2020

regalux®

comprehensive storage solutions

Warehouse Automation

www.**regalux**.pl

CONVEYORS • SORTERS • SPECIALIZED SYSTEMS • LIFTS • ACCESSORIES

ABOUT COMPANY

For over 20 years Regalux has been providing solutions for comprehensive warehouse equipment and design of logistics systems in internal transport. We are a producer of: sorters, conveyors and warehouse lifts. For their implementation, we use components from leading manufacturers such as Siemens, SEW Eurodrive, Datalogic, Sick and Ammeraal Beltech. The products we supply meet European standards and directives.

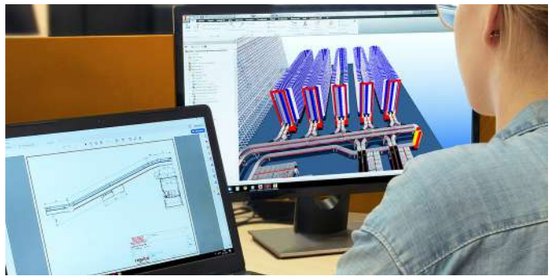
We offer to our clients the entire process of equipping and optimizing the warehouse, from the analysis of needs and definition of restrictions, through the selection of the best solutions using the potential of space, to the development of internal transport technology.

Our product range includes: shelf and pallet racks, mobile racks, mezzanines, warehouse lifts, conveyors and sorting systems, workbenches, rack accessories, WMS software, AutoID system.
Regalux has hundreds of completed projects of medium and large scale. We operate throughout Europe.

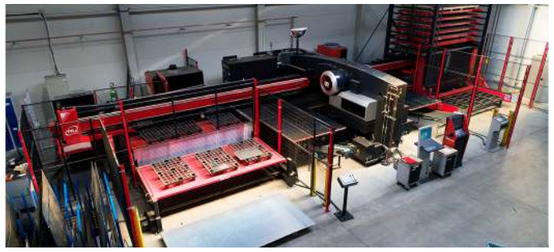
SPECIALIZED ENGINEERING STAFF

We carry out received orders with highly specialized engineering and technical staff. Through many years we have gained relevant experience and knowledge. We have undergone dozens of trainings and courses, and continuous improvement of skills allow us to professionally approach the investors' expectations and to present optimized solutions.

We have many tools thanks to which the project and offer presentation process is clear and understandable to the investor.



Regalux uses the following tools: Demo 3D, Inventor, Solid Works and proprietary ICS tool. To meet the growing expectations of our clients, we are working on new solutions and improving existing ones at the same time. We cooperate with the University of Sciences and Technology in Bydgoszcz and invest in our research and development office.



MODERN MACHINERY PARK

To manufacture advanced products, it is necessary to use modern technologies. Therefore, from the beginning of our activity, we focus on the development of machinery.

Our production plant has been equipped with high-performance and advanced devices that guarantee the highest precision of manufacture. Production and technological processes are largely automated and robotized, which allows us to maintain consistent high quality products and full control over the timeliness of orders.

We use the following machines:
- Burkhardt H63 eccentric press
- HUAXIA and EHT Variopress 225 folders,
- Trumatic 5000R punch press,
- laser Trumpf 3530,
- AMADA 3610NT COMBI – laser + punch press,
- robot TRUBEND CELL7036,
- Roller bender Bendmak PRO80,
- sheet metal guillotine EHT TSS10-30.

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GRAVITY CONVEYORS

Gravity roller conveyors do not have their own drive source. Loads are moved due to their own weight and a properly selected angle of inclination - thanks to the force of gravity and manual shifting - manual force. Devices of this type are often used as buffers on transport lines, connectors and end stations. The systems with various angles and angle connectors give great freedom in configuring the systems.

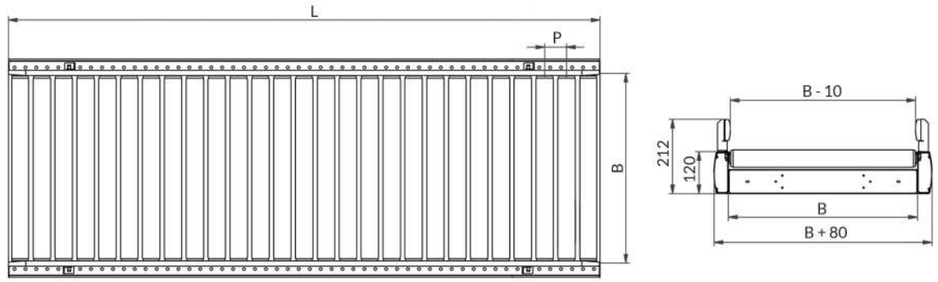
GRAVITY-STRAIGHT SECTION

The non-driven straight section of the gravity conveyor can be installed at an angle or horizontally. When set at an angle, the speed of the transported objects increases with the inclination to the ground. The device consists of a steel frame, simple gravity rollers and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: -5°C ÷ 40°C
- Speed depended on product and angle of inclination diameter of rollers
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Length of conveyor	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
P	Roller pitch	62, 93, 125 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

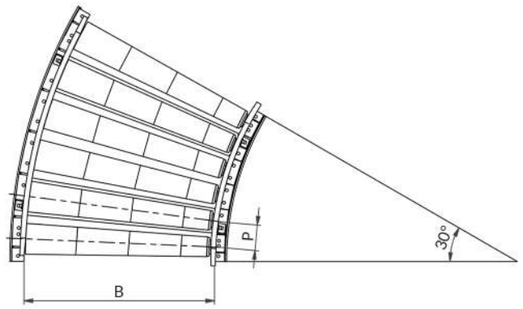
30° GRAVITY ROLLER CURVE

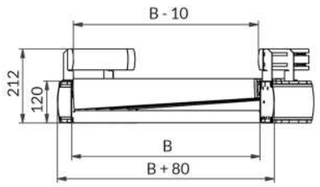
The gravitational curve changes the direction of movement of the object. Can be installed at an angle or horizontally. When set at an angle, the speed of transported objects increases inproportion to the degree of inclination. The device consists of a steel frame bent at an angle of 30°, six tapered rollers and a plastic cover.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 30°
- Environmental temperature: -5°C ÷ 40°C
- Speed depended on product and angle od inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 6

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

GRAVITY CONVEYORS

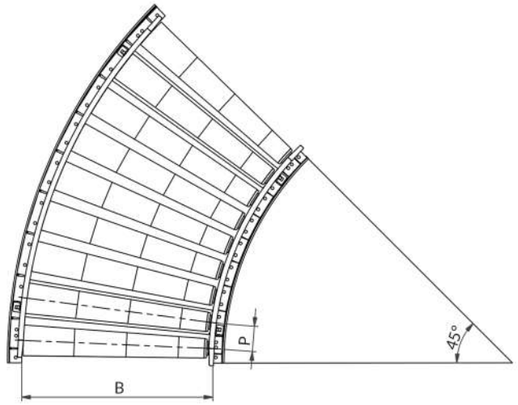
45° GRAVITY ROLLER CURVE

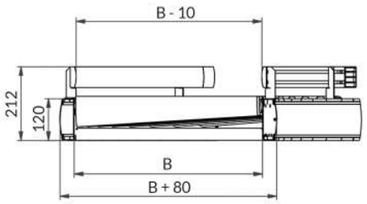
The gravitational curve changes the direction of movement of the object. Can be installed at an angle or horizontally. When set at an angle, the speed of transported objects increases in proportion to the degree of inclination. The device consists of a steel frame bent at an angle of 45°, nine tapered rollers and a plastic cover.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 45°
- Environmental temperature: -5°C ÷ 40°C
- Speed depended on product and angle od inclination diameter of rollers
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 9

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

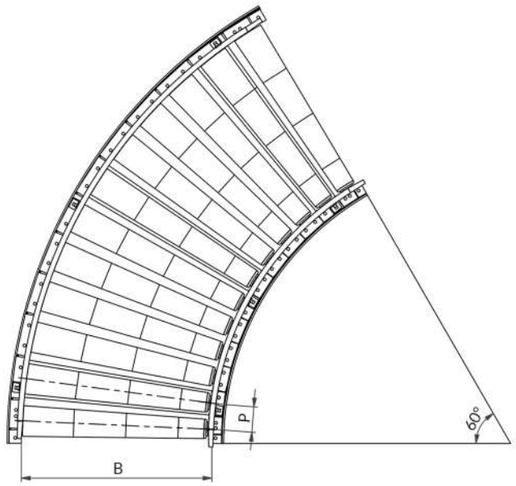
60° GRAVITY ROLLER CURVE

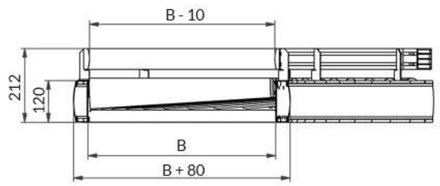
The gravitational curve changes the direction of movement of the object. Can be installed at an angle or horizontally. When set at an angle, the speed of transported objects increases in proportion to the degree of inclination. The device consists of a steel frame bent at an angle of 60°, twelve tapered rollers and a plastic cover.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 60°
- Environmental temperature: -5°C ÷ 40°C
- Speed depends on product and angle of inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 12

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

GRAVITY CONVEYORS

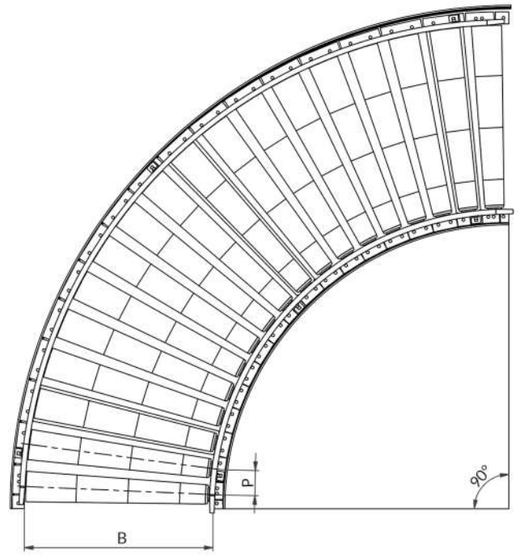
90° GRAVITY ROLLER CURVE

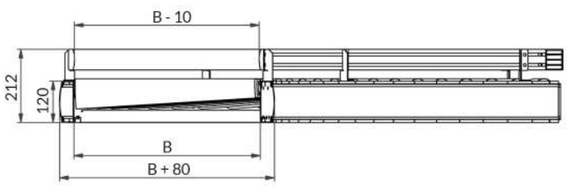
The gravitational curve changes the direction of movement of the object. Can be installed at an angle or horizontally. When set at an angle, the speed of transported objects increases in proportion to the degree of inclination. The device consists of a steel frame bent at an angle of 90°, eighteen tapered rollers and a plastic cover.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 90°
- Environmental temperature: -5°C ÷ 40°C
- Speed depends on product and angle of inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 18

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

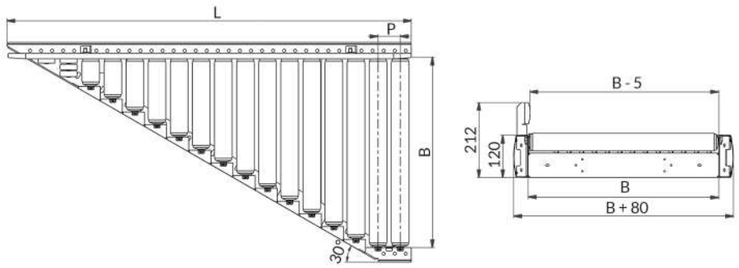
30° ROLLER INFEED

The roller infeed, depending on the location, helps to put loads on the main line or lead them to the side line. With the angle of inclination of this section, the speed of transported objects increases. The device consists of a steel frame shaped at an angle of 30°, straight gravity rollers and plastic covers.

