - **PU belt:** with h 35mm/1.37" slats, pitch 400mm/15.74"
- NOTE:** Dim. Max B+C = 6000 mm / 236.22"

	A	B	H min (25°)	H max (50°)	I (40°)
N-CPTR.0	140mm / 5.51"	1500mm / 59.05"	550mm / 21.65"	1000mm / 39.37"	2000mm / 78.74"
N-CPTR.1	240mm / 9.44"	1500mm / 59.05"	550mm / 21.65"	1000mm / 39.37"	2000mm / 78.74"
N-CPTR.2	340mm / 13.30"	1800mm / 70.86"	650mm / 25.59"	1250mm / 49.21"	2250mm / 88.58"
N-CPTR.3	440mm / 17.32"	2000mm / 78.74"	750mm / 29.52"	1400mm / 55.11"	2400mm / 94.48"
N-CPTR.4	540mm / 21.25"	2000mm / 78.74"	750mm / 29.52"	1400mm / 55.11"	2400mm / 94.48"



○ STD SMOOTH BELT IN PU



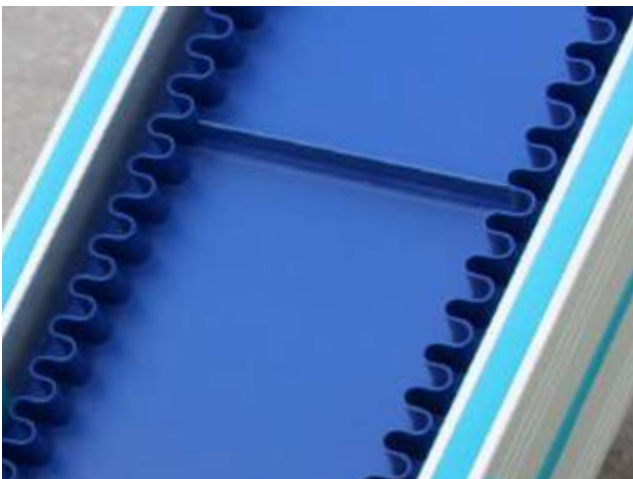
○ SMOOTH BELT IN PU WITH SLATS



○ HIGH-GRIP BELT IN PU



○ WHITE BELT IN PU WITH SLATS



○ BLUE BELT IN PU WITH SPONDAFLEX



○ WHITE BELT IN PU WITH SPONDAFLEX

○ STANDARD PLASTIC BELT



○ STANDARD METAL BELT (HIGH-GRIP)



○ GREY PLASTIC BELT



○ SMOOTH METAL BELT



○ Torque wrench



- to test the tension of PLASTIC AND METAL BELTS
- CHECK TIMING: see instruction and maintenance manual

○ HIGH-GRIP PERFORATED METAL BELT



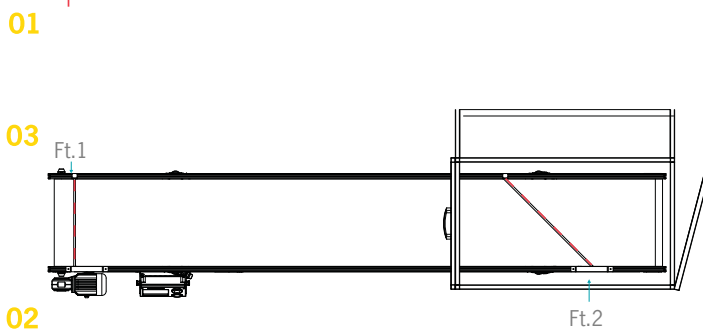
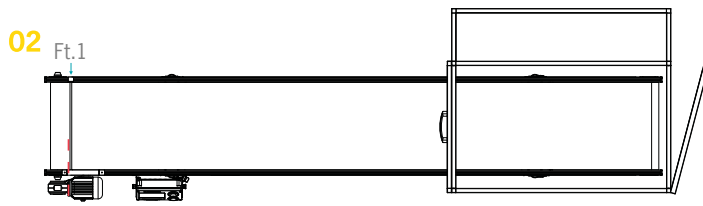
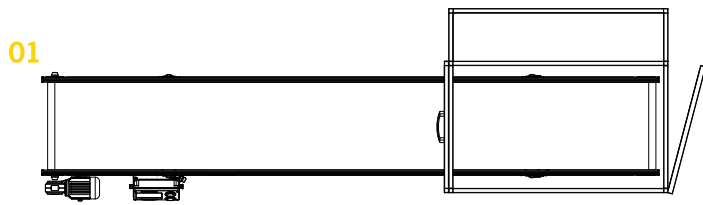
○ PERFORATED PLASTIC BELT



○ METAL MESH BELT



Standard logics functionalities installed in the top control panel between conveyor and robot.



