

Summary of all Roller Conveyor Types



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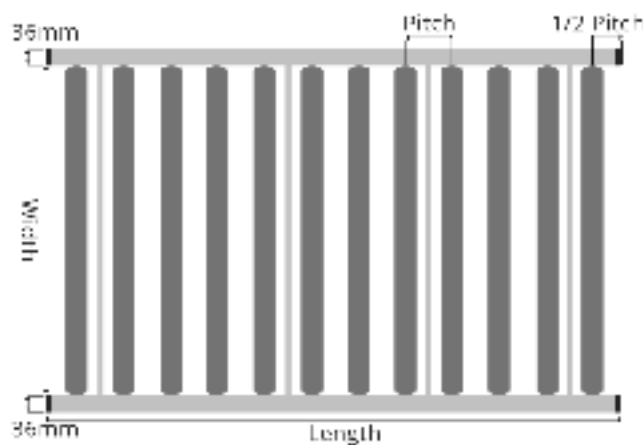
1. Non-powered roller conveyors

1.1 General information

This conveyor transports materials either manually or via gravity down a slope and is used as an assembly and picking line. PVC side cover caps both sides included. Frame built up out of anodised extrusion aluminium profiles.

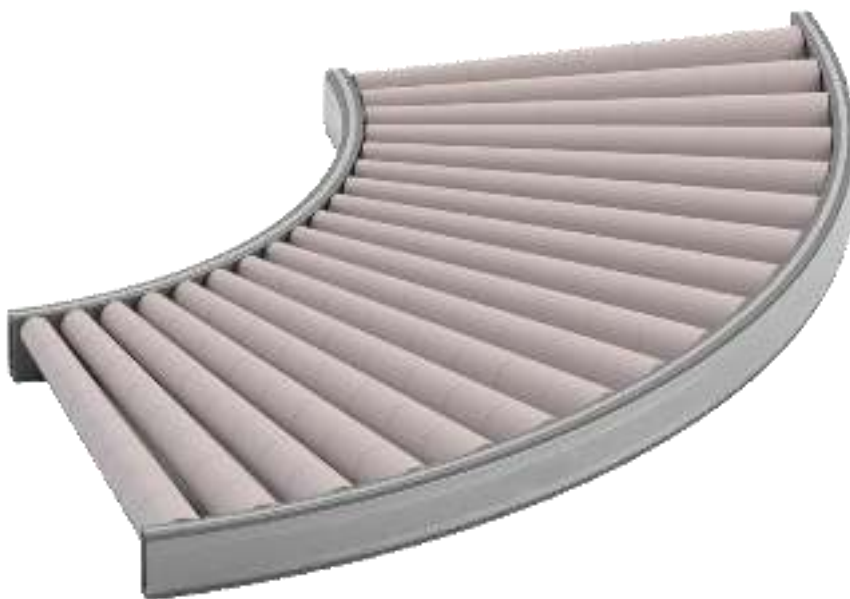
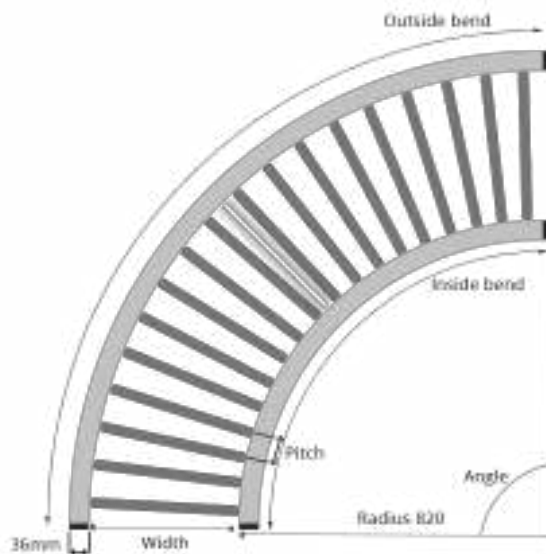
1.2 Non-powered roller conveyor straight

General data	
Max. load capacity	50 kg/m
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Roller diameter	50mm
Roller pitch	60mm, 90mm, 120mm
Roller material	Zinc plated steel or plastic



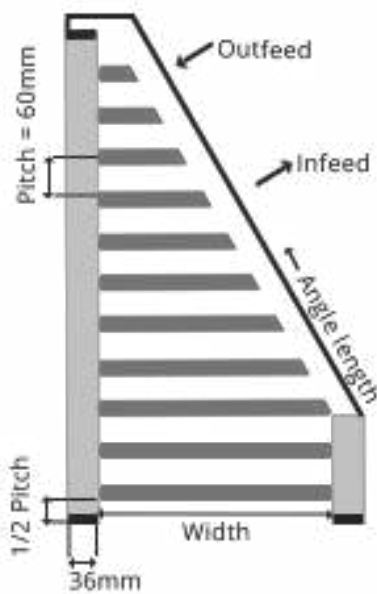
1.3 Non-powered roller conveyor curved

General data	
Max. load capacity	50 kg/m
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°/60°/90°
Roller diameter	50mm (+ conical sleeve)
Roller pitch	54mm (3,75°), 72mm (5°)
Roller material	Zinc plated steel with plastic conical sleeve



1.4 Non-powered roller conveyor merge

General data	
Max. load capacity	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°
Roller diameter	50mm (+2mm friction sleeve)
Roller pitch	60mm
Roller material	Zinc plated steel with PVC friction sleeve



