22 anniversary

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Authorized distributor

Conveyor Components

Movex® EUROBELT ITOH DENKI NBR®

EUROBELT

Series **C12**

Belt pitch	12 mm
Belt width	Multiples of 25 mm
Rod diameter	4,6 mm
Drive system	Hinge
Ø min direct rotation roller	18 mm
Ø min reverse rotation roller	75 mm

Flat Top

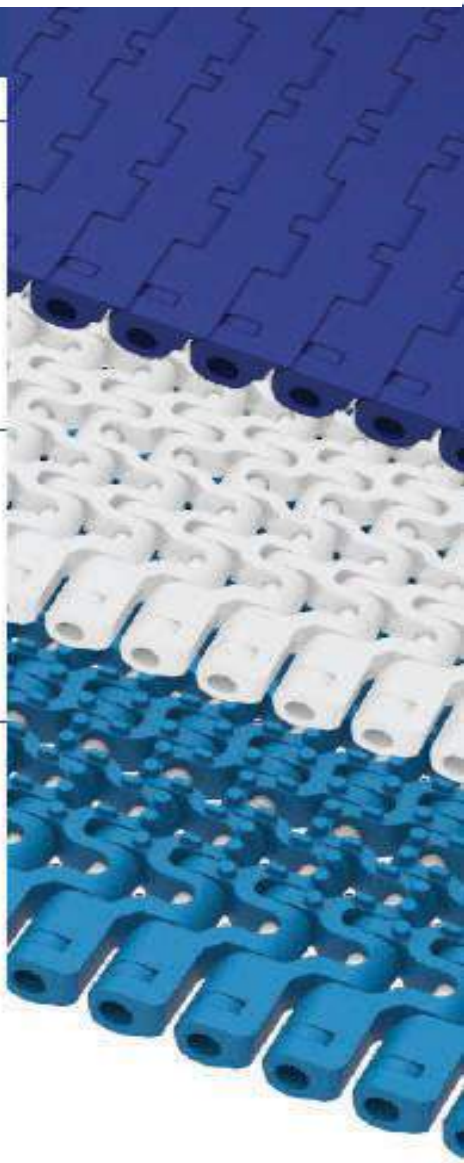
its surface completely flat avoids the product fall. In addition, with a lower design without transversal ribs and rod in view, it offers ease of cleaning.

Flush Grid

Its design with vertical, rounded openings and without recesses, together with its design with a rod in view, provides great drainage, as well as great ease of cleaning.

Nub Top

C12 NUB TOP in its Flush Grid type, in addition to providing all its characteristics, is a non-stick modular belt intended for highly sticky. Its small teton like protusions prevent the products adhere to the belt surface.

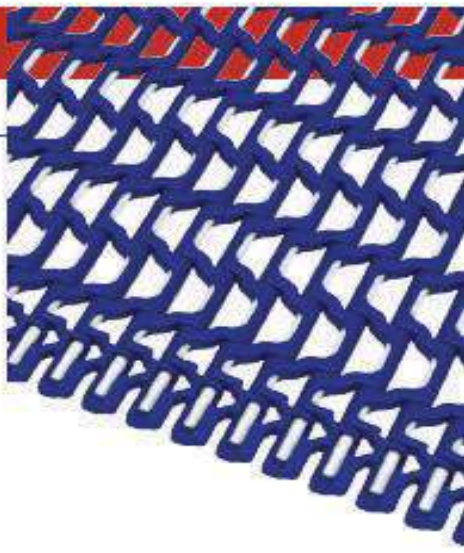


Series **F12**

Belt pitch	12 mm
Belt width	Multiples of 50 mm
Rod diameter	3,6 mm
Drive system	Hinge
Ø min direct rotation roller	12 mm
Ø min reverse rotation roller	75 mm

Flush Grid

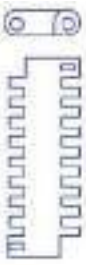
its design with fully open links, together with its manufacture with plastic materials that are totally aseptic, non-toxic, very non-porous and with very little liquid absorption, which comply with all the strict sanitary standards, are very often used in food processing plants to convey food products through various stages of their processing, from washing and peeling to their different elaboration processes and packaging.



Modular Belts

Series E20

Belt pitch	20 mm
Belt width	Multiples of 8 mm
Rod diameter	4.6 mm
Drive system	Central
Ø min direct rotation roller	26 mm
Ø min reverse rotation roller	100 mm



Flat Top

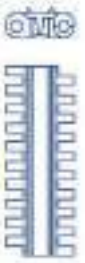
Due to a closed surface configuration, is the suitable conveyor belt for those applications in which it is not necessary any drainage through the belt and/or the product to be transported is small.

Flush Grid

Is ideal for applications in which drainage through the belt is required, avoiding any accumulation of particles on its surface. Easy cleaning due to the possibility of applying water under pressure through the belt.

Raised Rib

Is a conveyor belt designed to make product transfers by using finger plates. Both the grille-shaped configuration and the 32% open area make it suitable for applications in which drainage through the belt is required, and/or applications in which a smaller surface of contact is needed to prevent the product from adhering to the belt.



Trian Friction Top

Designed with modules made of rubber that are inserted into the others in order to achieve good friction characteristics. They have transversally arranged triangular elevations that achieve maximum grip and ease of cleaning. Special for elevators and descenders of boxes or containers.

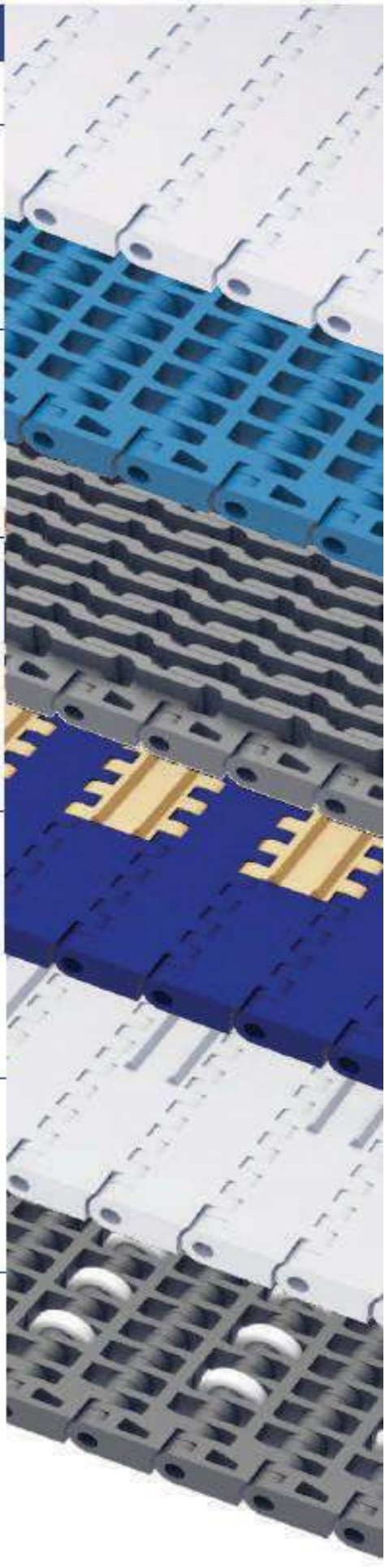
Trian

This conveyor belt has two transversal edges between the ends to reduce the contact surface and thus prevent it from adhering to the belt.

Sliding Rollers

With rollers inserted in its surface that rotates in moments of accumulation of load, prevent crushing and base wear of the product.

This conveyor belt is primarily designed to solve the problems of transport of boxes and/or containers.



EUROBELT

Series **A24**

Belt pitch	24 mm
Belt width	Multiples of 10 mm
Rod diameter	4.6 mm
Drive system	Central
Ø min direct rotation roller	35 mm
Ø min reverse rotation roller	100 mm

Flat Top

With a surface completely smooth both its bottom like higher, allows us lead the water from an end to the other and so remove dirt from an easy and fast way. Their completely open belt edges increase the cleaning efficiency and allow us to work in the best sanitary conditions.

