EUROBELT

AFHER EUROBELT S.A.
Topacio, 41
47012 Valladolid
(Spain)
Tel.: +34 983 217 480
Fax: +34 983 217 481
afher@eurobelt.com
www.eurobelt.com

AFHER EUROBELT S.A. is a leading company in the manufacturing of plastic modular belts to transport food and industrial product.

Eurobelt offers a wide range of products that responds to most of the internal transport needs.

To carry out its activity, AFHER EUROBELT S.A. has a staff in continuous training, which is implicated from the first offer to the manufacturing and finally the after-sales service.

The EUROBELT conveyor belts help to improve the applications in a great number of industries: Car, Beverage, Meat, Preserved Fish and Vegetables, Dairy Produce, Fruit and Vegetables, Industrial Pastry, Fish, Wine ...

"EUROPEAN MANUFACTURER, PIONEER IN CONVEYOR BELTS"

"30 YEARS SOLVING PROBLEMS"

Our position of leader in the conveyor-belts market engages us to a continue innovation of our products, so that Eurobelt has modern installations in order to give the best service to our customers.

SALES DEPARTMENT

We know your industry, your applications, and your needs. So our sales department will provide you all the technical advice your company may need from the beginning.

TECHNICAL DEPARTMENT

A team of engineers, devoted exclusively to the development of new products, assures our commitment to supply the best solutions to all your requirements.

MANUFACTURING

The Eurobelt conveyor belts are moulded with technical plastics forming a structure of injection pieces which constitutes the suitable support for transporting food and industrial products.

The quality of our products is due to the use of state-of-the-art equipments and plastic materials in the whole manufacturing process.

In order to be able to provide the best delivery time in the market, Eurobelt has a surface of 4.000 m^2 in its premises to stock all the pieces that will form your conveyor belt.

ASSEMBLY

The injection pieces are interlaced forming rows which, joined by means of connecting rods, which are retained at every side by removable caps, constitute your conveyor belt.

This modular configuration enables to customize you belt according to your application needs.

QUALITY

The quality of our products is obtained by using upto-date equipments and plastic materials in all the manufacture process.

Eurobelt accomplishes quality controls and tests in all their production processes in order to offer the best product of the market.

DISPATCH

Once the manufacturing of your belt is finished, our dispatch department makes a final inspection before packing it.

Eurobelt uses the most modern packing methods to avoid any damage of your product during the transport.

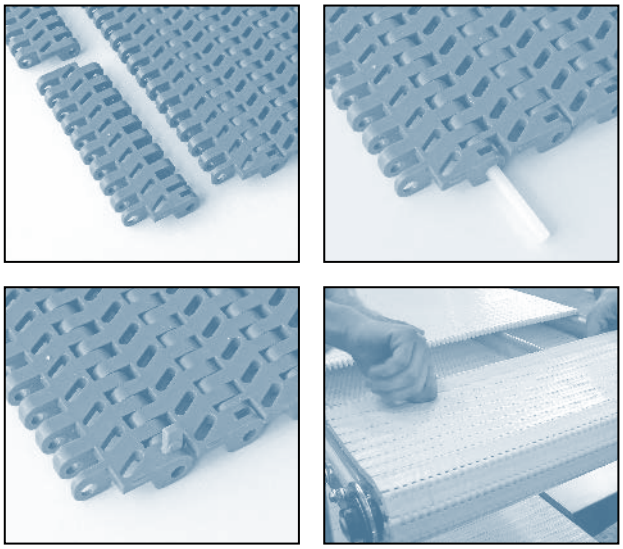
MODULAR SYSTEM CHARACTERISTICS

The EUROBELT conveyor belts are moulded with technical plastics forming a structure of injected pieces interlaced in an advanced design, whose configuration makes them be the suitable support for conveying food and industrial products.

Their modular configuration allows us to manufacture a made-to-measure belt for you.

We will introduce the rod in the hole existing across every module to join the different lines of modules that make up the belt.

The fastening of the rods is carried out by means of extractable caps. These caps will be inserted into the lodgings existing for that purpose in the end modules.



NOISELESS AND LIGHT

Due to their low weight, the support structures are light and easy to handle, needing motors of lesser power, which implies an energy saving.

NO NEED TO APPLY ANY LUBRICANT

Minimum coefficient of friction that avoids the traditional lubricant sprinkling, improving the work conditions, reducing the maintenance, and eliminating the problem of wet products.

MINIMUM MAINTENANCE

One of the most important characteristics of the plastic modular belt is the low maintenance cost. With a minimal expenditure in preventive maintenance, the belt can work uninterruptedly until the wear of the material itself, due to the friction with the fixed portions of the conveyor, advises its replacement in order to avoid unexpected stops.

In case of accident (tear or breakage) the repair will just take some minutes, the necessary time for replacing the damaged modules with no need of any specific tool.

POSITIVE TRACTION, AVOIDING POSSIBLE SLIPS

The direct traction is carried out by means of sprockets that eliminate slips in the drums, lateral displacements, and other problems of conventional systems. Furthermore, the use of square shafts avoids the need of keyways, strengthens the traction, and absorbs the expansions between the plastic sprocket and the metallic shaft.

TOTAL SAFETY IN MANIPULATION

Total safety for workers when manipulating the product directly on the belt, avoiding the risk of accidents and improving therefore the working conditions..

EASY CLEANING

The EUROBELT plastic modular belts can be moved, taken off, lifted, even easily dismantled, in order to allow the access to the most difficult areas to clean. Water fan nozzles can be installed inside and outside the rotations of the belt to carry out a continuous cleaning.

It is important to carry out a constant maintenance and/ or cleaning of the machine, particularly in those areas in direct contact with the product.

For cleaning our plastic modular belts, use water and gel, and rinse with water and disinfectant.

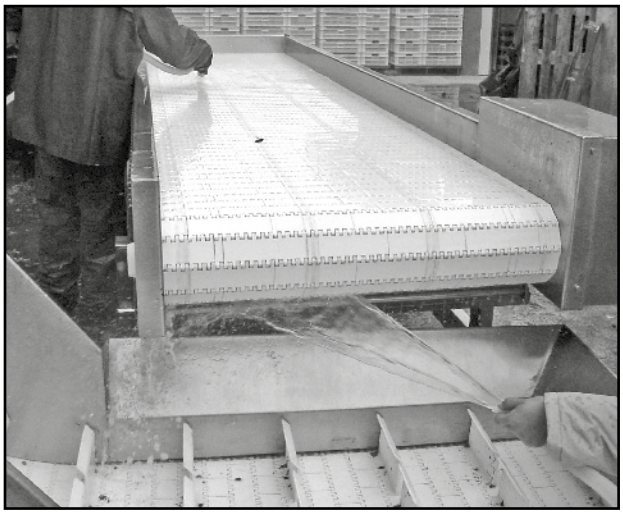
ACCESORIES

EUROBELT has a wide range of accessories for the conveyor belts to give solution to the requirements and difficulties arising sometimes in the transport systems of packed or bulk products.

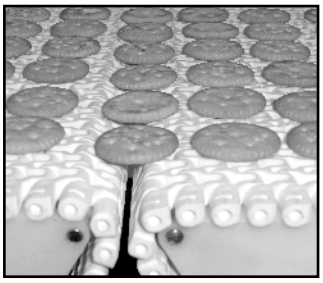
The modular configuration of the belt enables to replace just the damaged accessory in a very short time, which implies a cost saving with regard to stops in production lines.

The materials employed in the production of the accessories have suitable characteristics depending on the work conditions: impact and wear resistance, chemical resistance, direct contact with food ...

All the accessories are in stock and their delivery time is immediate.



PRODUCT RANGE [SERIES]



Pitch 12 mm
[page 21]

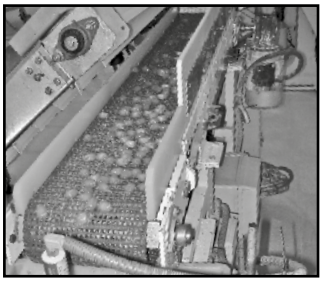
SERIES C12

With a 12 mm pitch, it enables to carry out transfers of small product at high speed with minimum turn diameters. On the other hand, when combined with a big-diameter sprocket, the turn diameter is close to an almost perfect circumference.

Its open-link structure, with reinforcements shaping a kind of fork, provides a great load capacity. Rods in view together with an extraordinary open surface supply a great easiness for cleaning.

Surfaces and abbreviations:

Flat Top [FT]	Flush Grid [FG]



Pitch 20 mm
[page 31]

SERIES E20

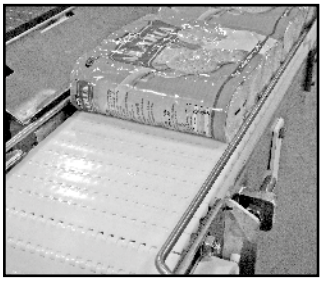
EUROBELT SERIES E20 with a pitch of 20 mm and widths in increments of 8 mm can adapt to almost every dimension. It is ideal for replacements which are complicated or having non-metric dimensions.

The traction is carried out in the central part of the modules; that is why it can be used as a bidirectional belt.

It enables transferences with a turn diameter of about 30 mm.

Surfaces and abbreviations:

Flat Top [FT]	Flush Grid [FG]	Raised Rib [RR]	Trian Friction [TF]
Trian [TR]	Sliding Rollers [SR]		



Pitch 24 mm
[page 47]

SERIES A24

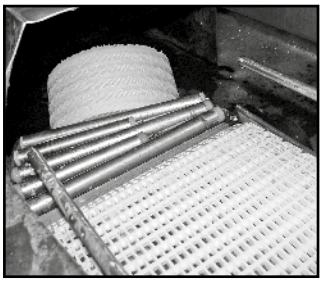
Two of the most important concerns in the conveyor-belt market are: getting a secure traction as well as an easy cleaning. At EUROBELT we have developed SERIES A24 thinking of complying rigorously these two technologic challenges.

The Series A24, both with a direct traction on two inclined faces and a big contact surface with the sprocket, provides optimal pushing conditions. This make it be one of the belts with the most reliable traction of the market.

The special design of this series makes easier the access to the most difficult areas for cleaning. That is why it has been conceived with open endings, working and return-way surfaces completely smooth, openings in the joint areas, and sprockets with big rounded holes, for making easy the most demanding cleaning.

Surfaces and abbreviations:

Flat Top [FT]	Flush Grid [FG]	Raised Rib [RR]



Pitch 30 mm
[page 59]

SERIES E30

EUROBELT SERIES E30, with a 30 mm pitch, is specially indicated for conveying and elevating small product at high speed.

The traction is made in the central part of the modules, so that it can be used as a bi-directional belt.

Its extraordinary adaptability, combined with its great resistance, allows reaching important conveyor lengths.

Surfaces and abbreviations:

Flat Top [FT]	Perforated [PF]	Flush Grid [FG]	Open Grid [OG]
Raised Rib [RR]	Trian Friction [TF]	Flat Friction [FF]	Sliding Rollers [SR]

Pitch 30 mm
[page 79]

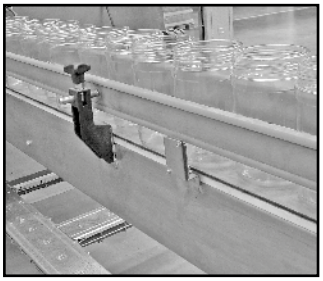
SERIES E31

EUROBELT SERIES E31 has a 30 mm pitch and a mould-to-width configuration of 152.40 mm wide. For applications in which a different width is required, please ask EUROBELT directly.

It has been designed for carrying out dynamic lateral transfers of containers in perpendicular intersections of lines.

Surfaces and abbreviations:

Lateral Transfer [LT]



Pitch 30 mm
[page 85]

SERIES E32

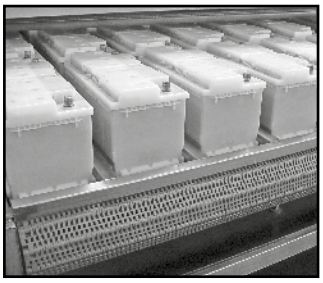
EUROBELT SERIES E32 has a 30 mm pitch and a mould-to-width geometry whose widths are 82.50, 114.30, 152.40, and 190.50 mm.

The EUROBELT E32 mould-to-width belts are much more noiseless and require smaller maintenance costs than the table-top belt lines. Moreover, not needing any type of lubricant for their normal working, their profitability is assured.

Surfaces and abbreviations:

Flat Top [FT]

PRODUCT RANGE [SERIES]



Pitch 40 mm
[page 91]

SERIES E40

EUROBELT SERIES E40 is the most resistant of all our belts, thanks to its specific design and high strength.

Its 40 mm pitch minimizes the polyhedron effect typical of big-pitch belts and makes easier the transference of product.

Its strong structure, together with the central traction system, enables working with very heavy loads in very extreme conditions.

Surfaces and abbreviations:

Flat Top [FT]	Flush Grid [FG]	Non Slip [NS]	Sliding Rollers [SR]

Pitch 40 mm
[page 105]

SERIES E41

EUROBELT SERIES E41 has the same basis structure than SERIES E40, but some projecting ribs have been added on its whole surface in which the finger-plates teeth get linked at the infeed and the outfeed of the conveyor.

This conveyor belt, combined with the finger plates, provides a transfer system that avoids the overturning of the recipients.

Surfaces and abbreviations:

Raised Rib [RR]

Pitch 50 mm
[page 115]

SERIES E50

EUROBELT SERIES E50 with a 50 mm pitch is the most versatile of all our series due to its wide range of models and accessories.

It can be used in many applications: elevating and descending conveyors, press machines, palletizers and depalletizers, boiling, glazing, freezing, etc.

It is the most practical solution for most of the conveying applications which do not need very specific requirements. The industries requiring more this series are those of fish, preserved food, and fruits and vegetables, among others.

Surfaces and abbreviations:

Flat Top [FT]	Perforated [PF]	Flush Grid [FG]	Open Grid [OG]
Open Grid High [OH]	Knurled [KN]	Conic [CO]	Trian Friction [TF]
Conic Friction [CF]	Sliding Rollers [SR]		

Pitch 50 mm
[page 137]

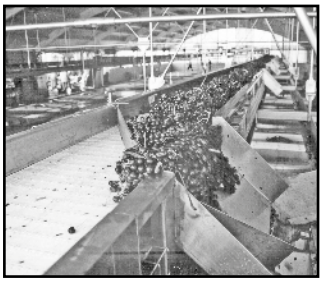
SERIES B50

EUROBELT SERIES B50 is the most hygienic and resistant modular belt for food industry. Designed with completely rounded corners, open edges, and bigger openings in the hinge area, it is very easy to clean, even when it is working.Its underside transversal drive bar and the compact design of the sprockets make this belt the best alternative for big conveyors with heavy loads.

Manufactured with materials very resistant to scratches and penetration, it provides a high reliability in processes with cutting tools or in cases of important impacts.It is specially advised for the meat industry or for processes in which the cleanliness is essential.

Surfaces and abbreviations:

Flat Top [FT]	Perforated [PF]	Flush Grid [FG]



Pitch 50 mm
[page 151]

SERIES E80

EUROBELT SERIES E80 has a 50 mm pitch. Designing both sides of the belt by means of flat surfaces, we avoid the adherence and the retention of the product when it is manipulated. Its open-hinge structure that gets open as the belt rotates contributes to a better cleaning.

This belt has been designed for guarantying an easy cleaning in applications with products which are liable to release particles or liquid debris, in order to avoid later contaminations.

Surfaces and abbreviations:

Flat Top [FT]	Perforated [PF]

Pitch 30 mm
[page 163]

SERIES E93 CURVES

EUROBELT SERIES E93 is designed for working simultaneously in straight and curve sections, carrying out all type of turns. Its FLUSH GRID geometry with smooth and rounded edges provides an excellent drainage (having a 47% open area). which makes it suitable for cooling or freezing processes.