2. 24V Drive control roller conveyor

2.1 General information

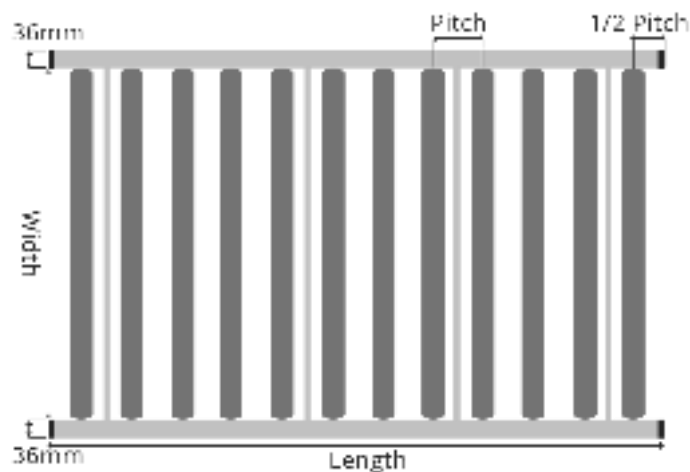
This conveyor serves as a transport conveyor of unit loads with the help of a E-qube Ai drive controller. Each section is powered by a driveroller that is connected to a fixed number of slave rollers via round belts. 1 e-qube can control 1 driveroller. PVC side cover caps on both sides included. Frame built up out of anodised extrusion aluminium profiles.

2.2 24V Drive control roller conveyor straight

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Zone length	Number of rollers x Pitch (max. 12 rollers)
Number of driverollers	1 per zone
Roller diameter	50mm
Roller pitch	60mm, 90mm, 120mm
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

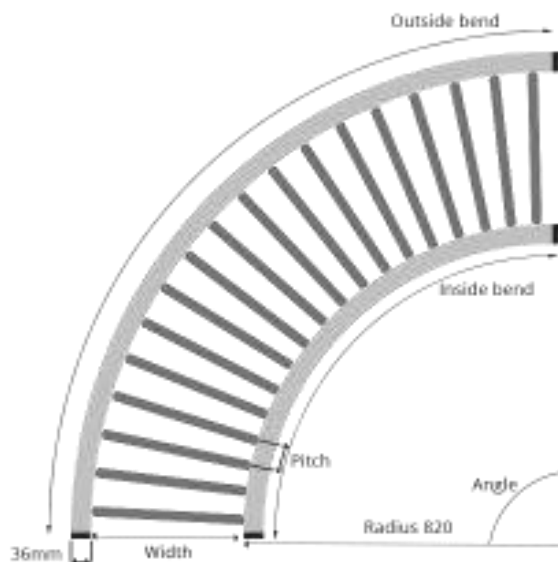


2.3 24V Drive control roller conveyor curved

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°/60°/90°
Number of driverollers	1 driveroller: 30°/45°/60°, 2 driverollers: 90°
Roller diameter	50mm (+ conical sleeve)
Roller pitch	54mm (3,75°), 72mm (5°)
Roller material	Zinc plated steel with plastic conical sleeve
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

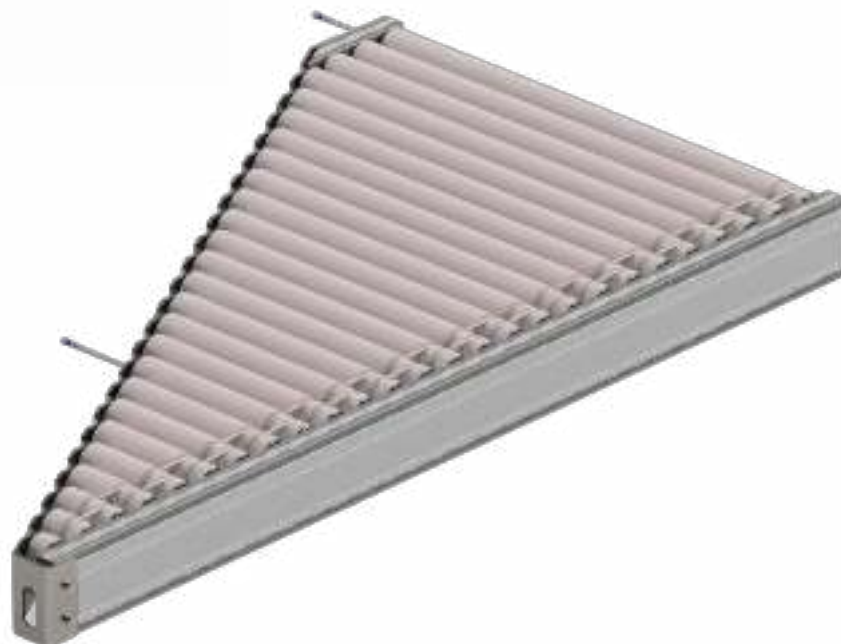
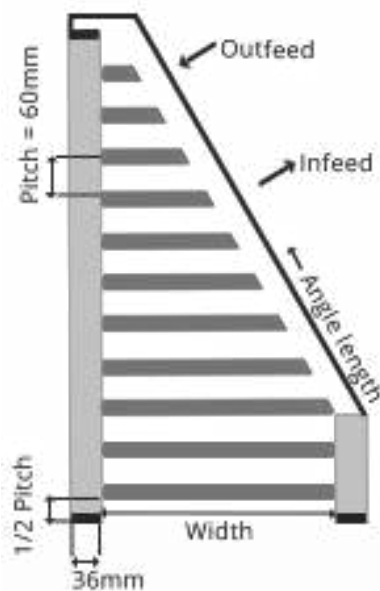