Technical specifications:

- Maximum load: 50 kg/m
- Roller infeed angle: 30°
- Environmental temperature: -5°C ÷ 40°C
- Speed depends on product and angle of inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	955 ÷ 1640 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

GRAVITY CONVEYORS

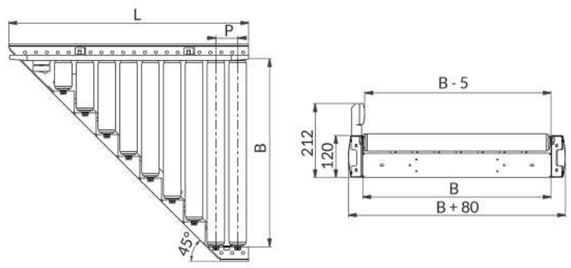
45° ROLLER INFEED

The roller infeed, depending on the location, helps to put loads on the main line or lead them to the side line. With the angle of inclination of this section, the speed of transported objects increases. The device consists of a steel frame shaped at an angle of 45°, straight gravity rollers and plastic covers.

Technical specifications:

- Maximum load: 50 kg/m
- Line connection angle: 45°
- Environmental temperature: -5°C ÷ 40°C
- Speed depends on product and angle of inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel

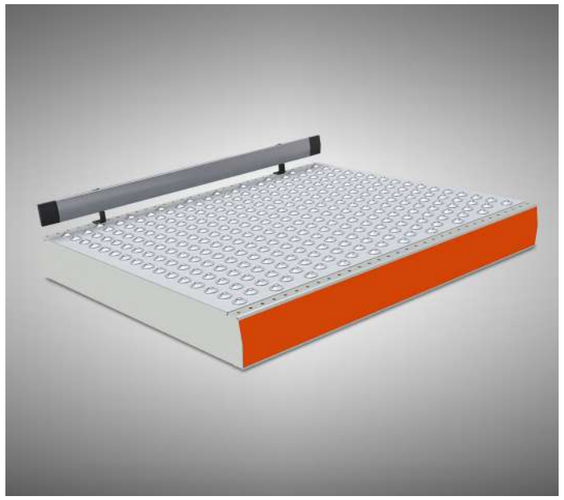
Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	620 ÷ 1000 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Stopping sheet

BALL TABLE

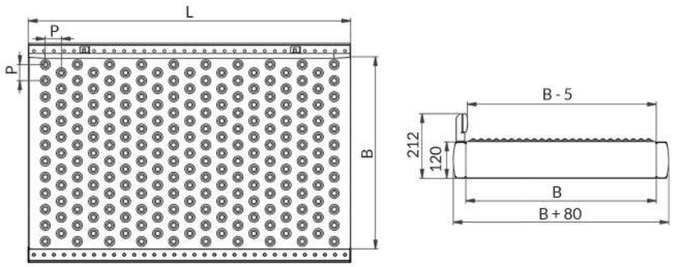


Ball transfer table helps to move products in any direction with little force. Mainly used at inspection or picking stations. The device consists of a steel frame, laminated chipboard, transport bearings and plastic covers.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Speed depended on product and angle od inclination
- Diameter of balls: 15,8 mm
- Balls surface material: Galvanized steel

Symbol	Explanation	Dimensions
B	Table width	420, 620, 820 mm
L	Table length	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
P	Pitch of balls	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

GRAVITY CONVEYORS

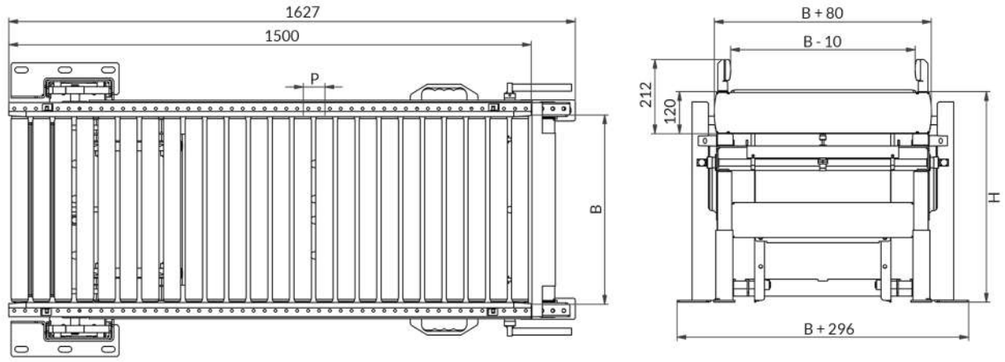
INCLINED CONVEYOR GATE

Lifted conveyor gate allows free passage through the conveyor main line. Lifting the gate stops transported loads until it is put down. The device consists of a steel frame of the conveyor, straight gravity rollers, lifting system and plastic covers.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Speed depended on product and angle od inclination
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Length of conveyor	1500 mm
P	Roller pitch	62, 93, 125 mm
H	Height	600 ÷ 850 mm
HP	Height of the raised gate	1600 ÷ 1850 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

CONVEYORS 24V

24V conveyors are driven by electric rollers connected by means of multi V-belts with other rollers. The design of this type of equipment allows it to be configured with other systems such as gravity conveyors, belt conveyors, transfers, switches and pop-up modules. Together with the extensive sensor system, they form a fully automated internal transport system.

The main task of 24V conveyors is the accumulation of loads through separate buffer zones. Each zone is powered by a separate electric roller with the option of changing the speed or direction.

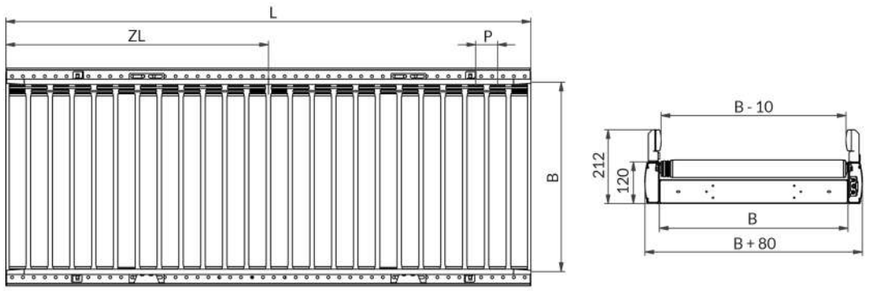
ZONE CONVEYOR

Zone conveyor supports the accumulation of objects in more complex lines. Each zone in the roller conveyor is programmed separately, which gives the possibility to adjust the speed and functionality of the zone. The conveyors are fully compatible with specialized devices such as transfers, divertors and pop-up modules. The device consists of a steel frame, electric rollers, PolyVee rollers, belts, controllers, sensors and blends

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
ZL	Zone length	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
P	Roller pitch	62, 93, 125 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

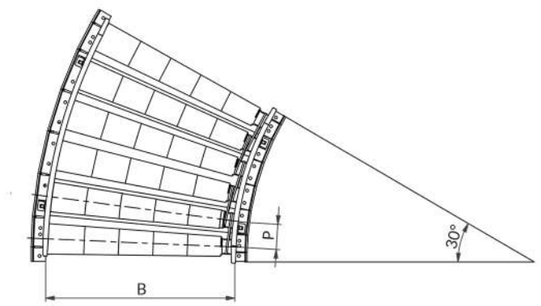
ROLLER CURVE 30° DRIVE

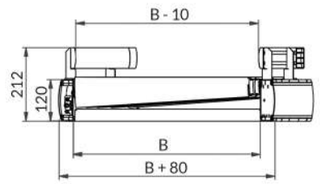
The roller curve changes the direction of cargo movement. The conical shape of the rollers allows the goods to be kept between the side profiles. The use of a controller enables no-pushing buffering. The device consists of a steel frame bent at an angle of 30°, electric roller, five PolyVee tapered rollers, belts, controller, sensor and blends

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 30°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 6
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

CONVEYORS 24V

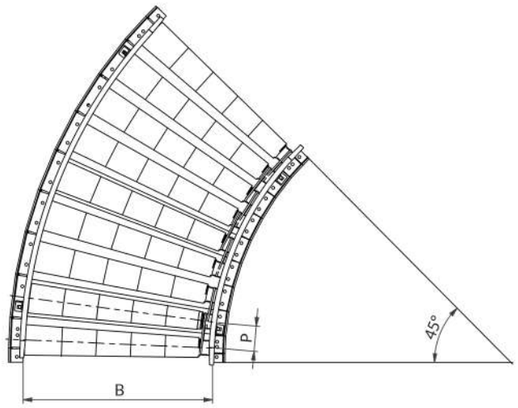
ROLLER CURVE 45° DRIVE

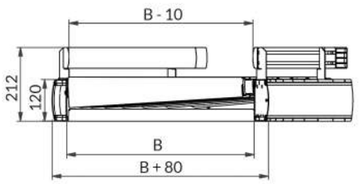
The roller curve changes the direction of cargo movement. The conical shape of the rollers allows the goods to be kept between the side profiles. The use of a controller enables no-pushing buffering. The device consists of a steel frame bent at an angle of 45°, electric roller, eight PolyVee tapered rollers, belts, controller, sensor and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 45°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 9
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

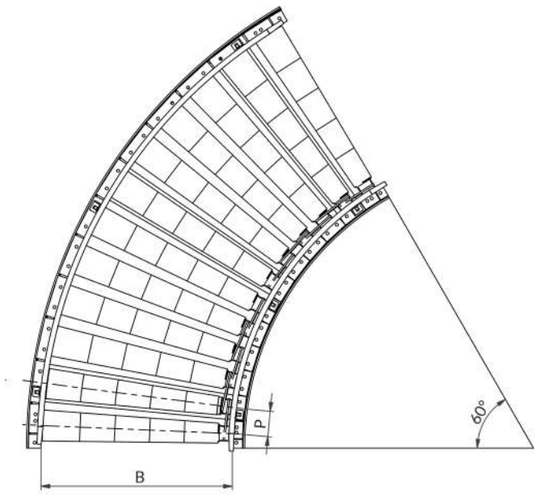
ROLLER CURVE 60° DRIVE

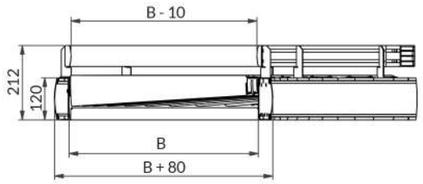
The roller curve changes the direction of cargo movement. The conical shape of the rollers allows the goods to be kept between the side profiles. The use of a controller enables no-pushing buffering. The device consists of a steel frame bent at an angle of 60°, electric roller, eleven PolyVee tapered rollers, belts, controller, sensor and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 60°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 12
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