Flush Grid

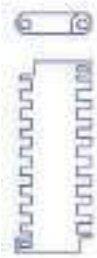
It has oval perforations of 9.5 x 3 mm which endow it with a 30% open area. This model is used in light applications and when it is necessary drainage of liquids or airflow like defrosting or drying of products.

Raised Rib

It has been designed mainly to be used with finger plates. It has ribs that, sticking out 6 mm above the module, provide a greater resistance as well as a better sliding of the product on the conveyor belt surface.

Series **E30**

Belt pitch	30 mm
Belt width	Multiples of 10 mm
Rod diameter	4.6 mm
Drive system	Central
Ø min direct rotation roller	45 mm
Ø min reverse rotation roller	100 mm

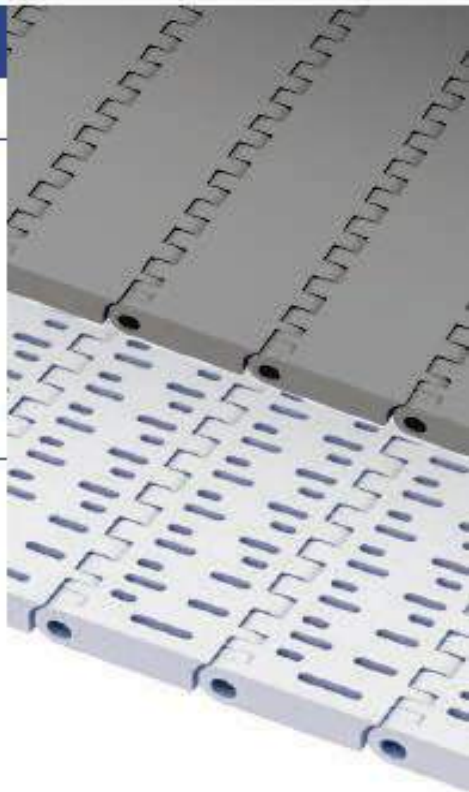


Flat Top

Closed surface configuration, is the suitable conveyor belt for those applications in which it is not necessary any drainage through the belt and/or the product to be conveyed is small. Completely smooth surface to avoid product overturns and the resulting blockage of the line.

Perforated Flat Top

Open area of 17%, a completely smooth surface, and grille-shaped small straight holes without structural obstacles. This is the suitable conveyor belt for those applications in which drainage through the belt is desired and the product to be conveyed is small.



Modular Belts

Series **E30**

Flush Grid

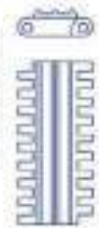
Configuration in form of grate-shaped with a 47% open area and a completely smooth surface. This conveyor belt is ideal for applications in which drainage through the belt is needed, avoiding accumulation of any particle on its surface.

Open Grid

It is used in product in bulk processes in inclined planes wherever the use of conventional flights is not possible. Their own flights reduce the contact surface between product and belt, decreasing the adherence in processes like fish glazing and conveyance of frozen fish.

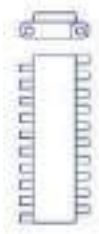
Raised Rib

By its configuration of projecting ribs enables us to make product transfers by using finger plates. The central reinforcement of the ribs increases durability of them and reducing also, the distance between them, thus allowing the entrance of cans, glass jars or containers in general, avoiding their overturning reducing overturning of line, as well as any damage to the belt surface and sprockets and continuous stops of the lines process.



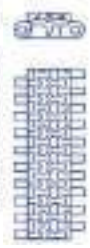
Trian Friction

Designed with modules manufactured in rubber that are inserted between others in order to achieve some good features of friction. They have some arranged triangular elevations transversally they get maximum grip and ease of cleaning. Special for elevators and and descenders for boxes or containers.



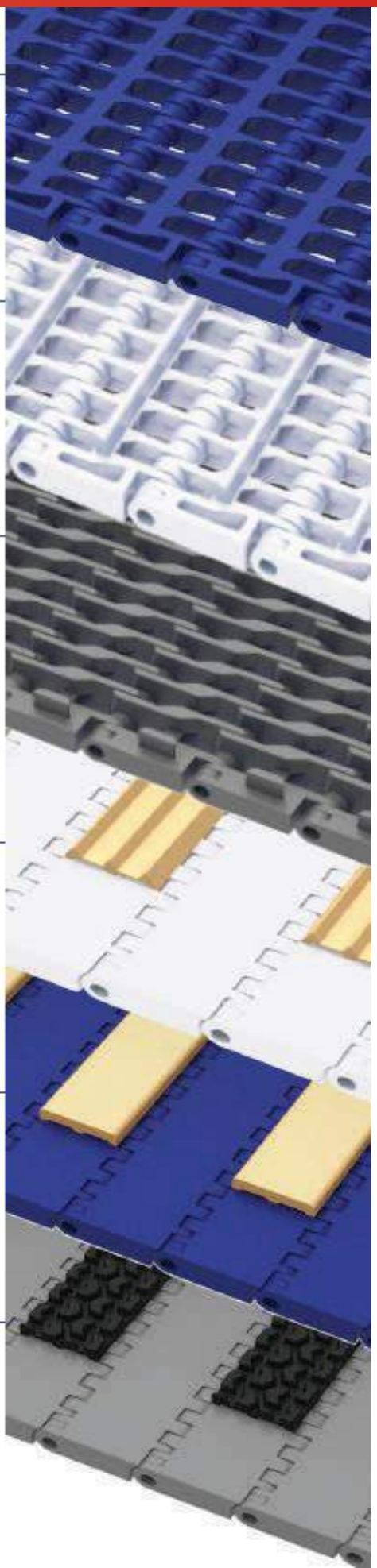
Flat Friction

Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. They have some flat elevations with corners rounded that get a maximum grip of products. Special for elevators and descenders boxes or containers.



Arrow Friction

Designed with modules manufactured in rubber that are inserted between the others, in order to get some good friction characteristics. They have elevations in the form of inverted arrows that hold each other getting maximum grip on great inclines. Special for elevators and descenders boxes or containers.

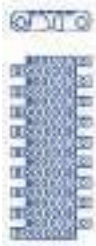


EUROBELT

Series **E30**

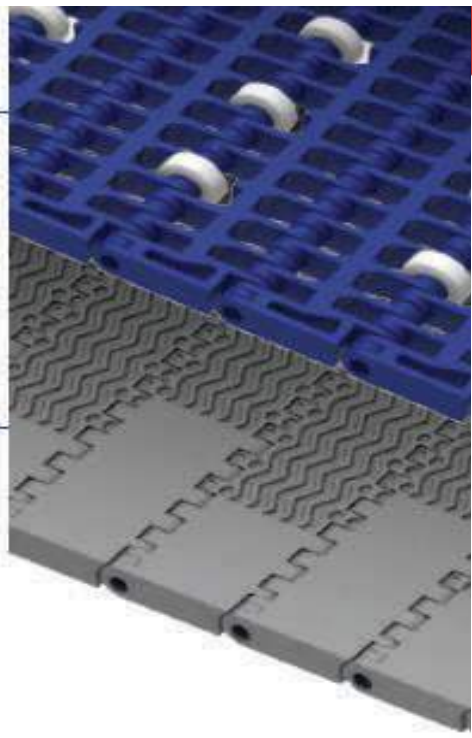
Sliding Rollers

With rollers inserted in its surface that rotates in moments of accumulation of load, prevent crushing and wear on the base of the product.
This conveyor belt is primarily designed to solve the problems of transport of boxes and/or container



Wave Embedded

It has a surface specially designed for the transport of products highly malleable.
Its closed FLAT TOP surface with embedded waves allows the product to be molded to them, giving as a result a greater grip without adhesion, in addition to a ease of cleaning

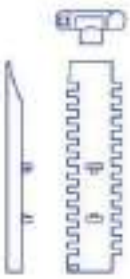


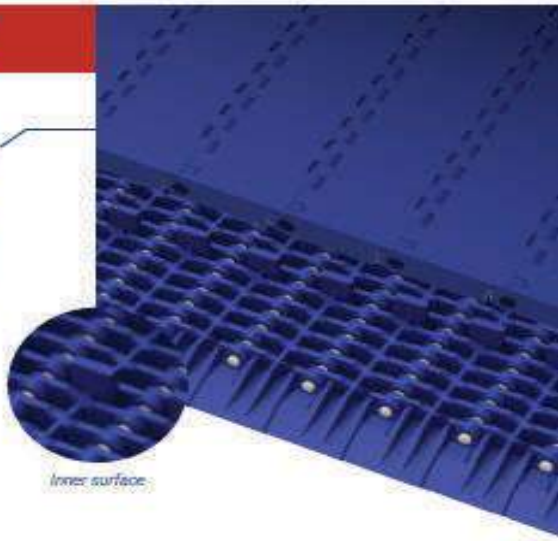
Series **E31**

Belt pitch	30 mm
Belt width	152,4 mm
Rod diameter	4,6 mm
Drive system	Central
Ø min direct rotation roller	45 mm
Ø min reverse rotation roller	100 mm

Lateral Transfer Flat Top

With a configuration totally closed and flat, are placed on conveyors intermediate to perform dynamic transfers very soft at 90°. Possibility of use to high speeds.





