



Modular Conveyor Units

for Material handling & Sorting
Industrial Automation



ETON INDUSTRIAL INNOVATIONS CO.,LTD.

Founded in 2002, the company is located in the beautiful seashore city Dalian, covering an area of 18,000 square meters and has more than 200 employees. The company is a leading manufacturer of logistics conveying equipments and modular industrial assembly system.

The company's management mechanism is mature, and it has passed the IS09001 quality management system certification and trademark system certification, and has many patent certificates. And the company has established long-term cooperative relationship with well-known enterprises, science institutes and system integrators at home and abroad. ETON always strives to improve product quality and provide you with better service.

— Best service,
highest quality. —



Roller Conveyor

Shaft drive roller conveyor	01
Belt drive roller conveyor	03
Poly-V belt drive roller conveyor	05
Chain drive roller conveyor	07
Angle roller conveyor	09
Curve roller conveyor	11



Belt conveyor

Curve belt conveyor	13
Straight belt conveyor	15
Angle belt conveyor	17
Angle strip belt conveyor	19



Sorter

Turning wheel sorter	21
Lift and transverse sorter	23





Modular Logistics Conveyor System

- The modular logistics conveyor system is the basis of intelligent factory.
- The conveyor line conveys, loads and unloads the material to improve working efficiency, lower labor intensity, save labor cost and reduce the damage to the handled materials and improve the product quality.
- The conveyor line is classified as below by conveying type: roller conveyor line, belt conveyor line, chain conveyor line, chain plate conveyor line, chain belt conveyor line.
- The logistics conveyor line can realize the horizontal, oblique, lifting and spiral conveying and form the conveying route in the space.
- According to different process requirements, the logistics conveyor line can work with intelligent data collector and logistics information software systems (WMS, WCS system etc.) to realize the intelligent scanning and sorting, and the distribution, confluence and direction change of materials etc.
- The system is mainly used in express parcels sorting, airport luggage conveying, warehouse and storage, shopping mall and supermarket delivery, and factory internal material transfer etc, and also widely used in furniture industry, tobacco industry and food industry etc.

■ Modularization

■ High Performance

■ High quality

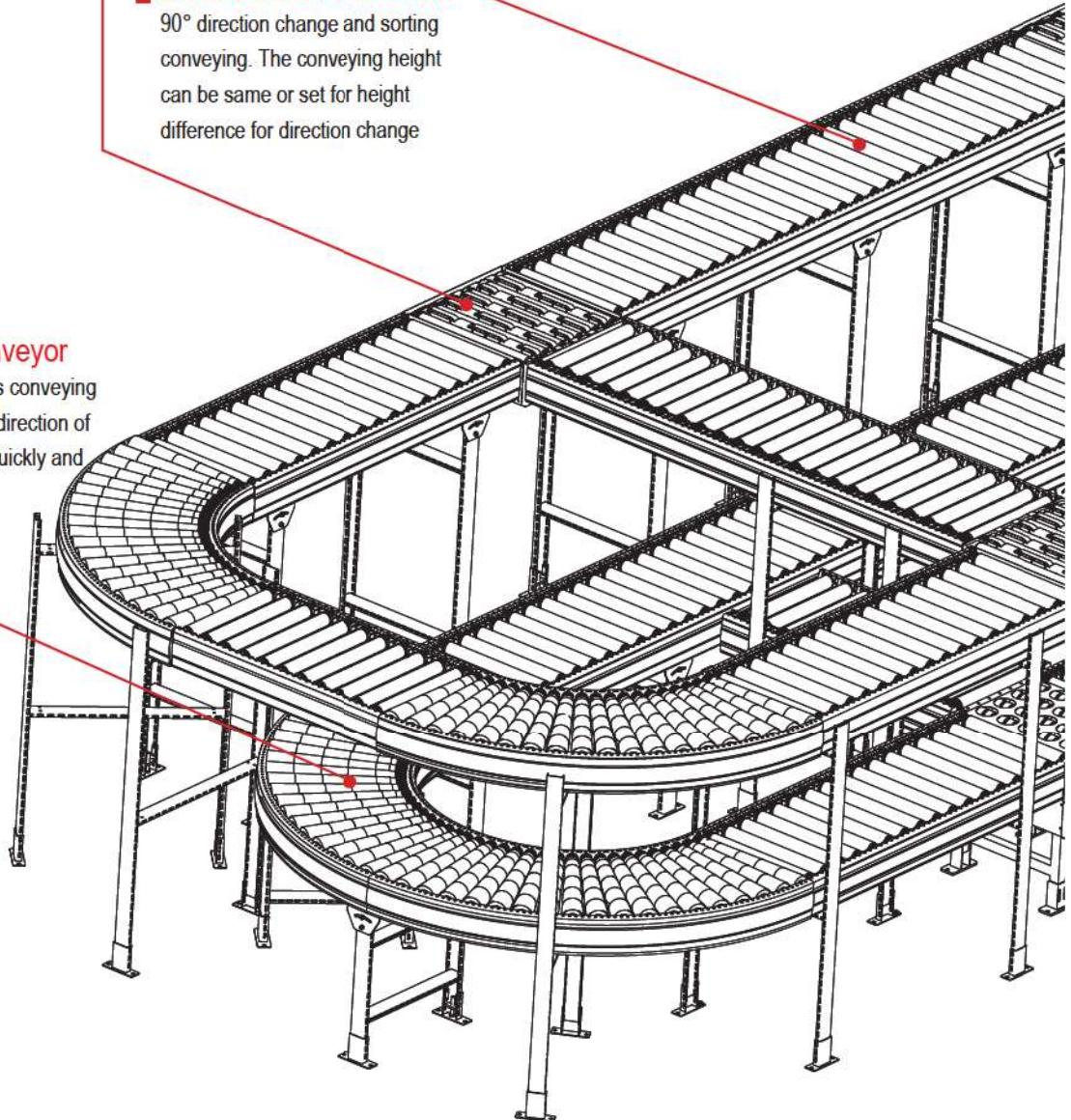
- Standard modules
- Flexible combination
- Quick installation
- Easy maintenance

