
-ARCO

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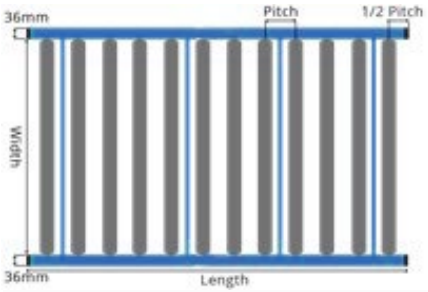
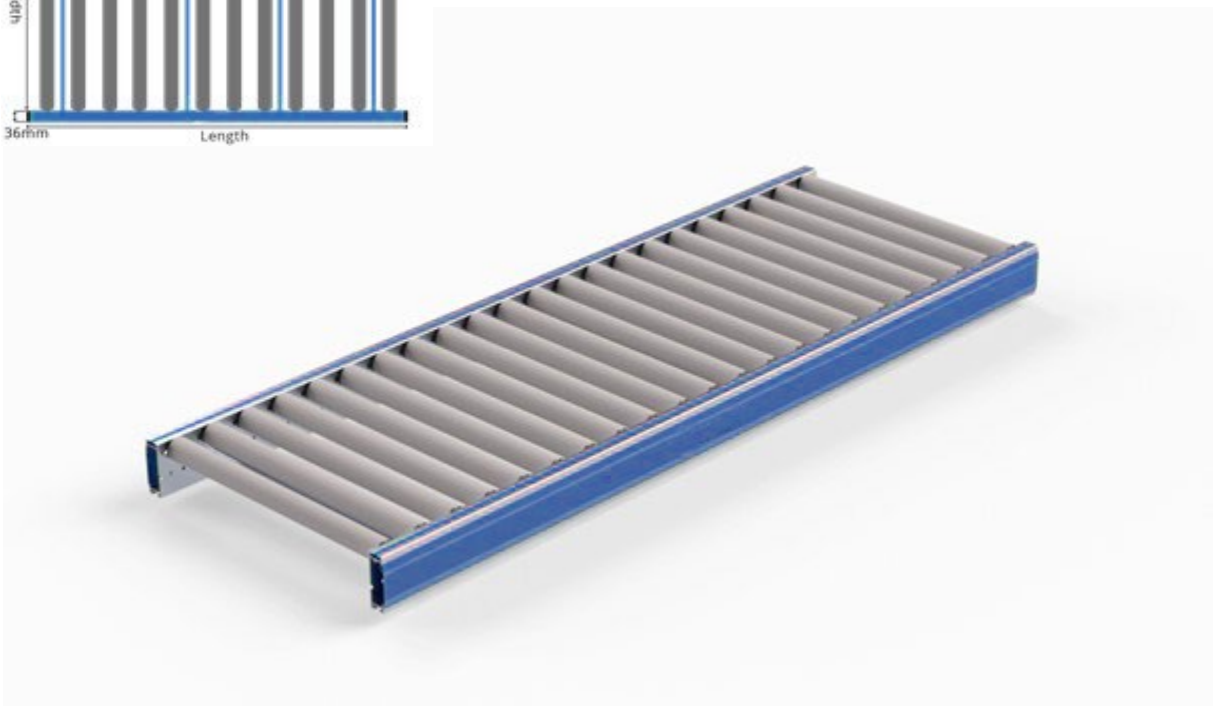
Non-powered roller conveyors

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.