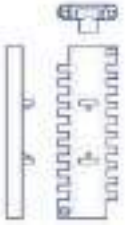
inner surface

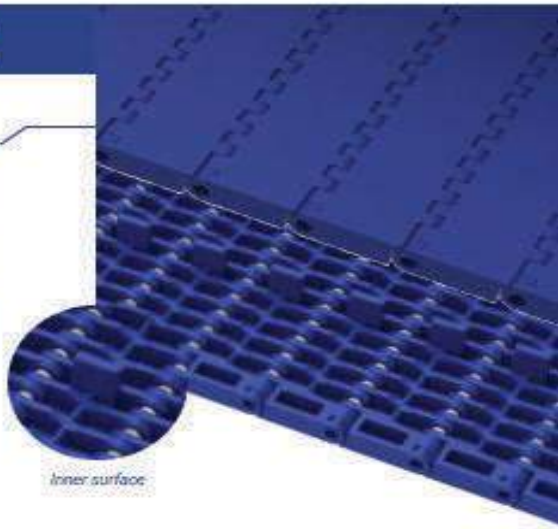
Series **E32**

Belt pitch	30 mm
Belt width	82,5 - 114,3 - 152,4 - 190,5 mm
Rod diameter	4,6 mm
Drive system	Central
Ø min direct rotation roller	45 mm
Ø min reverse rotation roller	100 mm

Flat Top

Its availability in four measures which gives us a full compatibility with table-top of the market. From the market. Besides, with a flat surface, totally flat top, it is ideal for applications without the need for drains where is needed a great stability at high speeds.
It has lower guidesfor its perfect alignment.



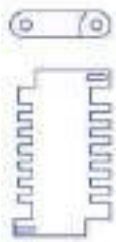


inner surface

Modular Belts

Series **E40**

Belt pitch	40 mm
Belt width	Multiples of 10 mm
Rod diameter	6 mm
Drive system	Central
Ø min direct rotation roller	55 mm
Ø min reverse rotation roller	150 mm



Flat Top

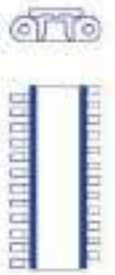
Given the closed surface configuration, is the suitable conveyor belt for those applications in which it is not necessary any drainage through the belt and/or the product to be transported is small. Due to its great mechanical resistance, it is ideal for applications having large conveyance lengths or bearing very heavy loads.

Flush Grid

It has a grate-shaped configuration with a 14% open area and a completely smooth surface. Due to the specific study carried out, it is one of the strongest belts in the market, having an excellent drainage capacity.

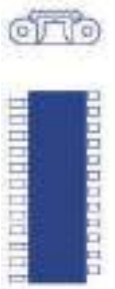
Non Slip

Has a closed surface with a relief specially designed to avoid slips. Both its high resistance to traction and to chemical aggression of oils and industrial acids make it be the suitable belt for assembly lines in the automotive, for conveying people, furniture, electrical appliances, etc.



Flat Friction

Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. They have some flat elevations with corners rounded that get a maximum grip of products. Special for elevators and descenders boxes or containers.



Trian Friction

Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. They have some arranged triangular elevations transversally they get maximum grip and ease of cleaning.

Special for elevators and and descenders for boxes or containers.

Sliding Rollers

With rollers inserted in its surface that rotates in moments of accumulation of load, prevent crushing and wear on the base of the product.

This conveyor belt is primarily designed to solve the problems of transport of boxes and/or containers.

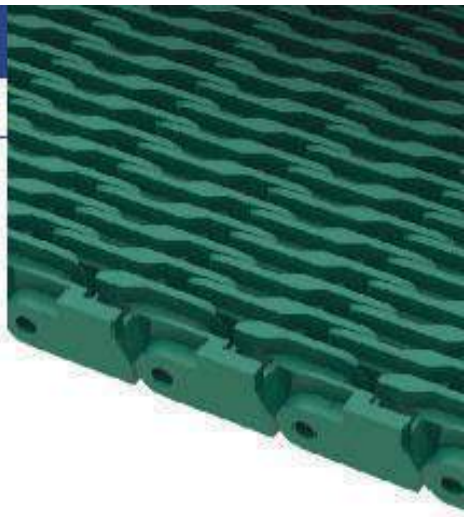
EUROBELT

Series E41

Belt pitch	40 mm
Belt width	Multiples of 10 mm
Rod diameter	6 mm
Drive system	Central
Ø min direct rotation roller	55 mm
Ø min reverse rotation roller	150 mm

Raised Rib

By its configuration of projecting ribs, enables us to make product transfers by using finger plates. The central reinforcement of the ribs increases durability of them and reducing also, the distance between them, this allowing the entrance of cans, glass jars or containers in general, avoiding their overturning, reducing overturning of line, as well as and damage in the belt surface and sprockets, and continuous stops of the lines process.



Series B50

Belt pitch	50 mm
Belt width	Multiples of 20 mm
Rod diameter	5,5 mm
Drive system	Central
Ø min direct rotation roller	75 mm
Ø min reverse rotation roller	150 mm

Flat Top

With a surface totally closed and flat in its transport zone is ideal for applications where no drainage needed over the belt. Its lower design totally rounded increases the ease to evacuate liquids and thus reduce costs of waters, detergents and also the washing times. Ideal for use in all the processes that require a big cleaning.

Perforated Flat Top

Its smooth perforated surface allows the air to flow and the liquids to drain away. It is the ideal belt for production food processes (boiling, draining, drying) as well as for preservation processes (sterilization, refrigeration).

Flush Grid

It has a large area of 28% open which makes it ideal for those processes in which we need an extreme cleanliness along with a good drain through it. Ideal in the industry of fish and fruit and vegetables.

Modular Belts

Series **E50**

Belt pitch	50 mm
Belt width	Multiples of 20 mm
Rod diameter	6 mm
Drive system	Hinge
Ø min direct rotation roller	75 mm
Ø min reverse rotation roller	150 mm

Flat Top

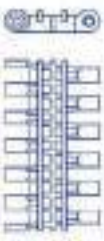
Due to its closed surface, completely flat and smooth, avoids any damage and overturn in the product, as well as the resulting line blockage. It is the conveyor belt most commonly used in elevating conveyors for products in bulk, and in delicate product conveyance.

Perforated Flat Top

It has an 18% open area, a completely smooth surface, and grille-shaped small straight holes without structural obstacles, to make easy the drainage of any liquid.

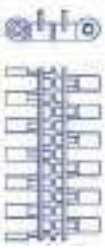
Flush Grid

It has a grille-shaped configuration, with a 40% open area, and a completely smooth surface. It is ideal for applications in which there are a lot of debris of the conveyed product, as their removal is very easy by means of air or water under pressure.