CONVEYORS 24V

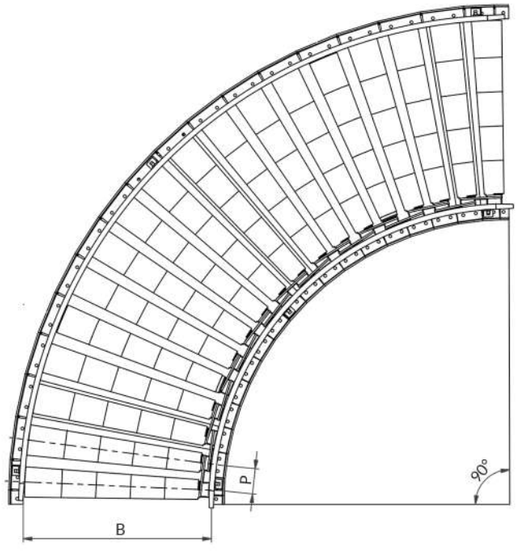
ROLLER CURVE 90° DRIVE

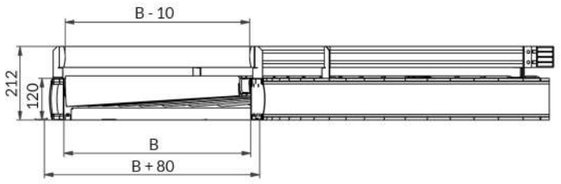
The roller curve changes the direction of cargo movement. The conical shape of the rollers allows the goods to be kept between the side profiles. The use of a controller enables no-pushing buffering. The device consists of a steel frame bent at an angle of 90°, two electric roller, seventeen PolyVee tapered rollers, belts, controller, sensor and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 90°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 18
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

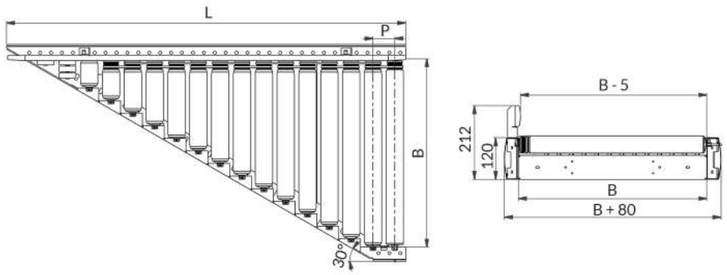
30° ROLLER INFEED DRIVE

The angle connector, depending on the location, helps to put loads on the main line or lead them to the side line. When entering the main line, it uses gaps in the flow of materials. Directly works with a diverter or pop-up. The device consists of a steel frame shaped at an angle of 30°, electric roller, PolyVee rollers, belts, controller, sensor and blend.

Technical specifications:

- Maximum load: 50 kg/m
- Line connection angle: 30°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	955 ÷ 1640 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

CONVEYORS 24V

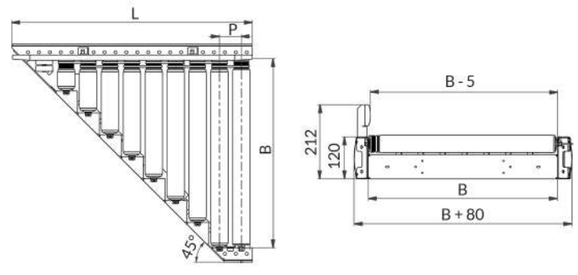
45° ROLLER INFEED DRIVE

The angle connector, depending on the location, helps to put loads on the main line or lead them to the side line. When entering the main line, it uses gaps in the flow of materials. Directly works with a crossover or pop-up. The device consists of a steel frame shaped at an angle of 45°, electric roller, PolyVee rollers, belts, controller, sensor and blend.

Technical specifications:

- Maximum load : 50 kg/m
- Line connection angle: 45°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	620 ÷ 1000 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

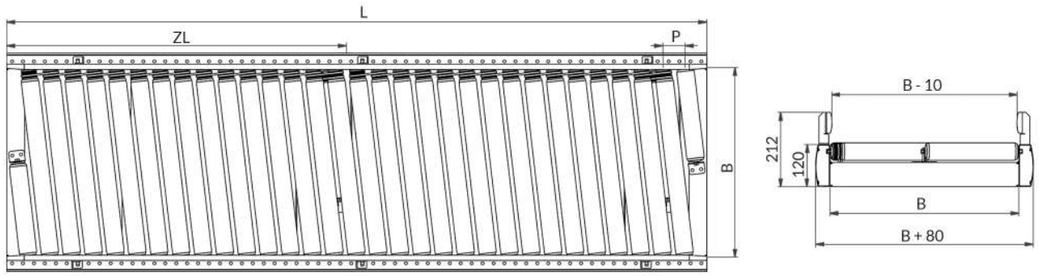
POSITIONING ROLLER CONVEYOR

Positioning roller conveyor positions the item to the selected side in the band's profile. It is used when precision is required when changing the direction of movement of the transported load. It is recommended to place the leveling conveyor in front of the node equipped with specialized devices. The device consists of a steel frame, electric rollers, PolyVee rollers, belts, controllers, sensors and blends.

Technical specifications:

- Maximum load: 50 kg/m
- roller skew: 6°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 24V
- Drive transmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	2000 ÷ 3000 mm
ZL	Zone length	750 ÷ 1500 mm
P	Roller pitch	62, 93, 125 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

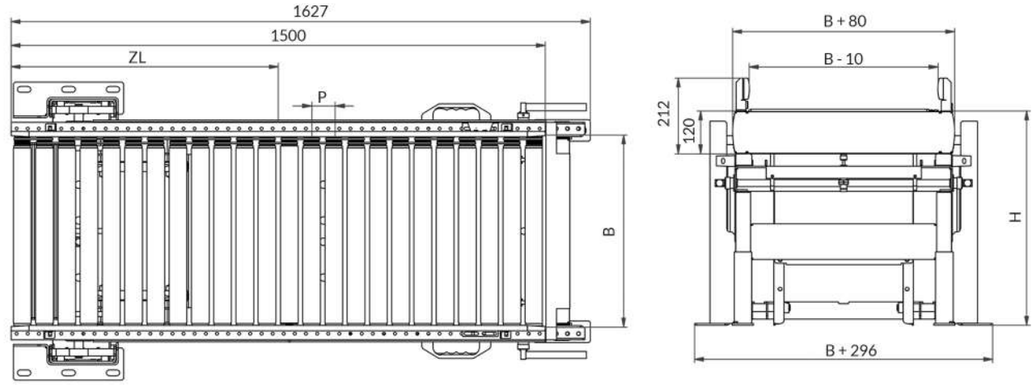
ZONE GATE

Driven zone gate enables free passage through the conveyor main line. Raising the gate stops the transported loads until its put down back. It consists of a steel conveyor frame, electric rollers, PolyVee rollers, controllers, sensors, lifting system and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 24 V
- Drive troansmission element: Ribbed belt
- Type of drive transmission: from roller to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
L	Conveyor length	1500 mm
ZL	Zone length	500, 750, 1500 mm
P	Roller pitch	62, 93, 125 mm
H	Height	600 ÷ 850 mm
HP	Height of the zone gate	1600 ÷ 1850 mm



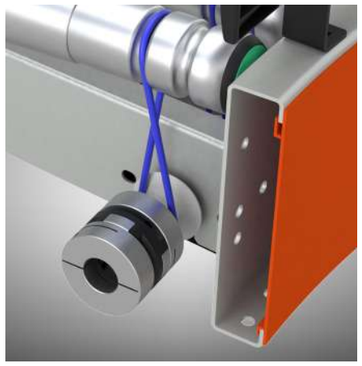
Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

LINESHAFT CONVEYORS

The lineshaft conveyor is a simple and very popular solution for transporting loads. The system requires a small number of drives, which significantly reduces the cost of the conveyor. One gearmotor can drive a line up to 15 meters long.

Drive transmission can also take place at the connection of a straight section with an curve or angle connector.



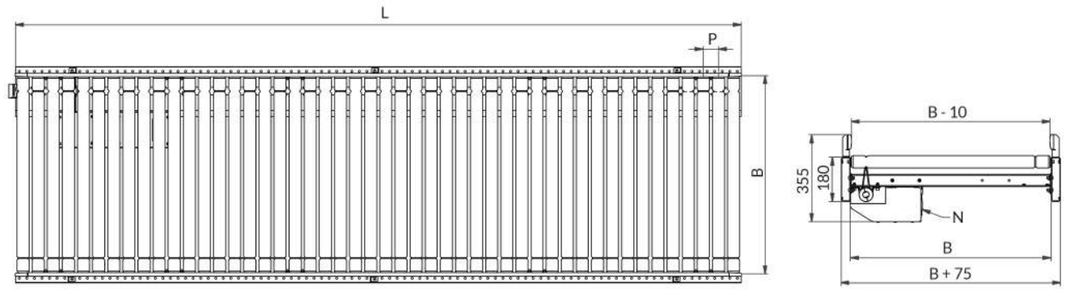
LINESHAFT DRIVE

Driven lineshaft is a conveyor driven by a royal shaft, which mediates in the drive of rollers by the engine. The drive module is a segment equipped with its own drive. It is a basic module that is connected to passive segments, curves and angle connectors in any configuration. The device consists of a steel frame, rollers, shaft, PU belts, motor and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Voltage type: 400V
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
L	Conveyor length	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
P	Roller pitch	62, 83, 104, 125 mm
N	Motor power	0,37 ÷ 1,5 kW



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

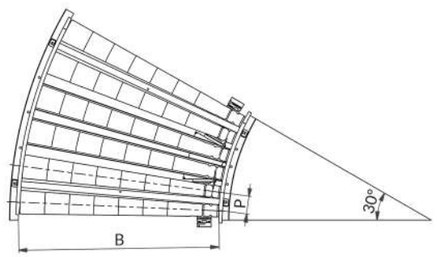
LINESHAFT ROLLER CURVE 30°

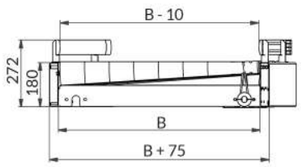
The curve with royal shaft changes the direction of movement of the load. The conical shape of the rollers keeps objects between the side profiles. The curve connected to the driven module forms the lineshaft system. The device consists of a steel frame bent at an angle of 30°, rollers, shafts, PU straps and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 30°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 6
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors

LINESHAFT CONVEYORS

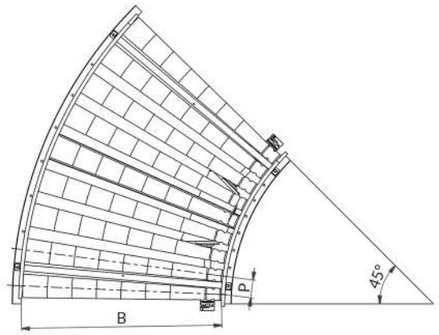
LINESHAFT ROLLER CURVE 45°

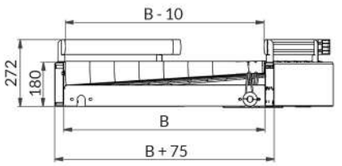
The curve with royal shaft changes the direction of movement of the load. The conical shape of the rollers keeps objects between the side profiles. The curve connected to the driven module forms the lineshaft system. The device consists of a steel frame bent at an angle of 45°, rollers, shafts, PU straps and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 45°
- Environmental temperature: 0°C ÷ 40°C
- Max spped: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 9
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
P	Roller pitch	73 mm





Accessories:

- Band
- Band ends
- Supports
- Connectors

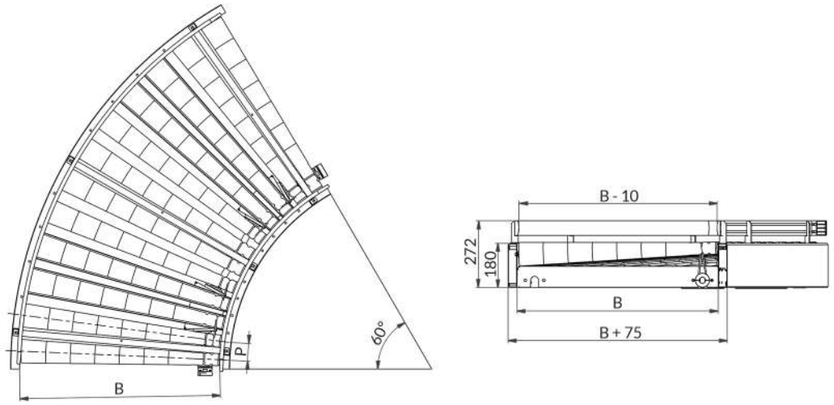
LINESHAFT ROLLER CURVE 60°

The curve with royal shaft changes the direction of movement of the load. The conical shape of the rollers keeps objects between the side profiles. The curve connected to the driven module forms the lineshaft system. The device consists of a steel frame bent at an angle of 60°, rollers, shafts, PU straps and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 60°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 12
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
P	Roller pitch	73 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

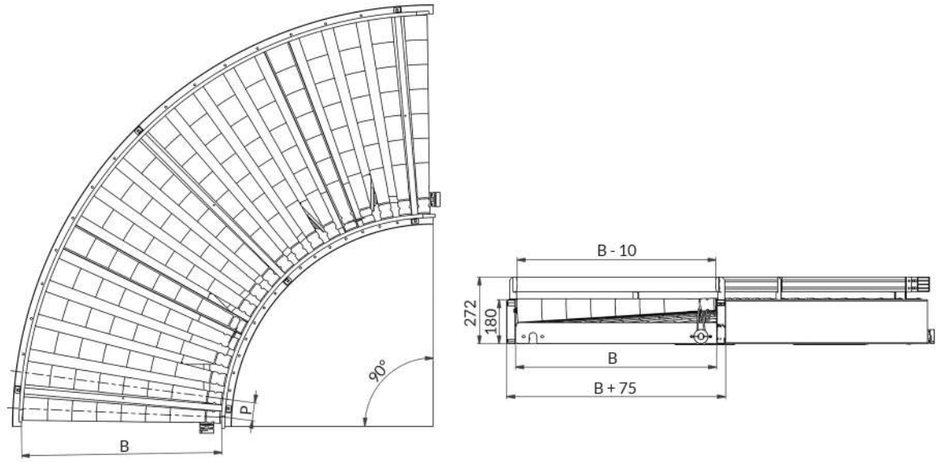
LINESHAFT ROLLER CURVE 90°

The curve with royal shaft changes the direction of movement of the load. The conical shape of the rollers keeps objects between the side profiles. The curve connected to the driven module forms the lineshaft system. The device consists of a steel frame bent at an angle of 90°, rollers, shafts, PU straps and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Arc angle: 90°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel with PP covers
- Number of rollers: 18
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
P	Roller pitch	73 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

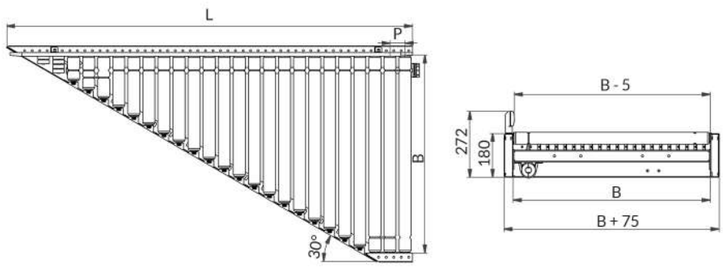
LINESHAFT INFEED 30°

The lineshaft infeed depending on the location, helps to put loads on the main line or lead them to the side line. Connected with the drive module, they form a lineshaft system. The device consists of a steel frame shaped at an angle of 30°, rollers, shaft, PU straps and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Line connection angle: 30°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Wymiar
B	Roller width	420, 620, 820, 1020 mm
L	Conveyor length	1100 ÷ 1800 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

LINESHAFT CONVEYORS

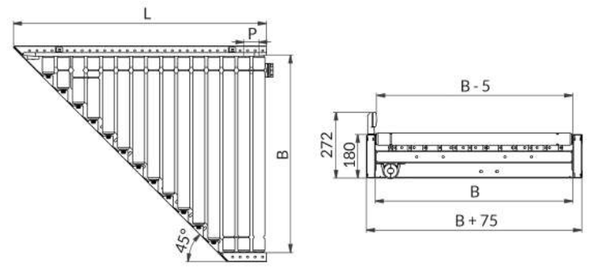
LINESHAFT INFEED 45°

The angle connector, depending on the location, helps to put loads on the main line or lead them to the side line. Connected with the drive module, they form a lineshaft system. The device consists of a steel frame shaped at an angle of 45°, rollers, shaft, PU strips and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Line connection angle: 45°
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
L	Conveyor length	500 ÷ 1200 mm
P	Roller pitch	62 mm



Accessories:

- Band
- Band ends
- Supports
- Connectors

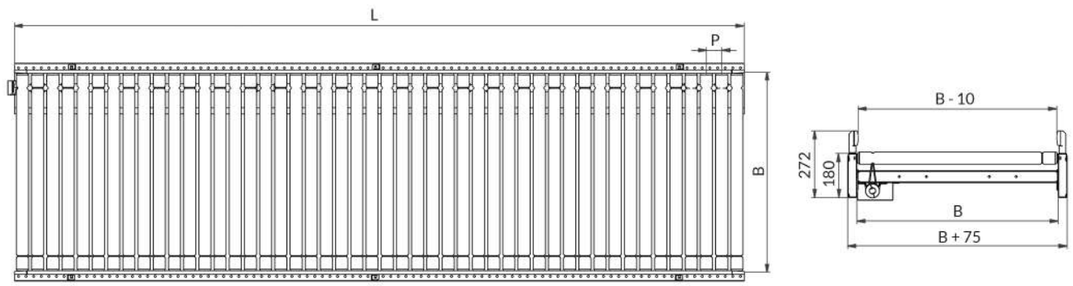
PASSIVE LINESHAFT

Passive Lineshaft is a segment that is not equipped with a drive. Several passive modules connected together with the drive module form the lineshaft system lines. The device consists of a steel frame, rollers, shaft, PU strips and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Diameter of rollers: 50 mm
- Roller surface material: Galvanized steel
- Drive transmission element: Round polyurethane belt
- Type of drive transmission: from the drive shaft to roller

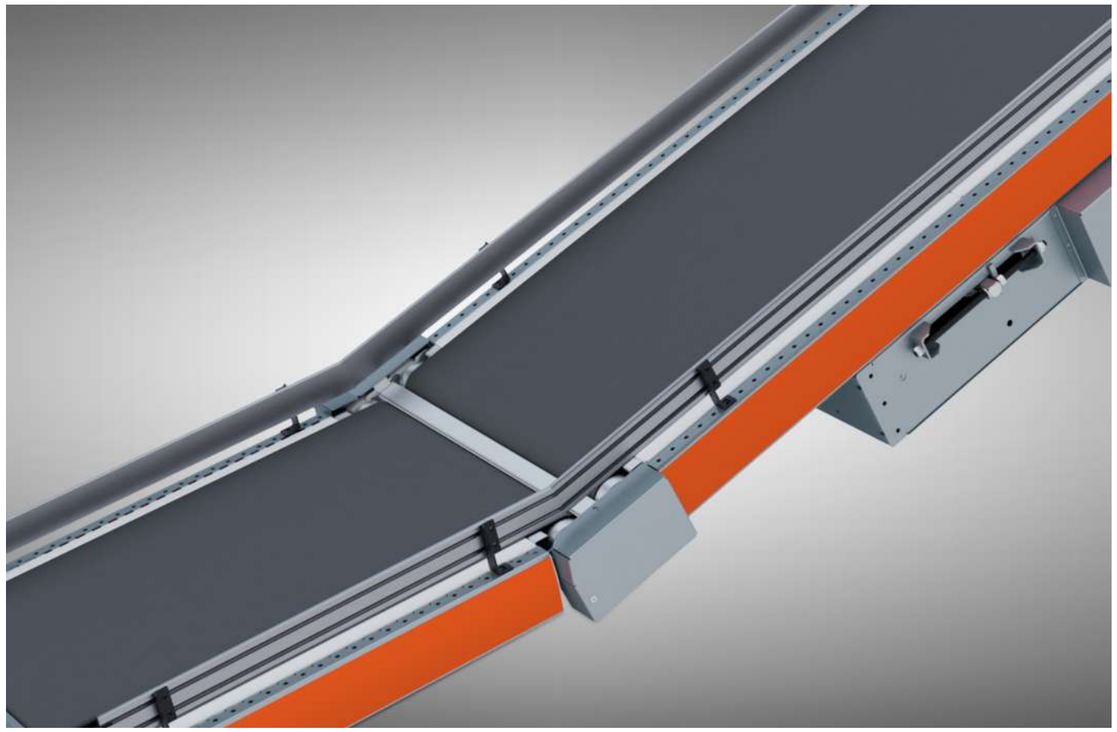
Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
L	Conveyor length	500, 750, 1000, 1250, 1500, 1750, 2000, 2250, 2500 2750, 3000 mm
P	Roller pitch	62, 83, 104, 125 mm



Accessories:

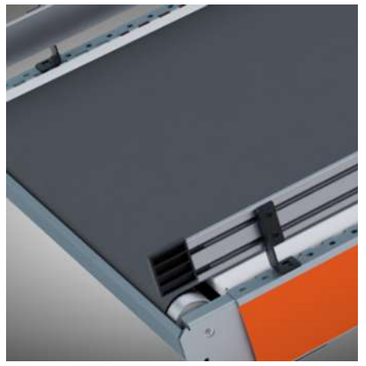
- Band
- Band ends
- Supports
- Connectors

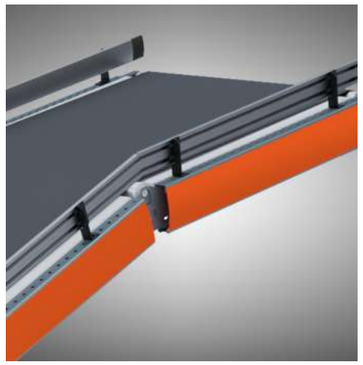
BELT CONVEYORS



Belt conveyors are used to transport items of standardized shapes and of various sizes. The advantage of this type of equipment is very low noise and minimal vibration during operation. The use of an electric drive ensure a high smoothness of work and a large torque, which is available from the moment of commissioning.