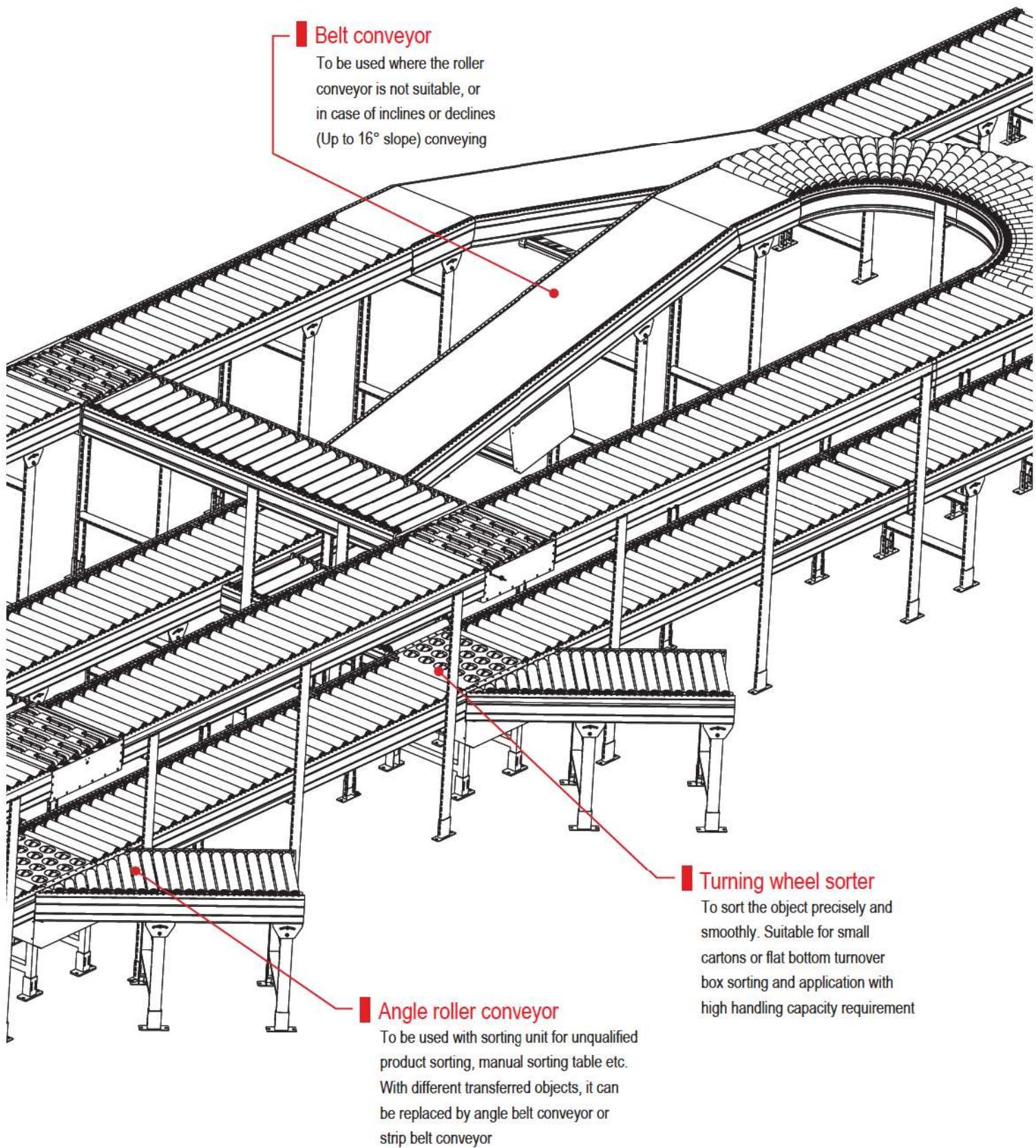
Lift and transverse sorter

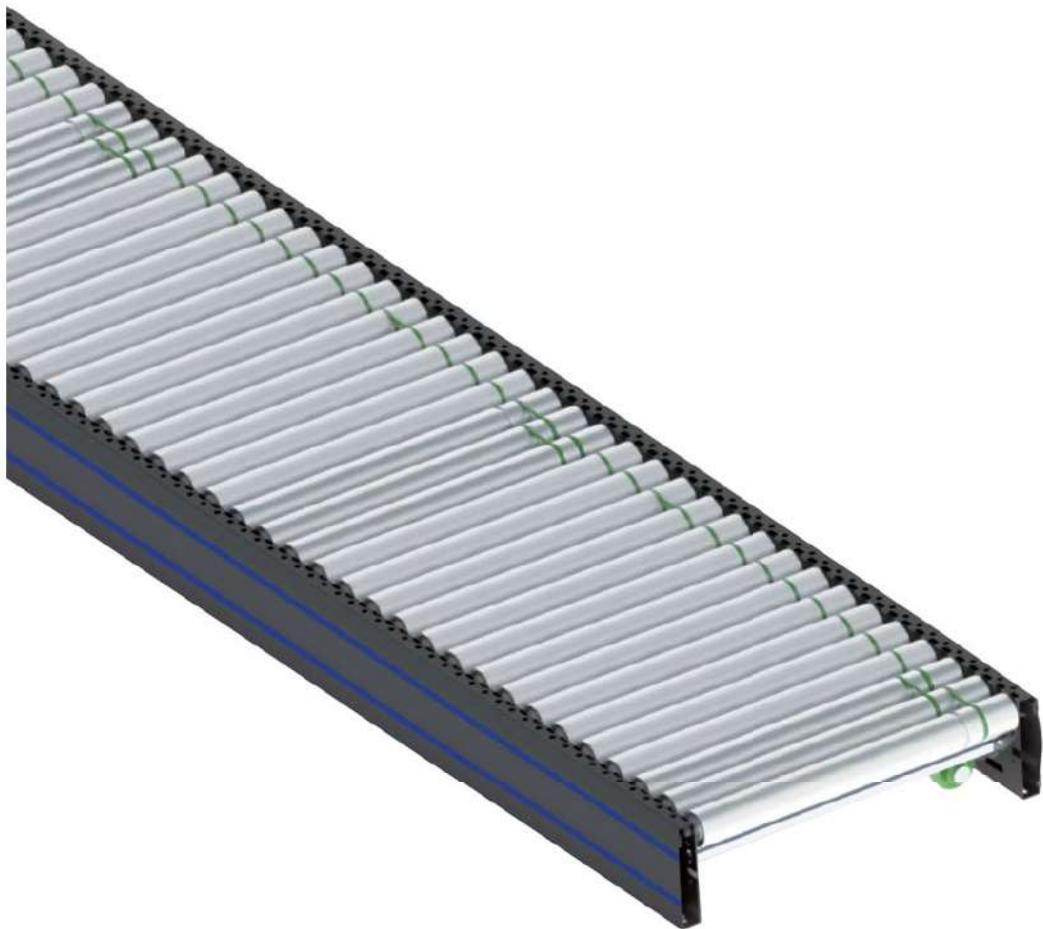
90° direction change and sorting conveying. The conveying height can be same or set for height difference for direction change

Roller conveyor(Straight section)

Different drive types to be chosen based on load capacity. Different drive mediums (electric roller, motor) are available







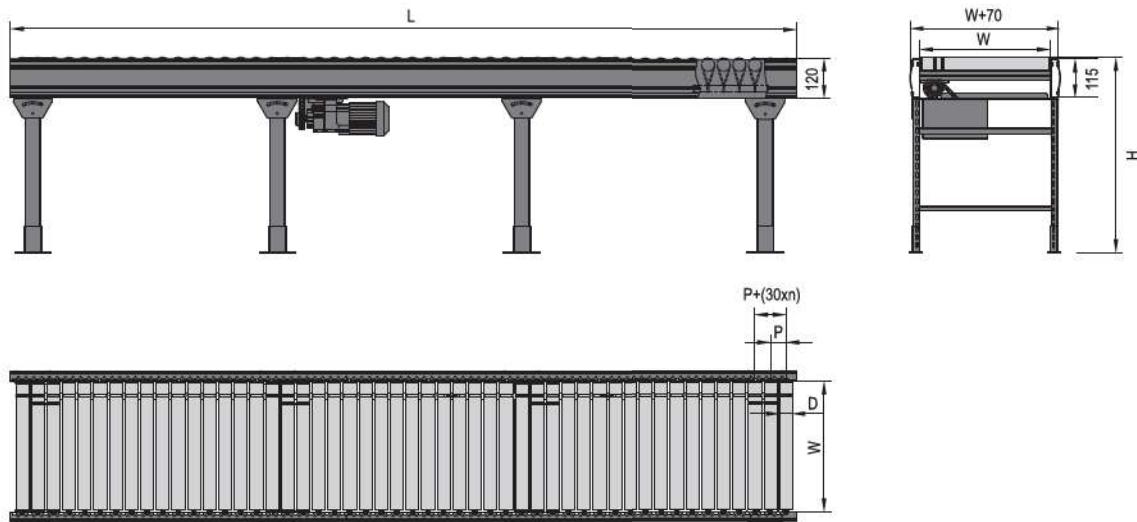
Shaft drive roller conveyor

Application and features

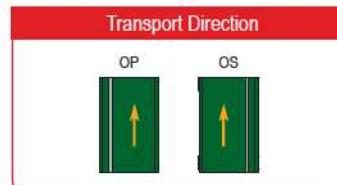
The shaft drive roller conveyor uses one drive unit to drive the complex conveying system to reduce the quantity of drive unit and lower the cost of the whole system. It is widely used in dust-free rooms, electronics assembly, foods and pharmaceuticals distribution centers etc.

- Low noise
- High cleanliness
- High Safety
- High cost performance

Technical Parameter



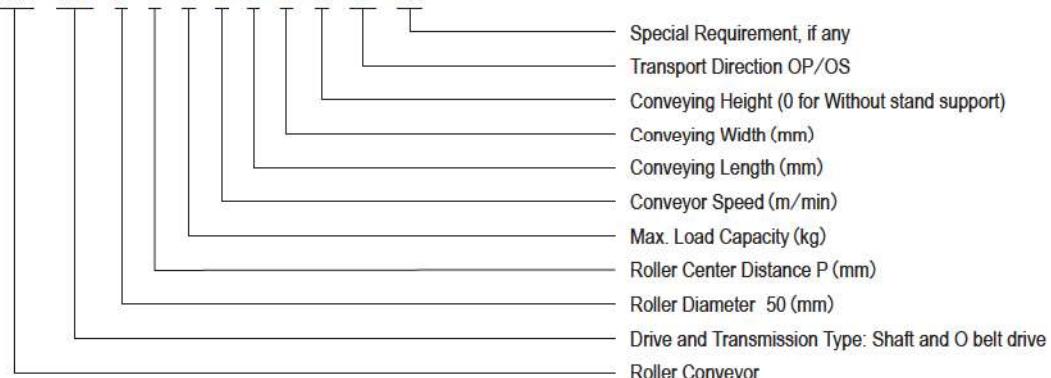
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width(W)	400mm/500mm/800mm
03	Conveying Length(L)	1m~5m (Standard section L=3m)
04	Conveying Height(H)	Stand support height adjustable
05	Roller Center Distance(P)	60mm/90mm/120mm
06	Roller Diameter(D)	Φ50mm
07	Transmission Type	O Belt (Φ 5mm)
08	Drive Type	Shaft
09	Motor Installation Type	Hang on the inner side of the frame
10	Conveyor Speed(V)	Vmax:50m/min (Recommended V:20m/min)
11	Voltage	380V/3ph/50Hz (Standard)
12	Power	0.25kw~0.75kw
13	Load Capacity(M)	Mmax:30kg/m



! Please contact us for special requirement.

Ordering Reference No.