Non-powered roller conveyor straight

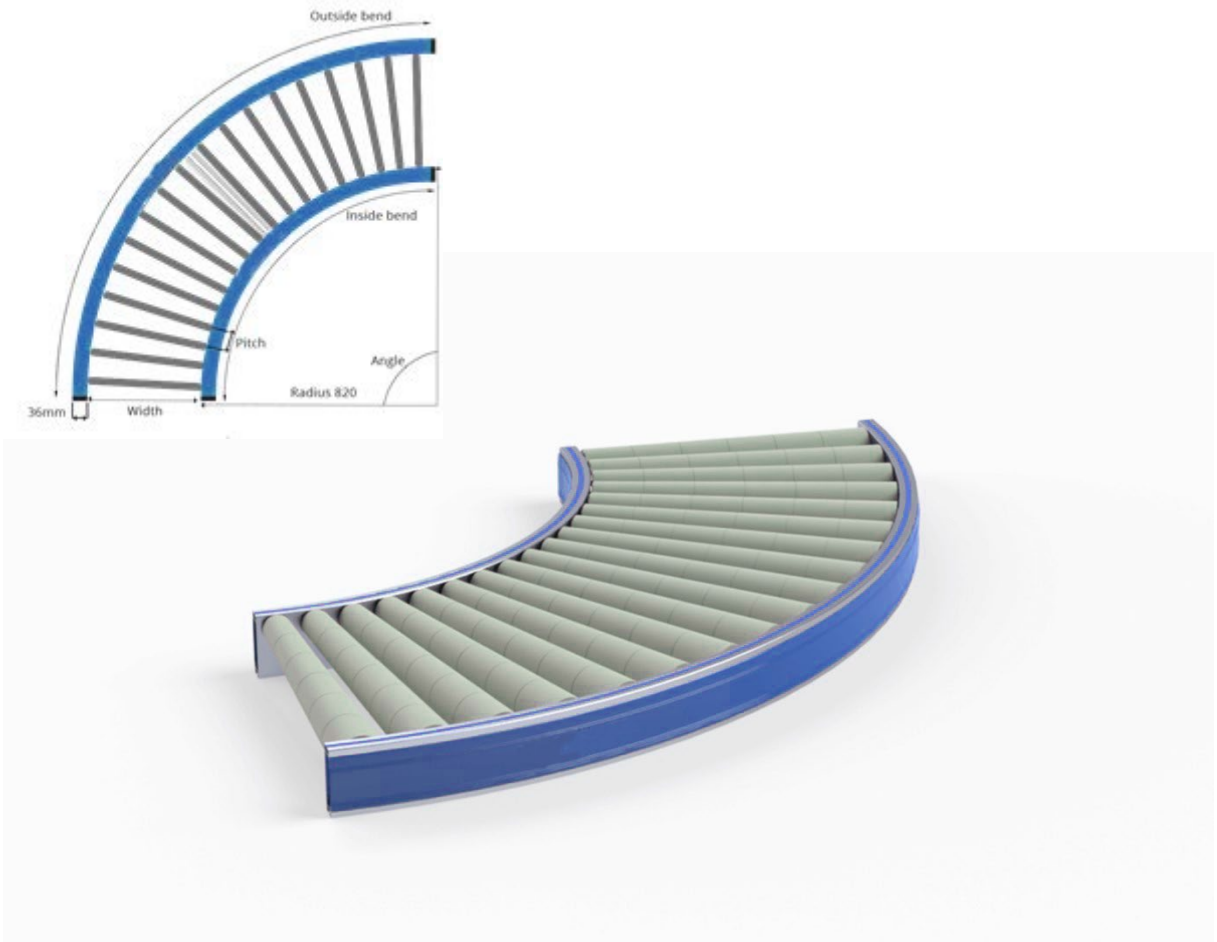
General Data	
Max. load capacity	50 kg
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Rollers	
Roller diameter	Ø 50mm
Roller material	Steel, zinc plated or plastic
Dimensions	
Conveyor width	420, 620, 820 and 1020mm
Frame width	Conveyor width + 72mm
Roller pitch	60, 90 or 120mm
Conveyor length	Max. 3060mm always divisible by pitch
Profile height	120mm +2mm top of roller height



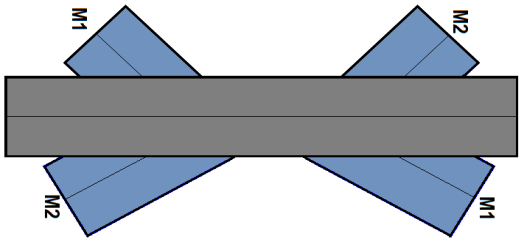


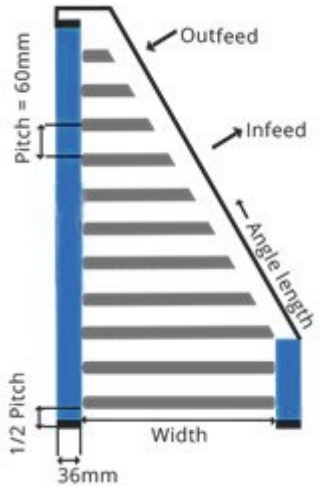
Non-powered roller conveyor curved

General Data	
Max. load capacity	50 kg
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Rollers	
Roller diameter	Ø 50mm
Roller material	Steel, zinc plated with conical sleeve made of polypropylene
Dimensions	
Conveyor width	420, 620, 820 and 1020mm
Frame width	Conveyor width + 72mm
Roller pitch	72mm (each roller is 5°)
α-angle	30°/45°/60°/90°
Profile height	120mm +2mm top of roller height