2.4 24V Drive control roller conveyor merge

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°
Number of driverollers	1 or 2, dependent on width and angle
Roller diameter	50mm (+2mm friction sleeve)
Roller pitch	60mm
Roller material	Zinc plated steel with friction sleeve
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



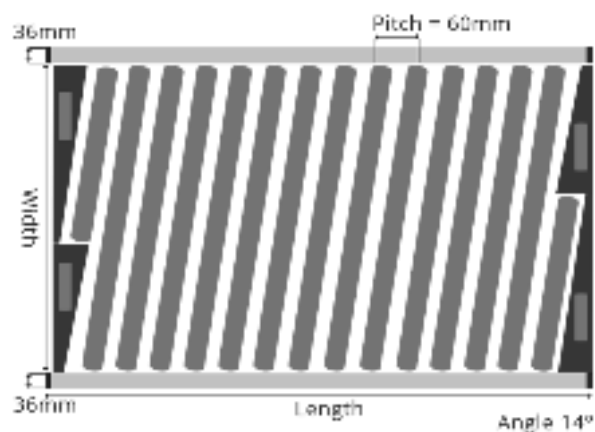
2.5 24V Drive control roller conveyor skewed

This conveyor serves as an alignment section.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Conveyor length	900mm
Number of driverollers	2 (1 zone)
Roller diameter	50mm
Roller pitch	60mm
Roller angle	14°
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



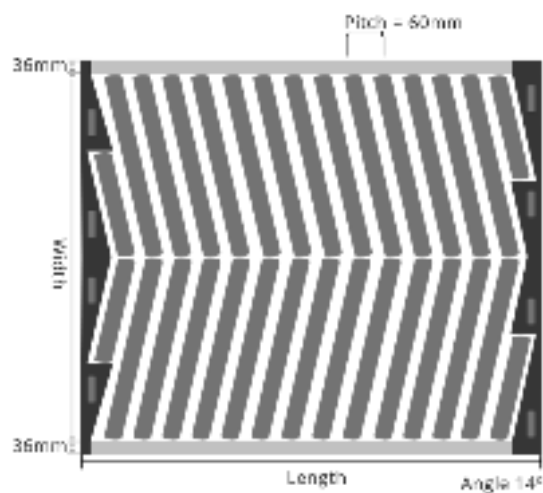
2.6 24V Drive control centering conveyor

This conveyor serves as an alignment section to align products into the centre. The conveyor is divided into 6 sections which can be individually configured to rotate, separate and align packages.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	840mm, 1240mm, 1640mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Conveyor length	2220mm
Number of driverollers	6
Roller diameter	50mm
Roller pitch	60mm
Roller angle	14°
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



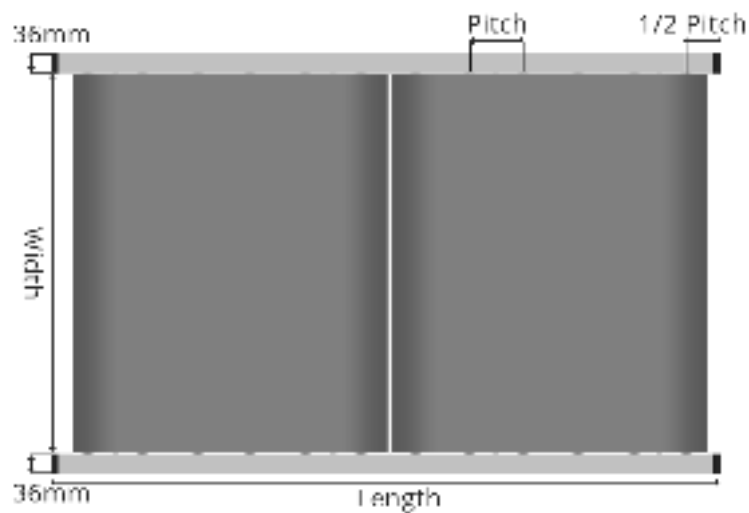
2.7 24V Drive control belt over roller conveyor

This conveyor serves as a belt conveyor. It is possible to transport small products, as well as products not suitable for roller tracks. Also suitable for reversing operation.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Zone length	Number of rollers x Pitch (max. 12 rollers)
Number of driverollers	1 per zone
Roller diameter	50mm
Roller pitch	60mm, 90mm
Roller material	Zinc plated steel
Belt support	Rollers
Drive medium	2 layer diamond pattern PU Belt, with steering string on the bottom

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



3. 24V Zone control roller conveyor

3.1 General information

These conveyors enables zero pressure accumulation transport of unit loads with the help of a Conveylinx Ai2 zone controller. Each zone is powered by a drive roller that is connected to a fixed number of slave rollers via round belts. Each zone is provided with sensor, reflector, brackets and wiring. 1 Conveylinx Ai2 can control 2 drive rollers and 2 sensors. Wiring from drive roller to zone control. Ethernet cable from zone control to zone control. PVC side cover caps both sides included. Frame built up out of anodised extrusion aluminium profiles.