CRC-TOD-D-P-M-V-L-W-H-OP-SR



Example:

CRC-TOD-50-60-60-20-L2000-W500-H750-OP

Roller conveyor – Shaft and O belt drive – Roller diameter Φ50mm – Roller center distance 60mm – Load capacity 60kg – Speed 20m/min – Length 2000mm – Width 500mm – Height 750mm - Transport direction OP



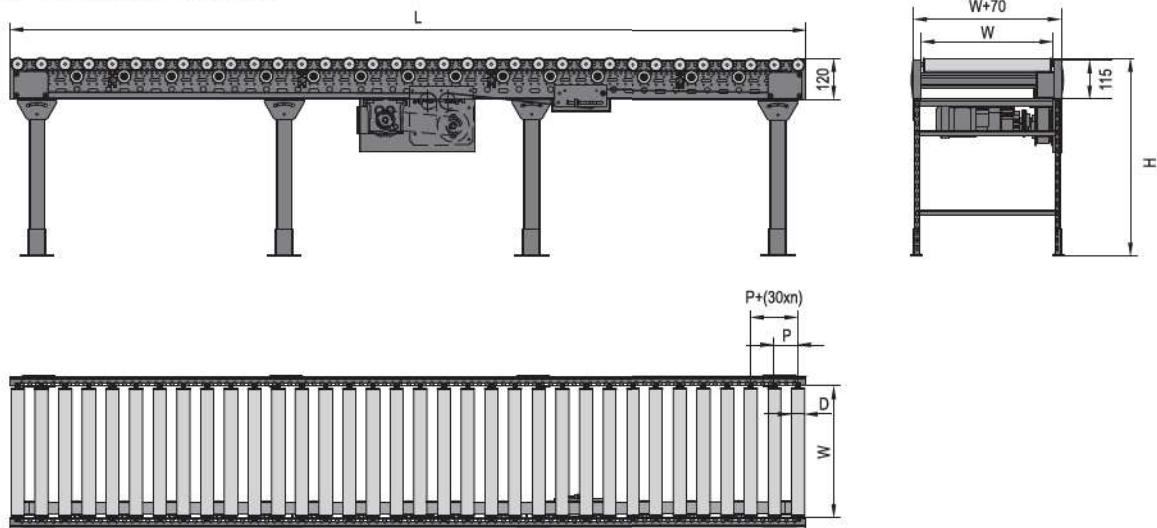
Belt drive roller conveyor

Application and features

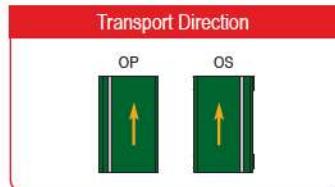
The belt drive roller conveyor uses the flat belt to drive the rollers and realize the high speed and high efficient conveying. The max. speed is up to 120m/min. It is widely used to convey the goods with solid bottom and suitable for middle and long distance conveying.

- High speed and high efficiency
- Easy for maintenance
- High cost performance
- Low noise

Technical Parameter



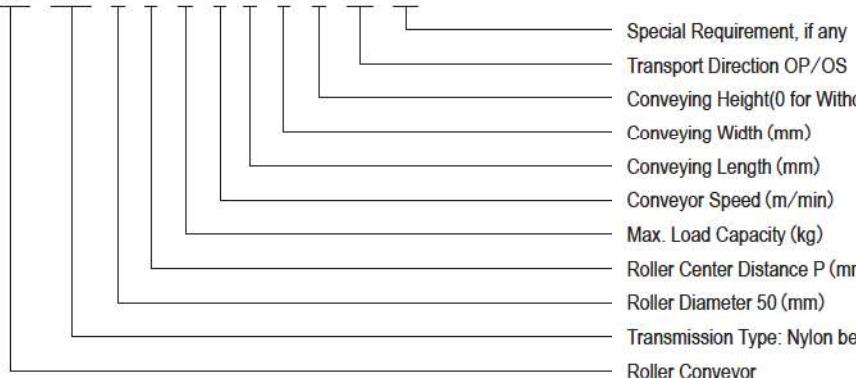
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width(W)	400mm/500mm/800mm
03	Conveying Length(L)	3m~20m
04	Conveying Height(H)	Stand support height adjustable
05	Roller Center Distance(P)	60mm/90mm/120mm
06	Roller Diameter(D)	Φ50mm
07	Transmission Type	Nylon belt
08	Drive Type	Center Drive
09	Motor Installation Type	Hang on the inner side of the frame, indirect drive
10	Conveyor Speed(V)	Vmax:120m/min (Recommended V:30m/min)
11	Voltage	380V/3ph/50Hz (Standard)
12	Power	0.25kw~1.5kw
13	Load Capacity(M)	Mmax:40kg/m



! Please contact us for special requirement.

Ordering Reference No.

CRC—DBD—D—P—M—V—L—W—H—OP—SR



Example:

CRC—DBD—50—60—80—20—L2000—W500—H750—OP

Roller conveyor -- Nylon belt for transmission -- Roller diameter φ50mm -- Roller center distance 60mm -- Load capacity 80kg -- Speed 20m/min -- Length 2000mm -- Width 500mm -- Height 750mm -- Transport direction OP



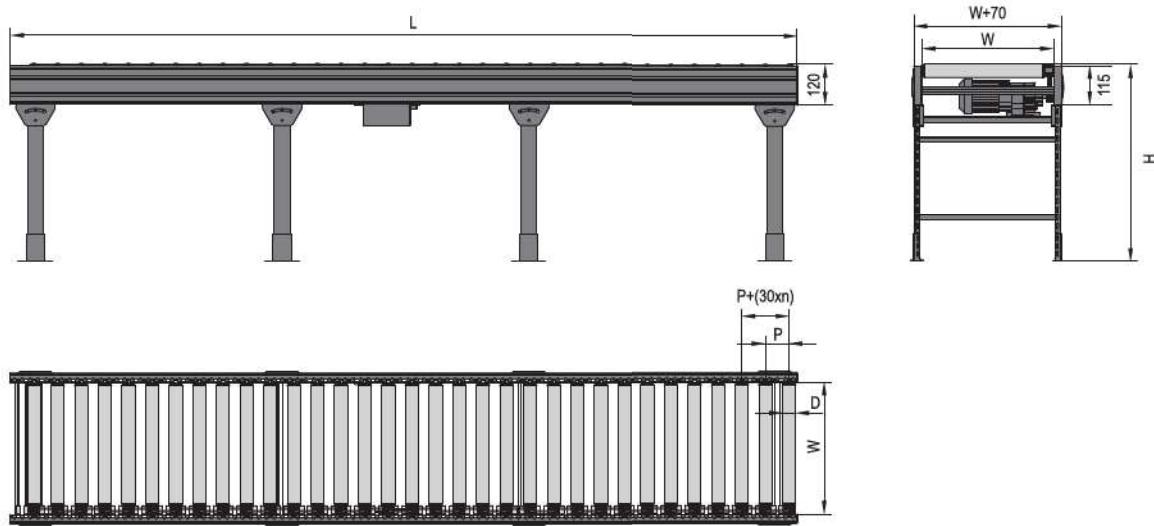
Poly-V belt drive roller conveyor

Application and features

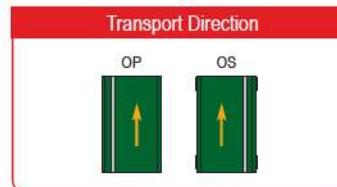
The Poly-V belt drive roller conveyor is transmitted by staggered Poly-V belts. The transmission is simple. It is easy for maintenance. The conveyor is normally used for light or middle duty turnover boxes etc.

- Big driving force
- Free lubrication
- Long service life
- Low noise

Technical Parameter



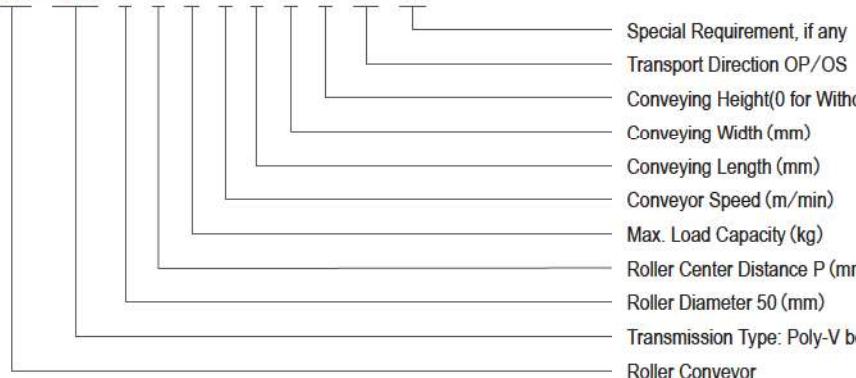
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width(W)	400mm/500mm/800mm
03	Conveying Length(L)	1m~3m (Max. 20pcs of rollers for each driven section)
04	Conveying Height(H)	Stand support height adjustable
05	Roller Center Distance(P)	60mm/90mm/120mm
06	Roller Diameter(D)	φ50mm
07	Transmission Type	Poly-V belt
08	Drive Type	Center Drive
09	Motor Installation Type	Hang on the inner side of the frame, indirect drive
10	Conveyer Speed(V)	Vmax:120m/min (Recommended V:30m/min)
11	Voltage	AC220V/50Hz (Standard)
12	Power	0.06kw~0.2kw
13	Load Capacity(M)	Max. 50kg for each driven section



! Please contact us for special requirement.