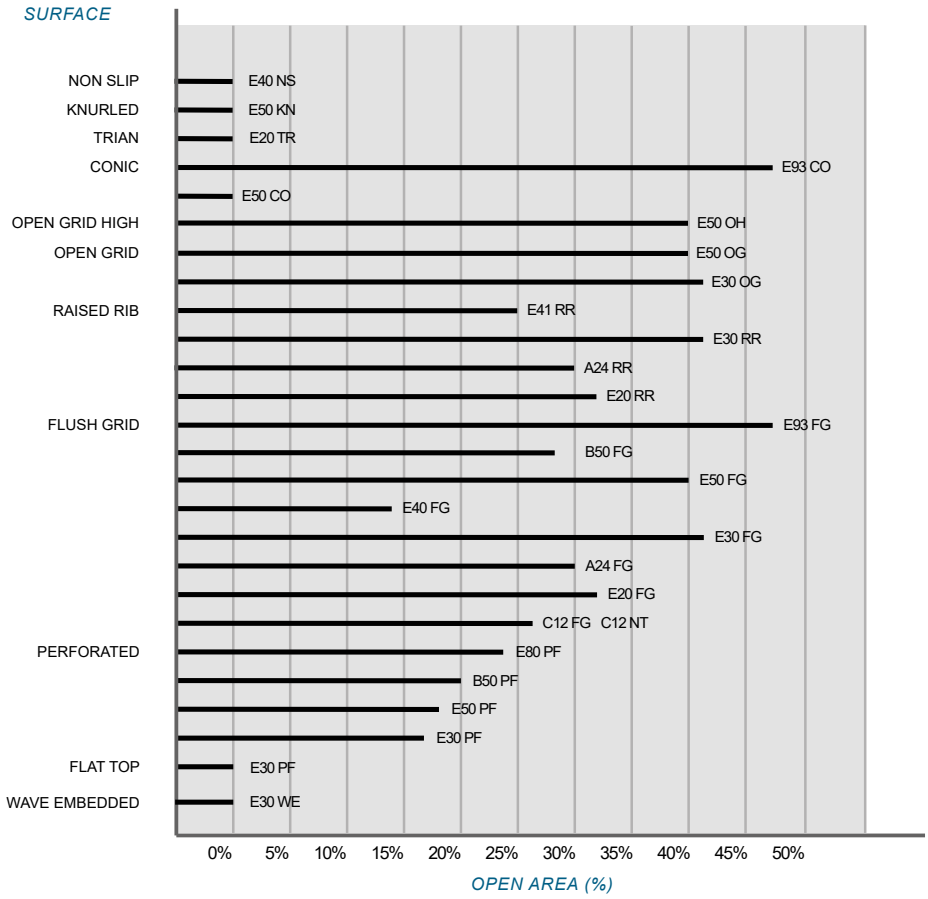
A special fastening system for the joining rods prevents them from sliding in the outside radius, providing the system with a greater effectiveness.

The fastening side tab is located in the lower lateral part of the belt, enabling the transport of products exceeding the belt width. It can be cleaned easily due to its highly permeable structure.

Surfaces and abbreviations:

Flush Grid without edge tab [FG]	Flush Grid with edge tab [FG]	Sliding Rollers [SR]
Conic [CO]	Conic Friction [CF]	

PRODUCT RANGE [SURFACE]



CLOSED SURFACE

FLAT TOP

OPEN SURFACE

PERFORATED
FLUSH GRID
RAISED RIB

NON-STICK SURFACE

TRIAN
KNURLED
OPEN GRID
OPEN GRID HIGH

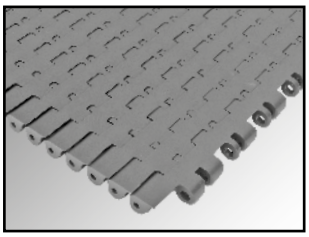
NON-SKID SURFACE

CONIC
NON SLIP
TRIAN FRICTION
FLAT FRICTION
CONIC FRICTION

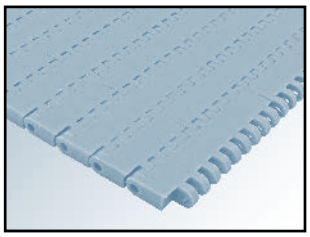
SLIDING SURFACE

SLIDING ROLLERS

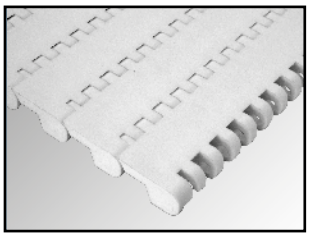
FLAT TOP



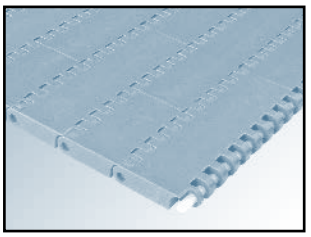
SERIES C12
Pitch 12 mm
Open area 0%
[page 21]



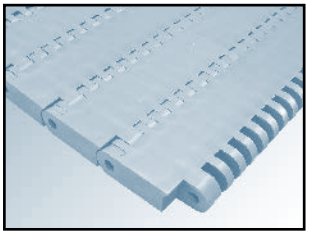
SERIES E20
Pitch 20 mm
Open area 0%
[page 31]



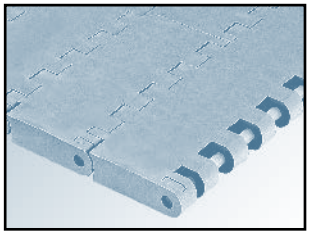
SERIES A24
Pitch 24 mm
Open area 0%
[page 47]



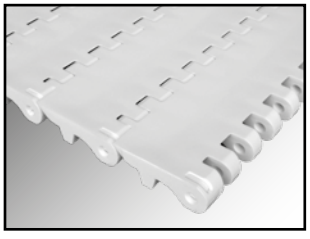
SERIES E30
Pitch 30 mm
Open area 0%
[page 59]



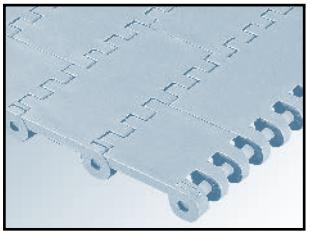
SERIES E40
Pitch 40 mm
Open area 0%
[page 91]



SERIES E50
Pitch 50 mm
Open area 0%
[page 115]

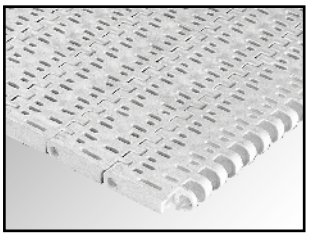


SERIES B50
Pitch 50 mm
Open area 0%
[page 137]

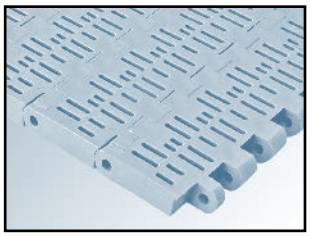


SERIES E80
Pitch 50 mm
Open area 0%
[page 151]

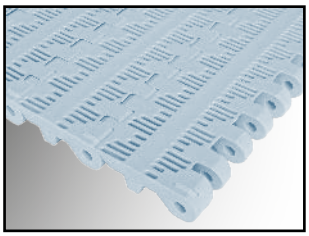
PERFORATED



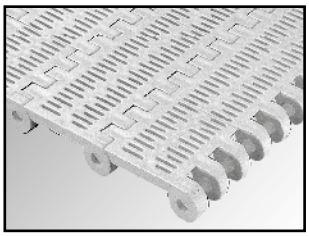
SERIES E30
Pitch 30 mm
Open area 17%
[page 60]



SERIES E50
Pitch 50 mm
Open area 18%
[page 116]

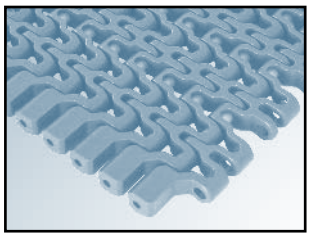


SERIES B50
Pitch 50 mm
Open area 20%
[page 138]

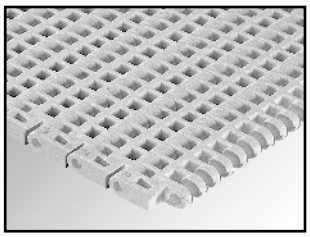


SERIES E80
Pitch 50 mm
Open area 24%
[page 152]

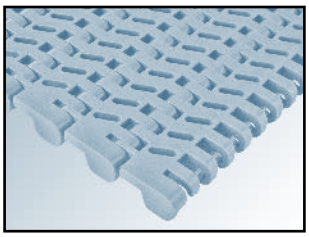
FLUSH GRID



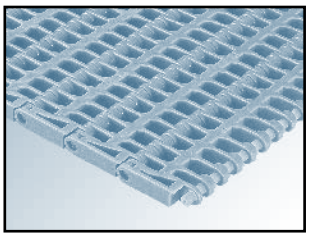
SERIES C12
Pitch 12 mm
Open area 26%
[page 22]



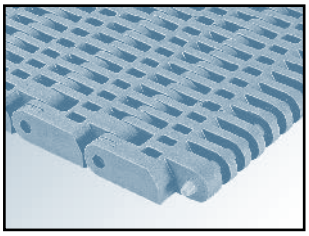
SERIES E20
Pitch 20 mm
Open area 32%
[page 32]



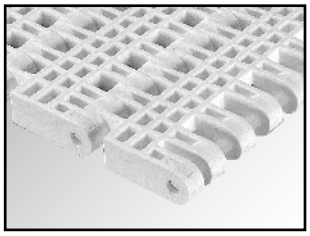
SERIES A24
Pitch 24 mm
Open area 30%
[page 48]



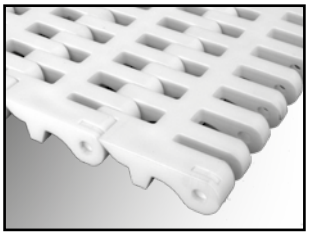
SERIES E30
Pitch 30 mm
Open area 41%
[page 61]



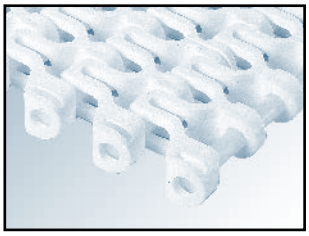
SERIES E40
Pitch 40 mm
Open area 14%
[page 92]



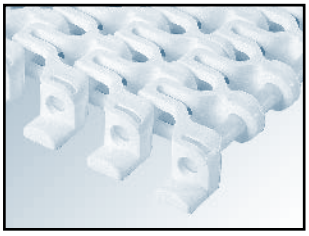
SERIES E50
Pitch 50 mm
Open area 40%
[page 117]



SERIES B50
Pitch 50 mm
Open area 28%
[page 139]



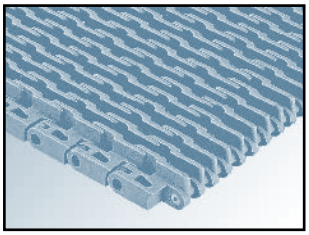
SERIES E93 without edge tab
Pitch 30 mm - Curves
Open area 47%
[page 163]



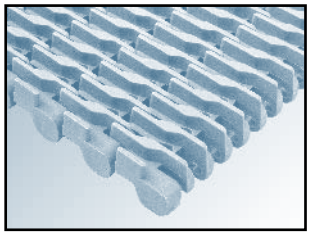
SERIES E93 with edge tab
Pitch 30 mm - Curves
Open area 47%
[page 164]

PRODUCT RANGE [SURFACE]

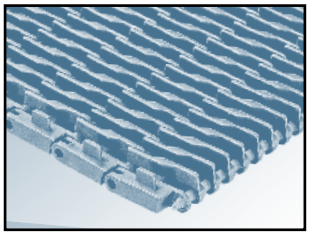
RAISED RIB



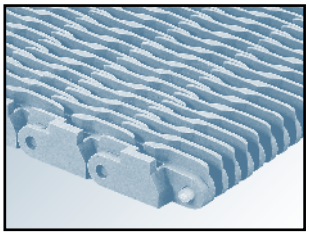
SERIES E20
Pitch 20 mm
Open area 32%
[page 33]



SERIES A24
Pitch 24 mm
Open area 30%
[page 49]

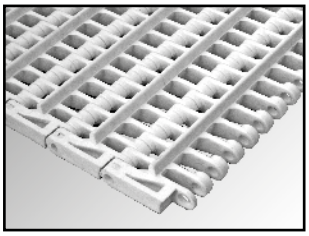


SERIES E30
Pitch 30 mm
Open area 41%
[page 63]

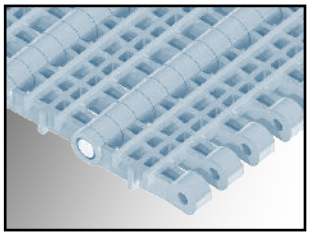


SERIES E41
Pitch 40 mm
Open area 25%
[page 105]

OPEN GRID

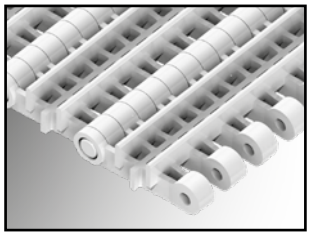


SERIES E30
Pitch 30 mm - Open area 41%
Mini-flight height: 5 mm
[page 62]



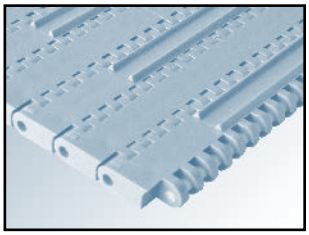
SERIES E50
Pitch 50 mm - Open area 40%
Mini-flights height: 4 mm
[page 118]

OPEN GRID HIGH



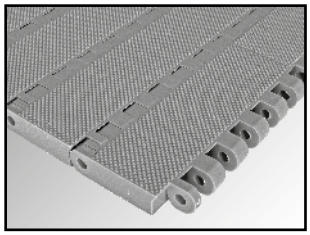
SERIES E50
Pitch 50 mm - Open area 40%
Mini-flights height: 9 mm
[page 119]

TRIAN



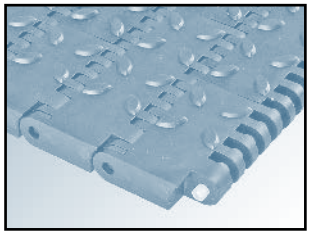
SERIES E20
Pitch 20 mm
Non-stick Surface
[page 35]

KNURLED



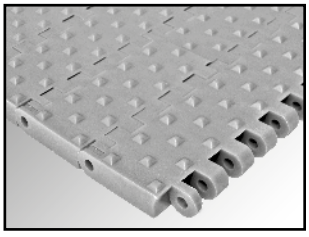
SERIES E50
Pitch 50 mm
Non-stick Surface
[page 120]

NON SLIP

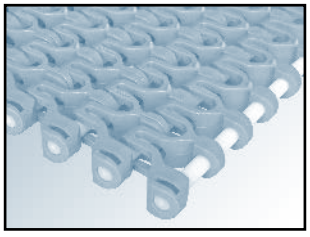


SERIES E40
Pitch 40 mm
Non-skid Surface
[page 93]

CONIC

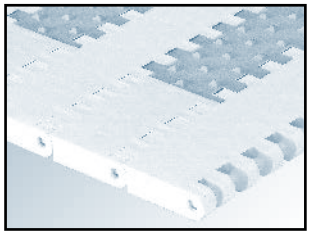


SERIES E50
Pitch 50 mm
Non-skid Surface
[page 121]