Information zone controller Conveylinx Ai2:

- Four connections for incoming and outgoing signal.
- All zone control exchange information via a pre-installed data cable.
- Communicates with its adjacent zones via a 4-wire data cable. This cable transmits signals to start, stop, detect errors or conduct certain control procedures along the conveying system.
- ConveyLinx can be directly connected to most major brand PLC's using ProfiNet, Modbus, or EthernetIP. All required GSD and EDS files are available. Once a PLC is connected it may take control over any and every zone in the conveyor system if required. There are certain levels of "Control". PLC can use "ZPA Mode" giving you basic control over the system such as motor speed, accumulation points, and tracking. There is also a PLC mode giving you access to every single I/O on the card. Making the control card in a motor starter and I/O block.

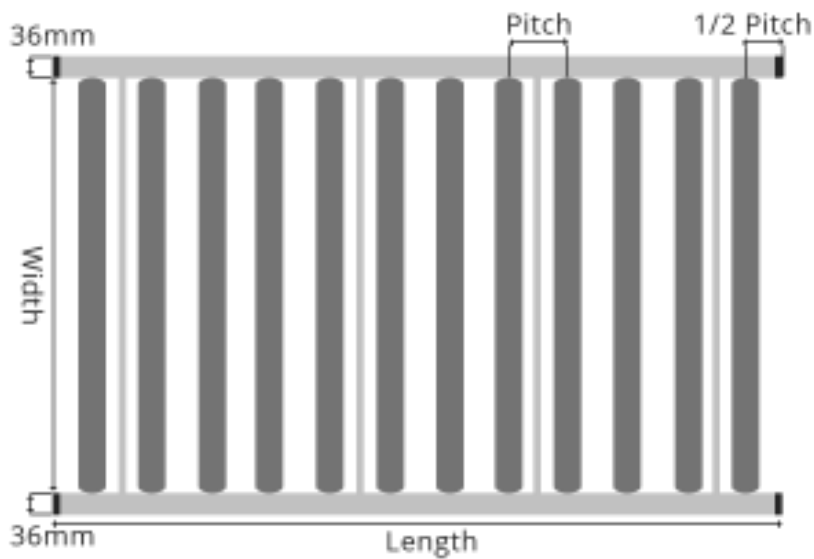


3.2 24V Zone control roller conveyor straight

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Zone length	Number of rollers x Pitch (max. 12 rollers)
Number of driverollers	1 per zone
Roller diameter	50mm
Roller pitch	60mm, 90mm, 120mm
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

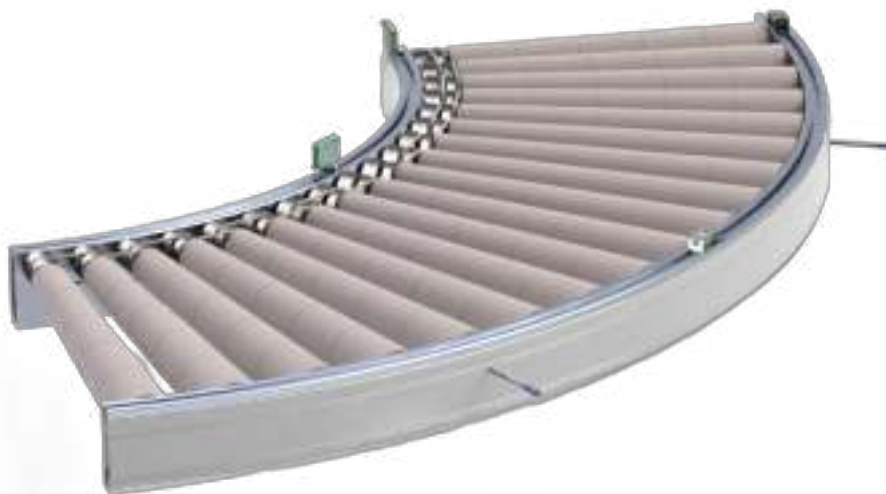
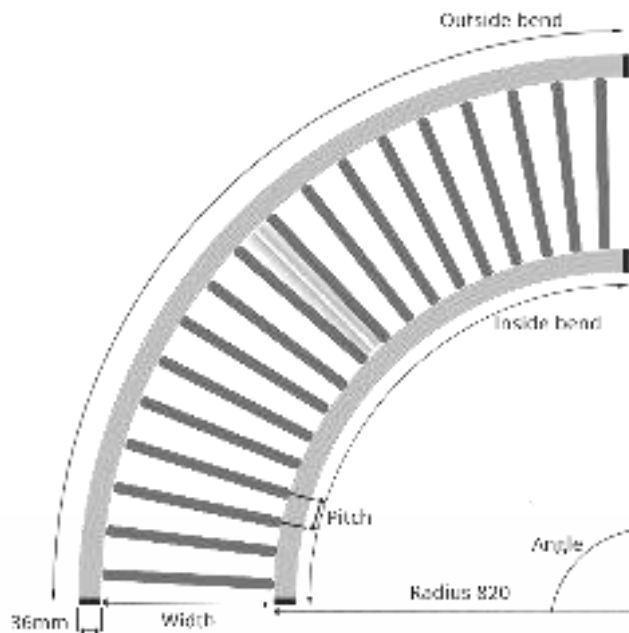


3.3 24V Zone control roller conveyor curved

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°/60°/90°
Number of driverollers	1 driveroller: 30°/45°/60°, 2 driverollers: 90°
Roller diameter	50mm (+ conical sleeve)
Roller pitch	54mm (3,75°), 72mm (5°)
Roller material	Zinc plated steel with plastic conical sleeves
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