02

03

01 ROBOT/PULSE Program

- A robot releases the product on the conveyor and sends a voltage-free A/C signal to the control panel, activating the belt.
- Run time of the conveyor is adjustable.
- When the run time ends, the conveyor stops and waits for the next signal from the robot.

02 ROBOT/PULSE Program + Photocell Ft.1

- In addition to program 01, a photocell is positioned at the end of the conveyor as an overflow function.
- When the product enters its visual field, the photocell Ft.1 sends a signal to the control panel which activates the alarm and stops the conveyor.

03 ROBOT/PULSE Program + Photocell Ft.1 and Ft.2

- In addition to programs 01 and 02, there is a third photocell Ft.2 that checks the robot deposit area for any obstruction. If any object is detected, the robot movement is disabled.

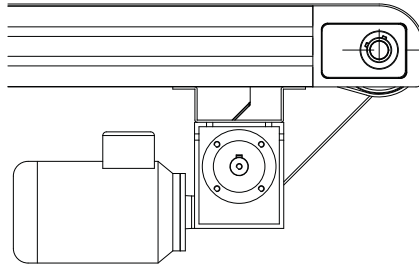


PA Conveyor working with a robot

- The photo shows the installation of a PA conveyor on a IMM connected to two robots.
- The application accumulates the products one on top of each other in a determined number of rows. Advancement of the conveyor is timed by the control panel (see program 01).

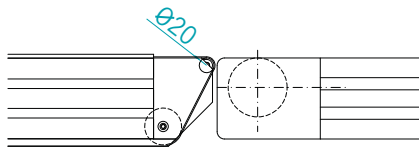
T1

- Head roller diameter 120 mm.
- Used with products with dimensions greater than the width of the conveyor.
- The belt runs above the conveyor main side frame.



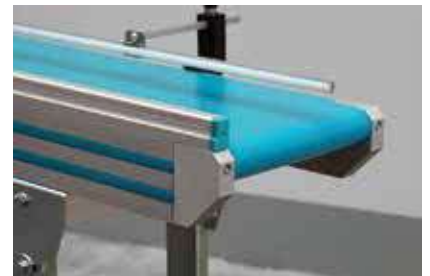
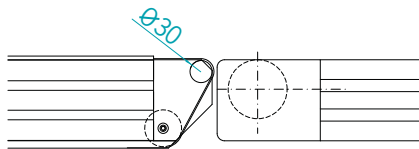
T2

- Head roller diameter 20 mm.
- This solution facilitates the passage of small products from one conveyor to another.



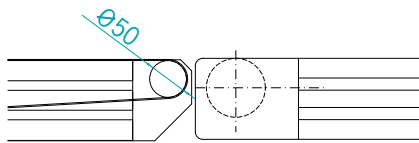
T3

- Head roller diameter 30 mm.
- This solution facilitates the passage of small products from one conveyor to another.



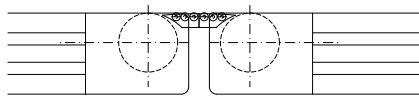
T4

- Head roller diameter 50 mm.
- This solution facilitates the passage of small products from one conveyor to another.



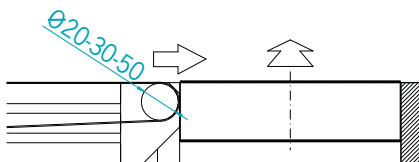
T5

- Head roller complete with roller inserts.
- This solution facilitates the passage of small products from one conveyor to another as long as the surface of the product resting on the conveyor is perfectly flat.