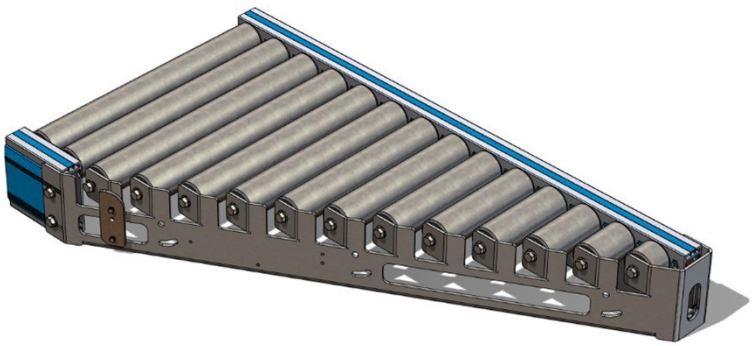


Non-powered roller conveyor merge

General Data	
Max. load capacity	50 kg
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Rollers	
Roller diameter	Ø 50mm
Roller material	Steel, zinc plated with friction layer
Dimensions	
Conveyor width	420, 620, 820 and 1020mm
Frame width	Conveyor width + 72mm
Roller pitch	60mm
α-angle	30°/45°
Profile height	120mm +2mm top of roller height
Type M1 or M2 Both can be infeed or outfeed. Please mention during ordering.	



AL (Angle length)			
α-angle 30°		α-angle 45°	
420	860mm	420	640mm
620	1260mm	620	895mm
820	1660mm	820	1210mm
1020	2060mm	1020	1490mm

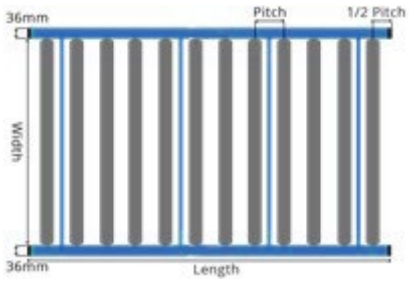


24V Drive control roller conveyor

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 drive roller that is connected to a fixed number of slave rollers via round belts. 1 e-qube can control 1 drive roller. PVC side cover caps both sides included. Frame built up out of anodised extrusion aluminium profiles.

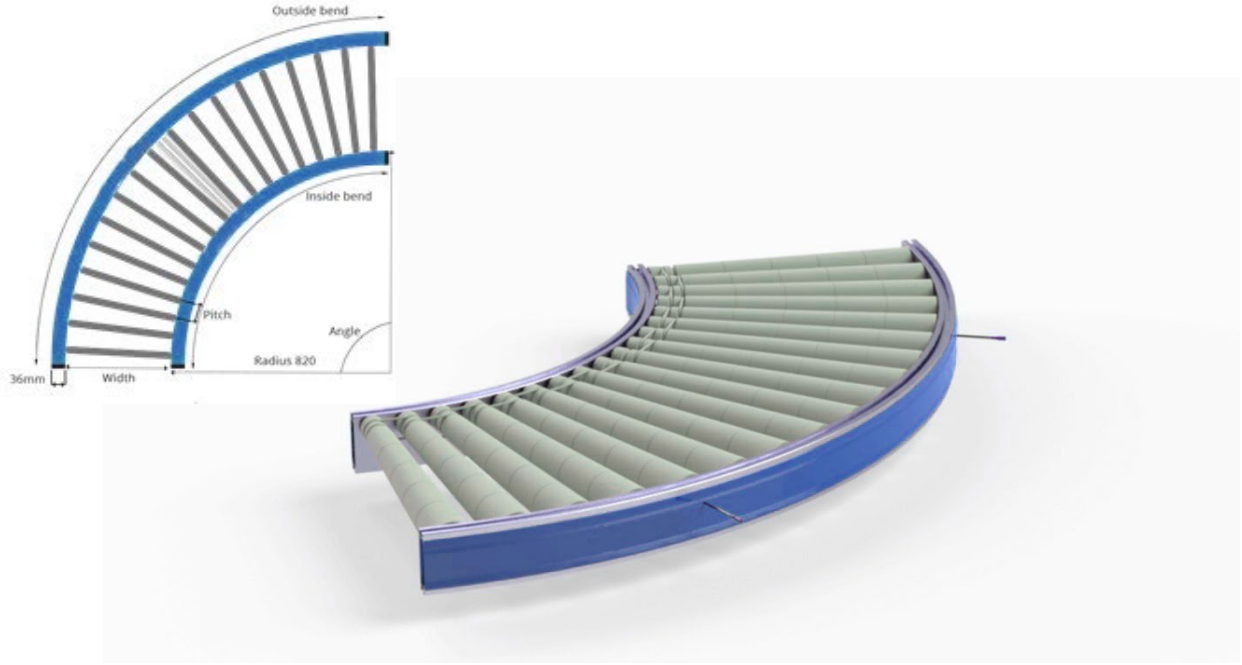
24V Drive control roller conveyor straight

General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60, 90 or 120mm
ZL (zone length)	Number of rollers x P max. 12 rollers (11 slave rollers and 1 drive roller)
CL (conveyor length)	Max. 3060mm always divisible by pitch
PH (profile height)	120mm +2mm top of roller height