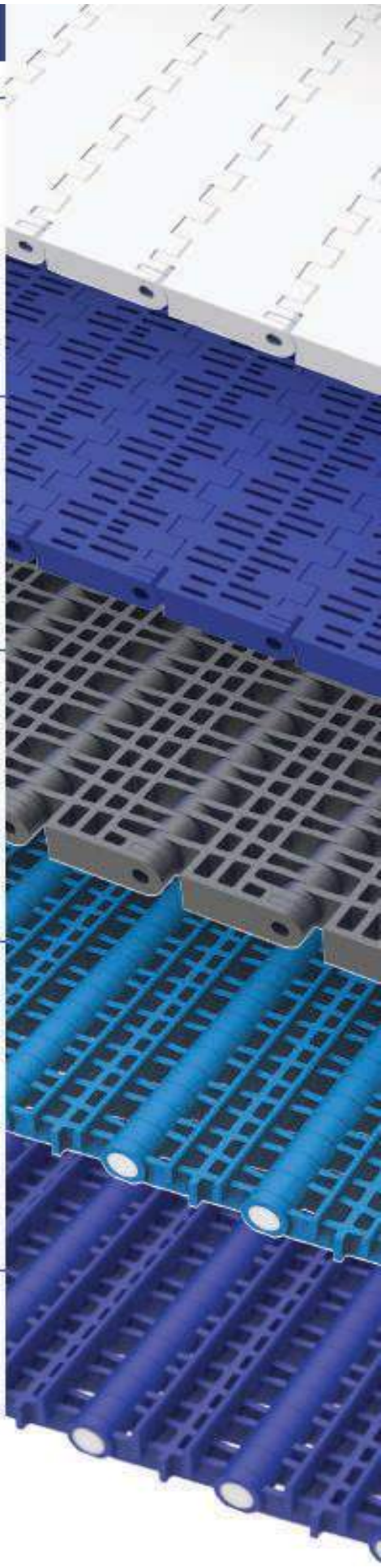
Open Grid

It has a grille-shaped configuration, and a 40% open area, is suitable for applications in which drainage through the belt is required. We have accomplished an exclusive design of this conveyor belt consisting of two transverse projections in the middle of every pitch to achieve the product do not adhere to the belt.



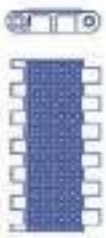
Open Grid High

Besides the advantages of the Open Grid surface, provides the possibility of using the 5 mm high transversal reliefs as mini flights for raising product, which makes it particularly suitable for the prawns industry.



EUROBELT

Series **E50**

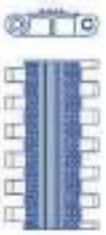


Knurled

It has a flat-corrugated surface that has been designed to prevent the conveyed product from adhering to the belt. Due to its corrugated surface, it is used in slightly inclined conveyors as well, without the product slipping.

Conic

It has a smooth surface with small pyramidalshaped elevations that provide a greater coefficient of friction, as well as they avoid the slippery products to change their position during the conveyance.



Trian Friction

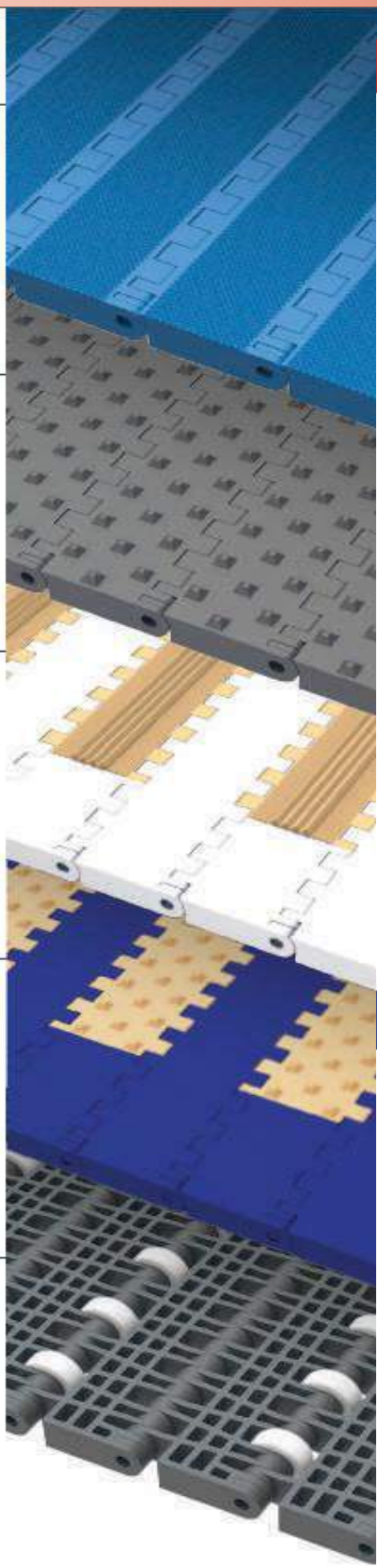
Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. They have some arranged triangular elevations transversally they get maximum grip and ease of cleaning.
Special for elevators and and descenders for boxes or containers.

Conic Friction

Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. It has pyramidalshaped elevations transversely arranged for maximum grip.

Sliding Rollers

With rollers inserted in its surface that rotates in moments of accumulation of load, prevent crushing and wear on the base of the product.
This conveyor belt is primarily designed to solve the problems of transport of boxes and/or containers.



Modular Belts

Series **D50**

Belt pitch	50 mm
Belt width	Multiples of 50 mm
Rod diameter	8 mm
Drive system	Central
Ø min direct rotation roller	75 mm
Ø min reverse rotation roller	150 mm

Flush Grid

A grid configuration with a 20% open surface and a completely flat surface. This conveyor belt is ideal for high load applications where drainage through the belt is necessary, avoiding accumulation of particles on the belt surface.

Roller 0°

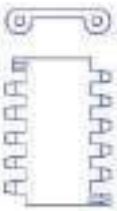
With rollers running at 0° this conveyor belt is mainly designed to solve heavy duty box and/or packaging conveying problems.

Roller 90°

With rollers placed at 90°, this belt makes lateral transfers completely smooth, maintaining the integrity of each part and minimising wear and tear in demanding applications.

Series **E80**

Belt pitch	50 mm
Belt width	Multiples of 16 mm
Rod diameter	5 mm
Drive system	Hinge
Ø min direct rotation roller	75 mm
Ø min reverse rotation roller	150 mm



Flat Top

With a surface totally closed and flat in its transport zone is ideal for applications where it is not needed drainage on the belt. Ideal for industry food in general and poultry or meat in especially for its ease cleaning.

Perforated

It has a 24% open area and a completely smooth surface with grille-shaped small straight holes, not presenting any structural obstacle, which have the following dimensions: (3 x 2) and (10 x 2) mm. It is perfect for products very light in which we need extremely clean. They can be combined with metallic reinforcements for increase its strength (check availability).

EUROBELT

Series **E925**

Belt pitch	25 mm
Belt width	Multiples of 20 mm
Rod diameter	6 mm
Drive system	Hinge
Ø min direct rotation roller	35 mm
Ø min reverse rotation roller	150 mm

Flush Grid Without tab

This conveyor belt has a Flush Grid geometry with 42% open area, smooth rounded ends, become a belt with a excellent drainage, very easy to clean, with good properties sliding and low costs of maintenance.