Lifting belt conveyors are necessary for transporting objects between levels. They are characterized by high efficiency.





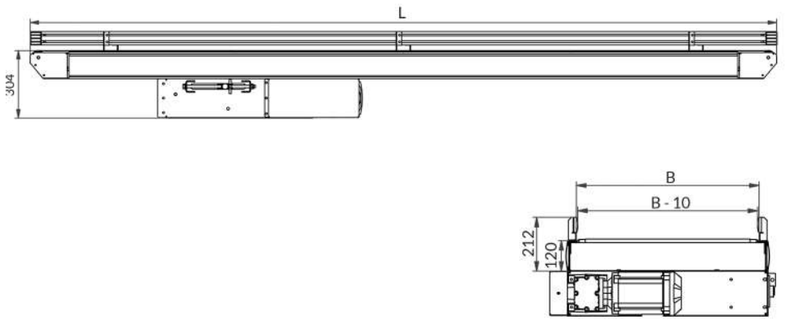
BELT CONVEYOR

It is a high-performance device, which, thanks to its design, supports the object over the entire surface of the base. It is an ideal solution for transporting small items, poly mailers and all packaging with an unhardened bottom. The conveyor consists of a drive console, steel frame, conveyor belt, tensioning belt support roller system and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Belt material: Poliester i PVC
- Construction surface material: Galvanized steel
- Voltage type: 400V
- Drive transmission element: Transporting belt
- Type of drive transmission: from the drive roller to the transporting belt

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
T	Waist width	350, 550, 750 mm
L	Conveyor length	1500 ÷ 15000 mm
N	Motor power	0,37 ÷ 3 kW



Accessories:

- Band
- Band ends
- Supports
- Connectors
- Control cabinet

BELT CONVEYORS

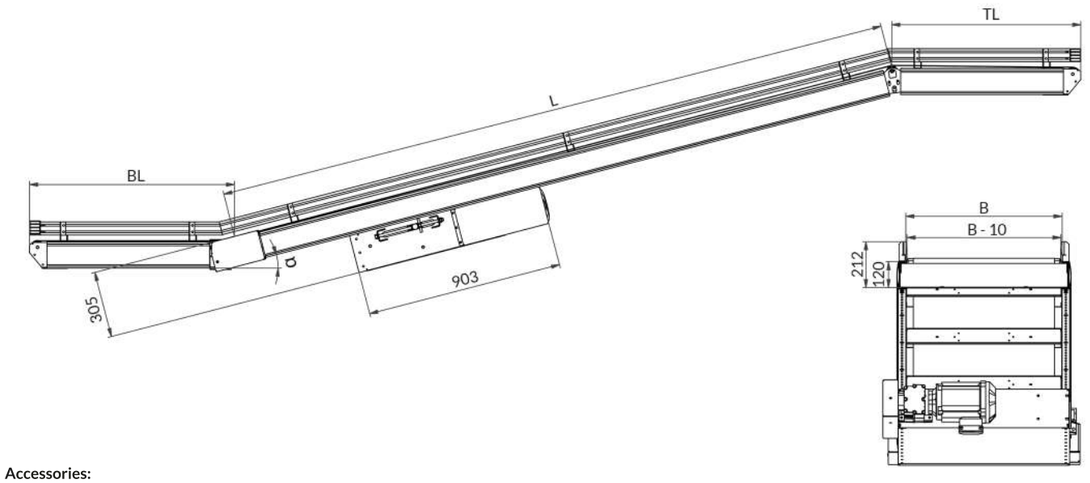
LIFTING BELT CONVEYOR

Used in places where it is necessary to transport the item at different levels. Thanks to the gentle upper and lower fractures, the object smoothly overcomes hills. The device consists of a drive console, steel frame, conveyor belts, tensioning belts, support rollers system and blends.

Technical specifications:

- Maximum load: 50 kg/m
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Belt material: Poliester i PVC
- Construction surface material: Galvanized steel
- Voltage type: 400V
- Drive transmission element: Transporting belt
- Type of drive transmission: from the drive roller to the transporting belt

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
T	Waist width	350, 550, 750 mm
L	Conveyor length	1500 ÷ 15000 mm
BL / TL	Length of breaking	600 ÷ 3000 mm
N	Motor power	0,37 ÷ 3 kW
α	Tilt angle	max. 18°



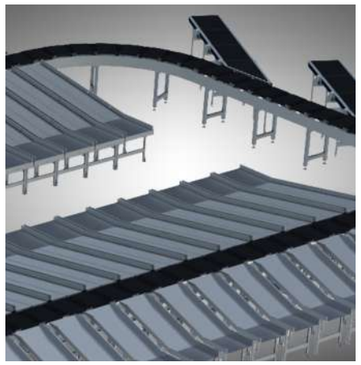
Accessories:

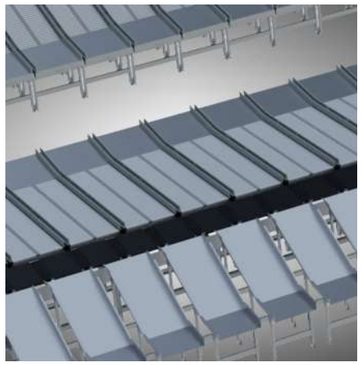
- Band
- Band ends
- Supports
- Connectors
- Control cabinet

SORTERS

The main task of sorters (sorting lines) in warehouses is to support the process of picking and distributing goods. They often become an inseparable element of the system of transport and transshipment of goods in retail, wholesale and e-commerce.

Sorting machines can identify the goods and - through other devices - carry them to the designated purpose, e.g. order picking point. In addition, they can be equipped with more functions, such as labeling, packaging, measuring dimensions and weight control.





NARROW BELT SORTER

Narrow Belt Sorter uses a set of narrow straps to carry the product over the sorter's surface. In addition, the sorter is equipped with high-friction rollers to enable the dropping of goods. They allow the goods to be picked up from the conveyor for redirection under the 90° account to the right or left. The continuous contact of the belt with the product ensures maximum guidance accuracy, which affects the sorting reliability.

Technical specifications:

- Products transported: cartons, boxes, trays
- Product dimensions: minimum 200 x 100 x 20 mm
  maximum 1400 x 800 x 800 mm
- Conveyor width: 500 mm - 1100 mm.
- Pop-up's lifting: pneumatic
- Drive transmission element: Polyurethane belt
- Environmental temperature: 0°C ÷ 40°C
- Weight of products: 0,25 - 50 kg
- Actual preformance: up to 6000 packages/ h
- Max speed: 1,5 m/s
- Number of stripes: 3-13
- Voltage type: 400V

Accessories:

- Band
- Band ends
- Supports
- Control cabinets

CROSS BELT SORTER

Cross Belt Sorter is an automated device for sorting goods based on sales orders. The products are placed on large, four-sided trays, either manually or automatically. In the right place, the tape-tray directs the goods on it to one side or the other (right or left). The sorter can be oval, U-shaped or linear. The device's design is influenced by the available built-in space and the number of target channels and slots necessary to maximize system performance optimization. The Cross Belt Sorter allows to create several sorting areas in just one cycle.

Technical specifications:

- Products transported: cartons, boxes, trays, envelopes
- Product dimensions: minimum 75 x 75 x 5 mm
  maximum 600 x 400 x 400 mm
- Conveyor width: 500 mm - 1100 mm
- Drive of trays: electric rollers 24V
- Trolley drive transmission element: transport belt
- Environmental temperature : 0°C ÷ 40°C
- Weight of products: 0,10 - 25 kg
- Actual preformance: up to 16000 packages/ h
- Max speed: 18 m/s
- Number of trolleys: individually according to client's needs
- Voltage type: 400V

Accessories:

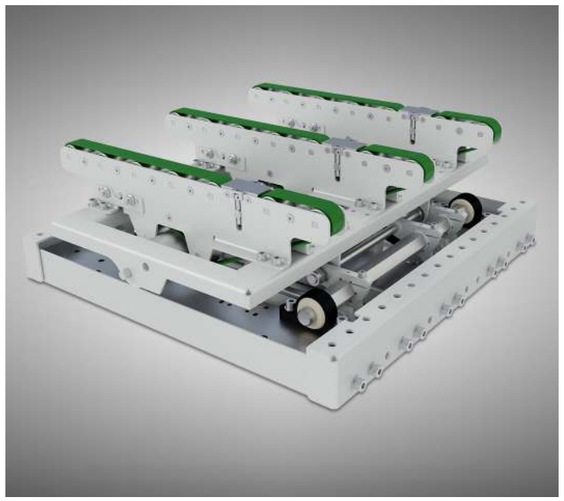
- Band
- Band ends
- Supports
- Control cabinets

SPECIALIZED SYSTEMS

In complex warehouse automation systems it is necessary to use advanced devices in conveyor nodes. They support the redirection of objects to the side lines, change the direction of movement and arrangement.

All such devices are electrically powered - 24 V.

BELT TRANSFER

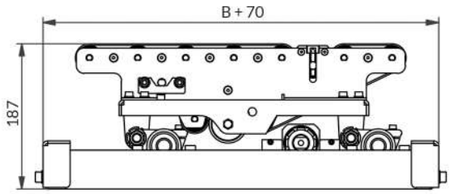


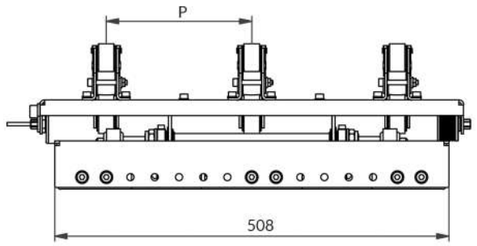
The basic function of belt transfers used in warehouse automation systems is to shift the load between parallel or perpendicular lines (picking stations). Objects are lifted by means of an electric motor and then shifted to the side line by means of transmission belts. The load is transferred perpendicularly to the direction of travel with the simultaneous change of its orientation by 90°.