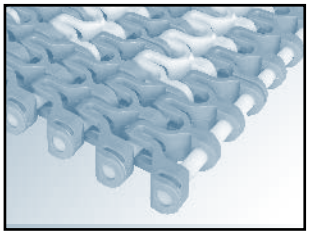


SERIES E93
Pitch 30 mm - Curves
Non-skid Surface
[page 165]

CONIC FRICTION

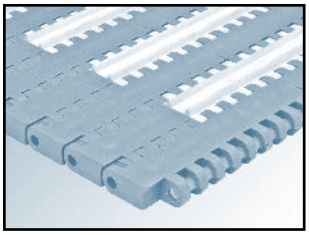


SERIES E50
Pitch 50 mm
Non-skid Surface
[page 123]

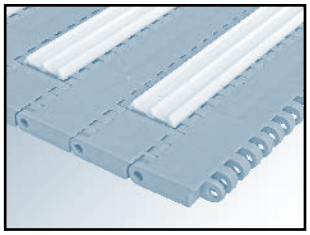


SERIES E93
Pitch 30 mm - Curves
Non-skid Surface
[page 166]

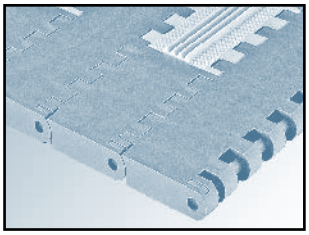
TRIAN FRICTION



SERIES E20
Pitch 20 mm
Non-skid Surface
[page 34]

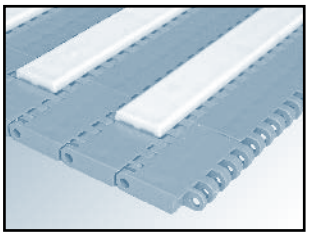


SERIES E30
Pitch 30 mm
Non-skid Surface
[page 64]



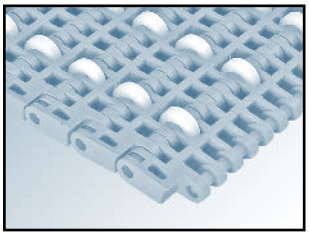
SERIES E50
Pitch 50 mm
Non-skid Surface
[page 122]

FLAT FRICTION

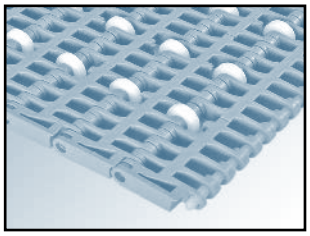


SERIES E30
Pitch 30 mm
Non-skid Surface
[page 65]

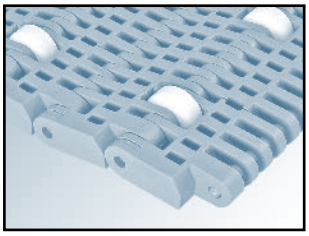
SLIDING ROLLERS



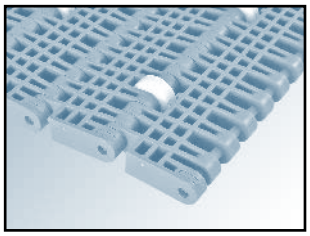
SERIES E20
Pitch 20 mm
Sliding rollers Surface
[page 36]



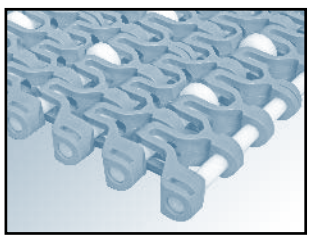
SERIES E30
Pitch 30 mm
Sliding rollers Surface
[page 66]



SERIES E40
Pitch 40 mm
Sliding rollers Surface
[page 94]

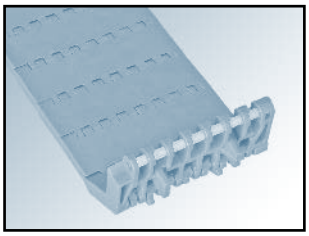


SERIES E50
Pitch 50 mm
Sliding rollers Surface
[page 124]

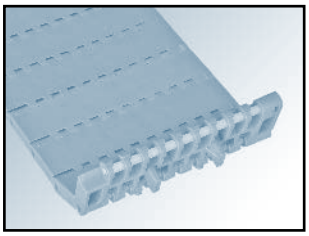


SERIES E93
Pitch 30 mm - Curves
Sliding rollers Surface
[page 165]

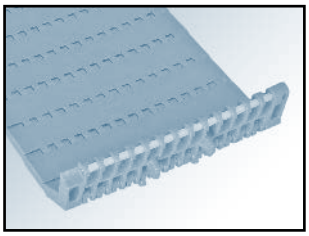
FLAT TOP *(SINGLE WIDTH / DOWN-TRACKING TABS)*



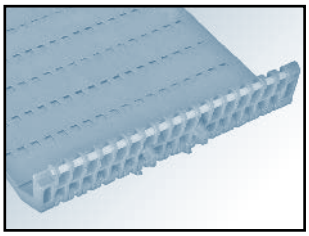
SERIES E32
Pitch 30 mm - Belt width: 82.5 mm
Down-tracking tabs
[page 85]



SERIES E32
Pitch 30 mm - Belt width: 114.3 mm
Down-tracking tabs
[page 85]

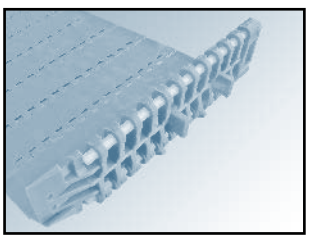


SERIES E32
Pitch 30 mm - Belt width: 152.4 mm
Down-tracking tabs
[page 85]



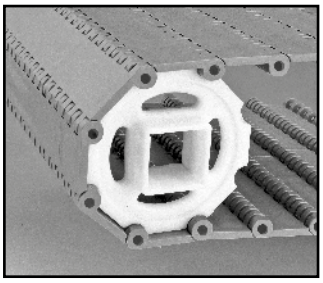
SERIES E32
Pitch 30 mm - Belt width: 190.5 mm
Down-tracking tabs
[page 85]

LATERAL TRANSFER *(SINGLE WIDTH / DOWN-TRACKING TABS)*



SERIES E31
Pitch 30 mm - Ancho 152.4 mm
Down-tracking tabs
[page 79]

PRODUCT RANGE [ACCESORIES]



SPROCKETS

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.

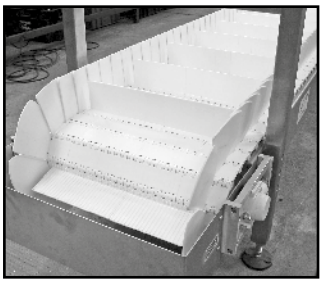
EUROBELT offers all sprockets in polypropylene, polyacetal and in stainless steel for those applications in which it is required.

FLIGHTS

The flights are plastic accessories to be placed in the belt transversely. They are useful to push the product in elevating, descending or accompaniment applications in order to avoid that it slips along the belt.

They are fastened by means of the same connecting rods of the belt.

The easy assembly and dismantling of these accessories permits to solve any problem "in situ". replacing just the damaged flight in a very short time.

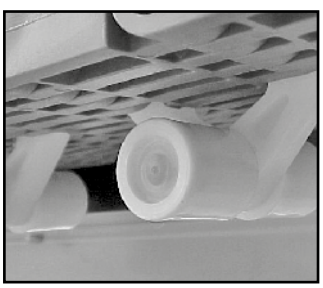


SIDE GUARDS

The side guards are plastic accessories to be inserted into the belt structure in order to contain the product, for avoiding lateral falls as well as frictions with the conveyor structure.

They are fastened by means of the connecting rods of the belt, therefore the assembly and dismantling of these accessories is easy and quick.

It permits to solve any problem "in situ". replacing just the damaged side guard in a very short time.

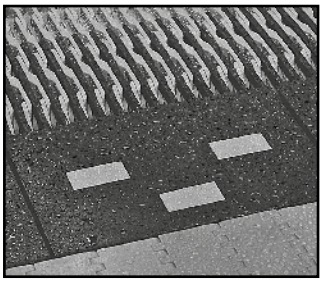


HOLD-DOWN ROLLERS

They are used to fasten the belt vertically to the conveyor in all the inflexions.

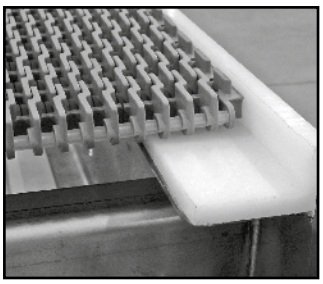
Placed in the middle of the belt, in applications in which the belt must be submerged, they avoid it gets bent due to the flotation.

They will roll along rails fastened to the conveyor structure, and it is recommended to place wearstrips to avoid the wear by rolling as far as possible.



FINGER PLATES

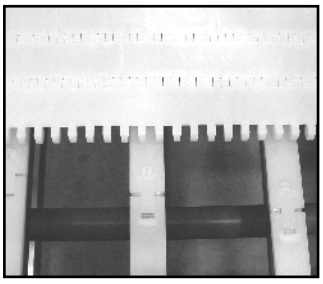
The finger plates have been designed to be used with the Raised Rib surface in applications of intersection of lines in which it is necessary to make the transfer of the product through the finger plates system.



HOLD-DOWN PROFILES

To make the fastening and the support of the belt, Eurobelt has designed two types of hold-down profiles, with different geometries, but with the same uses and services.

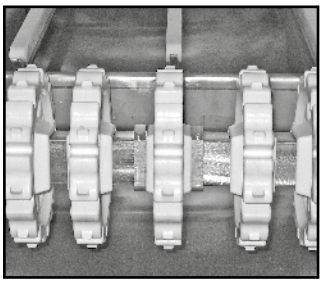
These profiles, with a low coefficient of friction, are placed between the belt and the structure of the conveyor, so the wear of the surfaces in contact is reduced, which contributes to prolong the life of the belt.



WEARSTRIPS

The flat wearstrips have a fastening system by means of flat-head plastic screws, having as a result a smooth surface that prevents any hooking.

Due to their dovetail design, they can counteract the possible longitudinal contractions or expansions that can take place.



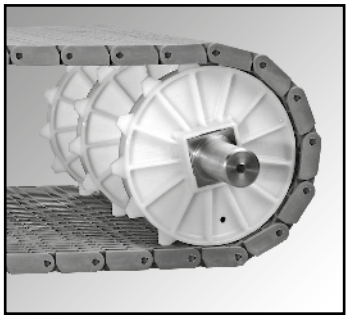
RETAINING RINGS

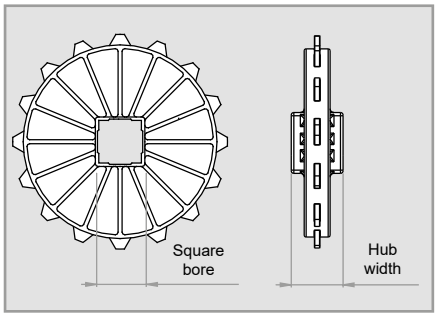
The fastening of the central sprocket is made by retaining rings manufactured in AISI-316 stainless steel.

Their design allows an easy installation without dismatling or grooving the shaf.

They are fastened through a screw that remains perfectly fixed in the ring.

PRODUCT RANGE [SPROCKETS FOR SQUARE SHAFT]





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.

Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width
		mm	inch	
SERIES C12				
11	42.59	20	3/4”	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 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 - E31 - E32				
6	60	25	-	24
9	87.7	25 - 40	1” - 1.5"	24
11	106.5	40	1.5"	40
16	153.5	40 - 60	1.5" - 2.5"	40
20	191.5	40 - 60 - 90	1.5"	40
SERIES E40 - E41				
8	104.5	40	1.5"	40
10	129.4	40 - 60	1.5"	40
13	167.1	40 - 60	1.5"	40
13D[1]	167.1	40 ; 60	1.5" - 2.5"	40
16	205	40 - 60	1.5"	40
20	255.7	40 - 60 - 90	1.5"	40

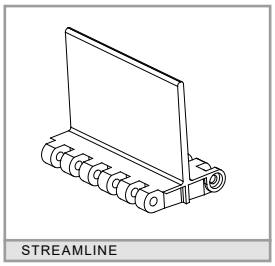
Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width
		mm	inch	
SERIES E50				
6	100	40	1.5"	40
8	130.6	40	1.5"	40
10	161.8	40 - 60	1.5" - 2.5"	60
16	256.2	40 - 60	1.5" - 2.5"	60
SERIES B50				
6	100.00	40	1.5"	40
8	130.65	40	1.5"	40
10	161.80	40 - 60	1.5" - 2.5"	40
12	193.18	40 - 60	1.5" - 2.5"	40
16	256.29	40 - 60 - 90	1.5" - 2.5" - 3.5"	40
SERIES E80				
8	130.6	40	1.5"	40
10	161.8	40 - 60	1.5"	40
12	193.2	40 - 60	1.5"	40
16	256.3	40 - 60 - 90	1.5"	40
SERIES E93				
11	106.5	40	1.5"	25
16	153.5	40 - 60	1.5"	25
20	191.5	40 - 60	1.5"	25

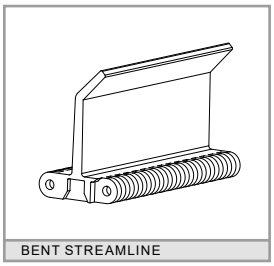
[1] Double-Toothed Sprocket.

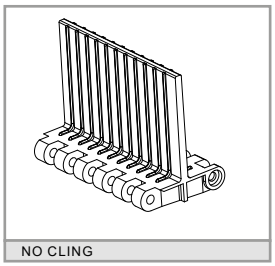
[Dimensions in mm]

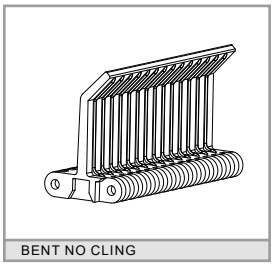
PRODUCT RANGE [FLIGHTS AND SIDE GUARDS]

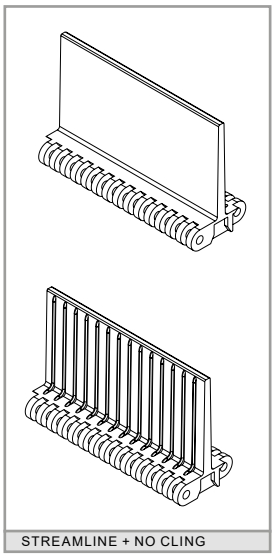
SERIES	HEIGHT (MM)												
	25	45	50	70	75	90	95	100	115	120	125	140	150
STREAMLINE FLIGHT													
E50	•		•		•								
NO CLING FLIGHT													
E30	•		•										
E50	•		•		•			•			•		•
STREAMLINE + NO CLING FLIGHT													
E20	•		•										
A24	•		•										
E30	•		•		•								
E40	•		•		•			•					
E50	•		•		•			•			•		•
B50	•		•		•			•					•
E80	•		•		•			•					•
E93	•		•										
RIBBED FLIGHT													
E50					•								
BENT STREAMLINE FLIGHT													
E50					•								
BENT NO CLING FLIGHT													
E50		•		•		•			•			•	
BENT STREAMLINE + NO CLING FLIGHT													
A24		•											
E30		•		•									
E40		•		•		•							
E50		•		•		•			•			•	
B50		•		•		•						•	
E80		•		•		•						•	
SCOOP FLIGHT													
E50							•			•			
B50										•			
E80													•
GROOVED FLIGHT													
E30			•										
SIDE GUARDS													
E20			•										
A24			•										
E30			•		•								
E40			•		•		•						
E50			•		•		•						
B50			•		•		•						
E80			•		•		•						