Ordering Reference No.

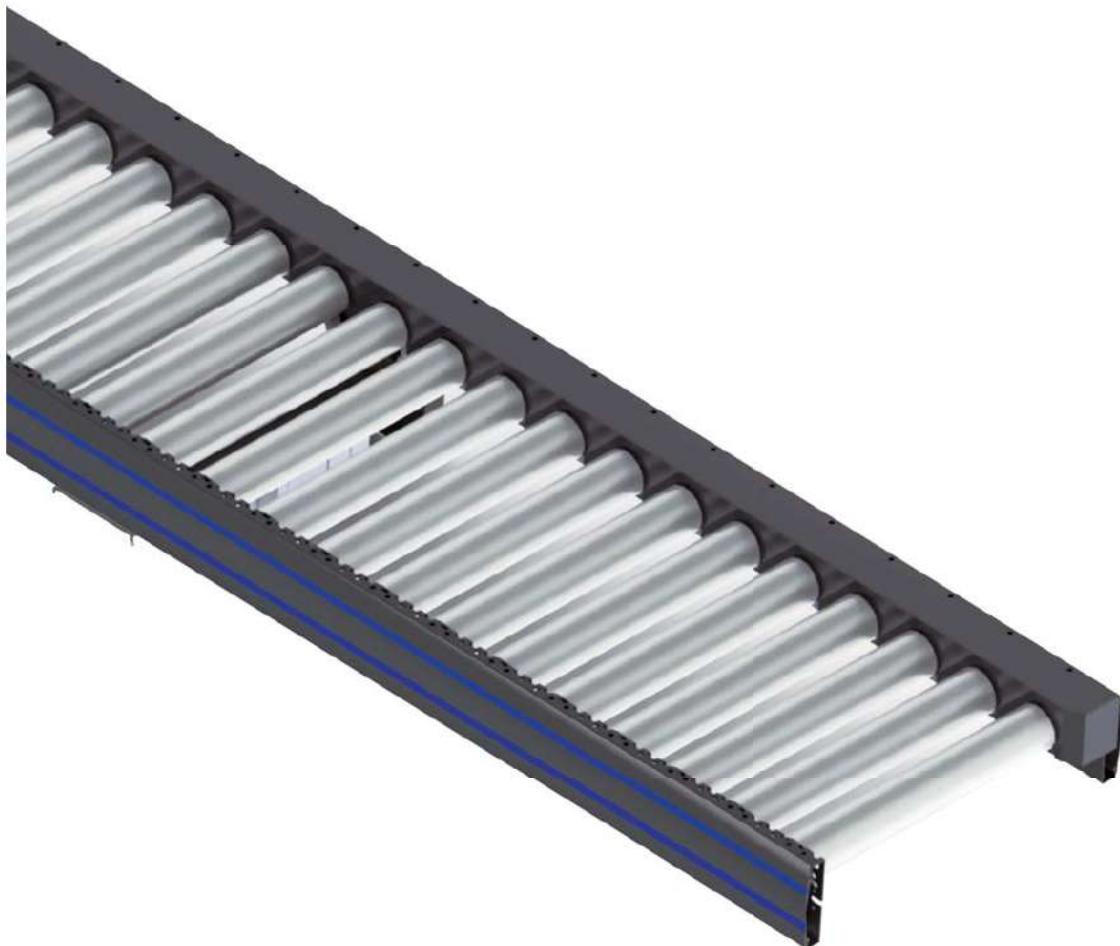
CRC-MWD-D-P-M-V-L-W-H-OP-SR



Example:

CRC-MWD-50-60-80-20-L2000-W500-H750-OP

Roller conveyor – Poly-V belt for transmission – Roller diameter φ50mm – Roller center distance 60mm – Load capacity 80kg – Speed 20m/min – Length 2000mm – Width 500mm – Height 750mm – Transport direction OP



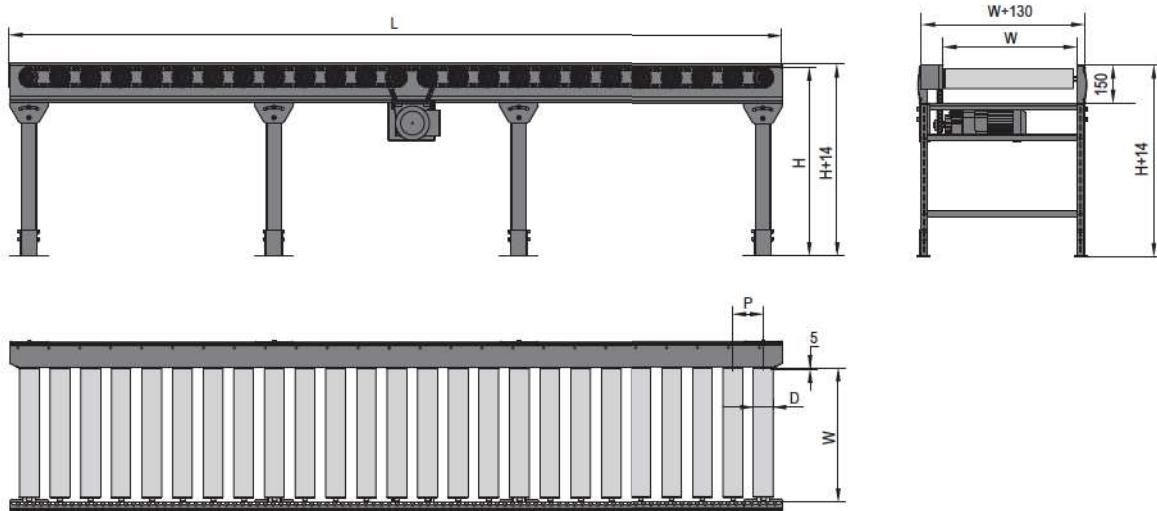
Chain drive roller conveyor

Application and features

The chain drive roller conveyor uses chain as transmission medium which has big driving force. There are non-accumulation and accumulation types. The conveyor is suitable to convey big volume and heavy goods and can be used under bad environment such as dusty, oil etc.

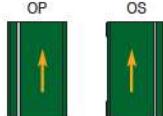
- Big driving force
- Lubrication on regular basis
- Wear resistance
- Low speed

Technical Parameter



No.	Category	Specification
01	Frame	150mmx35mmx3mm
02	Conveying Width(W)	400mm/500mm/800mm/1000mm/1200mm/1500mm
03	Conveying Length(L)	1~12m (Standard section L=3m)
04	Conveying Height(H)	Stand support height adjustable
05	Roller Center Distance(P)	08B-11T:95mm/133mm/171mm/209mm 08B-14T:76mm/114mm/152mm/190mm 10A-13T:118.8mm/198mm/277.2mm/356.4mm
06	Roller Diameter(D)	Φ50mm/Φ60mm/Φ76mm
07	Transmission Type	Double chain, accumulation type/Double chain, non-accumulation type
08	Drive Type	Center Drive
09	Motor Installation Type	Hang on the inner side of the frame, indirect drive
10	Conveyor Speed(V)	Vmax:20m/min (Recommended V:16m/min)
11	Voltage	380V/3ph/50Hz (Standard)
12	Power	0.25kw~1.5kw
13	Load Capacity(M)	Mmax:800kg/m

Transport Direction



Please contact us for special requirement.

Ordering Reference No.

CRC-DRA-D-P-M-V-L-W-H-OP-SR



Example:

CRC-DRS-60-95-200-16-L2000-W500-H750-OP

Roller conveyor – Double sprocket non-accumulation roller – Roller diameter Φ60mm – Roller center distance 95mm – Load capacity 200kg – Speed 16m/min – Length 2000mm – Width 500mm – Height 750mm – Transport direction OP



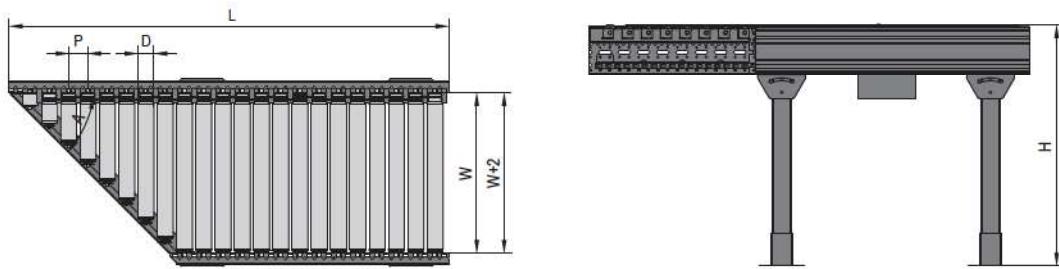
Angle roller conveyor

Application and features

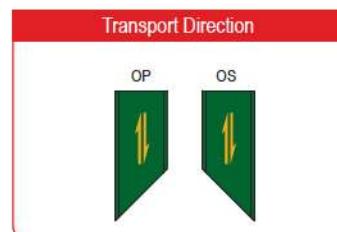
The angle roller conveyor is an extension application of standard roller conveyor. Normally it is used at the distribution and confluence area. It is widely used for express parcel sorting process and factory internal material distribution etc.