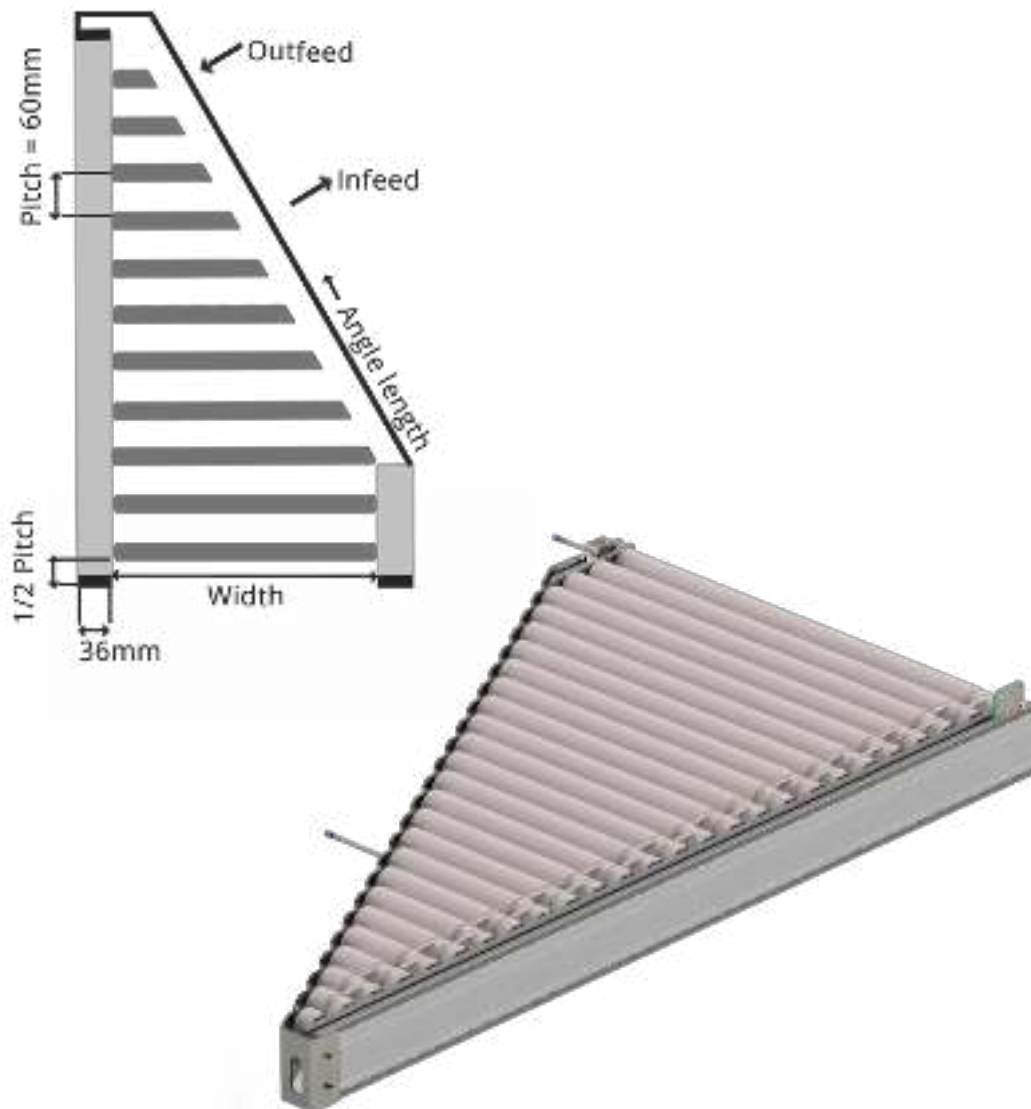


3.4 24V Zone control roller conveyor merge

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
α -angle	30°/45°
Number of driverollers	1 or 2, dependent on width and angle
Roller diameter	50mm (+2mm friction sleeve)
Roller pitch	60mm
Roller material	Zinc plated steel with PVC friction sleeve
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



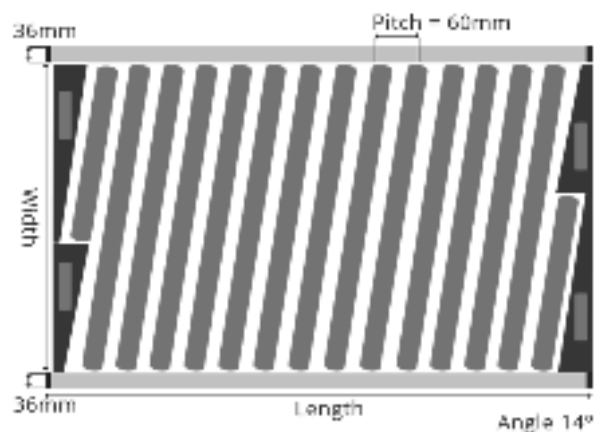
3.5 24V Zone control roller conveyor skewed

This conveyor serves as an alignment section.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Conveyor length	900mm
Number of driverollers	2 (1 zone)
Roller diameter	50mm
Roller pitch	60mm
Roller angle	14°
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