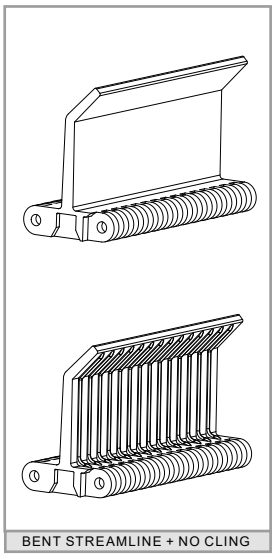

STREAMLINE

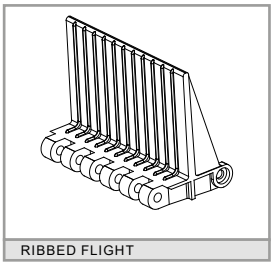

BENT STREAMLINE

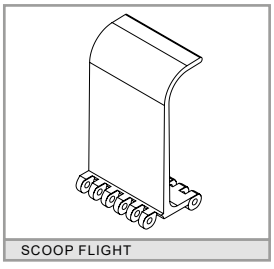

NO CLING

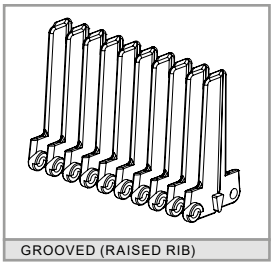

BENT NO CLING

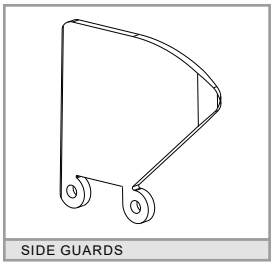

STREAMLINE + NO CLING


BENT STREAMLINE + NO CLING


RIBBED FLIGHT

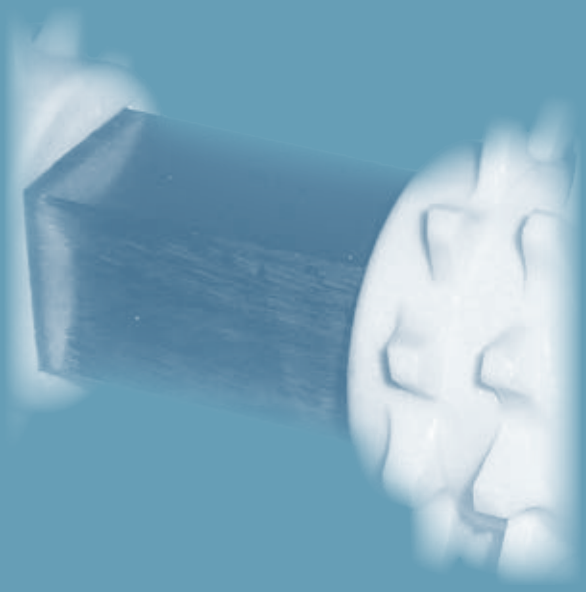

SCOOP FLIGHT

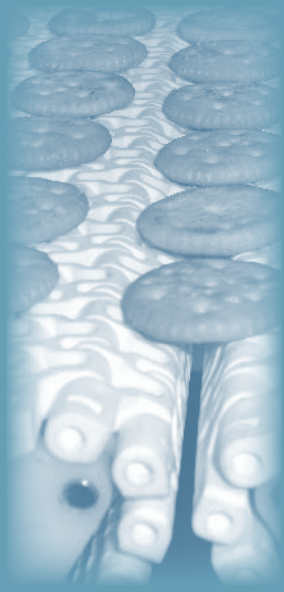

GROOVED (RAISED RIB)


SIDE GUARDS

[Dimensions in mm]

SERIES C12





FLAT TOP

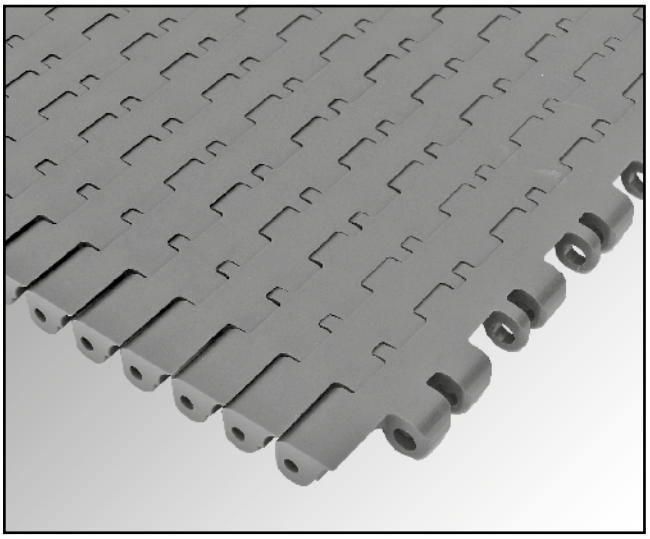
FLUSH GRID

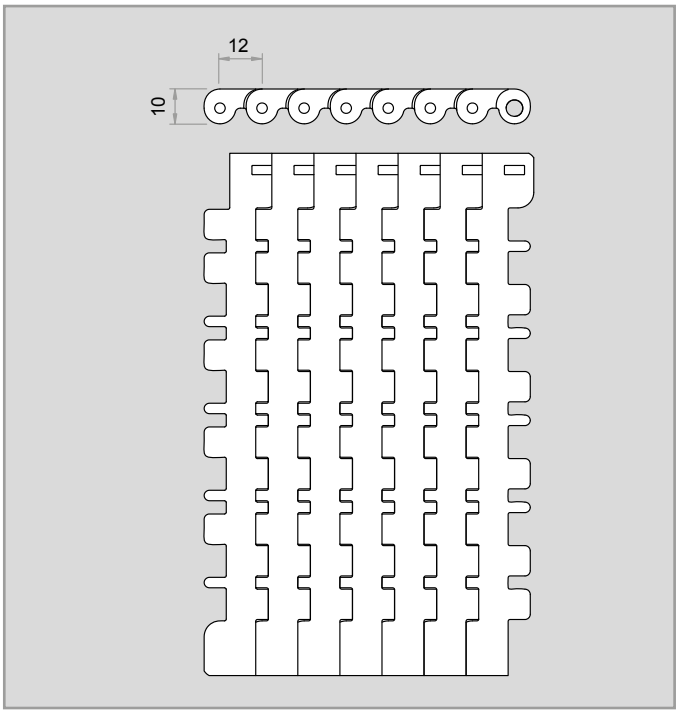
FLAT TOP

FLUSH GRID

SERIES C12

SERIES C12 FLAT TOP





Eurobelt C12 Series Flat Top reduces the polyhedron effect thanks to its 12 mm pitch and it can turn on shafts of 18 mm.

Its surface completely flat avoids the product fall. Driven by an appropriate sprocket it can reach very high conveying speeds.

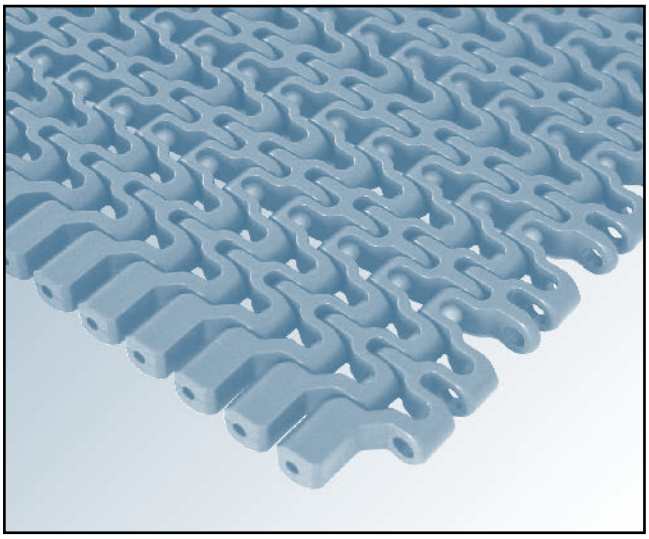
Pitch	12 mm
Surface	Flat Top
Open area	0 %
Thickness	10 mm
Drive system	Hinge
Belt width	Multiples of 25 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

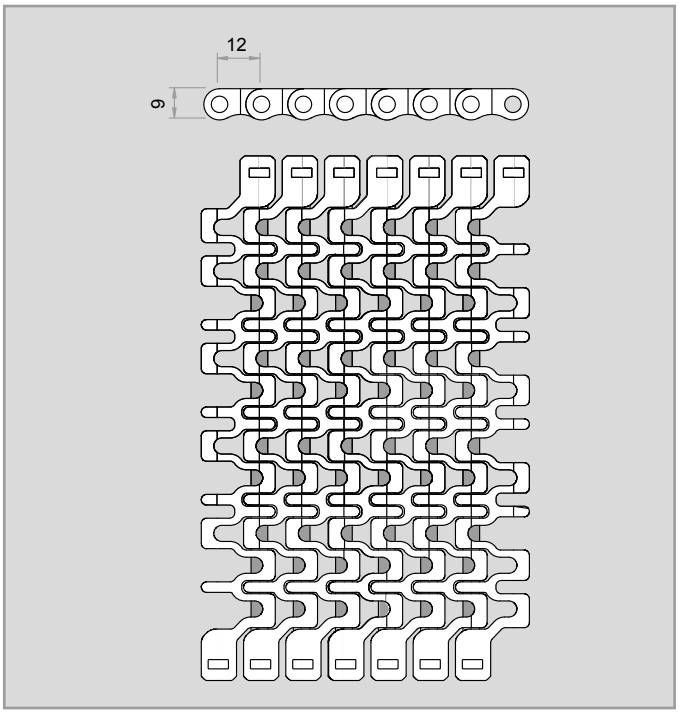
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	530	+1 to +104	6.07	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	300	-50 to +65	6.38	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,450	+1 to +90	8.61	[B]
	PE - Polyethylene	1,050	-40 to +65	8.65	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

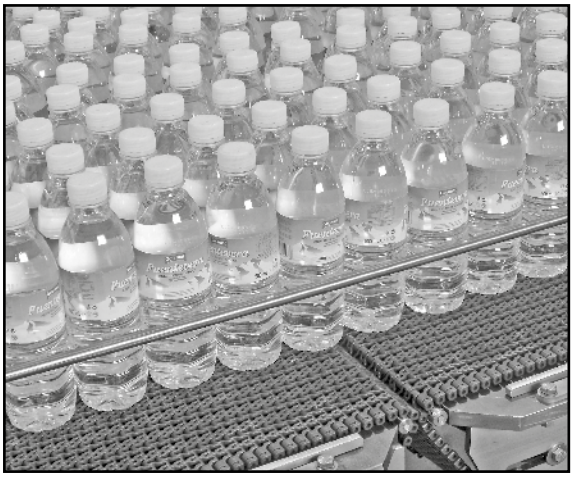
[Dimensions in mm]

SERIES C12 FLUSH GRID





Eurobelt Series C12 Flush Grid conveyor belt is ideal for product transfers at high speed in small rotation diameters. Its design with the rods in view, together with its extraordinary open surface, provides a great ease for cleaning.



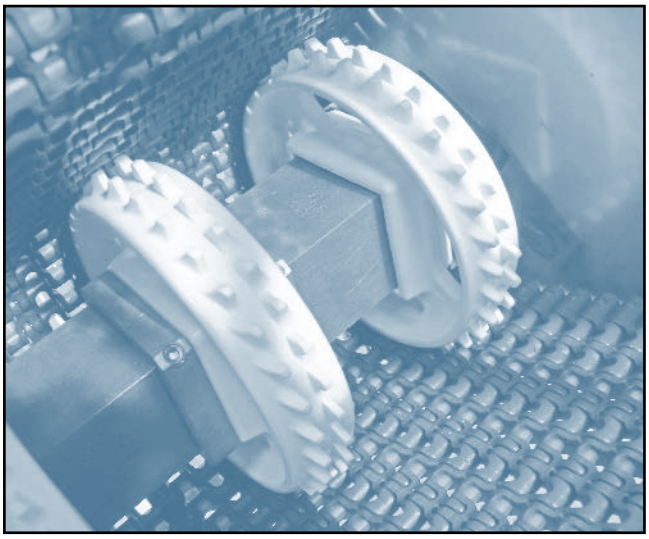
Pitch	12 mm
Surface	Flush Grid
Open area	26 %
Maximum opening (approx.)	[8.5 x 4.6] mm
Thickness	9 mm
Drive system	Hinge
Belt width	Multiples of 25 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

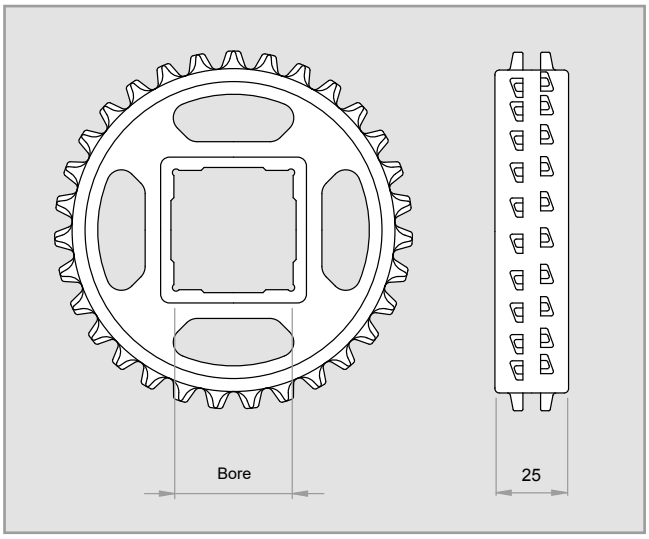
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	980	+1 to +104	4.60	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	550	-50 to +65	4.75	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,950	+1 to +90	6.50	[N] - [B]
	PE - Polyethylene	1,400	-40 to +65	6.54	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

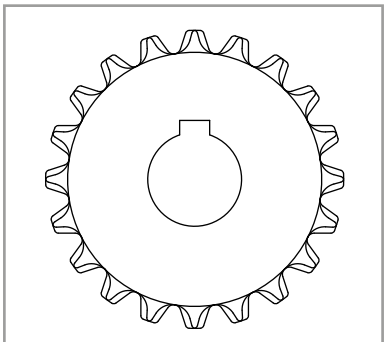
ACCESSORIES [SPROCKETS]



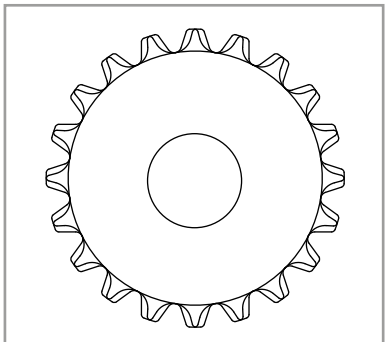


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Material
		mm	inch		
11	42.59	20	¾"	25	Polypropylene Polyacetal Stainless steel
20	76.7	40	1.5"	25	
26	99.55	40	1.5"	25	
31	118.61	40 60	1.5" 2.5"	25	
40	152.94	40 60	1.5" 2.5"	25	

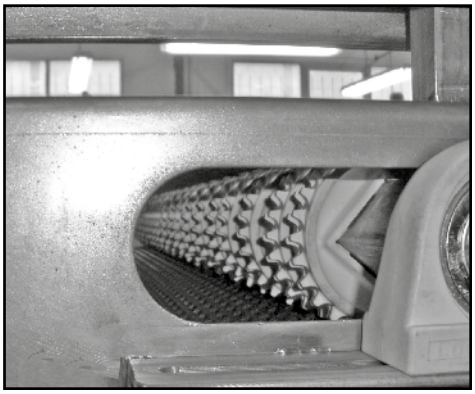
SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