- Modular design
- High cost performance
- Easy for maintenance
- Low noise

Technical Parameter



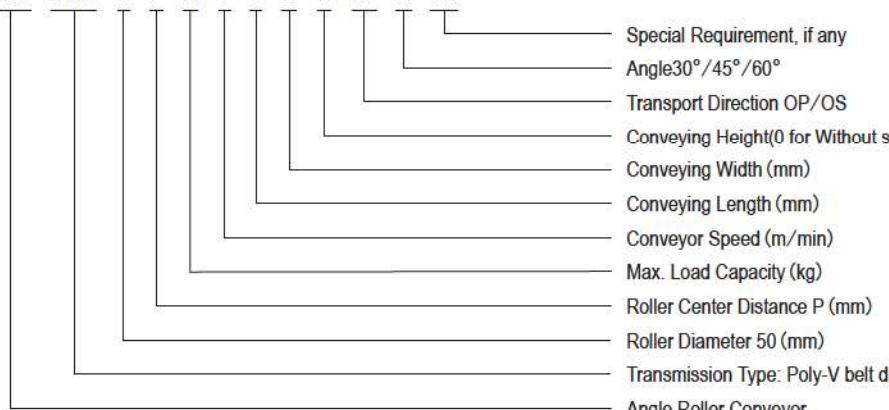
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width(W)	400mm/500mm/800mm
03	Conveying Length(L)	Lmin:890mm
04	Angle (A)	30°/45°/60°
05	Conveying Height(H)	Stand support height adjustable
06	Roller Center Distance(P)	60mm/90mm
07	Roller Diameter(D)	Φ50mm
08	Transmission Type	Poly-V belt
09	Drive Type	Center Drive
10	Motor Installation Type	Hang on the inner side of the frame, indirect drive
11	Conveyor Speed(V)	Vmax:120m/min (Recommended V:30m/min)
12	Voltage	AC220V/50Hz (Standard)
13	Power	0.06kw~0.2kw
14	Load Capacity(M)	Mmax:50kg



Please contact us for special requirement.

Ordering Reference No.

ARC-MWD-D-P-M-V-L-W-H-OP-A-SR



Example:

ARC-MWD-50-60-50-20-L1200-W500-H750-OP-45

Angle roller conveyor -- Poly-V belt for transmission -- Roller diameter Φ50mm -- Roller center distance 60mm -- Load capacity 50kg -- Speed 20m/min -- Length 1200mm -- Width 500mm -- Height 750mm -- Transport direction OP -- Angle 45°



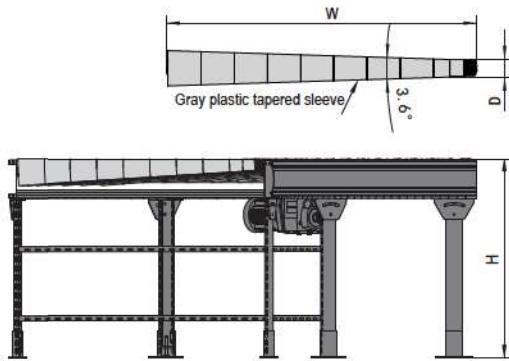
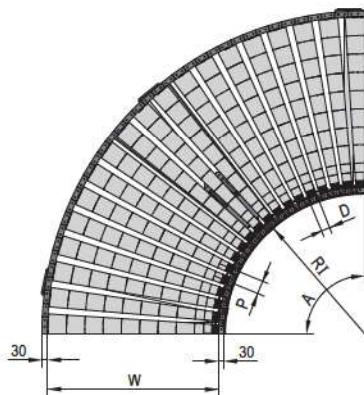
Curve roller conveyor

Application and features

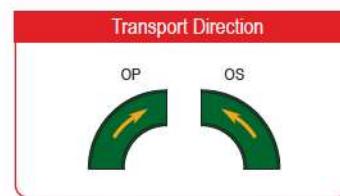
The curve roller conveyor is one of conveyor types commonly used in logistics system. It is used to connect the conveyors from the different directions to realize the direction change of materials. The conveyor is normally used to convey the heavy goods in the factories.

- Modular design
- Multiple driving types
- Wide angle range for option
- Easy for maintenance

Technical Parameter



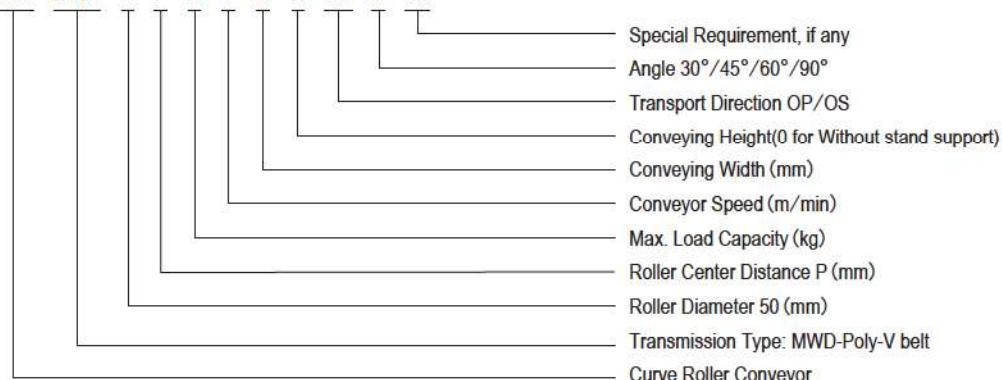
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width(W)	400mm/500mm/800mm
03	Curve Inner Radius(RI)	800mm
04	Angle (A)	30°/45°/60°/90°
05	Conveying Height(H)	Stand support height adjustable
06	Roller Center Distance(P)	More than 3 pieces of rollers to support the goods at any time
07	Roller Diameter(D)	Small end $\phi 52.9\text{mm}/\phi 56\text{mm}$
08	Transmission Type	Poly-V belt
09	Drive Type	Center Drive
10	Motor Installation Type	Hang on the inner side of the frame, indirect drive
11	Conveyor Speed(V)	Vmax:120m/min (Recommended V:30m/min)
12	Voltage	AC220V/50Hz (Standard)
13	Power	0.06kw~0.2kw
14	Load Capacity(M)	Mmax:75kg



Please contact us for special requirement.

Ordering Reference No.

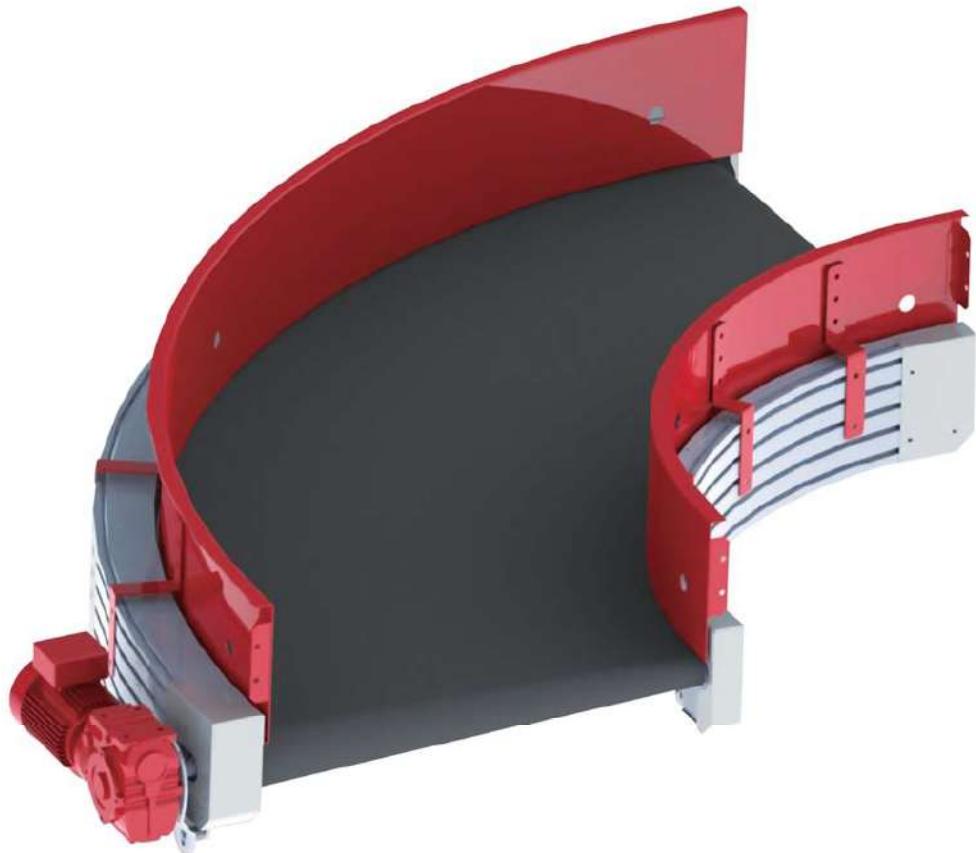
RCC-MWD-D-P-M-V-W-H-OP-A-SR



Example:

RCC-MWD-50-60-50-20-W500-H750-OP-90

Curve roller conveyor – Poly-V belt – Roller diameter $\phi 50\text{mm}$ – Roller center distance 60mm – Load capacity 50kg – Speed 20m/min – Width 500mm – Height 750mm – Transport direction OP – Curve angle 90°



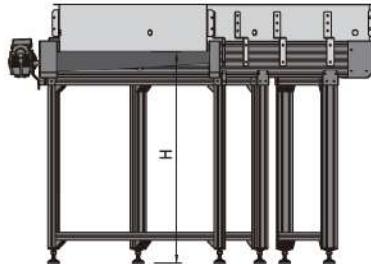
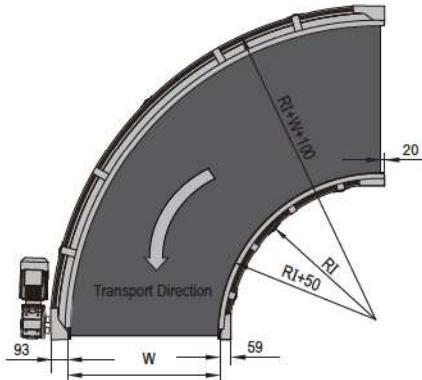
Curve belt conveyor

Application and features

The curve belt conveyor uses the special guide system and high quality belt to ensure the stable running and long service life. It is used to connect the conveyors from the different directions to realize the direction change of materials. The conveyor is widely used in sorting systems such as airport luggage, express parcels, packing process etc.

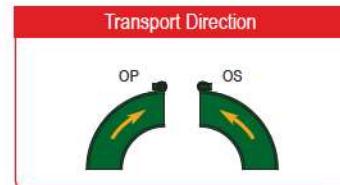
- Aluminum profile frame
- Special guide system
- Special belt for curve
- Easy for disassembly and maintenance
- Low noise

Technical Parameter



No.	Category	Specification
01	Conveying Type	Roller drive, belt conveying
02	Conveyor Speed of Center Line (V)	Vmax:120m/min (Recommended V: 40m/min)
03	Curve Angle (A)	30°/45°/60°/90°/180°
04	Curve Inner Radius (RI)	800mm/1000mm/1200mm
05	Conveying Width (W)	600mm/800mm/1000mm/1200mm
06	Conveying Height (H)	Stand support height adjustable
07	Motor Installation Type	Hang on the outer side of the frame, direct drive
08	Voltage	380V/3ph/50Hz (Standard)
09	Power	0.25kw~1.5kw
10	Load Capacity	Mmax:75kg

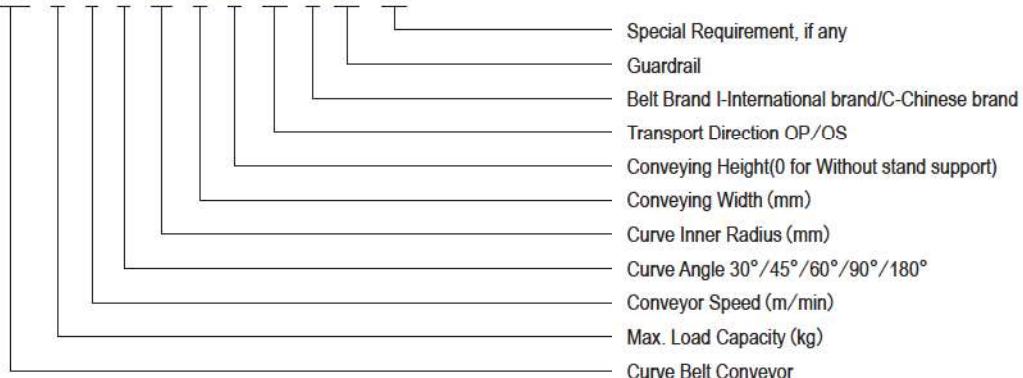
! The conveyor is only allowed to run to the direction of the motor. The reverse conveying may damage the equipment.



! Please contact us for special requirement.

Ordering Reference No.

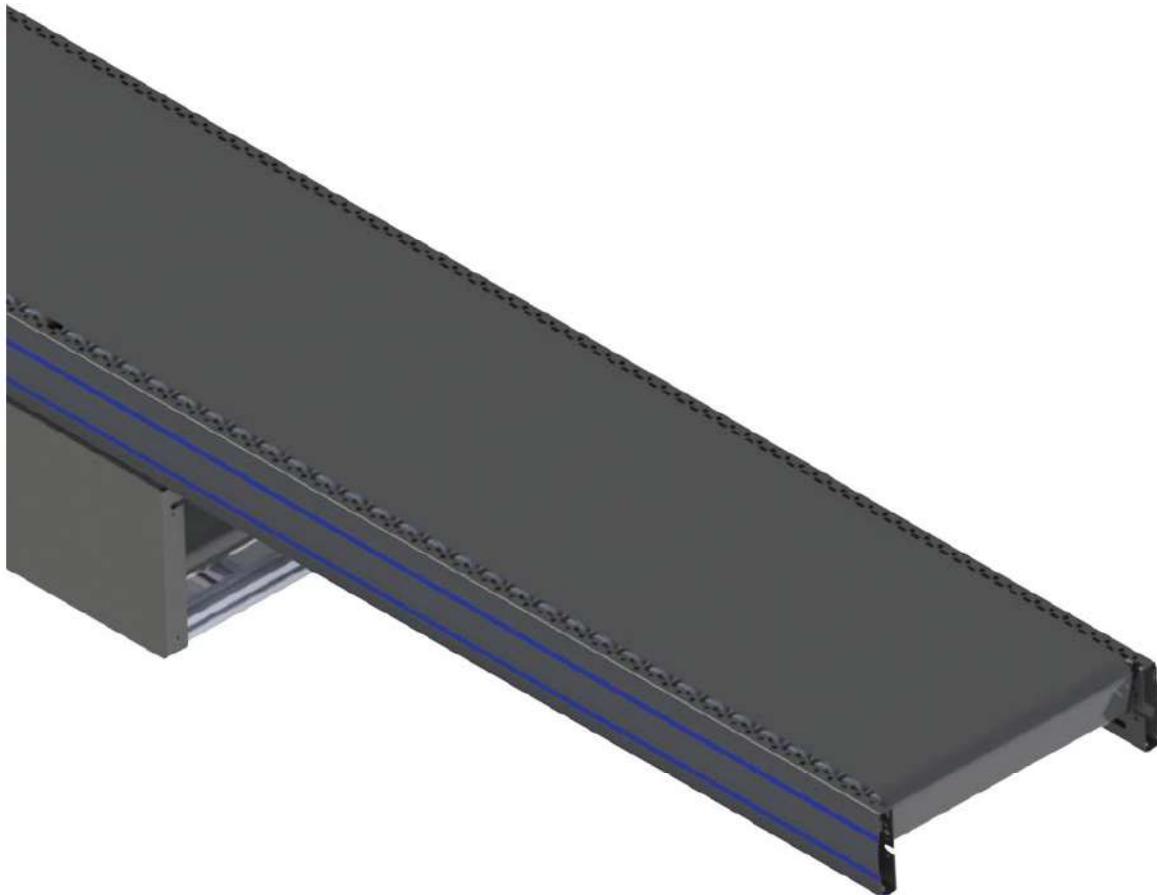
BCC-M-V-A-RI-W-H-OP-I-G1-SR



Example:

BCC-50-20-90-RI800-W500-H750-OP-I-G1

Curve belt conveyor – Load capacity 50kg – Speed 20m/min – Curve angle 90° – Inner radius 800mm – Width 500mm – Height 750mm – Transport direction OP – International brand belt – With guardrail



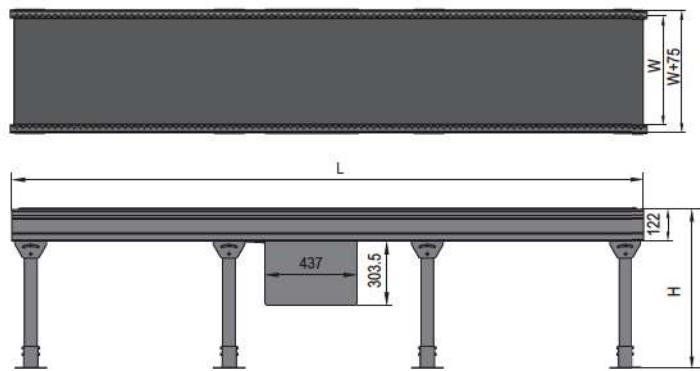
Straight belt conveyor

Application and features

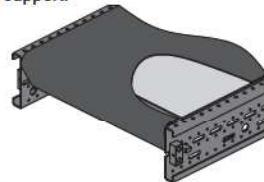
The straight belt conveyor is used for continuous or intermittent conveying of goods with different shapes and loads. The independent drive unit and tension unit are used for easy adjustment of deviation. It is with high strength steel frame to take more loads. There are multiple idler roller and support plate types for option.