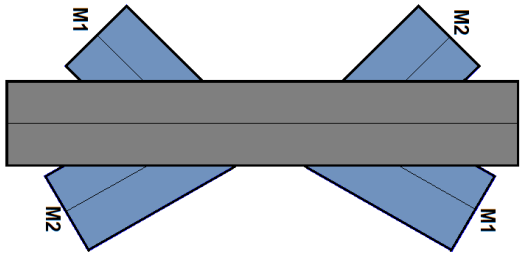


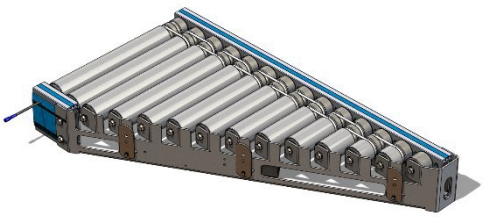
24V Drive control roller conveyor curved

General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated with conical plastic parts
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	9
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch inner radius)	72mm each roller is 5°
α-angle	30°/45°/60°/90°
PH (profile height)	120mm +2mm top of roller height



24V Drive control roller conveyor merge

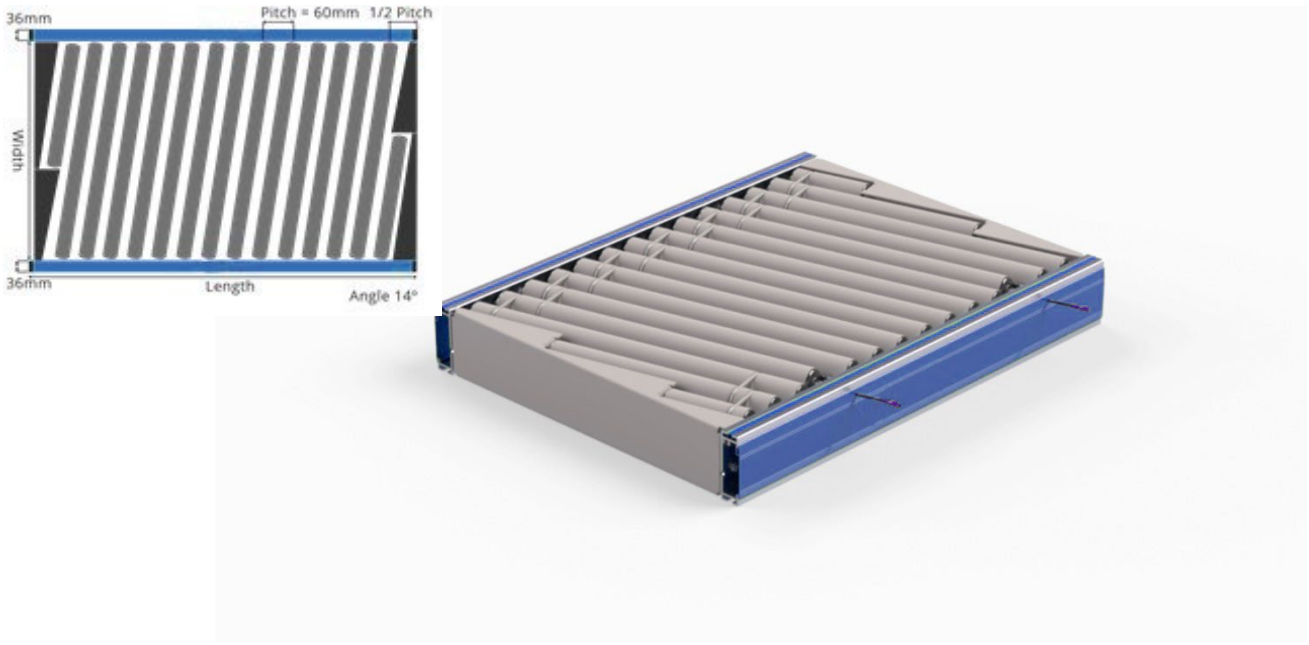
General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated with friction layer
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm
α-angle	30°/45°
PH (profile height)	120mm +2mm top of roller height
Type M1 or M2 Both can be infeed or outfeed. Please mention during ordering.	



AL (Angle length)			
α-angle 30°		α-angle 45°	
420	860mm	420	640mm
620	1260mm	620	895mm
820	1660mm	820	1210mm
1020	2060mm	1020	1490mm

24V Drive control roller conveyor skewed

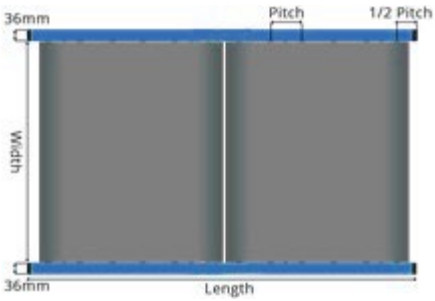
General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	Variety
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	8 (each section has two drive rollers and 15 slave rollers)
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm
α-angle	14°
ZL (zone length)	900mm
CL (conveyor length)	900mm
PH (profile height)	120mm +2mm top of roller height