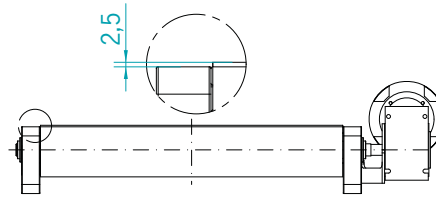
T6

- Example of orthogonal passage between two conveyors.
- This option requires the product shape information to better optimize "product conveying"



S1

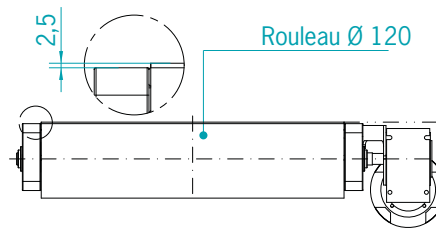
- PA without side panels.
- Used when workers are directly above the conveyor.
- When the product width is greater than that than the conveyor belt and it is removed before reaching the end of the conveyor gear motor assembly.



← Only for PA

S2

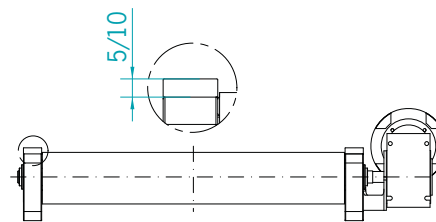
- PA without side panels and with motor under the belt.
- For conveying products with dimensions greater than the conveyor width.



← Only for PA

S3

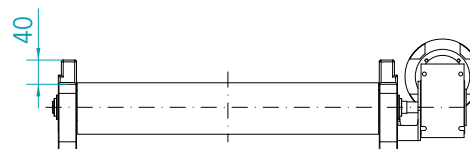
- PA with side panels made of 5/10 mm thick Polyzene plate.
- This solution is for large size and high speed products that require a minimum containment on the belt.



← Only for PA

S4

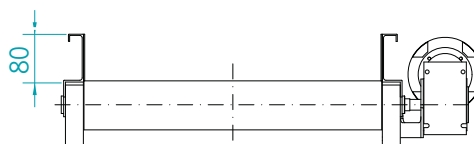
- PA with h. 40 mm side panels.
- Solution proposed when side panels are required, limiting the height of the conveyor.



← PA and PA-180

S5

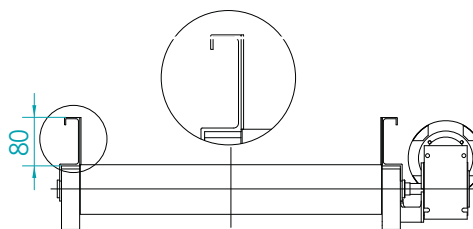
- PA with h. 80 mm side panels.
- Solution for allowing top installation of:
 - protective polycarbonate or aluminium sheet guards;
 - tunnel for cooling the product.



← Only for PA

S6

- PA with h. 80 mm Teflon-coated side panels.
- Solution for a fragile product where even the slightest contact with the aluminium side panels can damage it.

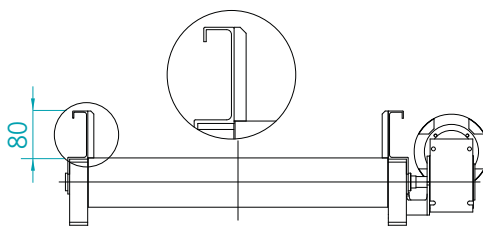


← Only for PA

SIDE PANELS

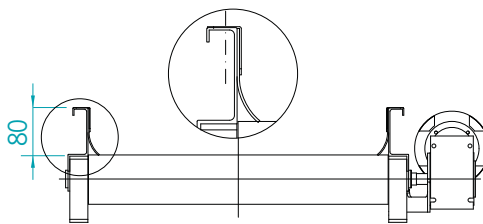
S7

- 80 mm h. side panels with polyzene inner cladding.
- Solution for food/pharmaceutical products when contact with non-FDA approved surfaces is needed.



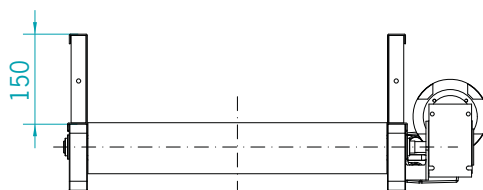
S8

- Side panels made of AISI 304 stainless steel h. 80 mm complete with shim strip.
- Solution to be proposed when the food/pharmaceutical product must not come in contact with non-FDA surfaces.
- The shim strips ensure side sealing between the sides and the belt.