Flush Grid With tab

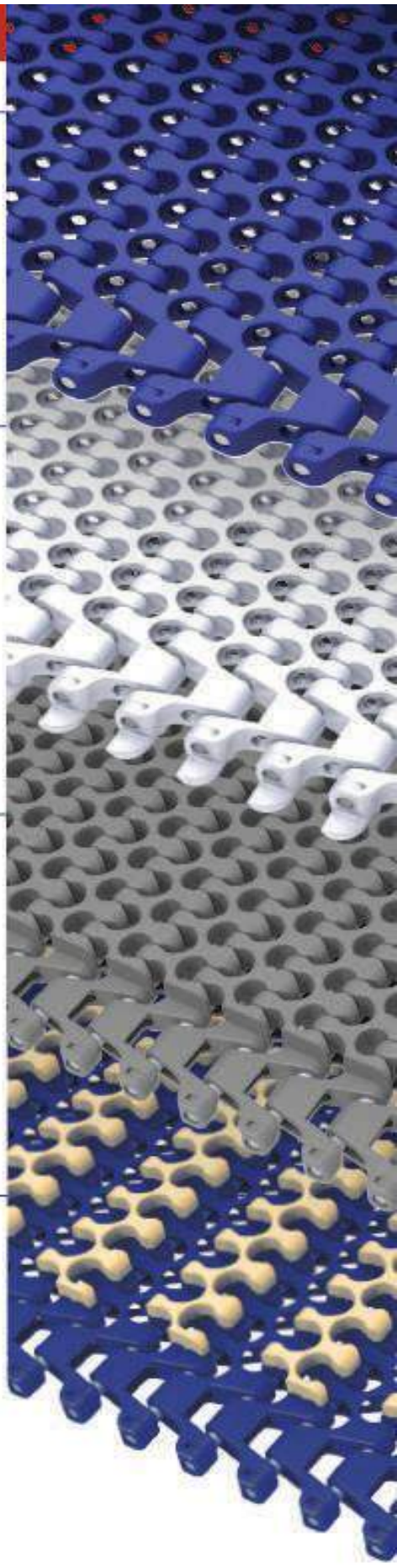
This edge tabs are located at the bottom of the belt and are used to hold the itself, without interfering with the surface of transport, in such a way that the containers can stand out in the turns, beyond the belt width and even do side transfers normally in the sections of entrance exit of the conveyor. With rounded geometry in the tabs the points of friction are reduced with the profiles and the belt life is increasing.

High Dock

This model is a variant that is characterized by having an area elevated, platform type, separated from the edges with an indent curtain. This offers us the possibility to that the product protrudes through the ends of the band, being a excellent option for transportation bulky materials or heavy in a wide variety industries such as: logistics, pharmacist, bakery, etc.

Flat Friction Top

It is made from models of rubber or elevated raised ribs to keep intact mechanical properties, contributing with the use of rubber enough friction and grip for the transport of products in elevators and descenders, as well as transporting objects through curves with the need to maintain the product stability and control during the direction change.



Modular Belts

Series **E930**

Belt pitch	30 mm
Belt width	Multiples of 25 mm
Rod diameter	8 mm
Drive system	Hinge
Ø min direct rotation roller	40 mm
Ø min reverse rotation roller	150 mm

Flush Grid Without tab

This conveyor belt has a Flush Grid geometry with 47% open area, smooth rounded ends, become a belt with a excellent drainage, very easy to clean, with good properties sliding and low costs of maintenance.

Flush Grid With tab

Their edge tabs are located at the bottom of the belt and are used to hold the rivet, without interfering with the surface of transport, in such a way that the containers can stand out in the tams, beyond the belt width and even do side transfers normally in the sections of entrance exit of the conveyor. With rounded geometry in the tabs the points of friction are reduced with the profiles and the belt life is increasing.

Conic

This model has pointed cones that prevent the product from sticking tok to the belt. It can be manufactured in Flush Grid models with and without tab.

Conic Friction

Designed with modules manufactured in rubber that are inserted between others, in order to achieve some good features of friction. It has pyramidalshaped elevations transversely arranged for maximum grip.

Sliding rollers

With rollers inserted in its surface that rotates in moments of accumulation of load, prevent crushing and wear on the base of the product.
This conveyor belt is primarily designed to solve the problems of transport of boxes and/or container.

EUROBELT

Series **Q50**

Belt pitch	50 mm
Belt width	Multiples of 40 mm
Rod	No
Drive system	Centrale
Ø min direct rotation roller	75 mm
Ø min reverse rotation roller	150 mm
Certificate	Q50 Flat Top NSF 14159-3

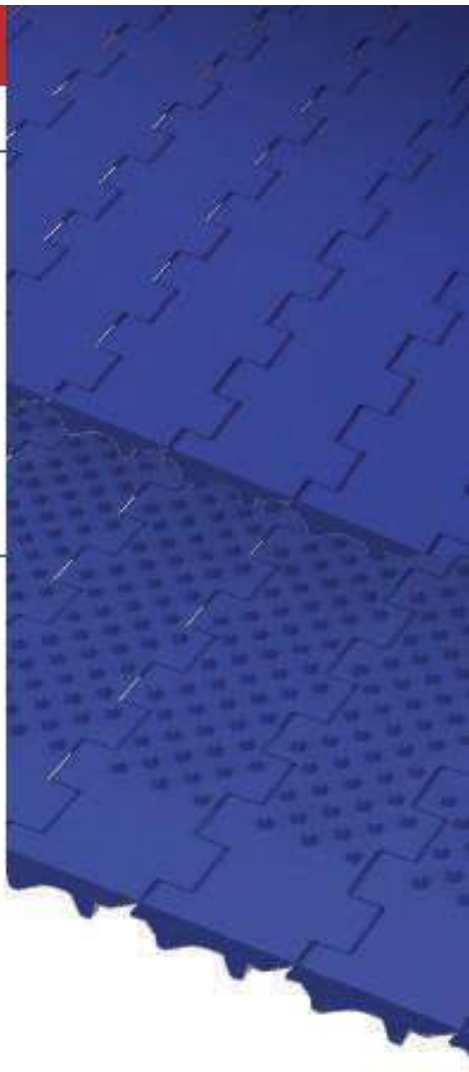
quickbelts

Flat Top

It is manufactured in Polyketone, a new polymeric material that offers greater resistance to impact, wear and cuts, being superior to acetal.
It has a patented non-stick geometry with parallel moving faces to facilitate product release on returns.
This belt is designed to ensure fast and efficient cleaning.

Conic

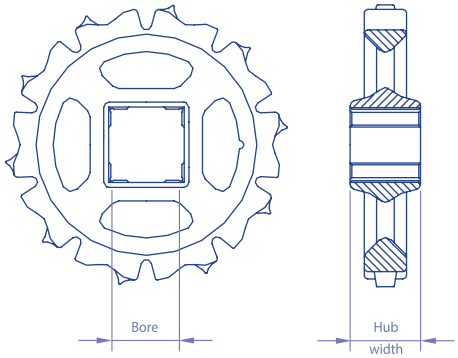
Is equipped with a series of cones on the upper surface to offer effective conveying solutions, especially in inclined applications that help to grip and stabilise the conveyed items.
It will be mainly used during the processing of irregularly shaped foodstuffs that we wish to grip and stabilise for any reason during their movement.



MATERIALS

Material	Features	Temperature range (°C)	Colours	Fit for food industry
STANDARD MATERIALS				
PP - Polypropylene	Chemical resistance to acids, salts, and detergents	+5°C to +104°C	White - Grey - Blue	Suitable
PE - Polyethylene	Excellent resistance to impact and fatigue, and for its flexibility	-50°C to +65°C	Natural - Blue	Suitable
AC - Acetal	low friction coefficient with the greatest resistance to scratching and heavy loads	-40°C to +90°C	White - Natural- Blue	Suitable
FOR SPECIAL APPLICATIONS				
PEO - Polyethylene	Resistant to UV-Rays	-50°C to +65°C	Black	Suitable
PPM - Polypropylene	Detectable by metals and X-Rays	+5°C to +63°C	Blue	Suitable
ACM - Acetal	Detectable by metals and X-Rays	-40°C to +80°C	Blue	Suitable
PED - Polyethylene	Metal detectable	-40°C to +50°C	Blue	Suitable
PPE - Polypropylene	Electrically conductive	+5°C to +55°C	Black	Unsuitable
ACE - Acetal	Electrically conductive	-30°C to +70°C	Black	Unsuitable
AAN - Anti-wear	Wear-retardant material	-30°C to +80°C	Yellow	Unsuitable
AA - Anti-wear	Wear-retardant material	-40°C to +85°C	Natural	Suitable
TPC - High impact	High impact material at low temperature	-40°C to +110°C	Cream	Suitable
AC - High impact	High impact material and scratches	-40°C to +90°C	Natural - White	Suitable
PPV - Polypropylene	Special polypropylene for pasteurizers	+5°C to +104°C	Green	Suitable
PPL - Polypropylene	Flame resistant	+5°C to +104°C	White	Unsuitable
PPN - Polypropylene HT	Low adherence to rubber	+5°C to +120°C	Natural	Suitable
PK - Polyketone	Good wear and friction properties, with a low noise level	-30°C to +80°C	White - Cream - Blue	Suitable
FOR HEAT RESISTANT APPLICATIONS				
NYN - Nylon	Resistant to wear in abrasive and dry environments	-40°C to +120°C	Natural	Suitable
NYR - Nylon HT	High temperatures resistant (HT)	-40°C to +150°C	Brown	Suitable
NYJ - Nylon HT plus	High temperatures resistant (HT plus V0)	-40°C to +170°C	Red	Unsuitable
PPS	Polymer with higher hardness and stiffness, high mechanical, chemical and fatigue resistance	-40°C to +200°C	Brown	Suitable
FOR FRICTION TOP BELTS	We have three hardness grades:			
TPE - Thermoplastic elastomers	Shore A35 | Lower hardness and maximum adherence	-40°C to +100°C	Grey	Suitable
	Shore A45 | Intermediate hardness		Black	Unsuitable
	Shore A60 | Higher hardness and durability		Beige	Suitable