Technical specifications:

- Maximum load: 50 kg
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Driving angle: 90°
- Maximum number of skids: 4
- Voltage type: 24V
- Drive transmission element: Transmission belt
- Type of drive transmission: from the drive roller to the drive belt

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
P	Distance between skids	min. 125 mm





SPECIALIZED SYSTEMS

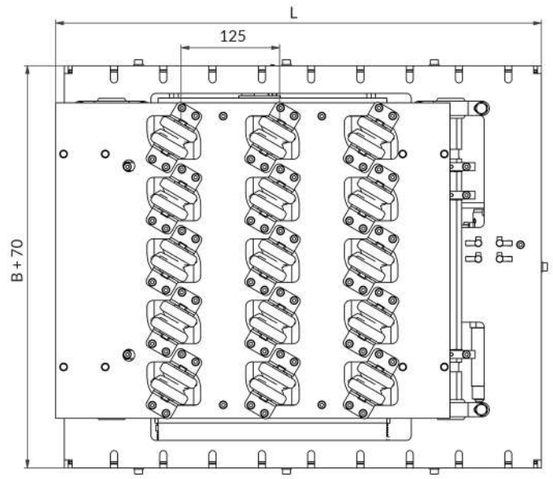
POP-UP

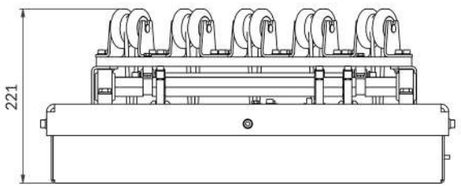
Pop-Up is used to redirect loads to a line set at an angle of 30° or 45°. The objects are lifted by means of an electric motor and then moved through the rollers at a suitable, fixed angle. For thisdevice, the item does not change the orientation of the position during redirection.

Technical specifications:

- Maximum load: 50 kg
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Driving angle: 30° / 45°
- Drop direction: Right or left
- Maximum numer of skids: 6
- Voltage type: 24V
- Drive transmission element: Polyurethane belt
- Type of drive transmission: from electronics to roller

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm





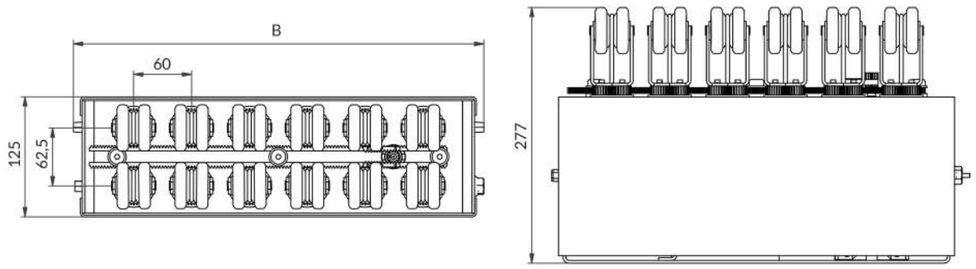
DIVERTER

The diverter is used to direct objects to lines at an angle of 30°, 45° or 90°. Loads are redirected according to the setting of the rotary rollers. In some cases, it is possible to change the orientation of an object by 90°.

Technical specifications:

- Maximum load: 50 kg
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 1 m/s
- Driving angle: 30° / 45° / 90°
- Number of rolls: 2
- Voltage type: 24V
- Drive transmission element: polyurethane belt
- Type of drive transmission: from the drive roller to the roller

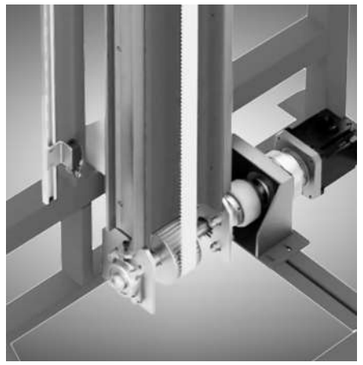
Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm

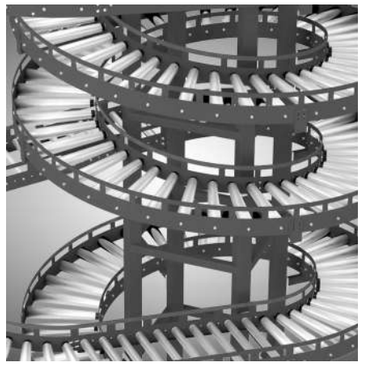


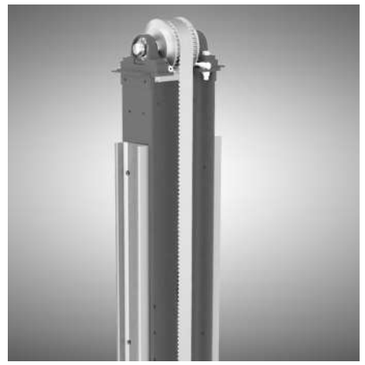
WAREHOUSE LIFTS

These are complex structures that enable vertical transport of objects on several floors. They occupy a small area, have high performance and high functionality.

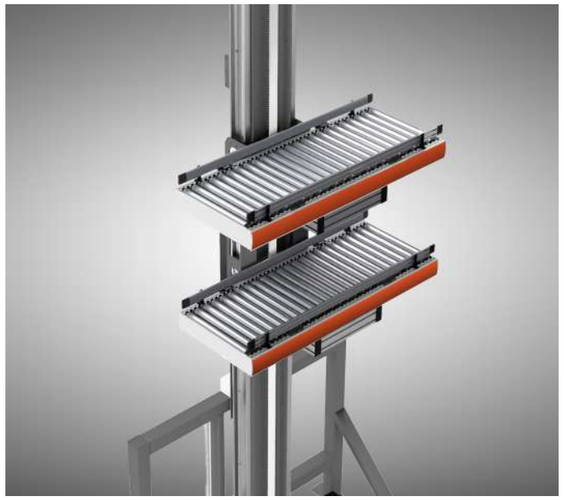
We offer electrically operated vertical lifts cooperating with advanced automation systems and spiral lifts, which complement the multi-level buildings.







VERTICAL LIFT

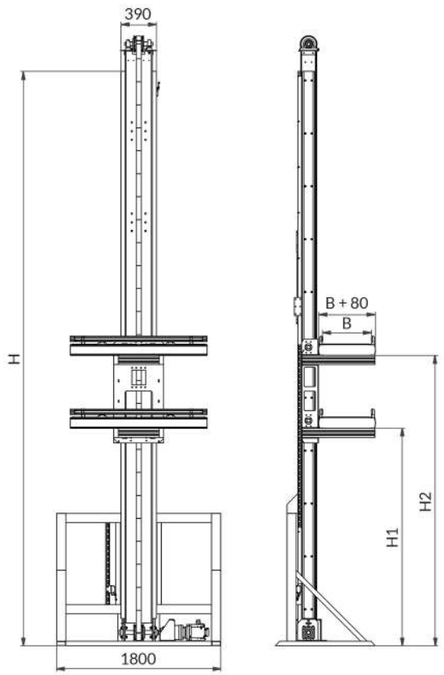


Vertical lift allows to transport goods vertically on maximum four levels. All lifts are individually designed according to customer requirements. Carriages are fully configurable in terms of width, number of zones and band height. The devices are offered in a set containing: stand, lift pole and carriage - zone conveyors.

Technical specifications:

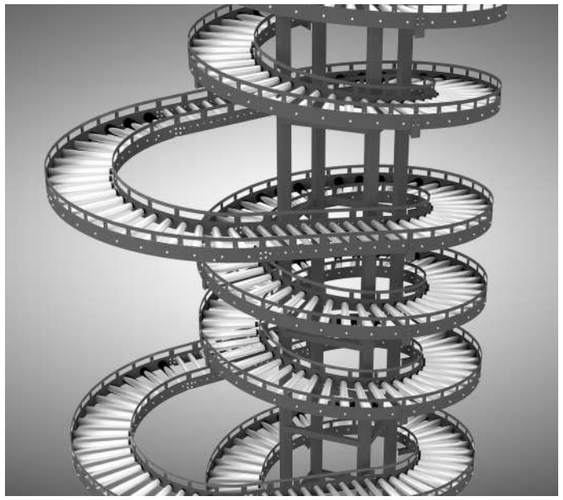
- Maximum load: 150 kg
- Environmental temperature: 0°C ÷ 40°C
- Max speed: 2 m/s
- Number of carriages: 1 ÷ 2
- Motor type: Motor with a brake
- Voltage type: 400V
- Max Motor power: 4 kW
- Drive transmission element: Serrated belt

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
H1	Height of lower carring	min. 700 mm
H2	Height of upper carring	H1 + 800 mm
H	Lift height	max. 12000 mm



WAREHOUSE LIFTS

SPIRAL LIFT

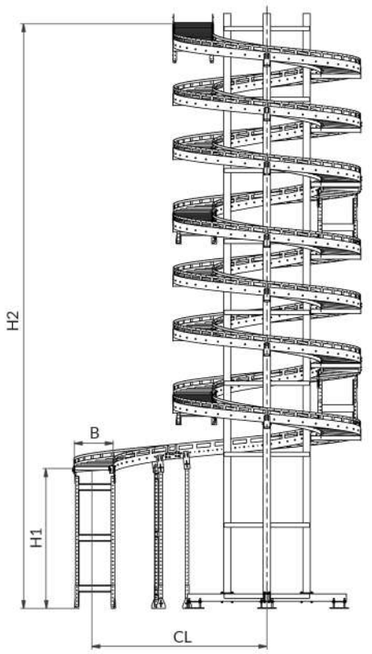


A spiral elevator is a solid structure built of gravity curves based on a support frame. Its dimensions depend on the transported objects and the place of installation. All elevators are individually designed according to customer needs. The devices are offered in a set including: supporting structure, gravitational arches, straight gravity sections and supports.

Technical specifications:

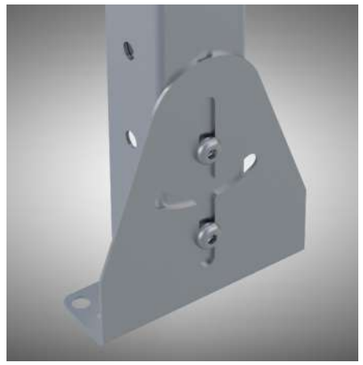
- Maximum load: 50 kg/m
- Environmental temperature: -5°C ÷ 40°C
- Speed depends on the product
- Spiral pitch: 750 mm

Symbol	Explanation	Dimensions
B	Roller width	540 mm
H1	Height 1	Customized
H2	Height 2	max. 12000 mm
CL	Line width	max. 920 mm



ACCESSORIES

Complementary components allow the conveyors to be configured to suit the needs. Accessories are divided into mechanical and electrical. Mechanical elements are used to attach or stabilize conveyors. Electric ones increase the functionality of the system.