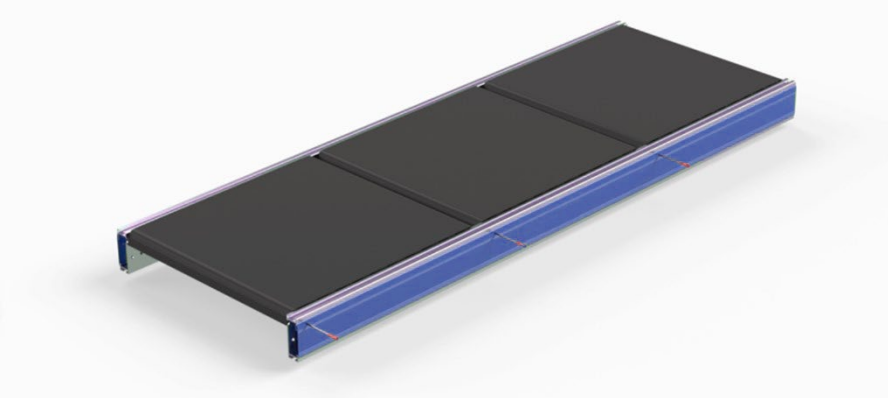


24V Drive control belt over roller conveyor

This conveyor serves as a belt conveyor with the help of a E-qube Ai drive controller. Each section is powered by a drive roller. 1 e-qube can control 1 drive roller. It is possible to transport small products, as well as products not suitable for roller tracks. Also suitable for reversing operation. PVC side cover caps both sides included. Frame built up out of anodised extrusion aluminium profiles.

General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Max. 15° incline/decline Depending on weight, speed and type of packaging
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Endless PU middle friction belt with key groove K6 or longitudinally ribbed belt for incline/decline
Torque transmission	Belt over roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm or 90mm
ZL (zone length)	Number of rollers x P max. 12 rollers (11 slave rollers and 1 drive roller)
CL (conveyor length)	Max. 3060mm always divisible by pitch
PH (profile height)	120mm +2mm top of roller height





24V Zone control roller conveyor

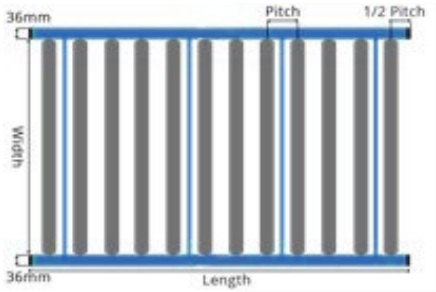
This conveyor enables zero pressure accumulation transport of unit loads with the help of a Conveylinx Ai2 zone controller. Each zone is powered by a drive roller that is connected to a fixed number of slave rollers via round belts. Each zone is provided with sensor, reflector, brackets and wiring. 1 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.

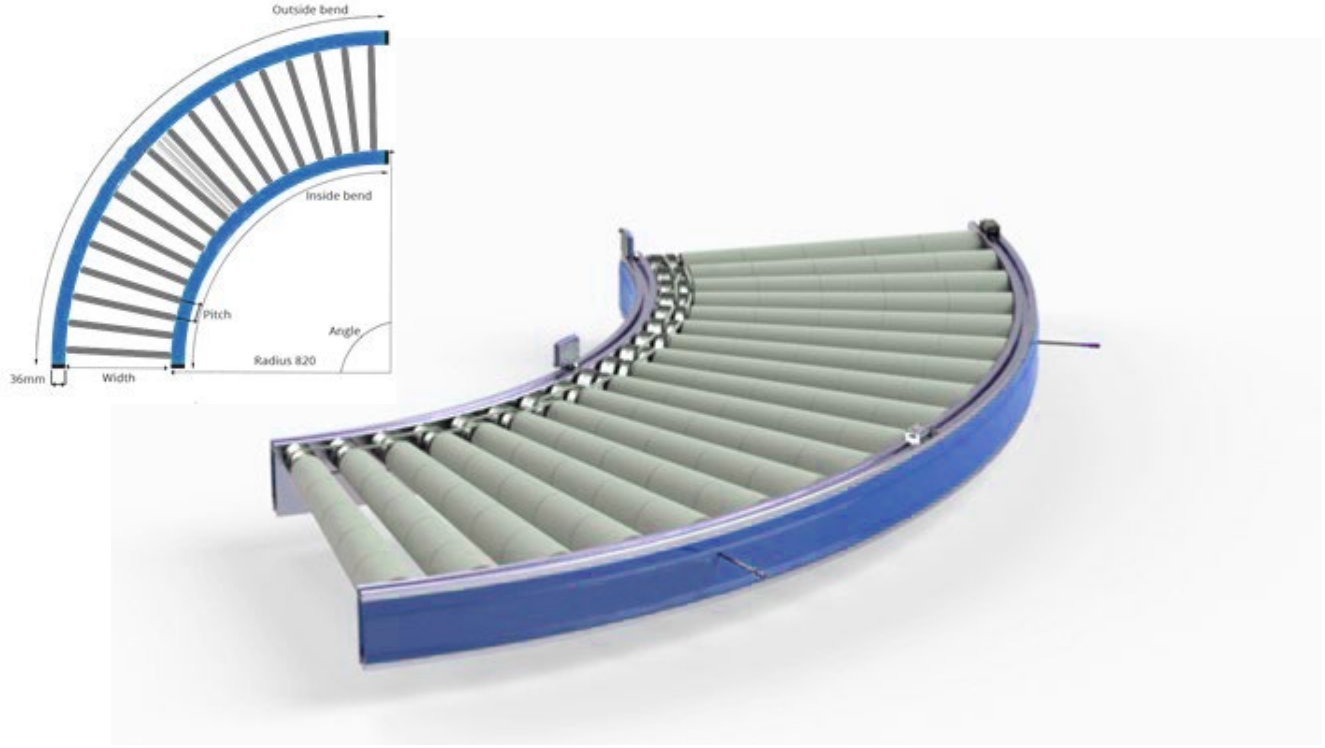
24V Zone control roller conveyor straight