SPROCKETS



Nº Teeth (Z)	Ø Pitch	Bore for square shaft mm	Bore for square shaft inch	Hub width
SERIES C12				
11	42,59	20	3/4	25
16	61,51	20 - 25	0,8 - 1	25
20	76,7	40	1,5	25
26	99,55	40	1,5	25
31	118,61	40 - 60	1,5 - 2,5	25
40	152,94	40 - 60	1,5 - 2,5	25
SERIES F12				
13	50,98	20	-	25
20	77,99	40	1,5	25
38	147,74	40 - 60	1,5 - 2,5	25
SERIES E20				
8	52,5	20	3/4	24
16	102,5	40	1,5	40
24	153,5	40 - 60	1,5	40
SERIES A24				
7	55,31	20	-	20
13	100,25	40	1,5	40
20	153,41	40 - 60	1,5	40
25	191,48	40 - 60 - 90	1,5	40
SERIES E30				
6	60	25	-	24
9	87,70	25 - 40	1 - 1,5	24
11	106,50	40	1,5	40
14	134,82	40	1,5	40
16	153,50	40 - 60	1,5 - 2,5	40
18	172,76	40 - 60	1,5 - 2,5	40
20	191,50	40 - 60 - 90	1,5	40
SERIES E31 y E32				
9	87,70	25 - 40	1 - 1,5	24
11	106,50	40	1,5	40
14	134,82	40	1,5	40
16	153,50	40 - 60	1,5 - 2,5	40
18	172,76	40 - 60	1,5 - 2,5	40
20	191,50	40 - 60 - 90	1,5	40
SERIES E40 y E41				
8	104,5	40	1,5	40
10	129,4	40-60	1,5	40
13	167,1	40-60	1,5	40
16	205	40-60	1,5	40
20	255,7	40-60-90	1,5	40

Nº Teeth (Z)	Ø Pitch	Bore for square shaft mm	Bore for square shaft inch	Hub width
SERIES B50				
6	100	40	1,5	40
8	130,65	40	1,5	40
10	161,80	40-60	1,5 - 2,5	40
12	193,18	40-60	1,5 - 2,5	40
16	256,29	40-60-90	1,5 - 2,5 - 3,5	40
SERIES E50				
6	100	40	1,5	40
8	130,65	40	1,5	40
10	161,80	40-60	1,5 - 2,5	40
16	256,2	40-60	1,5 - 2,5	60
SERIES D50				
10	161,8	40-60	1,5 - 2,5	40
12	193,18	40-60	1,5 - 2,5	40
16	256,29	40-60	1,5 - 2,5	40
SERIES E80				
8	130,6	40	1,5	40
10	161,80	40-60	1,5	40
12	193,18	40-60	1,5	40
16	256,3	40-60-90	1,5	40
SERIES E925				
12	96,59	40	1,5	40
16	128,15	40	1,5	40
20	159,81	40 - 60	1,5 - 2,5	40
SERIES E930				
11	106,5	40	1,5	25
16	153,77	40-60	1,5	25
20	191,5	40-60	1,5	25
SERIES Q50				
8	130,65	40	1,5	40
10	161,80	40 - 60	1,5 - 2,5	40
12	193,18	40 - 60	1,5 - 2,5	40

Both the shape of the modules and that of the sprockets are very important in the design of the different series. The perfect coupling of the modules to the sprockets assures a direct drive free of slips and lateral displacements, typical of the conventional traction systems.

EUROBELT offers all sprockets in polypropylene, polyacetal and in stainless steel for those applications in which it is required.

We have plastic sprockets for round shaft with and without keyway. We also have sprockets to be used with motor drum in applications needing a special cleaning or in conveyors in which it is not possible to place the motor in the outside due to problems of space or safety.

**Consult the technical department for the availability of split sprocket or mechanized sprocket with different numbers of teeth.*

FLIGHTS AND SIDE GUARDS

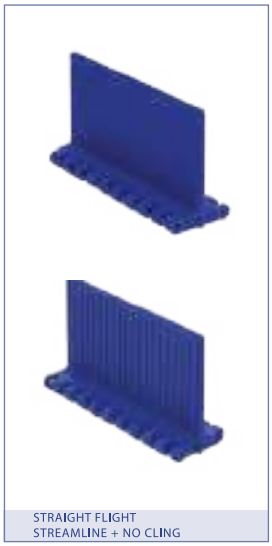
Seriess	Height (mm)												
	25	45	50	70	75	90	95	100	115	120	125	140	150
STREAMLINE FLIGHT													
E50	•		•		•								
NO CLING FLIGHT													
C12			•										
E30	•		•										
E50	•		•		•			•			•		•
Q50								•					
STRAIGHT FLIGHT STREAMLINE + NO CLING													
E20	•		•										
A24	•		•										
E30	•		•		•								
E40	•		•		•			•					
E50	•		•		•			•			•		•
B50	•		•		•			•					•
E80	•		•		•			•					•
E93	•		•										
RIBBED FLIGHT													
E50					•								
BENT FLIGHT (STREAMLINE)													
E50					•								
BENT FLIGHT (NO CLING)													
E50		•		•		•			•			•	
BENT FLIGHT STREAMLINE + NO CLING													
A24		•											
E30		•		•									
E40		•		•		•							
E50		•		•		•			•			•	
B50		•		•		•						•	
E80		•		•		•						•	
SCOOP FLIGHT													
E50							•			•			
B50								•					
E80													•
GROOVED FLIGHT													
E30			•										
FLUSH GRID FLIGHT													
E30			•										
SIDE GUARDS													
E20			•										
A24			•										
E30			•		•								
E40			•		•			•					
E50			•		•			•					
B50			•		•			•					
E80			•		•			•					


STREAMLINE FLIGHT


BENT FLIGHT (STREAMLINE)


NO CLING FLIGHT


BENT FLIGHT (NO CLING)


STRAIGHT FLIGHT
STREAMLINE + NO CLING

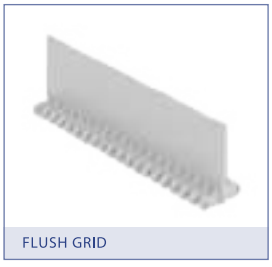

BENT FLIGHT
STREAMLINE + NO CLING


RIBBED FLIGHT


SCOOP FLIGHT


SIDE GUARDS


GROOVED FLIGHT


FLUSH GRID

EUROBELT

S E R I E S

Q50

F L A T T O P

The **quickbelts** modular conveyor belts are manufactured with heating plastics forming an interlaced structure injection pieces in an advanced design whose configuration makes them ideal support for **food transport and industrial product.**

Pitch	Thickness	Open area	No rods	Product take-off	Belt width	Q50 Flat Top
50 mm	16 mm	0 %			Multiple of 40 mm	NSF 14159-3

quickbelts are manufactured in **Polyketone**, a **new polymer material** which provides the best possible performance for a wide range of applications.

Standar material of the belt	Temperature (°C)	Belt Resistance (kg/m)	Belt weight (kg/m²)	Colour available	Food contact
PK - Policetona	-30 a +80	2250	11,85	Blue, White	FDA

Excellent chemical resistance.
Resistance to chemical agents such as hydrocarbons, acids, etc.