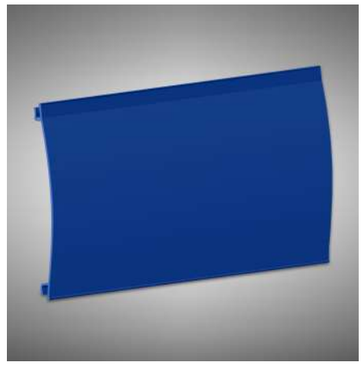
BLEND

Blend is a cover made of PVC, whose task is to hide and protect the electrical installation located within the devices. In addition, it affects the aesthetic appearance of conveyors. Blends are available in three colors, and their length depends on the order.

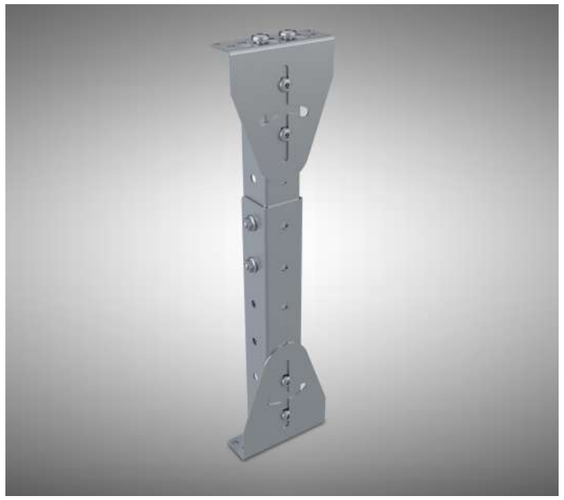
Technical specifications:

- Material: PVC
- Available in three colors: Orange, Blue, Grey
- Length of blends depends on type of order

Symbol	Explanation	Dimensions
L	Lenght	max. 3000 mm



SINGLE SUPPORT

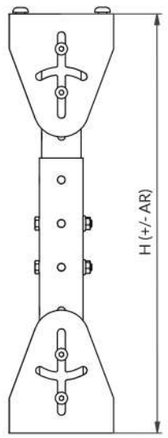


A single support is intended for fixing conveyors to the ground. Available height is in the range of 480 - 2000 mm with additional calibration useful to compensate for uneven ground. It is made of galvanized steel. The single support is used for angular entrances and 60°, 90° arches.

Technical specifications:

- Maximum load: 150 kg
- Minimum leg height: 480 mm

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
H	Leg height	480 ÷ 2000 mm
AR	Adjustment range	80 mm



ACCESSORIES

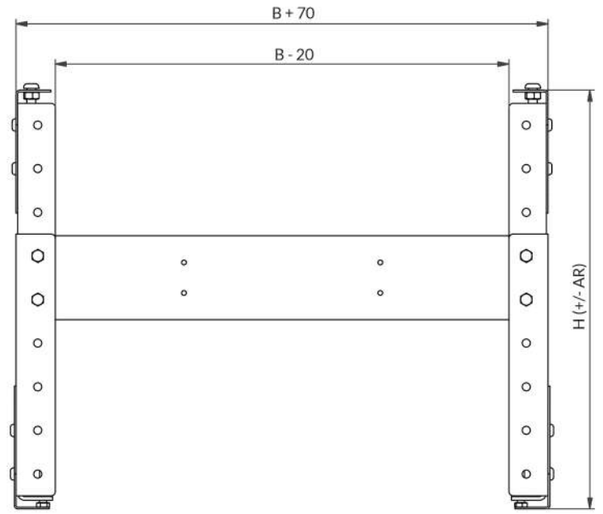
LIGHT SUPPORT

A support is intended for fixing conveyors to the ground. Available height is in the range of 480 - 2000 mm with additional calibration useful to compensate for uneven ground. It is made of galvanized steel. The light support can be used in all types of conveyors.

Technical specifications:

- Maximum load: 150 kg
- Minimum leg height: 480 mm
- Number of crossbars: 1 for height from 480 to 800 mm
  2 for height from 800 to 1400 mm
  3 for height from 1400 to 2000 mm

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820 mm
H	Leg height	480 ÷ 2000 mm
AR	Adjustment range	80 mm



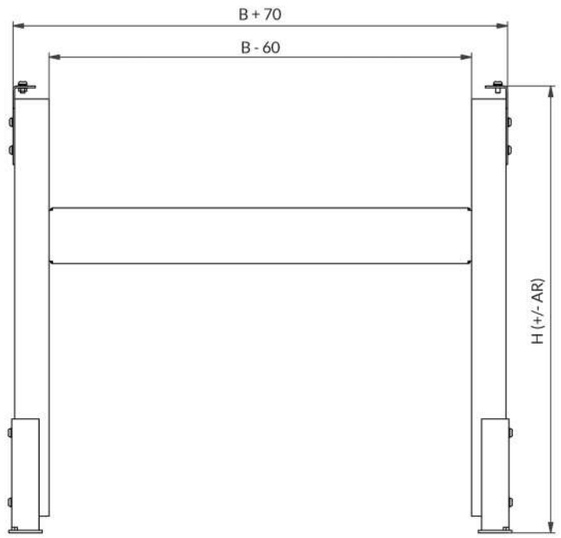
HEAVY SUPPORT

The support is intended for fixing conveyors to the ground. Available height in the range of 480 - 2000 mm with additional calibration useful to compensate for uneven ground. The heavy support is covered with a varnish coat. Heavy support can be used in each type of conveyors, especially in heavy load lines.

Technical specifications:

- Maximum load: 250 kg
- Minimum leg height: 480 mm
- Number of crossbars: 1 for height from 480 to 800 mm
  2 for height from 800 to 1400 mm
  3 for height from 1400 to 2000 mm

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
H	Leg height	480 ÷ 2000 mm
AR	Adjustment range	60 mm



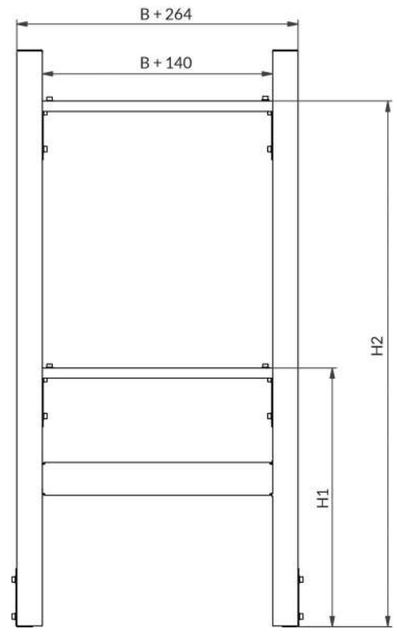
STOREY SUPPORT

Storey support is intended for fixing conveyors to the ground. Available height 2000 mm with additional calibration useful to compensate for uneven ground. The support is made of galvanized steel. Heavy supports are used in the two or three storeyed lines.

Technical specifications:

- Maximum load: 250 kg
- Minimum leg height: 480 mm

Symbol	Explanation	Dimensions
B	Roller width	420, 620, 820, 1020 mm
H1	Height 1	480 mm
H2	Height 2	2000 mm



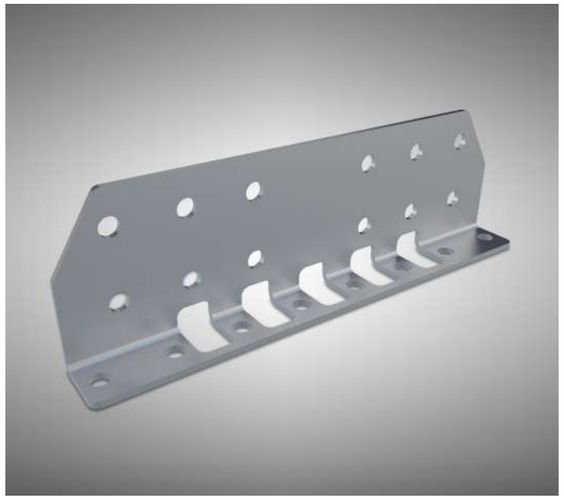
BAND

The bands are used to secure the transported product against sliding off the conveyor line. We offer aluminum bands with polymer endings. We adapt the profile by rolling on sections of curves, connecting and direction-changing nodes to ensure the correct flow of cargo. The top edge of the band is about 90 mm above the conveyor.

Bands components:

- Aluminium profile 60 x 15 mm
- Steel band holders
- Polymer band connectors
- Polymer band ends

CONNECTOR



Connectors are made of a thick galvanized sheet. They allow to connect conveyors modules in a fast and solid way. Each place of connecting requires two elements.

Technical specifications:

- Connector material: galvanized sheet 3 mm
- Hole perforation adapted to each type of conveyor

ACCESSORIES

SENSOR

Sensors detect objects on conveyors and determine their location. They are installed on the conveyor frame together with a reflection mirror that reflects the impulse from the sensor. The kit includes a sensor with a cable and a handle.

Technical specifications:

- Way of functioingn: reflection photo relay
- Detection range: 5 m
- Type of connection: 2 meter cable with M8 plug, 4 pin

MIRROR

The mirror reflects the light beam back to the sensor. The kit includes a mirror and a handle. The mirror with handle is installed directly to the conveyor frame .

Technical specifications:

- Material: PMMA/ABS
- Dimensions: 60 x 19 mm

SCANNER

The scanner is a device designed to read information saved in the form of a bar code. The reader emits a light beam using a laser diode. A beam of light directed at the bar code reflects and returns to the scanner mirror.