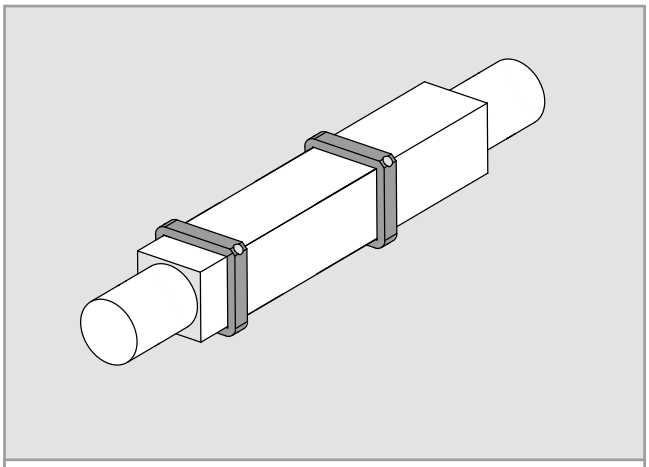
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

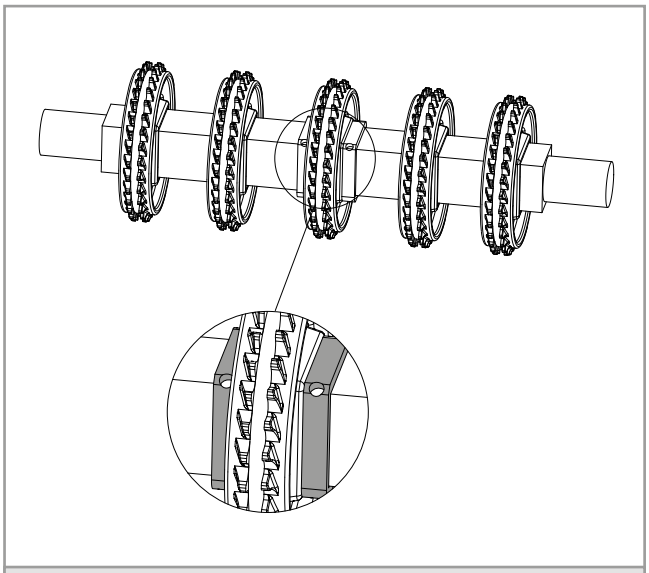
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6

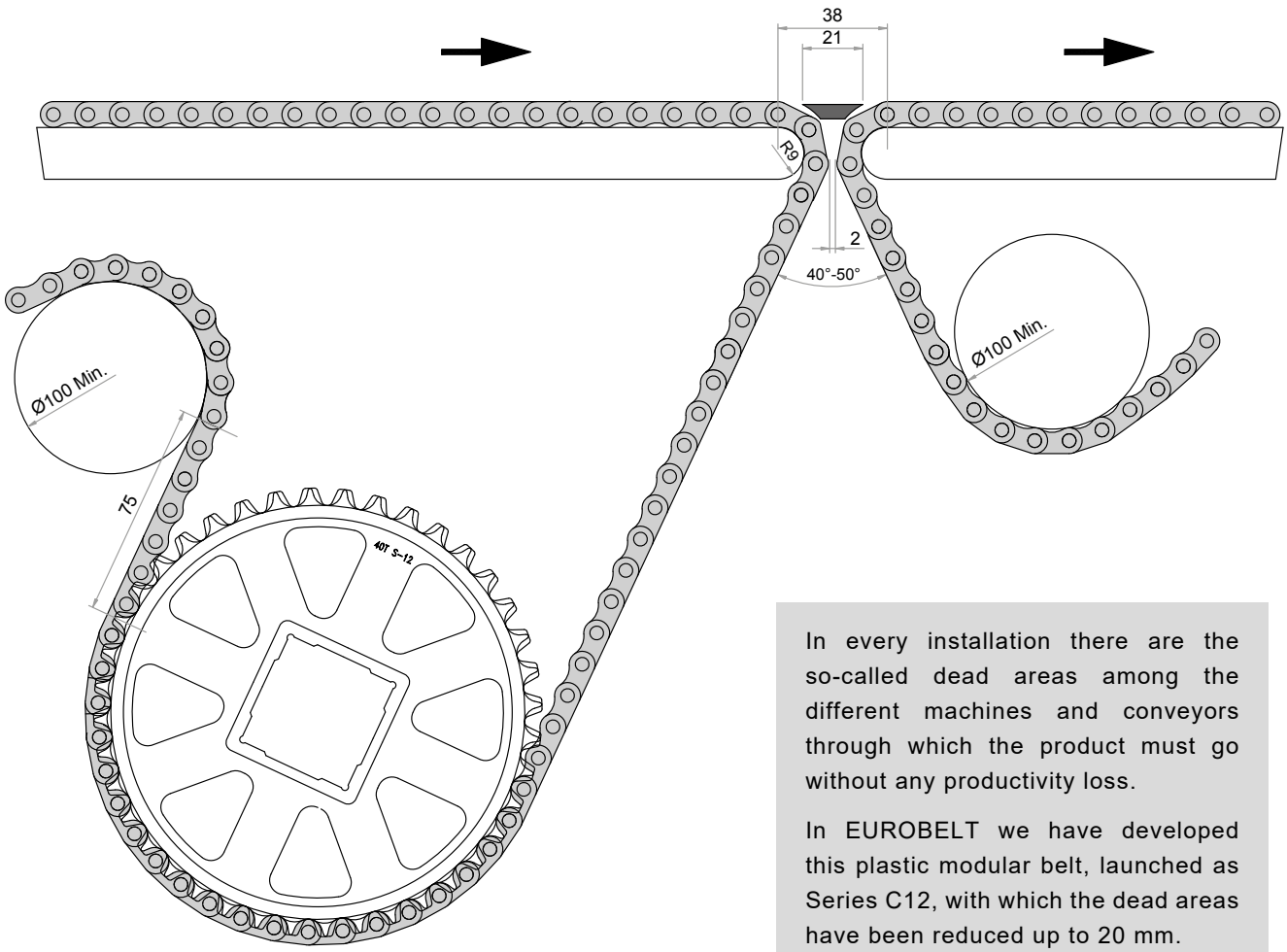


RETAINING RINGS



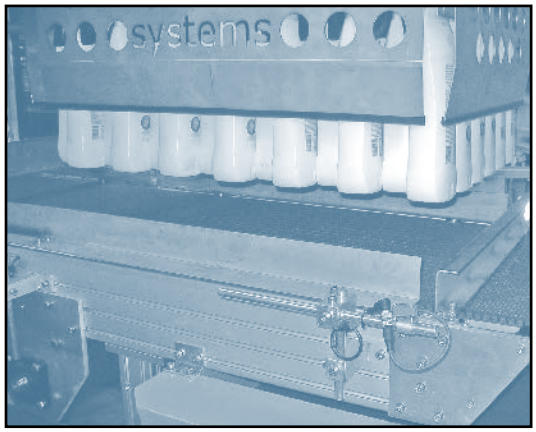
CENTRAL SPROCKET

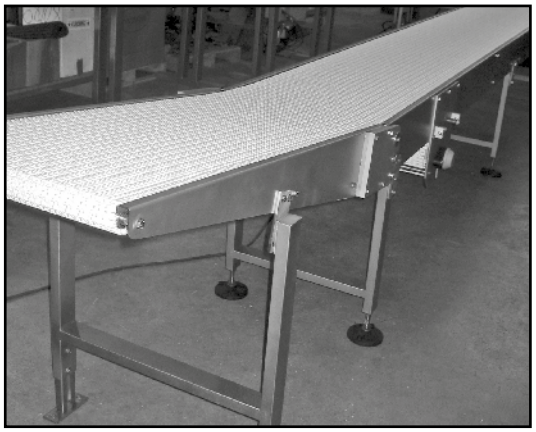
CONSTRUCTION DATA [TRANSFERENCES]



In every installation there are the so-called dead areas among the different machines and conveyors through which the product must go without any productivity loss.

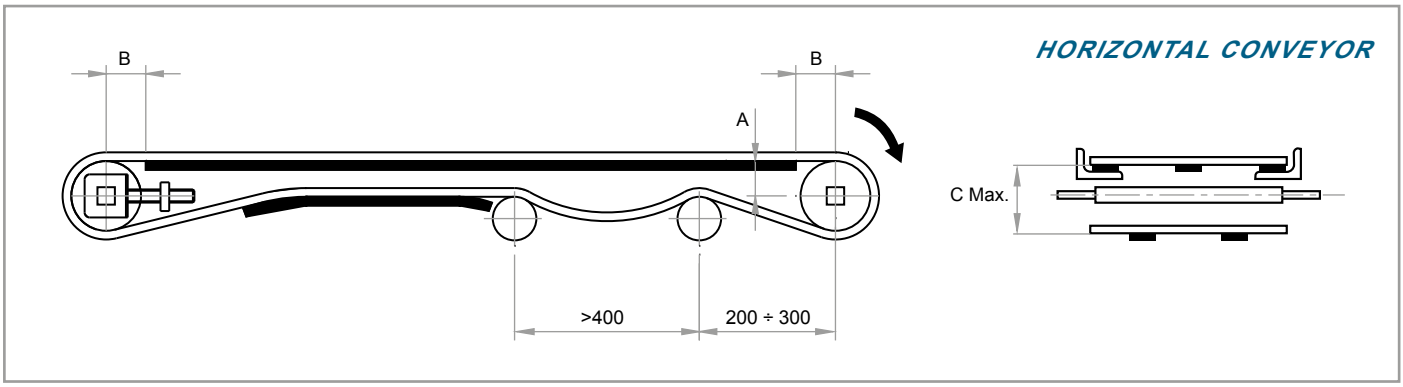
In EUROBELT we have developed this plastic modular belt, launched as Series C12, with which the dead areas have been reduced up to 20 mm.





[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
11	42.59	16	22	41
20	76.7	34	35	77
26	99.55	45	40	99
31	118.61	55	45	119
40	152.94	72	52	153

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
50	75	1	2	2
100	225	3	2	2
250	375	5	3	2
400	525	7	4	3
550	675	9	5	3
700	825	11	6	4
850	975	13	7	4
1,000	1,125	15	8	5
1,150	1,275	17	9	5
1,300	1,425	19	10	6
1,450	1,575	21	11	6
1,600	1,725	23	12	7
1,750	1,875	25	13	7
1,900	2,025	27	14	8
2,050	2,175	29	15	8

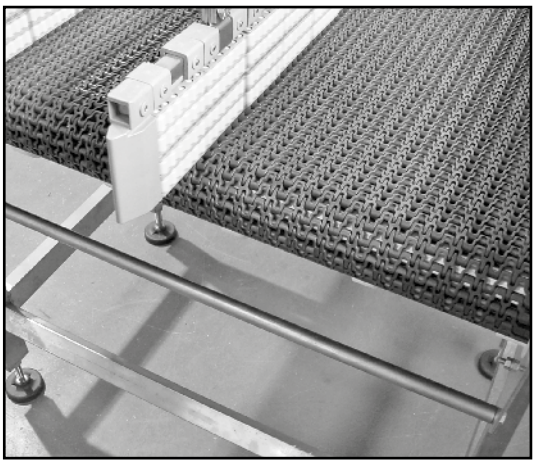
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{75\ \text{mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 150 mm in the transport way or 300 mm in the return way.

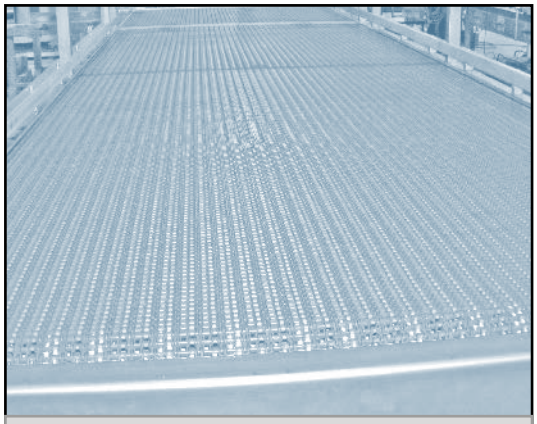


[Dimensions in mm]

APPLICATIONS

HIGH SPEED LINES

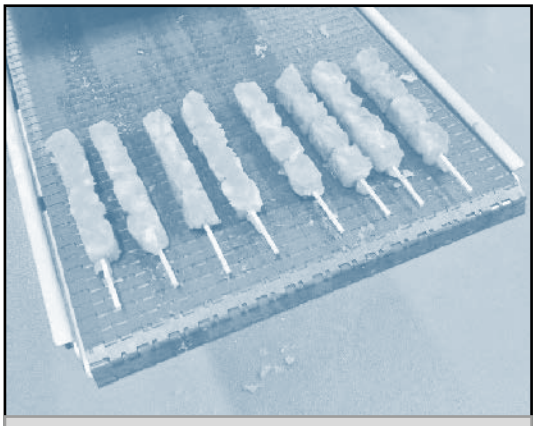
PALLETISERS AND DEPALLETISERS



ACCUMULATION TABLES

ACCUMULATION TABLES OF CONTAINERS

FREEZING TUNNELS



SKEWER THREADING MACHINE

SERIES E20

FLAT TOP

FLUSH GRID

RAISED RIB

SLIDING ROLLERS

TRIAN FRICTION

TRIAN

FLAT TOP

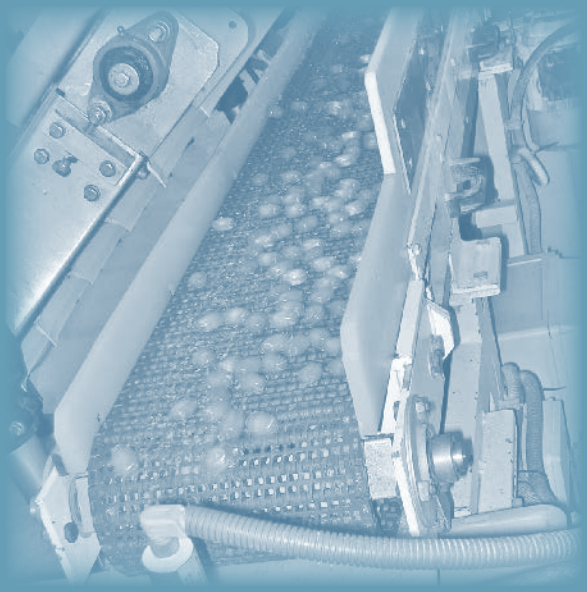
FLUSH GRID

RAISED RIB

SLIDING ROLLERS

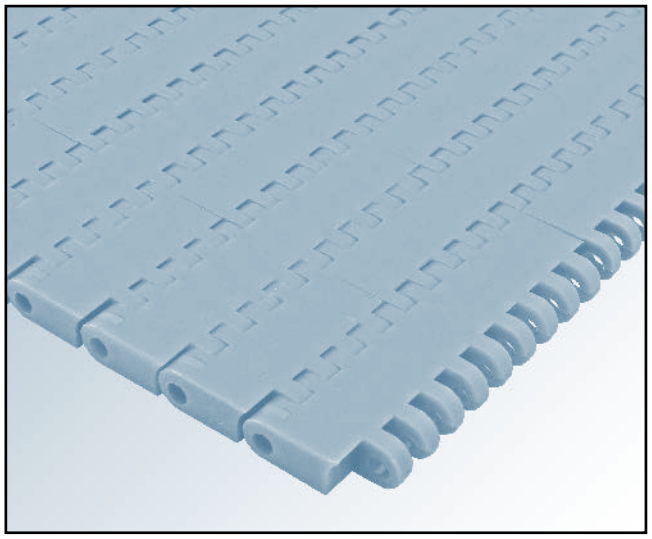
TRIAN FRICTION

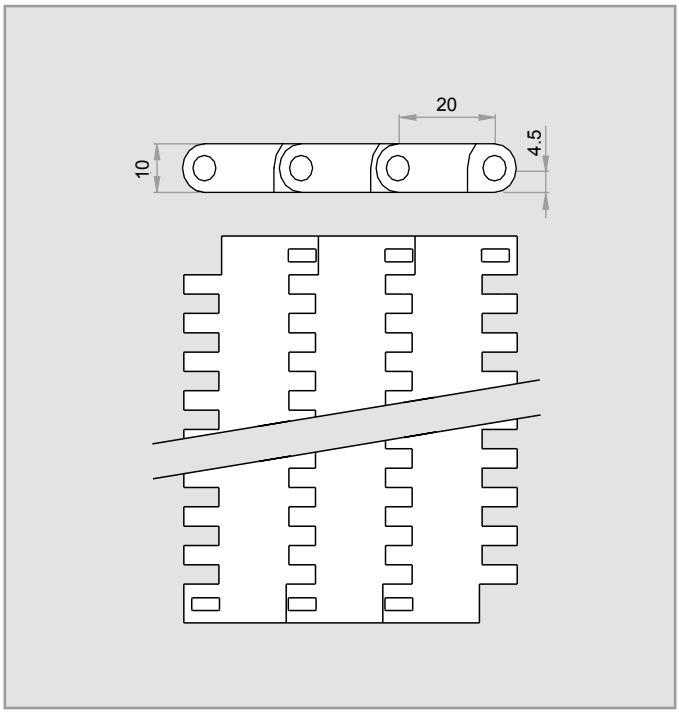
TRIAN



SERIES E20

SERIES E20 FLAT TOP





Eurobelt Series E20 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.