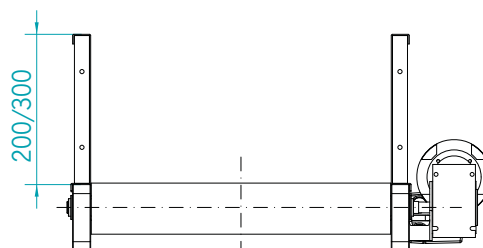
S9

- Side panels made of AISI 430 stainless steel h. 150 mm.
- For conveying products in large sizes and/or quantities.



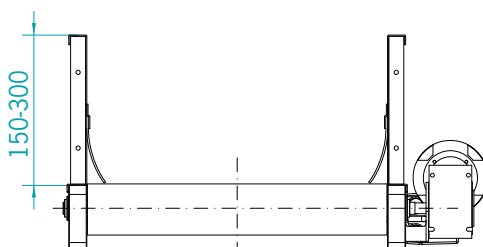
S10

- Side panels made of AISI 430 stainless steel h. 200/300 mm.
- For conveying products in large sizes and/or quantities.



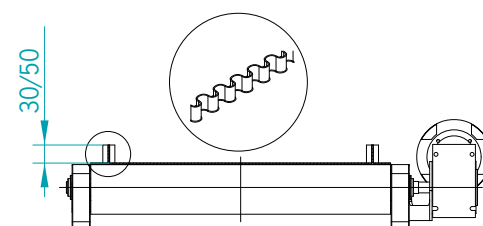
S11

- Sides made of AISI 430 stainless steel h. 150/200/300 mm complete with shim strips.
- For conveying products in large sizes and/or quantities.
- The shim strips ensure side sealing between the sides and the belt.



S12

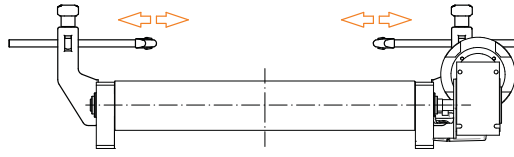
- Belt with lateral Sponda flex.
- Solution for small, sharp or thin part.



SIDE PANELS

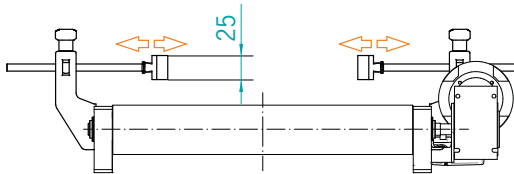
S13

- Polyzene side panels adjustable for width.
- For conveying and guiding containers and/or products of different dimensions.



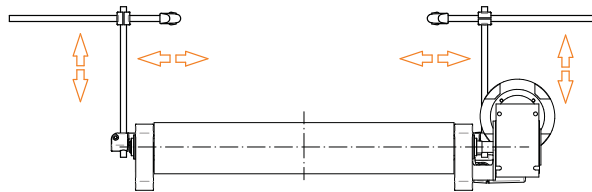
S14

- Polyzene side panels adjustable for width.
- For conveying and guiding containers and/or products of different dimensions.



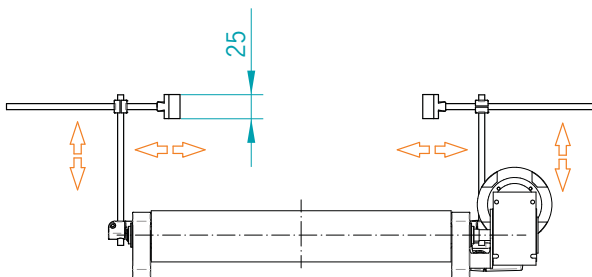
S15

- Polyzene side panels which can be adjusted for width and height.
- For conveying and guiding containers and/or products of different dimensions.



S16

- Polyzene side panels which can be adjusted for width and height.
- For conveying and guiding loose medium and large sized products.



S17

- Central partitions which can be adjusted for height and width.
- For conveying different products at the same time without mixing them.