- Modular design
- Big load capacity
- Multiple support methods
- Easy for maintenance

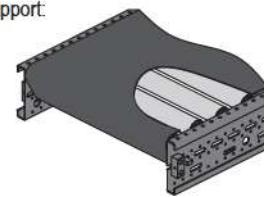
Technical Parameter



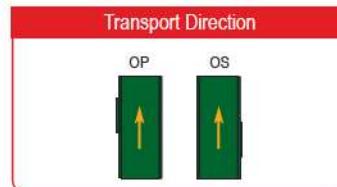
Zinc plated plate for support:



Roller for support:



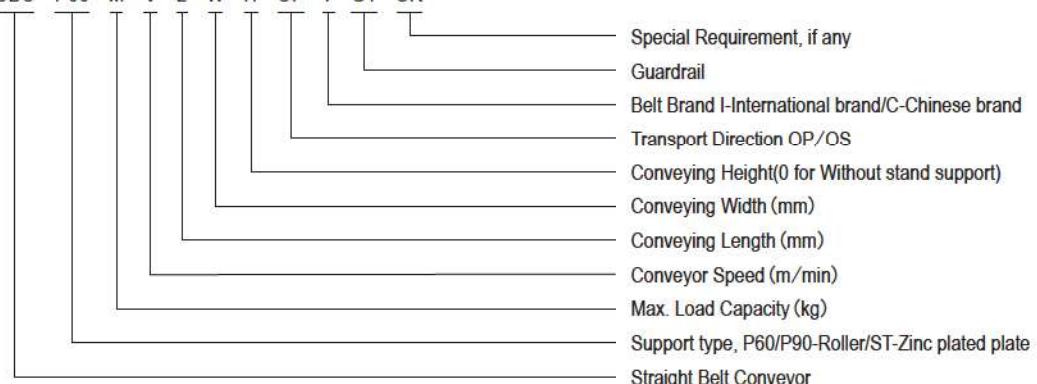
No.	Category	Specification
01	Frame	115mmx35mmx2.5mm
02	Conveying Width (W)	400mm/500mm/800mm
03	Conveying Length (L)	Lmax:20m
04	Conveying Height (H)	Stand support height adjustable
05	Roller Center Distance (P)	"30n"mm (n _{min} =2)
06	Drive Roller Diameter	Φ120mm
07	Transmission Type	Chain+Roller
08	Drive Type	Center drive
09	Motor Installation Type	Hang on the inner side of the frame, indirect drive
10	Conveyor Speed(V)	Vmax:120m/min (Recommended V:20m/min)
11	Voltage	380V/3ph/50Hz (Standard)
12	Power	0.25kw~1.5kw
13	Load Capacity(M)	Mmax:120kg/m



Please contact us for special requirement.

Ordering Reference No.

CBC-P60-M-V-L-W-H-OP-I-G1-SR



Example:

CBC-P60-50-20-L2000-W500-H750-OP-I-G1

Straight belt conveyor – Roller center distance 60mm – Load capacity 50kg – Speed 20m/min – Length 2000mm – Width 500mm – Height 750mm – Transport direction OP – International brand belt - With guardrail



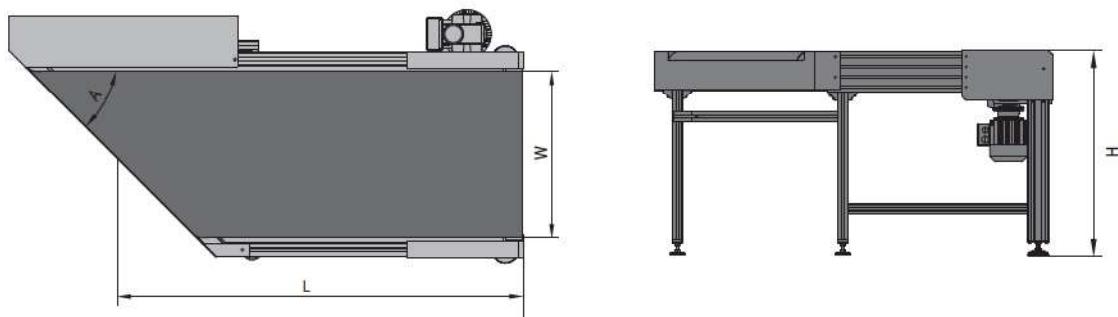
Angle belt conveyor

Application and features

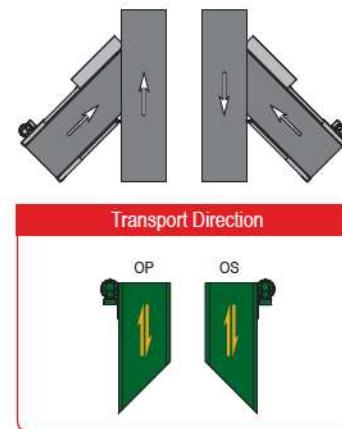
The angle belt conveyor realizes the stable and high efficient conveying of confluence and distribution. It works with sorter at the distribution area. It is widely used for distribution and sorting of express parcels, postal letters and materials in factories etc.

- Modular design
- Aluminum profile frame
- Quick and easy for belt replacement
- Automatic belt tension system

Technical Parameter



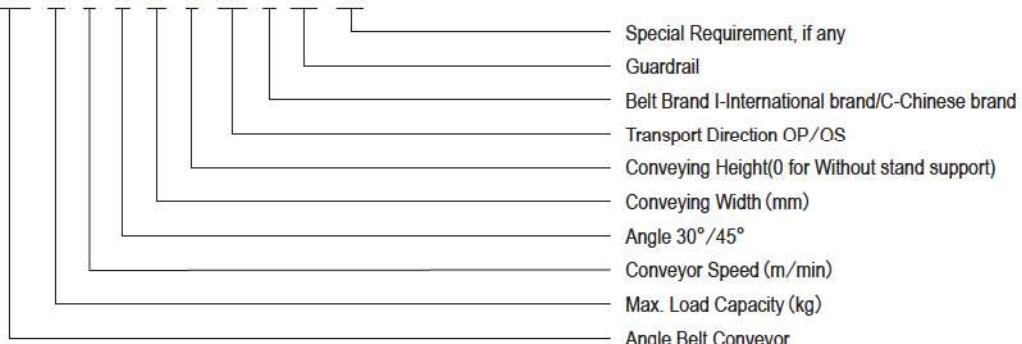
Confluence/Distribution Diagram



Please contact us for special requirement.

Ordering Reference No.

ABC-M-V-A-W-H-OP-I-G1-SR



Example:

ABC-30-20-45-W500-H750-OP-I-G1

Angle belt conveyor – Load capacity 30kg – Speed 20m/min – Angle 45° – Width 500mm – Height 750mm – Transport direction OP – International brand belt - With guardrail



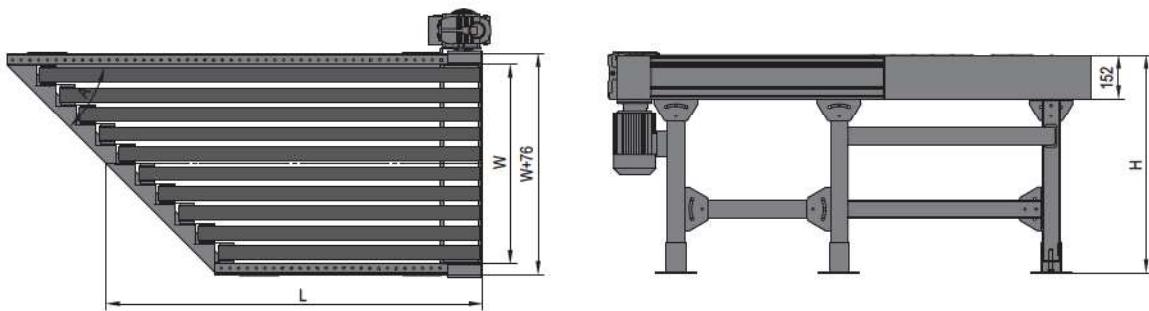
Angle strip belt conveyor

Application and features

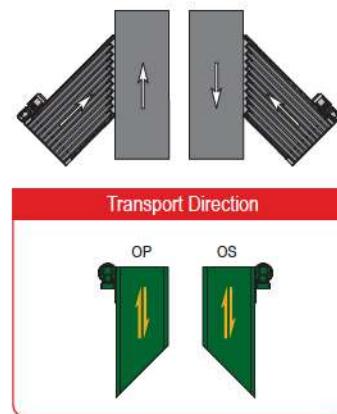
The angle strip belt conveyor is formed with multiple standard strip belt modules as requested and realizes the stable and high efficient conveying of confluence and distribution. It works with sorter at the distribution area. It is widely used for distribution and sorting of express parcels, postal letters and materials in factories etc.