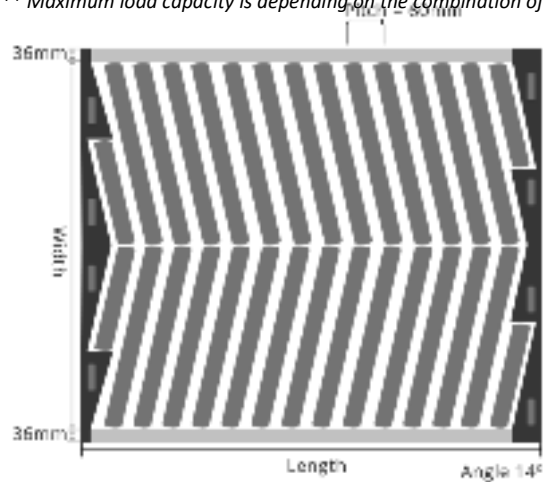
3.6 24V Zone control centering conveyor

This conveyor serves as an alignment section to align products into the centre. The conveyor is divided into 6 sections which can be individually configured to rotate, separate and align packages.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg/zone
Conveyor width	840mm, 1240mm, 1640mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Conveyor length	2220mm
Number of driverollers	6
Roller diameter	50mm
Roller pitch	60mm
Roller angle	14°
Roller material	Zinc plated steel
Drive medium	PU Roundbelt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



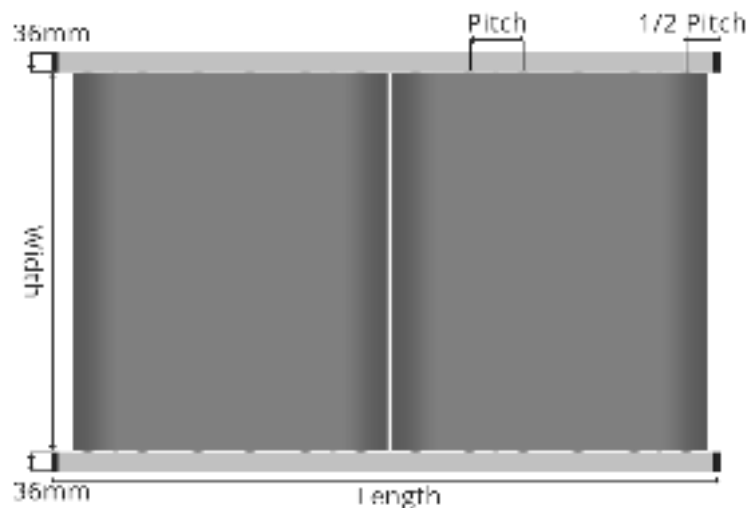
3.7 24V Zone control belt over roller conveyor

This conveyor serves as a belt conveyor that is divided into zones and operates with zero pressure accumulation. It is possible to transport and accumulate small products, as well as products not suitable for roller tracks. Also suitable for reversing operation.

General data	
Conveyor speed*	0,05 – 1,38 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (+2mm top of roller height)
Zone length	Number of rollers x Pitch (max. 12 rollers)
Number of driverollers	1 per zone
Roller diameter	50mm
Roller pitch	60mm, 90mm
Roller material	Zinc plated steel
Belt support	Rollers
Drive medium	2 layer diamond pattern PU Belt, with steering string on the bottom

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



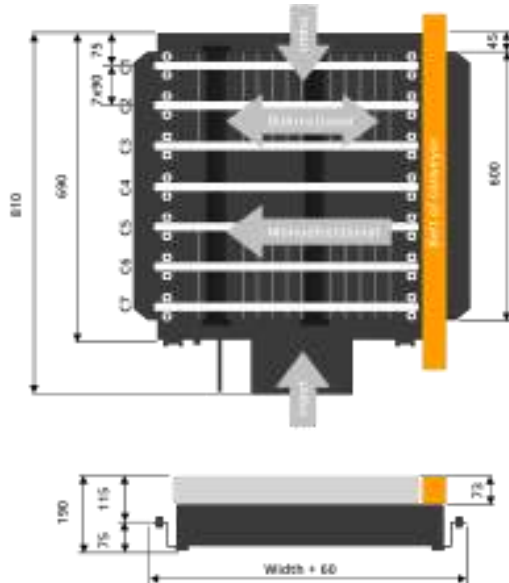
3.8 24V Zone control transfer

Pop-up module used for 90° lateral diversion onto a connected conveyor. The transfer can be fitted underneath a zone controlled roller conveyor with a pitch of 90mm.

General data	
Transfer speed*	0,03 - 0,25 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Installation height	120mm (profile height) + 77mm (below profile)
Transfer length	810mm
Number of driverollers	2
Roller diameter	50mm (+ friction sleeve)
Roller material	Zinc plated steel with friction sleeve
Drive medium	Toothed PU belt with friction top
Maximum amount of cassettes	5

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

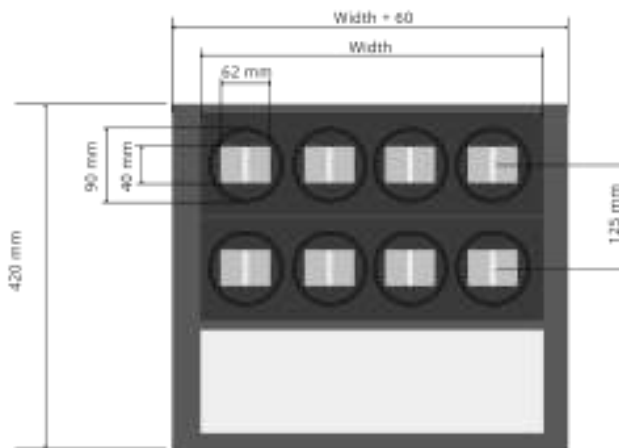


3.9 24V Zone control diverter

Cost efficient solution for sorting packages to other conveyors with a maximum outfeed angle of 45 degrees. Can be fitted in between two zones of a straight zone controlled conveyor.