Good tribological properties.
Wear, abrasion and friction resistance, and low-noise level.

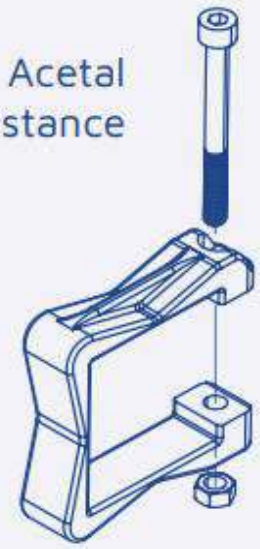
Very high hydrolysis resistance.
Dimensional and properties' maintenance stability in humid and hot enviroments.

RETAINING

CLU

RING

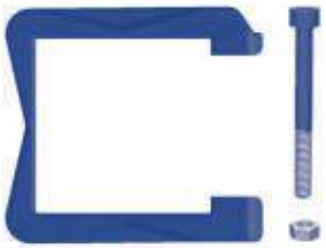
Acetal
High resistance



CLU RETAINER RING

The CLU Eurobelt retainer rings guarantee the fastening of the central sprocket on both drive and idle shafts.

The belt can expand or contract due to the temperature. The drive system of modular belts requires the central sprocket not to move axially both in the drive and the idle shafts. The rest of sprockets can slide freely on the shaft adapting to the possible changes of the belt, so that the correct position of the teeth is guaranteed.



POLYACETAL.
Working temperature: -40°C / +60°C
To square shaft of 40 mm or 1.5"

Fast and easy installation

1 **Direct installation** without dismantling the shaft.

2 **Easy placing** on the shaft by opening the ring.

3 Reliable closing of the ring by means of a screw and nut at a **low cost.**

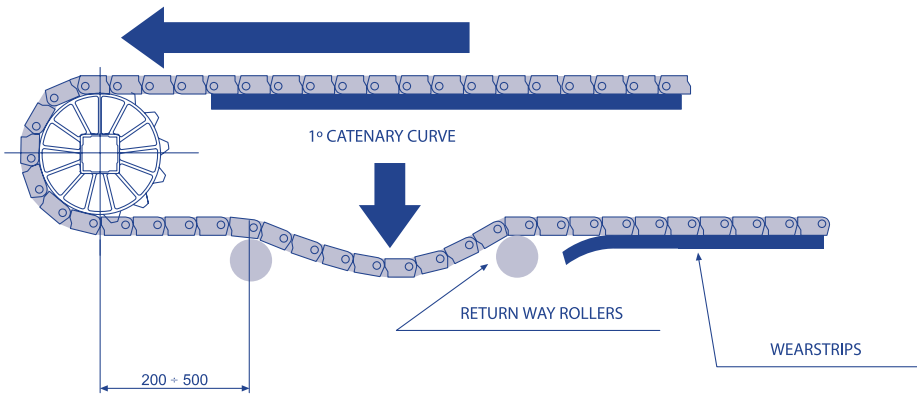
Technical data

CATENARIES

Unlike other conventional conveyor belt systems, in which it is necessary to apply to the belt a high adherence tension with regard to the transmission drums, in the EUROBELT modular conveyor belt system, with direct and positive traction by means of sprockets, this tension must be the minimum necessary, so that the sprockets get correclty fitted to the belt to work properly.

To achieve this, it is necessary to leave the belt hanging down freely when coming out of the sprockets, once the first support roller has been surpassed, forming a hanging called catenary curve. It will act as a natural take-up, absorbing the changes in length of the belt owing to expansions and contractions. It will apply a tension fixing the belt on the teeth of the sprockets.

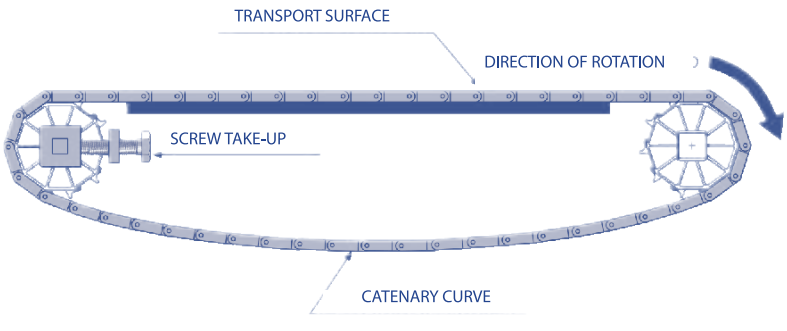
Then the belt can rest on return-way rollers, whose distance will be lesser than that of the first catenary, or on wearstrips.



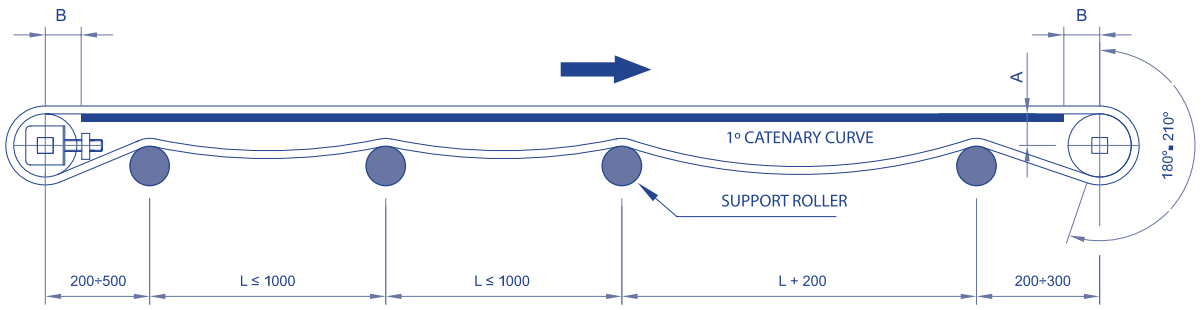
CONVEYOR UNDER 2 METRES

If the conveyor length is under 2 metres, there will be just one catenary that will hang down freely all along the return way.

In this case it will not be necessary to place any roller in the return way.



CONVEYOR OVER 2 METRES

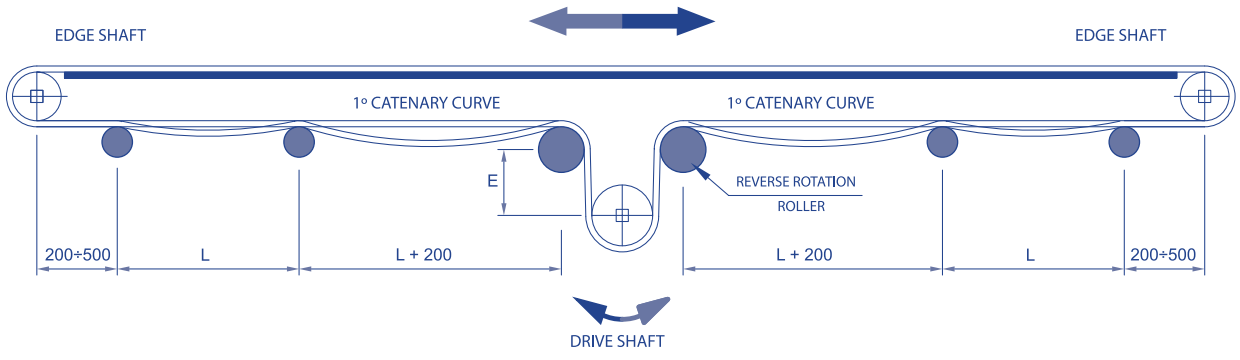


For conveyor lengths over 2 metres, support rollers will be placed in the return way in order to create the catenary curves. The distance between the sprocket centre and the first roller should range between 200 and 300 mm for the drive shaft, and between 200 and 500 mm for the idle shaft. The first catenary in the travel direction will be bigger than the rest of catenaries of the conveyor.

The recommended diameter for the support rollers is 50 mm for the belts with a pitch up to 30 mm, and 100 mm for the belts with a bigger pitch.

For applications with heavy loads or needing to reduce the conveyor dimensions due to lack of space, the support rollers will be raised for allowing the belt to roll round the sprocket between 180º and 210º.