General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60, 90 or 120mm
ZL (zone length)	Number of rollers x P max. 12 rollers (11 slave rollers and 1 drive roller)
CL (conveyor length)	Max. 3060mm always divisible by pitch
PH (profile height)	120mm +2mm top of roller height

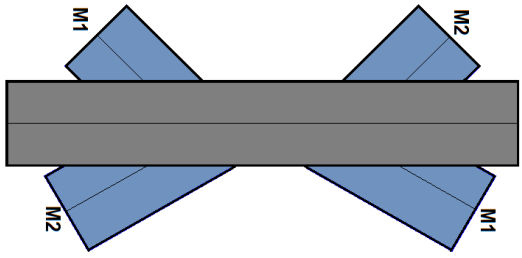


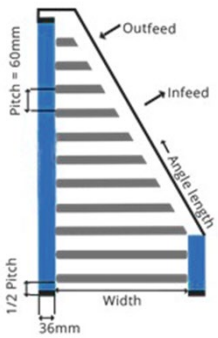
24V Zone control roller conveyor curved

General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated with conical plastic parts
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	9
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch inner radius)	72mm each roller is 5°
α-angle	30°/45°/60°/90°
PH (profile height)	120mm +2mm top of roller height



24V Zone control roller conveyor merge

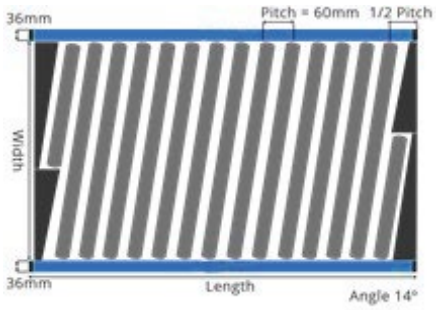
General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated with friction layer
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm
α-angle	30°/45°
PH (profile height)	120mm +2mm top of roller height
Type M1 or M2 Both can be infeed or outfeed. Please mention during ordering.	



AL (Angle length)			
α-angle 30°		α-angle 45°	
420	860mm	420	640mm
620	1260mm	620	895mm
820	1660mm	820	1210mm
1020	2060mm	1020	1490mm

24V Zone control roller conveyor skewed

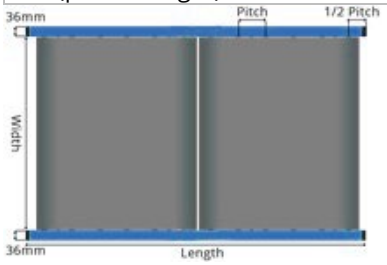
General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	Variety
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Round belt Ø 5mm
Torque transmission	Roller to roller
Max. slave roller number per drive	8 (each section has two drive rollers and 15 slave rollers)
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm
α-angle	14°
ZL (zone length)	900mm
CL (conveyor length)	900mm
PH (profile height)	120mm +2mm top of roller height