General data	
Conveyor speed	0,16 – 1,0 m/s
Max. load capacity*	25 kg/m
Sorter width	420mm, 620mm, 820mm, 1020mm
Profile height	120mm (profile height) + 232mm (below profile)
Diverter length	420mm
Number of motors	2
Wheel diameter	60mm (+ friction sleeve)
Wheel angle	-45° - 45°
Wheel material	Steel with PU cover
Drive medium	Timing belts, round belts, poly-V belts

* Maximum load capacity is depending on the combination of speed and load



4. 400V Driven conveyor

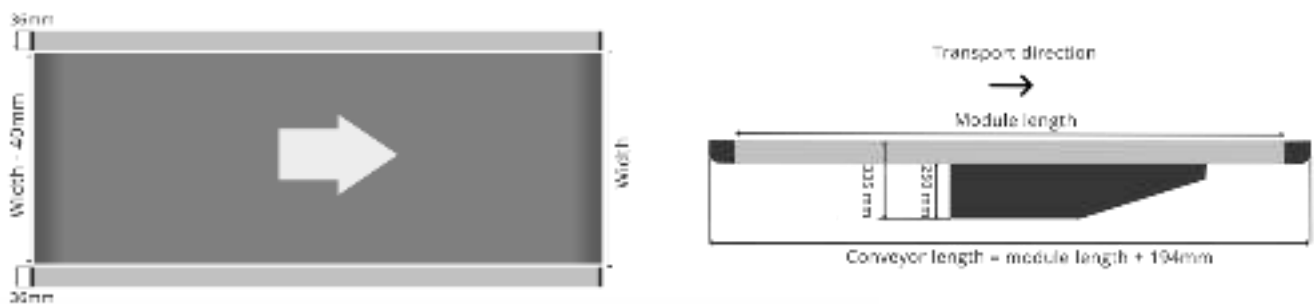
4.1 400V Underdrive belt conveyor

The belt conveyor is used for the transport of unit loads that are not suitable for roller tracks, and for all types of unit loads in case of inclines and declines. The drive medium is center drive prepared for a 400V gearmotor. PVC side cover caps both sides included. Completely assembled, pre-assembled submodules if the conveyor is longer than 3 meters. Frame built up out of anodised extrusion aluminium profiles.

General data	
Conveyor speed*	0,1 – 2,0 m/s
Max. load capacity**	200 kg/m
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (profile height) + 250mm (drive unit, below profile)
Conveyor length	1530mm – 15.300mm (in steps of 30mm)
Belt support	Sendzimir steel gliding plate
Drive medium	2 layer low noise PVC Belt, smooth or ribbed top layer, steering string on the bottom + Timing belt between motor and driveroller
Top module (optional)	360mm, 540mm, 720mm

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



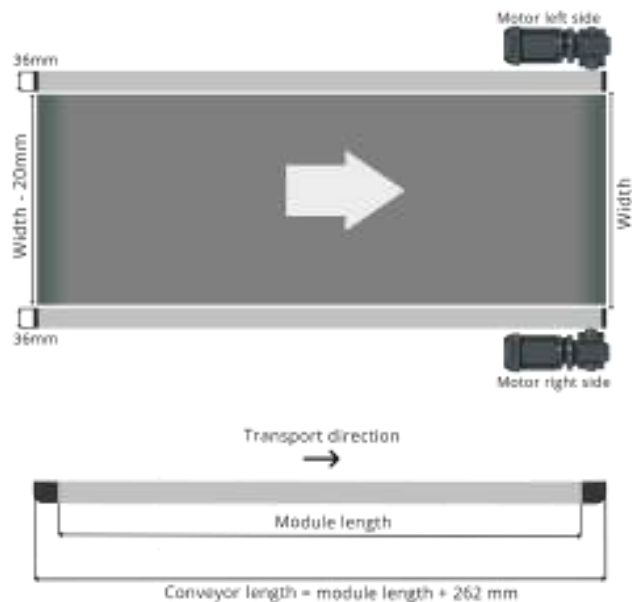
4.2 400V Headdrive belt conveyor

The belt conveyor is used for the transport of unit loads that are not suitable for roller tracks, and for all types of unit loads in case of inclines and declines. The drive medium is a head-drive prepared for a 400V gearmotor, which can be located on the right or left front side on straight conveyors. These conveyors are delivered completely assembled.

General data	
Conveyor speed*	0,1 – 2,0 m/s
Max. load capacity**	100 kg/m
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm (ex. motor)
Profile height	120mm (profile height) + 13mm (end cover)
Conveyor length	982mm – 3262mm (in steps of 30mm)
Belt support	Sendzymir steel gliding plate
Drive medium	2 layer low noise PVC Belt, smooth or ribbed top layer, steering string on the bottom.