BIDIRECTIONAL CONVEYOR



For bidirectional conveyors, the drive shaft is placed in the centre of the return way at a distance (E) which should be at least the triple of the Belt pitch with regard to the reverse-rotation rollers. These rollers must have a bigger diameter than the support rollers, 100 mm for the belts with a pitch up to 30 mm, and 150 mm for the belts with a bigger pitch.

The first catenary at every side of the drive shaft will be bigger than the rest of catenaries.

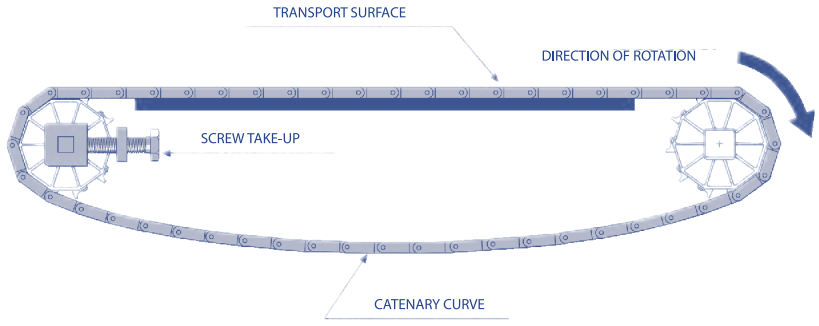
Technical data

TAKEUPS

As shown in the previous chapter, catenary curves act as dynamic gravity takeups that in many cases can provide enough tension of adherence, so that the sprockets do not slide beneath the belt and can pull it properly.

In many cases, these curves do not provide that tension, being necessary the placement of other type of takeups.

SCREW TAKE-UP



This kind of takeups consists of a a shaft displacement system, normally the idle shaft, that modifies the real belt length and adapt it to the possible changes occurred because of expasions-contractions, losses of tension, etc.

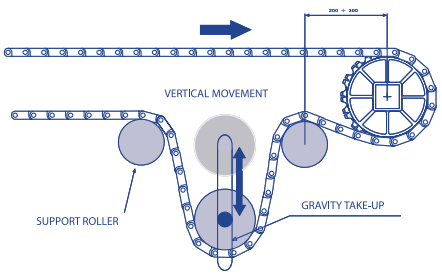
To carry out this displacement, the bearing journals are put on some slots in the structure of the conveyor, making the fastening by means of regulating screws.

When acting on them, the desired displacement is carried out.

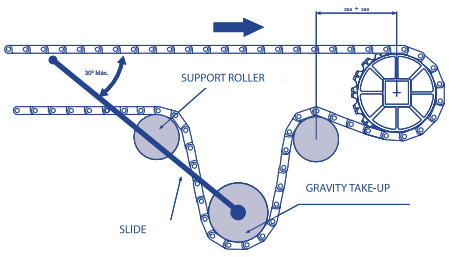
Usually these takeups are valid to position the catenary curve, and not as a system to control the changes in the belt length. This type of take-up is suitable to make easy the assembly and dismantling of the belt, as well as to control and regulate the sag of the catenaries.

These screw takeups usually will be accompanied usually by other type of complementary take-up, depending on the characteristics of the application.

GRAVITY TAKE-UP BY SLIDE



GRAVITY TAKE-UP BY SWING ARM

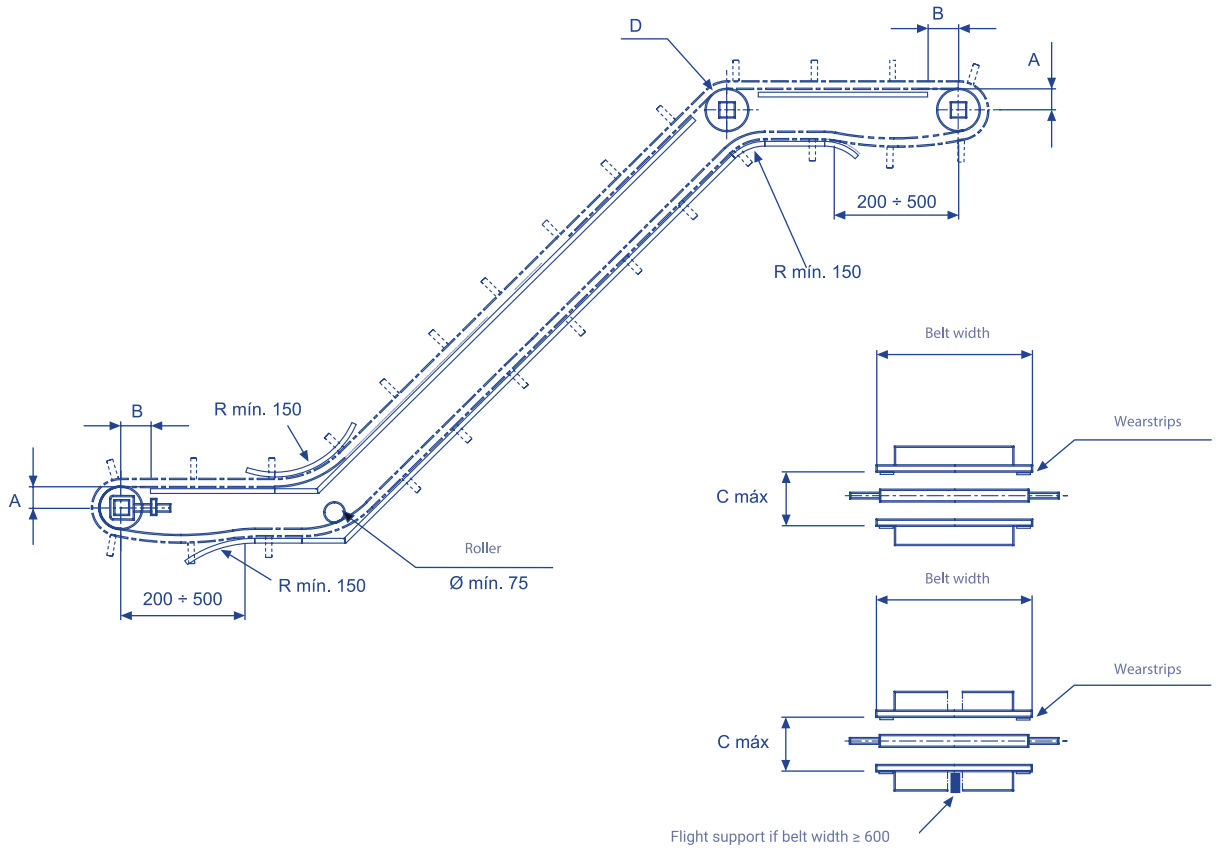


These are takeups consisting of a roller with a determined weight that leans on the return way of the belt, supplying enough tension to the sprockets, so that they can perform a proper traction.

Series C12 / F12 / E20 / A24 / E30		Series E40 / E41 / E50 / B50 / D50 /E80 / E93		Series E925	
Diameter (mm)	Weight (kg/m of belt width)	Diameter (mm)	Weight (kg/m of belt width)	Diameter (mm)	Weight (kg/m of belt width)
Ø 100	20 kg	Ø 150	40 kg	Ø 100	40 kg

CONSTRUCTION DATA

ELEVATING CONVEYOR WITH FLIGHTS



ELEVATING CONVEYORS

They are used for product lifting.

The belt must be fitted with Friction Top modules, flights and sometimes side flaps for product containment.

These require special design guidelines, as shown in the diagram above. As with horizontal conveyors, traction on the back shaft should be avoided (if in doubt, please consult our technical department).

When using very high or curved flights, it must be ensured that their spacing does not cause the product to be crushed at the inflection point [R].

Also, small diameter drive sprockets, depending on the series, can cause the side guards to open and the product to overflow.

[D] If sprockets are used on the inflection shaft, do not retain the central one.

[R] This radius should be as large as the application allows in order to reduce the pressure in the rotating area and reduce the frictional stress (min. 150 mm).

See table for recommended minimum values depending on the Series, as well as for lateral belts with side guards.

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