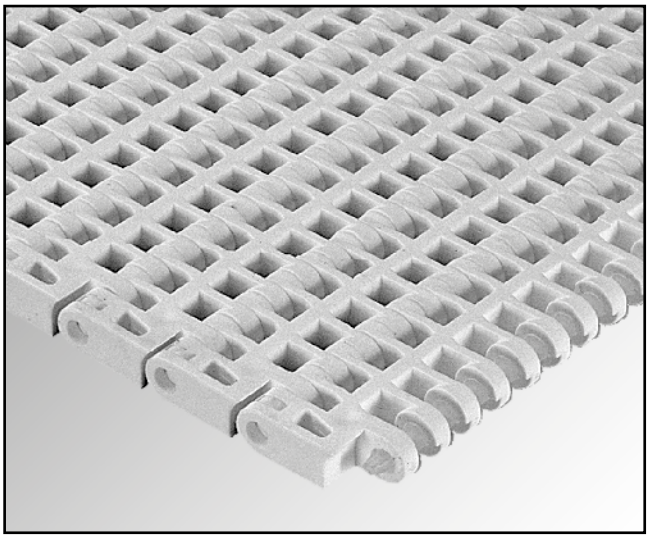
Pitch	20 mm
Surface	Flat Top
Open area	0 %
Thickness	10 mm
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

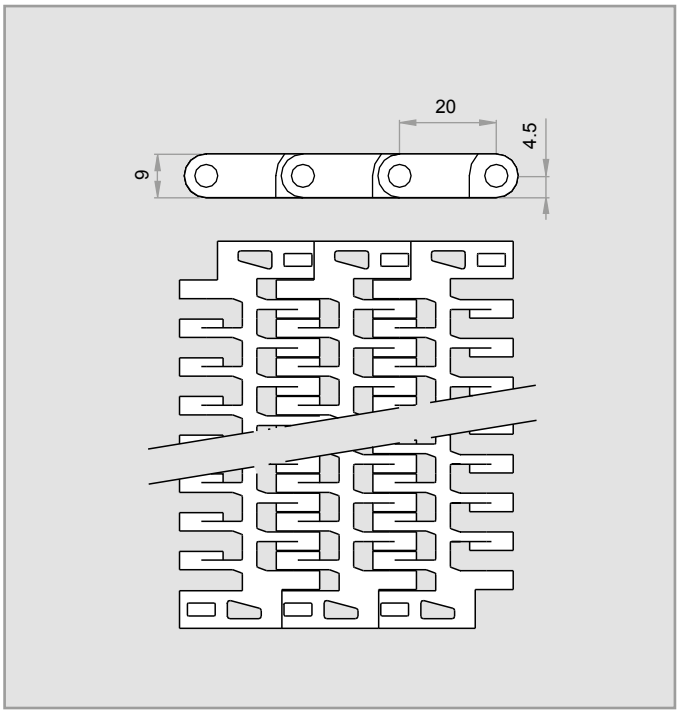
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	5.75	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	500	-50 to +65	5.85	[N] - [B]
AC - Polyacetal	PP - Polypropylene	2,150	+1 to +90	8.31	[B]
	PE - Polyethylene	1,800	-40 to +65	8.35	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

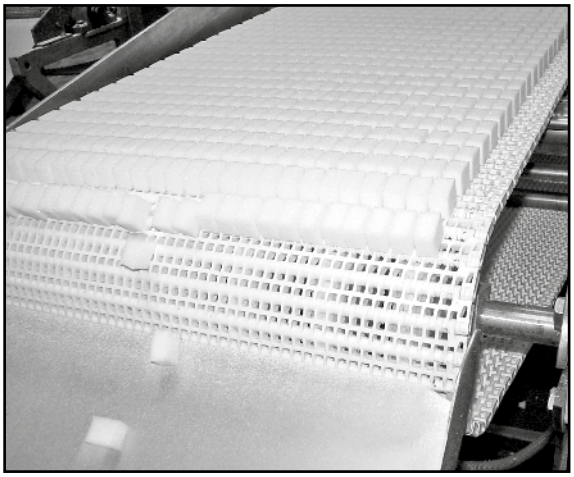
[Dimensions in mm]

SERIES E20 FLUSH GRID





Eurobelt Series E20 Flush Grid conveyor belt 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.



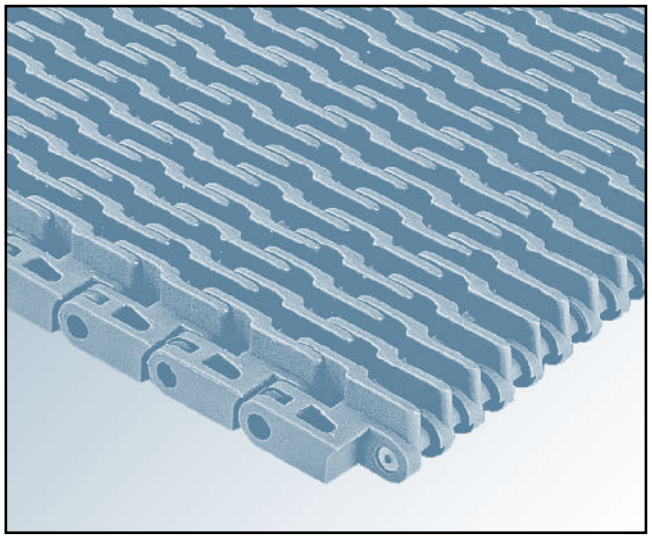
Pitch	20 mm
Surface	Flush Grid
Open area	32 %
Maximum opening (approx.)	[4 x 6] mm
Thickness	9 mm
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

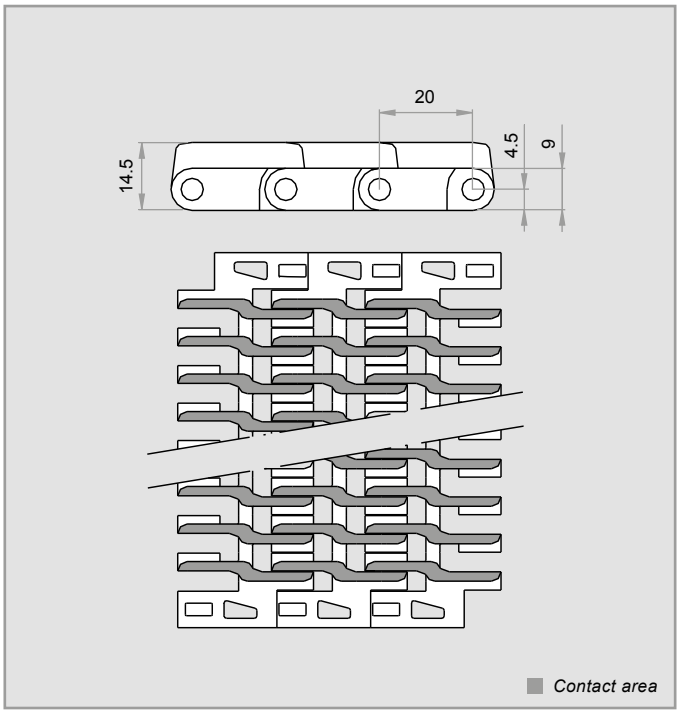
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	4.20	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	500	-50 to +65	4.57	[N] - [B]
AC - Polyacetal	PP - Polypropylene	2,150	+1 to +90	6.32	[B]
	PE - Polyethylene	1,800	-40 to +65	6.36	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

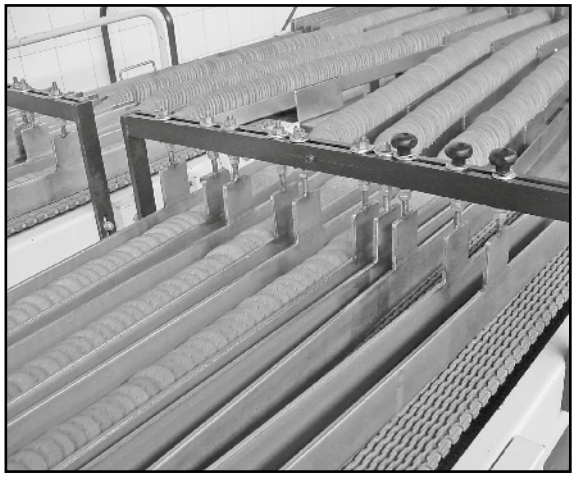
[Dimensions in mm]

SERIES E20 RAISED RIB





Eurobelt Series E20 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.



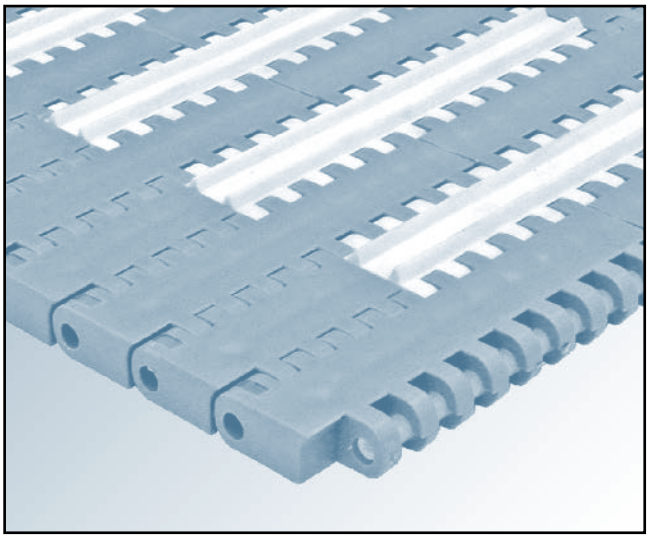
Pitch	20 mm
Surface	Raised Rib
Open area	32 %
Contact area	30 %
Maximum opening (approx.)	[4 x 6] mm
Thickness	15 mm
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	6.05	[G]
AC - Polyacetal	PP - Polypropylene	2,150	+1 to +90	9.25	[B]
	PE - Polyethylene	1,800	-40 to +65	9.29	[B]

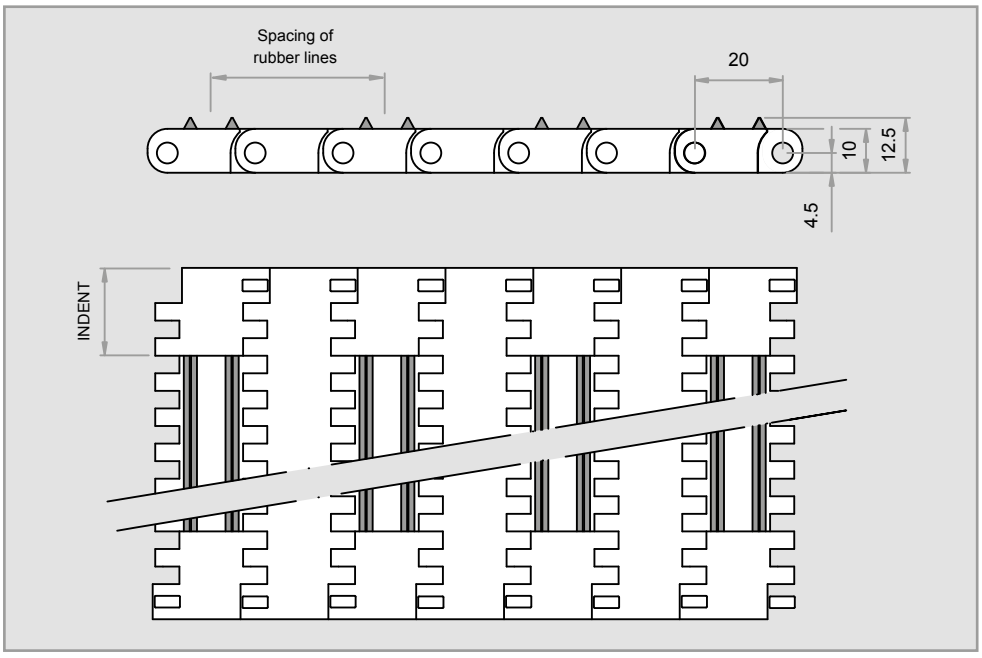
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

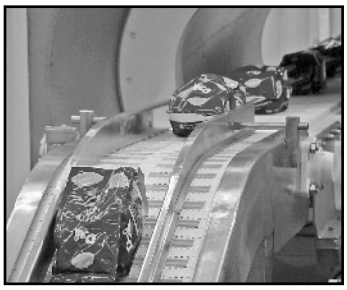
[Dimensions in mm]

SERIES E20 TRIAN FRICTION TOP



Pitch	20 mm
Surface	Trian Friction Top
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Rubber hardness grades	Shore A60
Indent	Multiples of 8 mm, minimum 24 mm
Spacing of rubber lines	Multiples of 40 mm



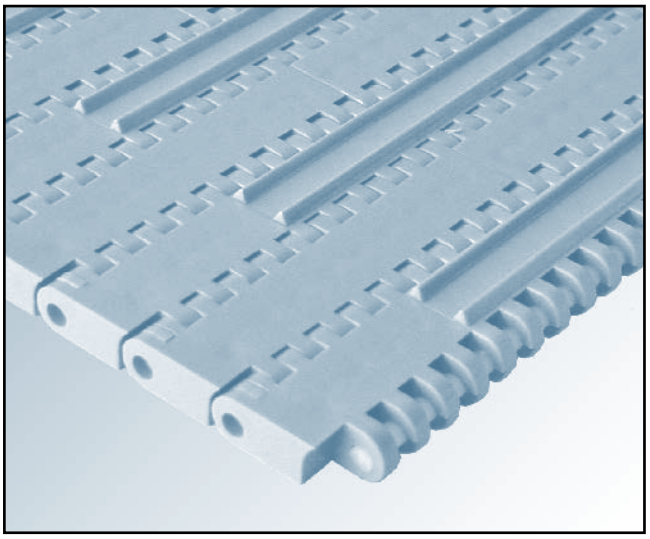


Surface of the belt	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Trian Friction + Flat Top	PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	[W] - [G]
	PE - Polyethylene	PE - Polyethylene	500	-50 to +65	[N]
Trian Friction + Flush Grid	AC - Polyacetal	PP - Polypropylene	2,150	+1 to +90	[B]
		PE - Polyethylene	1,800	-40 to +65	[B]