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

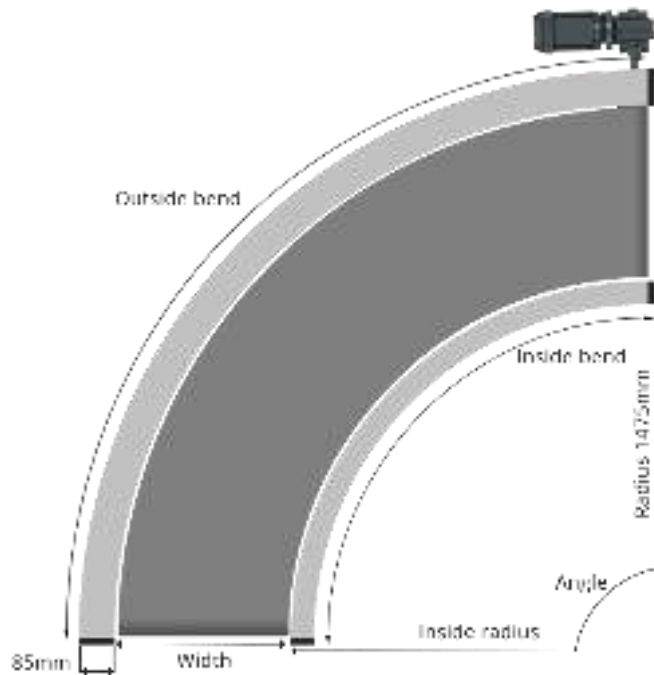


4.3 400V Curved belt conveyor

General data	
Conveyor speed*	0,1 – 1,9 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 116mm (ex. motor)
Profile height	290mm (profile height)
α -angle	30°/45°/60°/90°
Belt support	Sendzymir steel gliding plate
Drive medium	2 layer low noise PVC Belt, smooth or coarse layer

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load

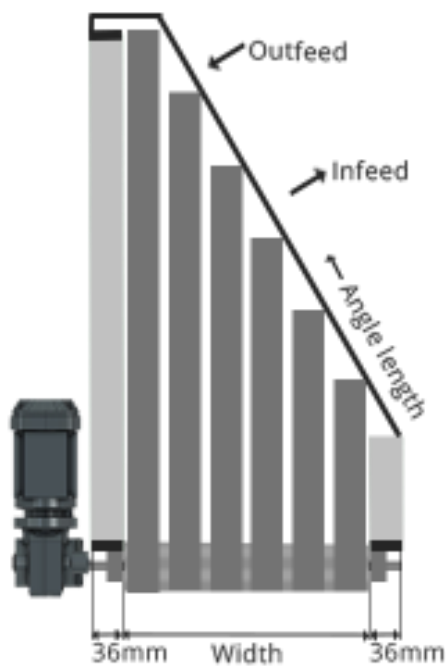


4.4 400V Belt merge conveyor

General data	
Conveyor speed*	0,1 – 3,0 m/s
Max. load capacity**	50 kg
Conveyor width	420mm, 620mm, 820mm
Frame width	Conveyor width + 72mm (ex. motor)
Profile height	120mm (profile height) + 368mm (drive unit, below profile)
α -angle	30°/45°
Belt support	HMPE gliding plate
Drive medium	Multiple flat belts

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



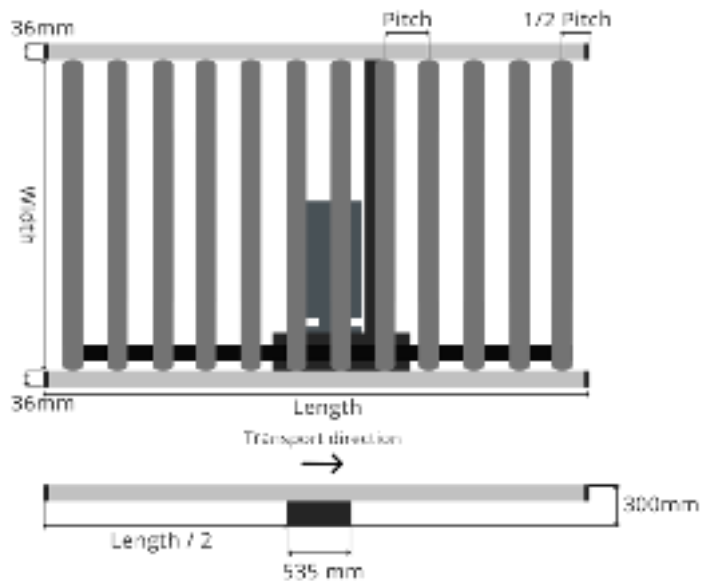
4.5 400V Underbelt driven roller conveyor

This roller conveyor is used for the transport of different unit loads, small and big, the drive method is a tangential underlying belt with tensioner rollers and idlers, driven by a 400V gear motor. The modular setup allows the possibility of long conveyors driven by a single drive unit. Completely assembled, pre-assembled submodules if the conveyor is longer than 3 meters.

General data	
Conveyor speed*	0,1 – 1,6 m/s
Max. load capacity**	50 kg/m
Conveyor width	420mm, 620mm, 820mm, 1020mm
Frame width	Conveyor width + 72mm
Profile height	120mm (profile height) + 183mm (drive unit, below profile)
Conveyor length	1260mm – 21.480mm (must be divisible by 2xPitch)
Roller diameter	50mm
Roller pitch	60mm, 90mm
Belt support	Rollers
Drive medium	2-layer PVC belt

* Speed can be higher on request

** Maximum load capacity is depending on the combination of speed and load



5. Contact us

Interested in the possibilities for you?

Contact us and we will help you find the best solution for your requirements.