- Modular design
- Easy for maintenance
- Low maintenance cost
- High cost performance

Technical Parameter



Confluence/Distribution Diagram



Please contact us for special requirement.

Ordering Reference No.

SABC-M-V-A-W-H-OP-I-G1-SR



Example:

SABC-30-20-45-W500-H750-OP-I-G1

Angle strip belt conveyor – Load capacity 30kg – Speed 20m/min – Angle 45° – Width 500mm – Height 750mm – Transport direction OP – International brand belt - With guardrail



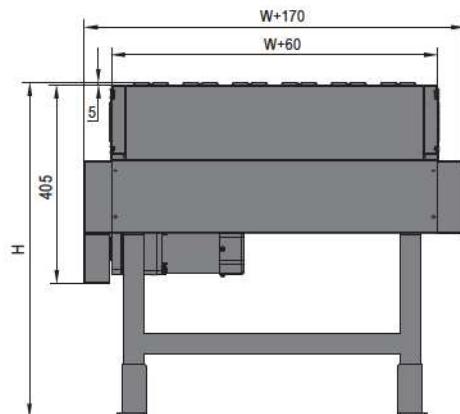
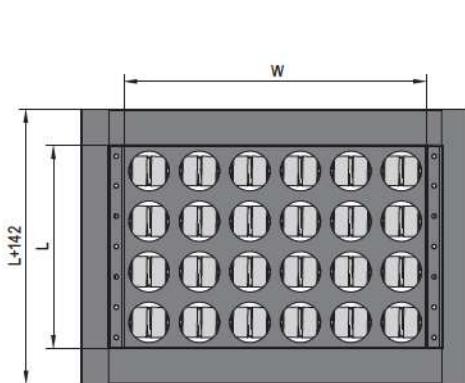
Turning Wheel Sorter

Application and features

The turning wheel sorter uses O belt for transmission and turning rollers for conveying. The conveyor sorts the materials exactly, smoothly and softly to avoid the damage to the materials. It is normally used to sort the cartons and turnover boxes etc.

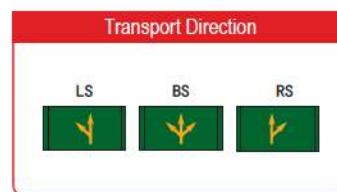
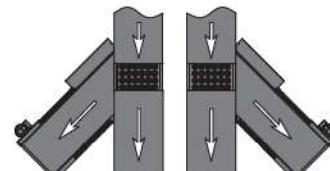
- Modular design
- Stable electric turning
- Soft sorting process
- High cost performance

Technical Parameter



Confluence/Distribution Diagram

No.	Category	Specification
01	Sorting Type	Turning wheel for direction change
02	Conveyor Speed(V)	Vmax:78.5m/min (Recommended V:20m/min)
03	Sorting Efficiency	Max. 5000pcs/h
04	Dimension of sorted material	Min. 160x75x15mm(LxWxH)
05	Turning Angle(A)	30°/45°
06	Roller	Φ60mm
07	Transmission Type	O belt (Φ5mm)
08	Conveying Length(L)	200mm/400mm/600mm
09	Conveying Width(W)	400mm/600mm/800mm
10	Conveying Height(H)	Stand support height adjustable
11	Motor Installation Type	Hang on the inner side of the frame, indirect drive
12	Sorting Direction	Single side/Double sides
13	Load Capacity(M)	0.5kg~30kg



Please contact us for special requirement.

Ordering Reference No.

SWSC-LS-V-A-L-W-H-SR



Example:

SWSC-LS-20-45-L400-W600-H750

Turning Wheel Sorter – Sorting to left side – Speed 20m/min – Turning angle 45° – Length 400mm – Width 600mm – Height 750mm



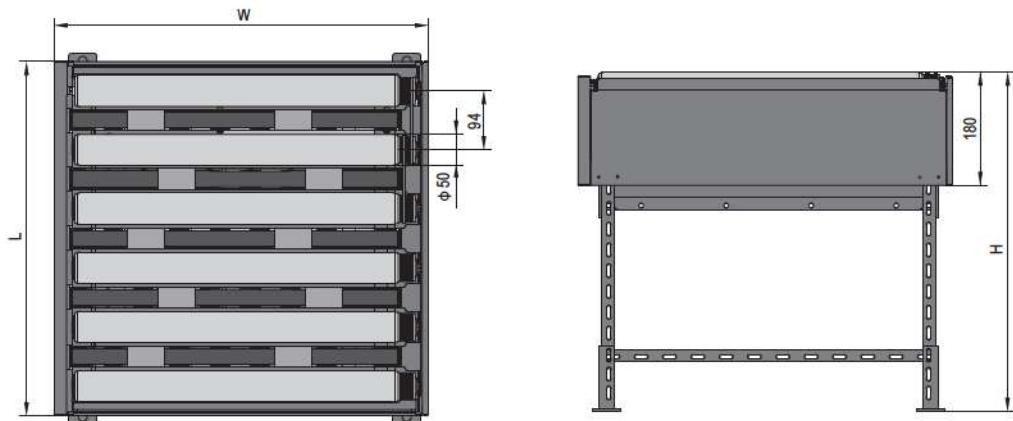
Lift and Transverse Sorter

Application and features

The lift and transverse sorter realizes the distribution and direction change at the right angle area and to move the materials onto the main conveyor line or move the materials out of main conveyor line. It is normally used for material transfer in factories, confluence or distribution of packed materials etc.

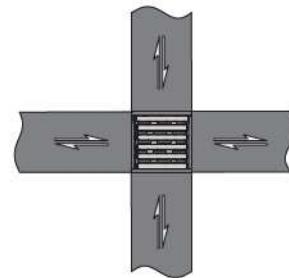
- Modular design
- Cam roller for lifting
- No change on height of transferred materials
- Change on direction of materials
- Compact structure

Technical Parameter



Confluence/Distribution Diagram

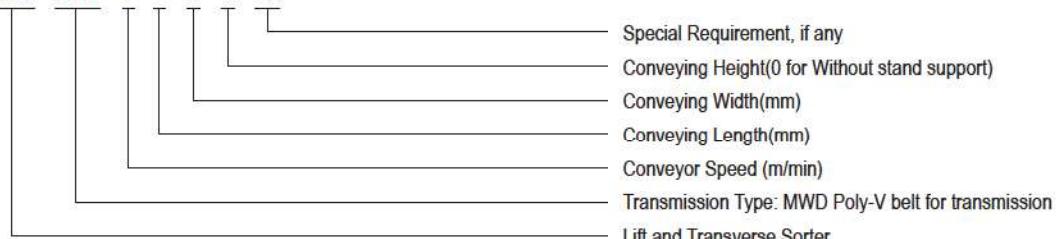
No.	Category	Specification
01	Sorting Type	Lift and transverse
02	Conveyor Speed(V)	Vmax:78.5m/min (Recommended V:20m/min)
03	Sorting Efficiency	Max. 2000pcs/h
04	Dimension of sorted material	Min. 234x234x26mm(LxWxH)
05	Turning Angle	90°
06	Roller	Φ50mm
07	Transmission Type	Poly-V belt+Nylon belt
08	Conveying Length(L)	400mm/500mm/800mm
09	Conveying Width(W)	400mm/500mm/800mm
10	Conveying Height(H)	Stand support height adjustable
11	Drive Type	Cam roller+Electric roller
12	Power	0.04kw
13	Load Capacity(M)	0.5kg~30kg



Please contact us for special requirement.

Ordering Reference No.

LTSC-MWD-V-L-W-H-SR



Example:

LTSC-MWD-20-L500-W500-H750

Lift and Transverse Sorter -- Poly-V belt for transmission -- Speed 20m/min -- Length 500mm -- Width 500mm -- Height 750mm



ETON INDUSTRIAL INNOVATIONS CO.,Ltd.

Add: No. 19, Haike Road, Free Trade Zone, Dalian, Liaoning, China

Cell : +86-18104095971 +86-18104095936

Fax : +86-411-81981995

Email: chinaeton_export@163.com

Website: www.china-eton.com.cn

We reserve the right to update our product specifications and improve the production process without any notice and obligations, please refer to the our latest catalogues from our website or contact us at chinaeton_export@163.com.