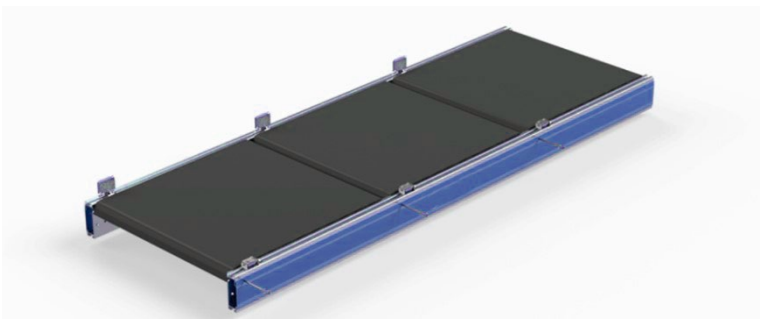


24V Zone control belt over roller conveyor

This conveyor serves as a belt conveyor that is divided into zones and operates with zero pressure accumulation with the help of a Conveylinx Ai2 zone controller. It is possible to transport and accumulate small products, as well as products not suitable for roller tracks. Also suitable for reversing operation. 1 Conveylinx Ai2 can control 2 drive rollers and 2 sensors. Each zone is provided with a sensor, reflector, brackets and wiring. 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.

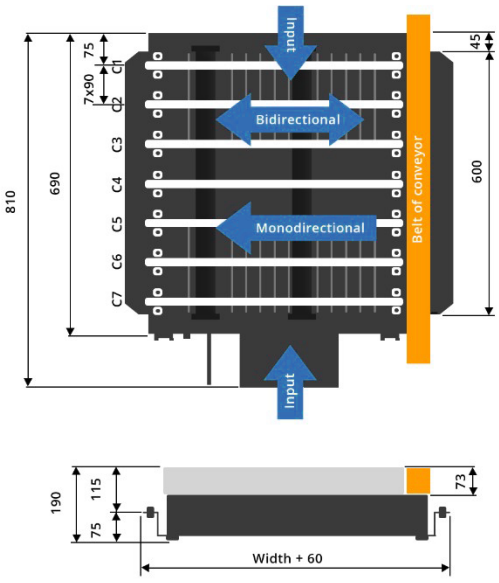
General Data	
Conveyor speed	0,05 – 1,38 m/s
Max. load capacity	50 kg Maximum load capacity is depending on the combination of speed & load
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Max. 15° incline/decline Depending on weight, speed and type of packaging
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Groove position	34mm and 59mm
Power supply and drive	
Voltage	DC24V
Controller	DC24V
Max. power consumption	0,05kW
Drive medium	Endless PU middle friction belt with key groove K6 or longitudinally ribbed belt for incline/decline
Torque transmission	Belt over roller
Max. slave roller number per drive	11
Dimensions	
CW (conveyor width)	420, 620 and 820mm
FW (frame width)	CW + 72mm
P (roller pitch)	60mm or 90mm
ZL (zone length)	Number of rollers x P max. 12 rollers (11 slave rollers and 1 drive roller)
CL (conveyor length)	Max. 3060mm always divisible by pitch
PH (profile height)	120mm +2mm top of roller height





24V Zone control transfer

General Data	
Max. load capacity	40 kg
Transfer speed	0,16 – 0,25 – 0,33 – 0,44 – 0,65 – 0,78 or 0,98 m/s
Stroke time	0,3 m/s
Incline / Decline	Not Suitable
Ambient temperature	+5 to +40°
Humidity	Maximum 90%, no condensation
Noise emission	70< dB(A) value can vary on installation conditions)
Available widths	420 and 620mm
Maximum load capacity is depending on the combination of speed & load	
Rollers	
Roller bearing	Sealed precision ball bearing
Roller diameter	50 mm
Roller material	Steel, zinc-plated
Lift Drive	
Operating medium	24 VDC
Stroke time	0,3 sec
Stroke height	15 mm above top edge of roller
Cassette Drive	
Rated Voltage	24 VDC
Power transmission	Toothed belt with fiction top
ConveyLinx Ai2	
Rated Voltage	24 VDC
Max. power consumption	0,05 kW



400V Centre drive belt conveyor (with gliding plate and steering string)

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 centre drive prepared for a 400V motor. Belt material PVC 2 layer black. PVC side cover caps both sides included. Completely assembled, pre-assembled submodules if the conveyor is longer than 3 meters. If the conveyor must be between 1 and 3 meters there is a possibility for a head driven 400V conveyor instead of a centre driven 400V conveyor. Frame built up out of anodised extrusion aluminium profiles.