Technical specifications:

- Reading point: from the side 105°
- Reading distance: 25 - 330 mm
- Type of connector: 0,9 meter cable with plug 15 pin

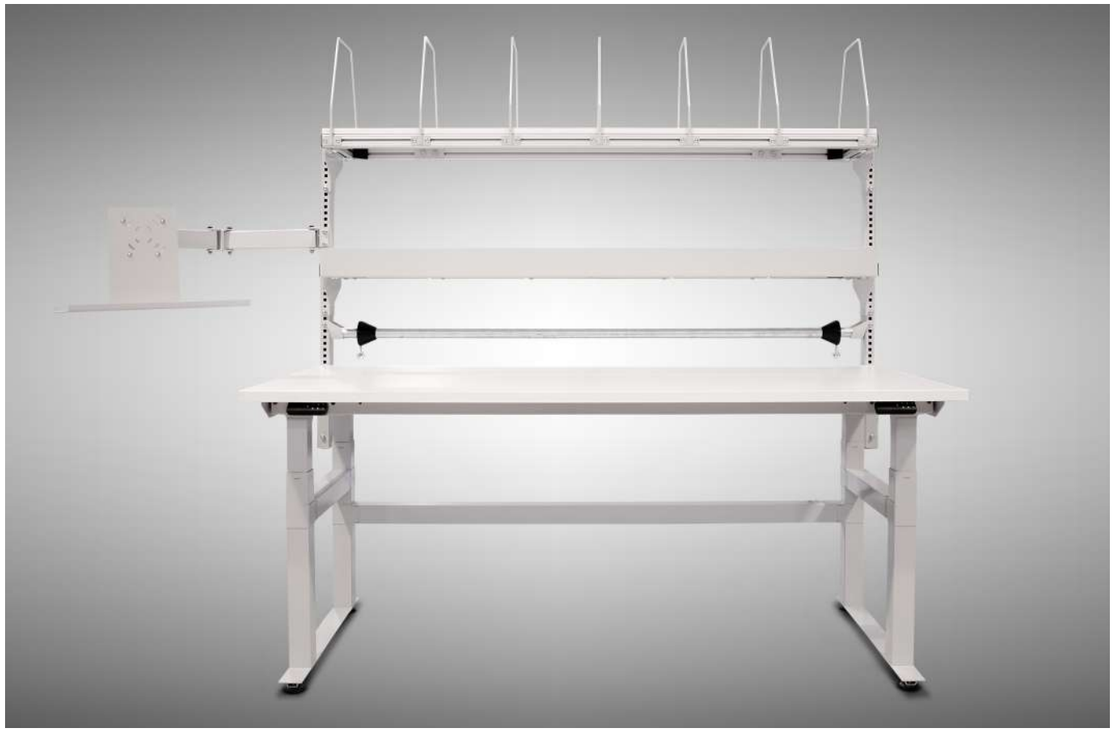
CONTROL CABINET

The control cabinet is designed and constructed according to customer requirements. Contains all mechanical and electrical components necessary to control devices. The dimensions of the cabinet depend on the size of the transport system with which it will work.

Technical specifications:

- Vailable in several sizes
- Works with all conveyors from our offer
- Optional PLC panel

PACKING BENCHES

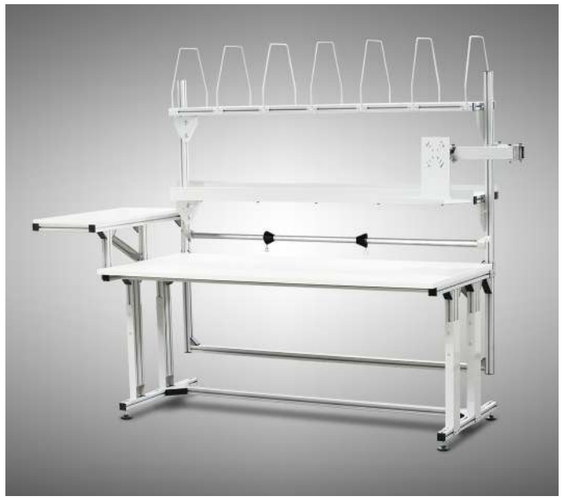


Specialized, modular packing benches are equipped - depending on the model - with automatic or manual height adjustment of the top. They increase the ergonomics and comfort of work of the packing person. They optimize the space and significantly reduce the time of packing operations.

Higher efficiency obtained thanks to the use of tables translates into a measurable financial advantage. Our product is available in many functional variants due to the possibility of using additional elements.

We offer packing benches made of aluminum and steel profiles.

PACKING BENCH RGX-001A



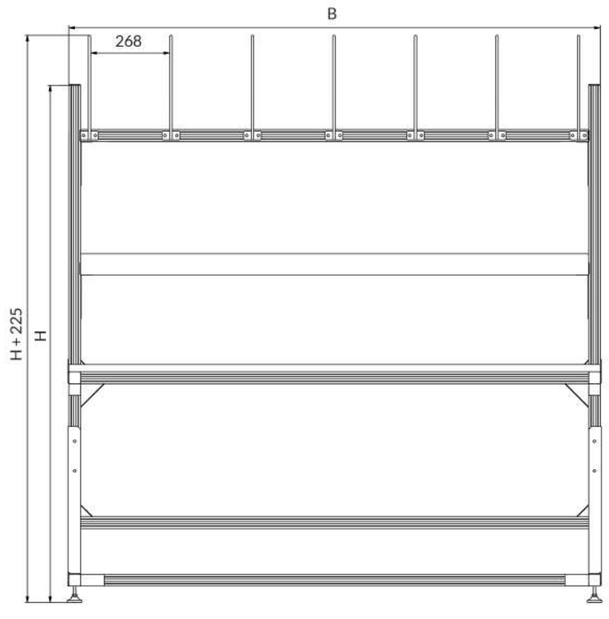
Specialized, modular packing bench for order picking with manual height adjustment of the top.

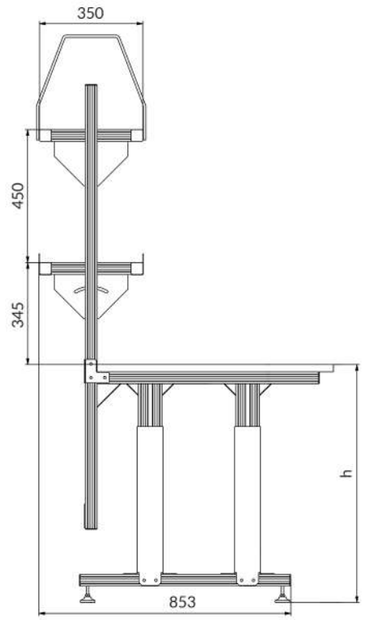
The table structure is made of high quality aluminum profile and dedicated connecting elements

Technical specifications:

- Durable, stable and light construction made of aluminum profiles
- Optimalized ergonomy
- Adjustable height of table top and shelve
- Adjustable top shelf with a separator for cartons
- Steel, powder-coated shelf
- 25 mm laminated worktop, reinforced edges 2mm(ABS)
- Leveling supports for placing the bench on uneven ground
- Product available in widths: 1400, 1600, 1800, 2000 mm

Symbol	Explanation	Dimensions
B	Table width	1400, 1600, 1800, 2000 mm
H	Table height	1650 ÷ 1900 mm
h	Table height adjustment	750 ÷ 1000 mm



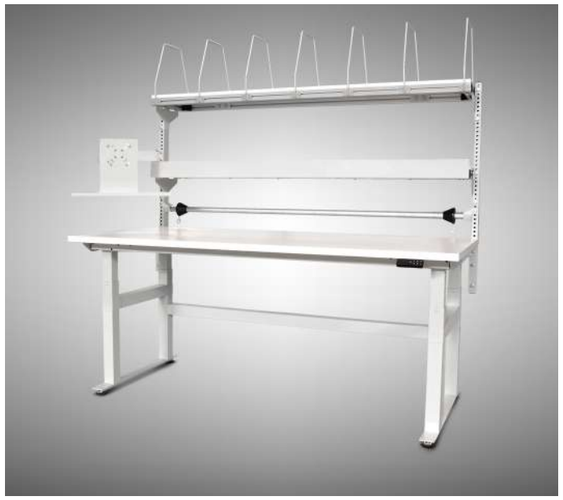


Options available:

- Adjustable multimedia holder for mounting the monitor
- Additional side shelves with possibility to install on both sides
- Side crossbar for stretch foil

PACKING BENCHES

PACKING BENCH RGX-001S



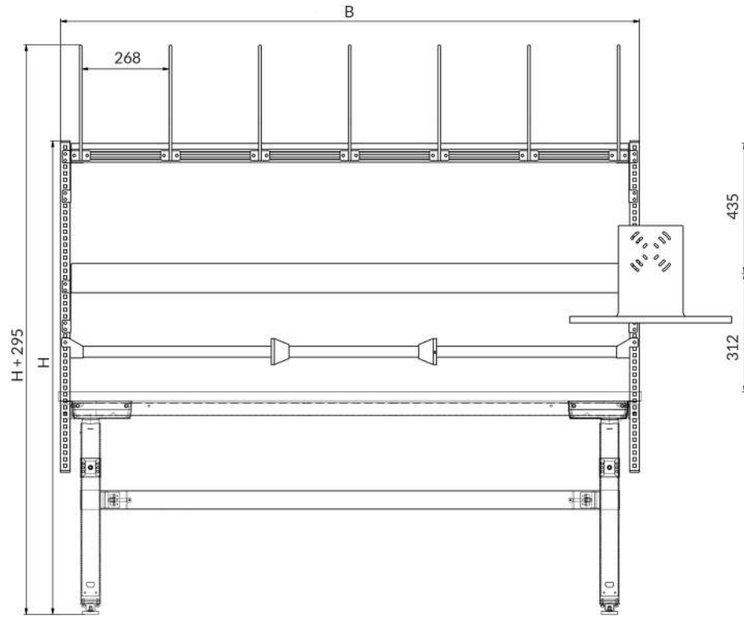
Specialized, modular packing bench for order picking with manual height adjustment of the top.

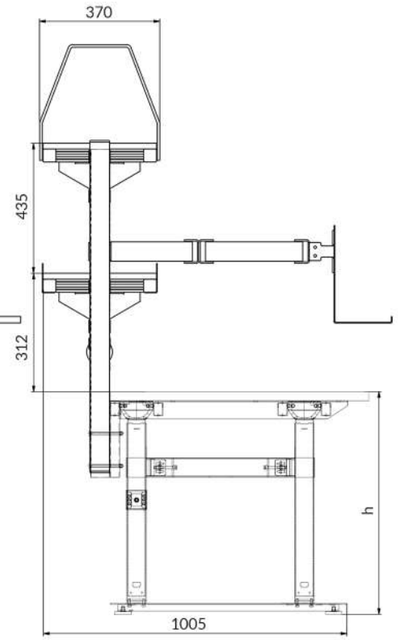
The table structure is made of high quality steel profile and dedicated connecting elements.

Technical specifications:

- Automatic (electrical) adjusting of worktop height
- Control panel with memory for four height settings of the table
- Durable, stable and light construction made of steel powder-coated profiles.
- Optimized ergonomics.
- Top shelf with a separator for cartons.
- Steel, powder-coated shelf for small items, trays, containers with adjustable height
- Adjustable supports for leveling the bench on uneven ground
- Product available in widths 1400, 1600, 1800, 2000 mm

Symbol	Explanation	Dimensions
B	Table width	1400, 1600, 1800, 2000 mm
H	Table height	1430 ÷ 1830 mm
h	Table height adjustment	685 ÷ 1085 mm





Options available:

- Adjustable multimedia holder for mounting the monitor
- Additional side shelves with possibility to install on both sides
- Side crossbar for stretch foil

OUR REALIZATIONS

AUTO PARTNER S.A.

Warehouse construction and automation for the company Auto Partner S.A. from Pruszkow.

Project assumptions:

- 4-level racks,
- The usage of “Z-shaped” conveyors over the communication aisles providing the free access
- Sorting orders through transverse transfers
- Constant monitoring of orders,
- High efficiency horizontal lift - 1000 boxes/h

The efficiency of all warehouse automation is 2500 boxes / h.

NOTES

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