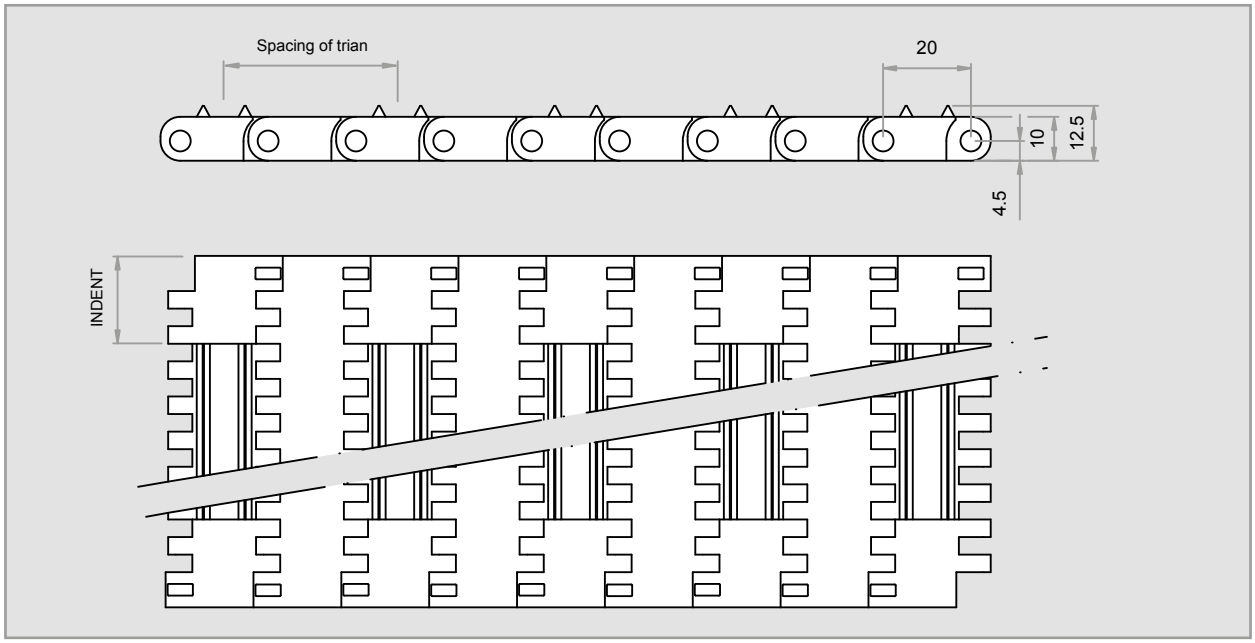
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E20 TRIAN



Pitch	20 mm
Surface	Trian
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Indent	Multiples of 8 mm, minimum 16 mm
Spacing of trian	Multiples of 20 mm

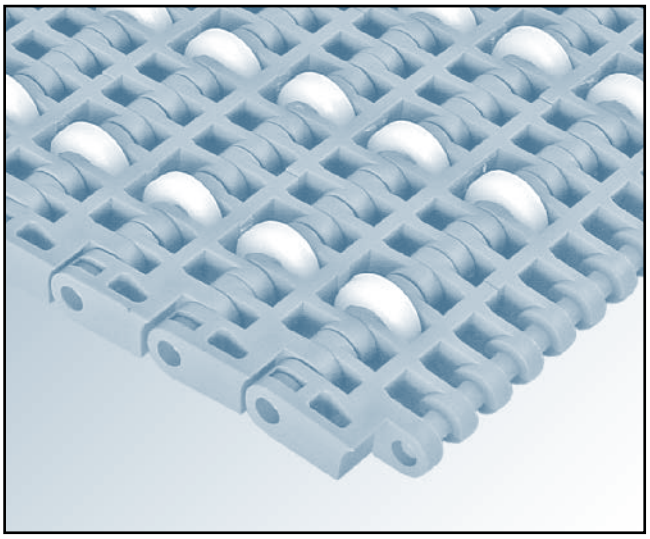


Surface of the belt	Belt standard material	Rod standard material	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Trian + Flat Top	PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	[W]
	PE - Polyethylene	PE - Polyethylene	500	-50 to +65	[N]
Trian + Flush Grid	AC - Polyacetal	PP - Polypropylene	2,150	+1 to +90	[B]
		PE - Polyethylene	1,800	-40 to +65	[B]

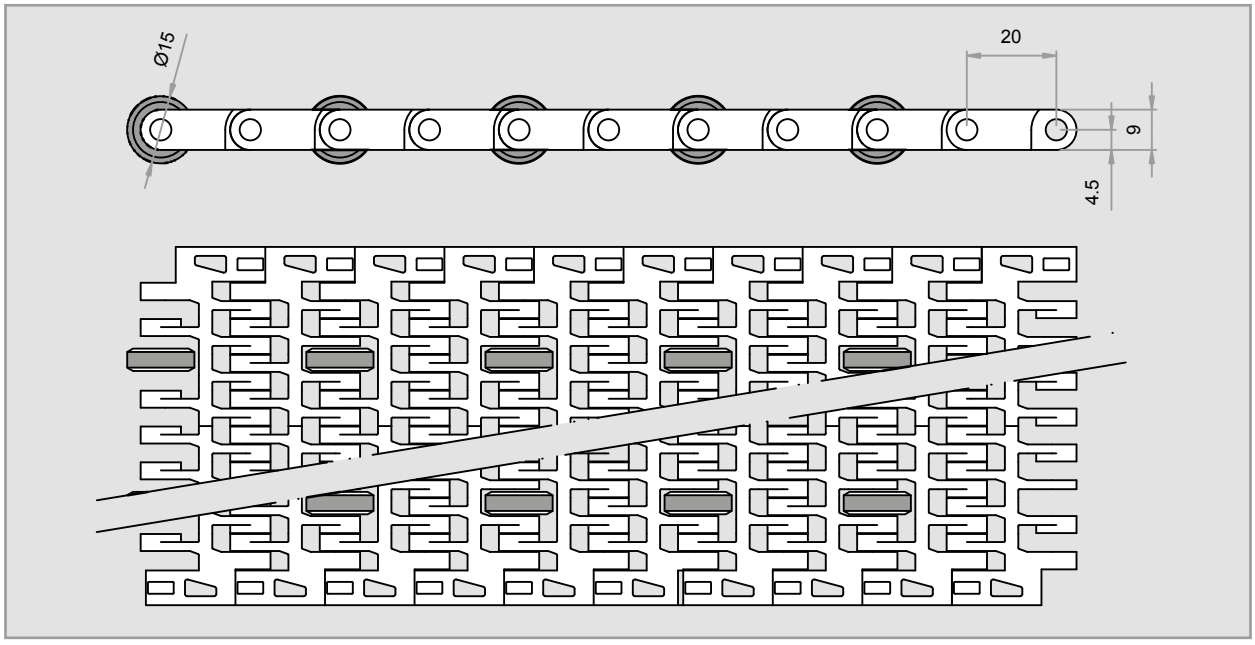
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E20 SLIDING ROLLERS



Pitch	20 mm
Surface	Sliding Rollers
Drive system	Central
Belt width	Multiples of 8 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Diameter of small roller	Ø 15 mm
Width of small roller	4.9 mm
Material of small roller	Polyacetal
Sliding Rollers pitch	Multiples of 20 mm



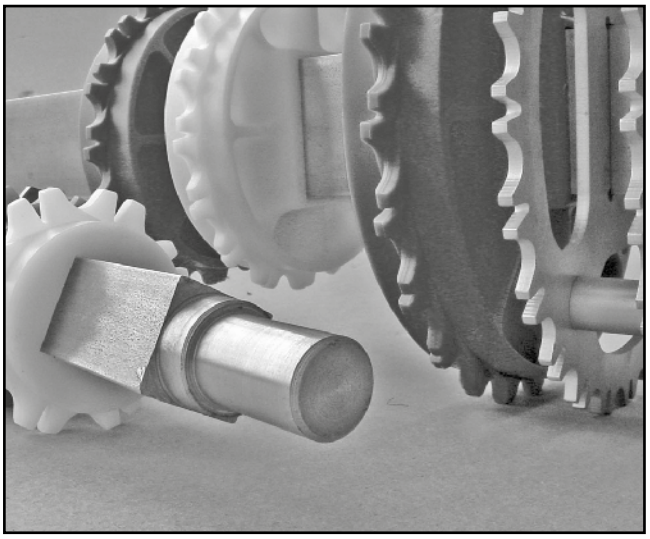
Surface of the belt	Belt standard material	Rod standard material	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Flush Grid	PP - Polypropylene	PP - Polypropylene	On Request	+1 to +104	[W] - [G]
	PE - Polyethylene	PE - Polyethylene		-50 to +65	[N]
	AC - Polyacetal	PP - Polypropylene		+1 to +90	[B]
		PE - Polyethylene		-40 to +65	[B]

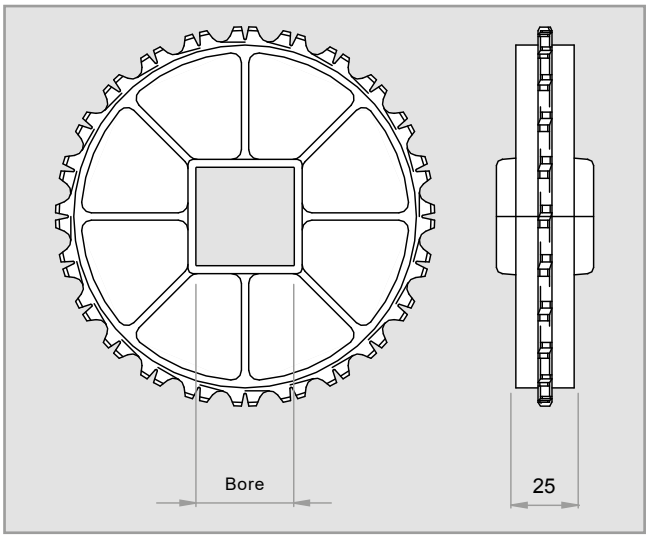
This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

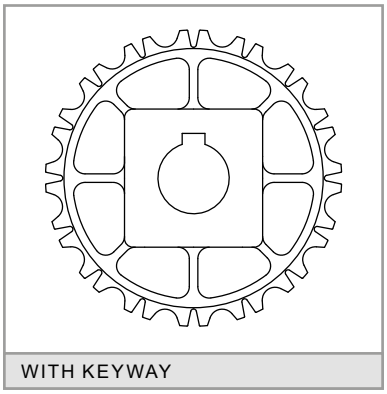
ACCESSORIES [SPROCKETS]



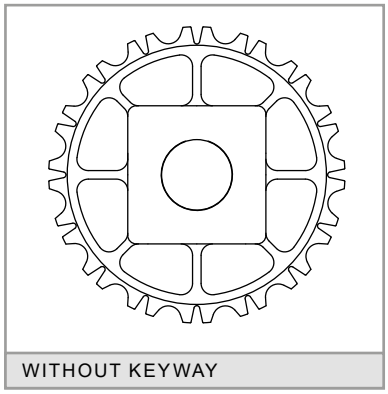


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
8	52.5	20	¾"	24	Polypropylene Polyacetal Stainless steel
16	102.5	40	1.5"	40	
24	153.5	40 60	1.5"	40	

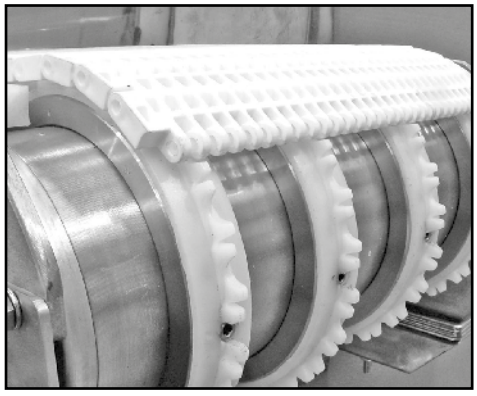
SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

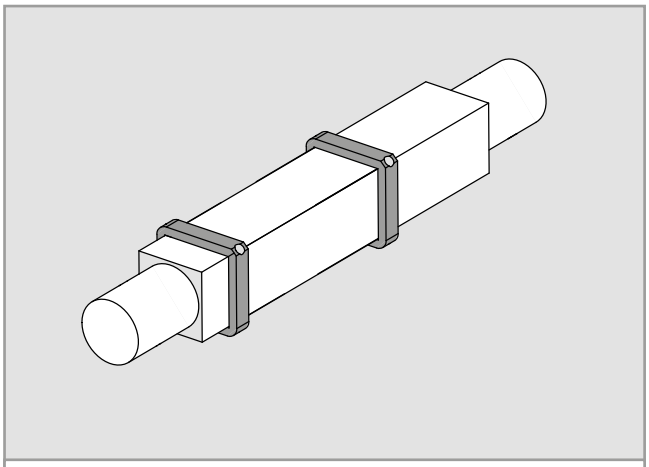
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

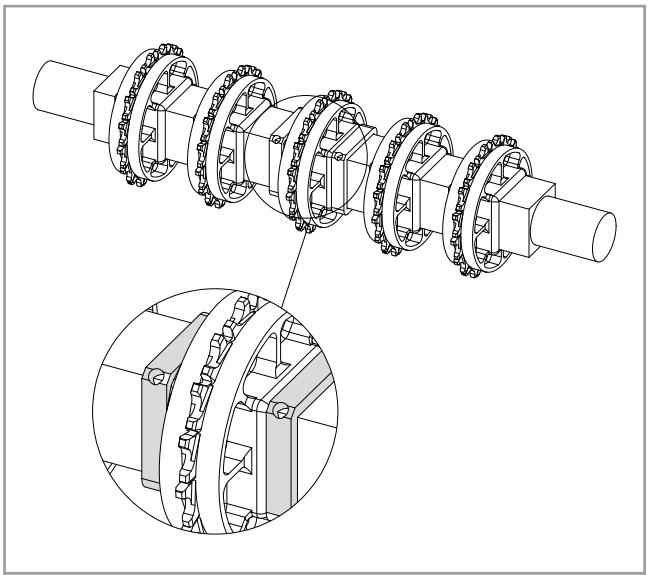
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6



RETAINING RINGS



CENTRAL SPROCKET

ACCESSORIES [FLIGHTS AND SIDE GUARDS]

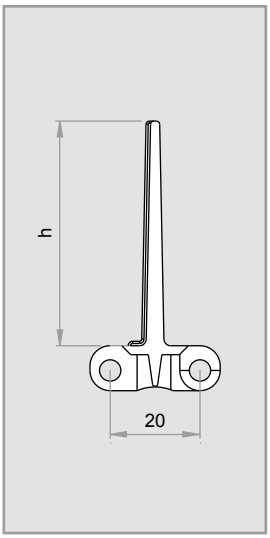
The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

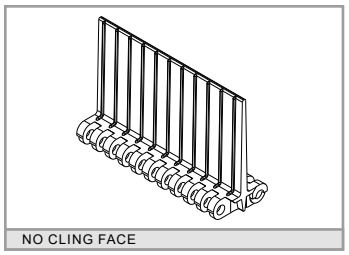
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

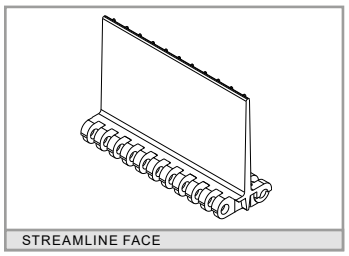
The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHTS [STREAMLINE + NO CLING]

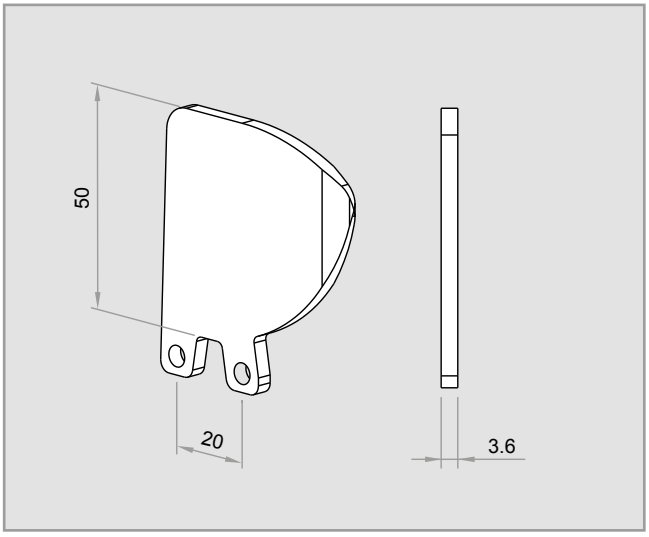






Accessories	Height (h)	Materials
Straight flight	25 50	Polypropylene Polyethylene Polyacetal

SIDE GUARDS

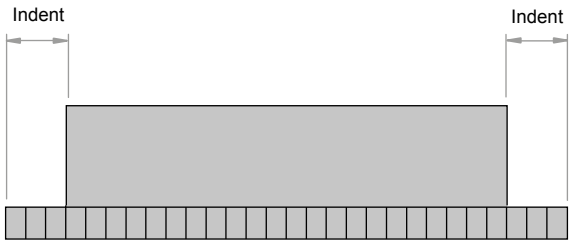


Accessories	Height (h)	Materials
Side guards	50	Polypropylene Polyethylene Polyacetal

[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

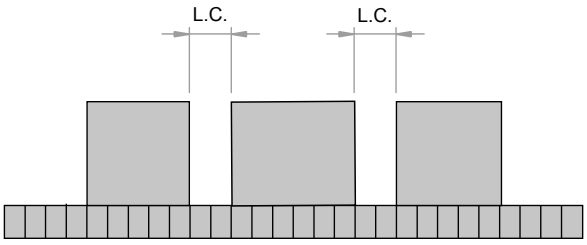
BELT ONLY WITH FLIGHTS



Indent = Multiples of 8 mm (24 mm the minimum)[1].