General Data	
Conveyor speed	0.1 to 1.75 m/s
Max. load capacity	50 kg/m Maximum load capacity is depending on the combination of speed & load
Max. load capacity per module	200 kg/m
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	6° - 9° - 12° - 15° - 18°
Slider type	Gliding plate with groove for the steering string
Rollers	
Drive roller diameter	Ø 180mm
Return roller diameter	Ø 80mm
Drive roller material	Steel with Diamond Pattern Rubber layer
Return roller material	POM
Drive roller bearing	Self-aligning ball bearing 2206-2RS
Return roller bearing	Deep groove ball bearings - 6205-2Z
Power supply and drive	
Voltage	400V
Max. power consumption	1,5 kW
Motor type	Gear motor
Drive medium	PVC Belt 2-layer smooth or PVC Belt 2-layer ribbed longitudinally (extra grip for incline and decline), both with steering string underneath
Torque transmission	Timing belt HTD8M L800 W30
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 80mm
BW (belt width)	CW – 40mm
CL (conveyor length)	1530mm - 15300mm in steps of 30mm
BM (bottom module)	Profile length: 540mm / 720mm
TM (top module)	Profile length: 360mm / 540mm

400V Head drive conveyor

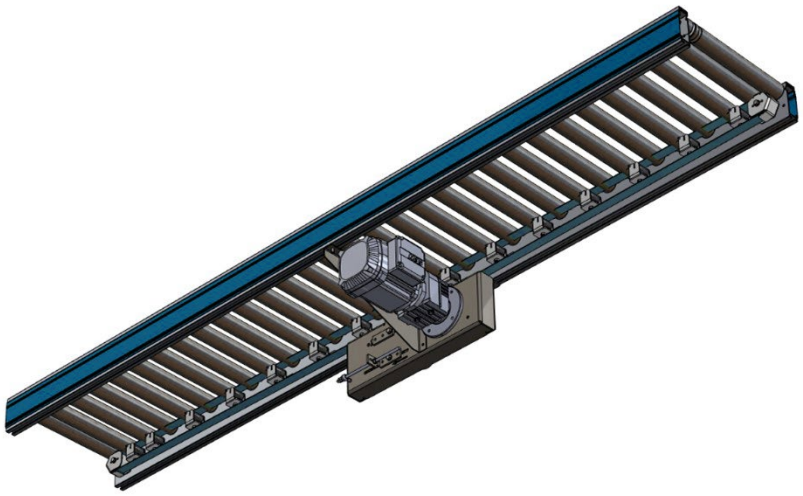
The belt conveyor is used for the transport of unit loads that are not suitable for roller tracks, and for all types of unit loads in case of inclines and declines. The drive medium is a headdrive, the 400V motor is placed directly on one of the return rollers, turning this roller into the drive roller. This conveyor is easy to use and especially designed for short distances between 1 and 3 meters. For longer distances the 400V centre drive belt conveyor is the better option. Frame built up out of anodised extrusion aluminium profiles.

General Data	
Conveyor speed	0.1 to 1.75 m/s
Max. load capacity	50 kg/m Maximum load capacity is depending on the combination of speed & load
Max. load capacity per module	200 kg/m
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	6° - 9° - 12° - 15° - 18°
Slider type	Gliding plate with groove for the steering string
Rollers	
Drive roller diameter	Ø 120mm
Return roller diameter	Ø 80mm
Drive roller material	POM with friction layer
Return roller material	POM
Drive roller bearing	UCFL204H Flanged bearing
Return roller bearing	Deep groove ball bearings - 6205-2Z
Power supply and drive	
Voltage	400V
Max. power consumption	1,5 kW
Motor type	Gear motor
Drive medium	PVC Belt 2-layer smooth or PVC Belt 2-layer ribbed longitudinally (extra grip for incline and decline), both with steering string underneath
Torque transmission	Directly on drive roller
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 80mm
BW (belt width)	CW – 20mm
HOH (Heart to heart length drive/return roller)	1000, 2000 or 3000mm
CW (Conveyor length with safety covers)	HOH+122,5mm

400V Underbelt driven conveyor

The underbelt driven conveyor is a cost efficient solution to replace long straight parts of drive controlled roller conveyors. The drive medium is a centre drive that is prepared for a 400V motor. A small belt runs underneath the rollers and is pressed against them. This way only one motor can drive many slave rollers. Frame built up out of anodised extrusion aluminium profiles.

General Data	
Conveyor speed	0.1 to 1.75 m/s
Max. load capacity	50 kg/m Maximum load capacity is depending on the combination of speed & load
Max. load capacity per module	200 kg/m
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	Less than or equal to 90% (no condensation)
Noise level	<70dB Noise level can vary due to surrounding conditions
Installation site	Indoors
Incline/decline	Not applicable
Rollers	
Slave roller diameter	Ø 50mm
Slave roller material	Steel, zinc plated
Slave roller bearing	Precision ball bearing 6202
Pressure wheel diameter	Ø 30mm
Pressure wheel material	POM
Pressure wheel bearing	Deep Groove ball bearing 626ZZ
Power supply and drive	
Voltage	400V
Max. power consumption	1,5 kW
Motor type	Gear motor
Drive medium	Belt PA/Rubberized 30mm
Dimensions	
CW (conveyor width)	420, 620, 820 and 1020mm
FW (frame width)	CW + 80mm
P (Pitch)	60 or 90mm
CL (conveyor length)	1080mm - 15120mm must be divisible by 2xPitch

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