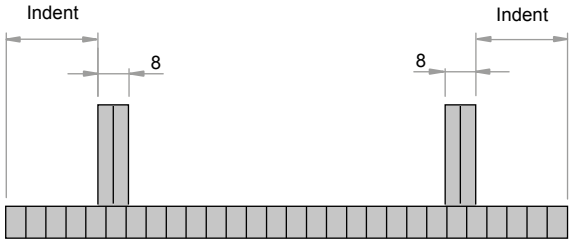
Distance between flights = Multiples of 40.

BELT WITH LONGITUDINAL CUTS



Flight longitudinal cut = increment of 8 mm (minimum 24 mm)

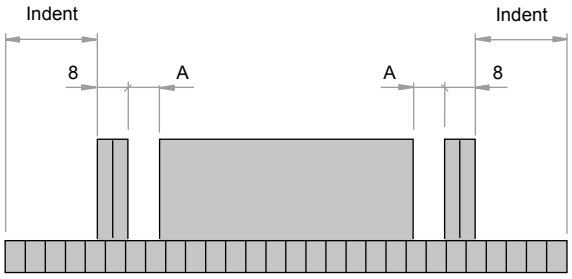
BELT ONLY WITH SIDE GUARDS



Indent = Multiples of 8 mm (16 mm the minimum).

Multiples of 8 + 4 mm (20 mm the minimum).

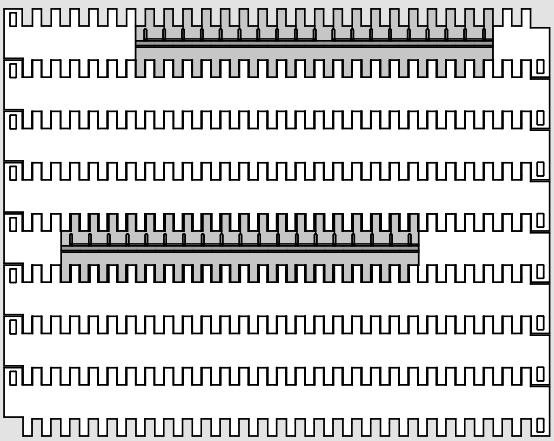
BELT WITH FLIGHTS AND SIDE GUARDS



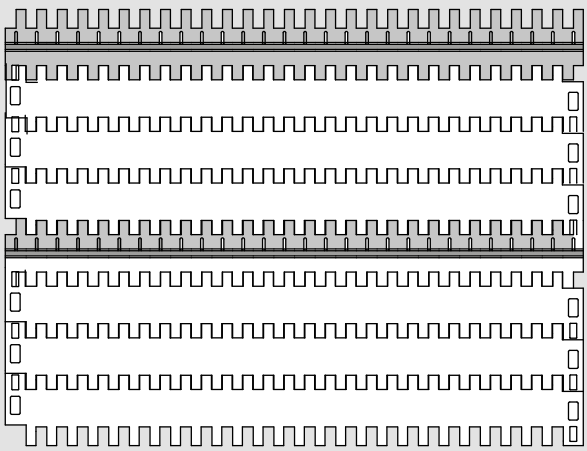
Indent = Multiples of 8 mm (16 mm the minimum). A= 8 mm

Multiples of 8 + 4 mm (20 mm the minimum). A= 4 mm

BELT WITH ZIGZAG FLIGHTS



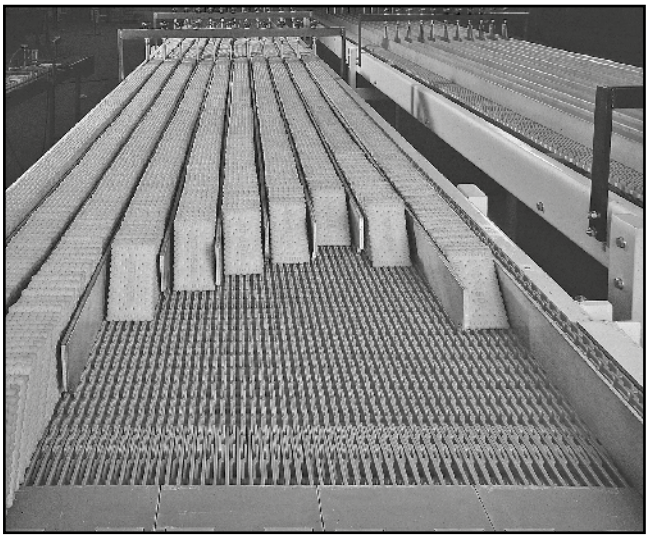
BELT WITH FLIGHTS, WITHOUT INDENT

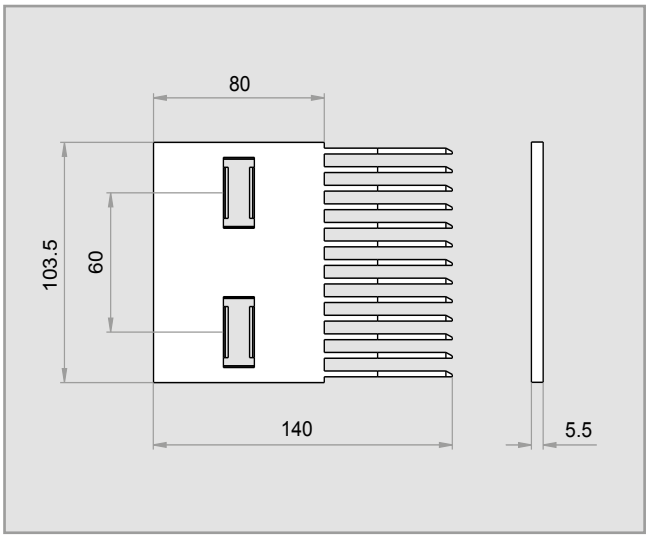


[1] Ask for the possibility of shaping your belt with a smaller indent than that recommended.

[Dimensions in mm]

ACCESSORIES [FINGER PLATES]





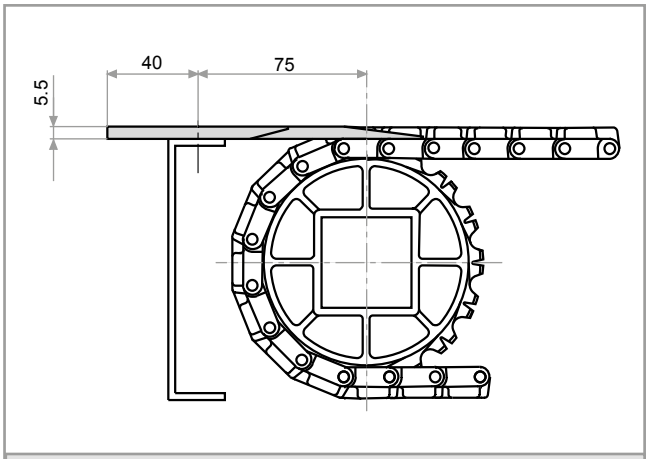
They have been designed to be used with the Raised Rib belt in applications of intersection of lines in which it is necessary to transfer the product by means of finger plates.

The finger plates are manufactured in nylon and acetal. They have 13 teeth that hide among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

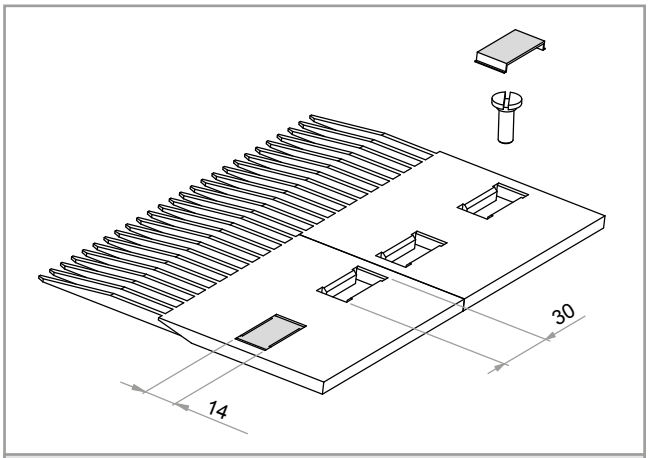
They have two fastening holes that enable little displacements to achieve a better coupling with the belt. Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

The finger plates can be easily installed in the structure of the conveyor putting a screw in each hole. The dimensions of these screws are: M 6 x 19 mm.

Materials / Colours	Nº of teeth	Nº of holes
Nylon / Black	13	2
Polyacetal / Grey		



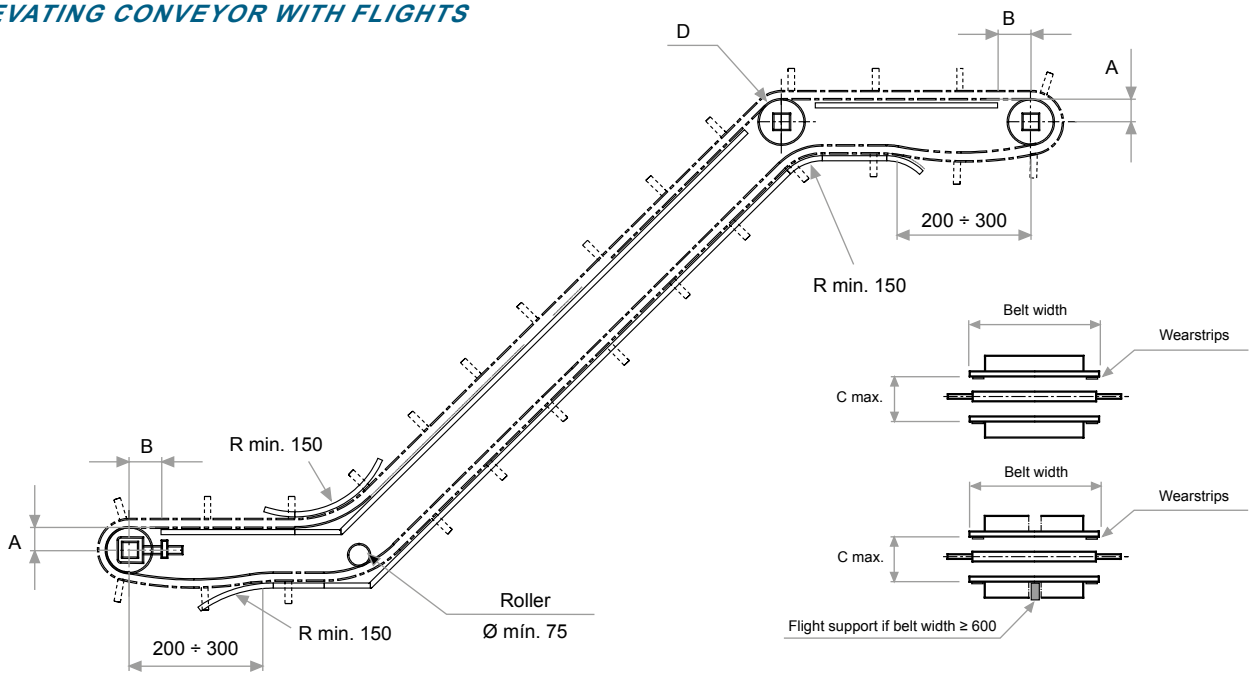
DESIGN DATA



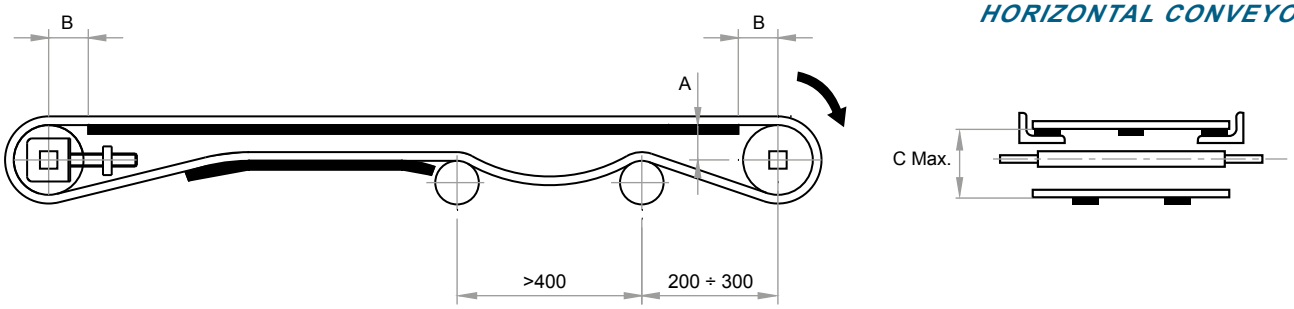
INSTALLATION

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
8	52.2	20	28	65
16	102.5	46	50	110
24	153.5	72	65	155

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
32	104	1	2	2
112	216	3	2	2
224	352	5	3	2
360	496	7	4	2
504	632	9	5	3
640	776	11	6	3
784	912	13	7	4
920	1,056	15	8	4
1,064	1,192	17	8	4
1,200	1,336	19	9	5
1,344	1,472	21	10	5
1,480	1,616	23	11	6
1,624	1,752	25	12	6
1,760	1,896	27	13	7
1,904	2,032	29	14	7
2,040	2,176	31	15	8
2,184	2,312	33	16	8
2,320	2,456	35	17	9
2,464	2,592	37	18	9

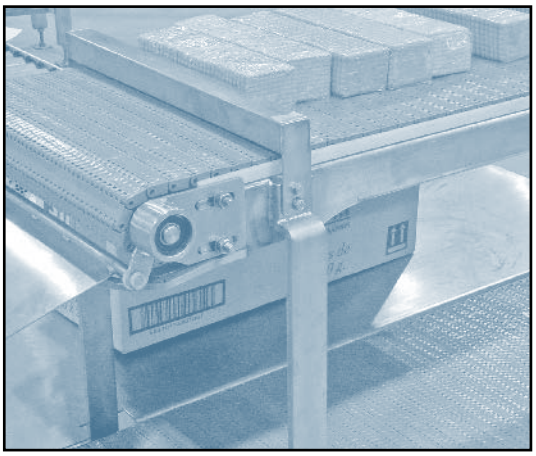
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{70 \text{ mm}}$$

This amount must always be odd.

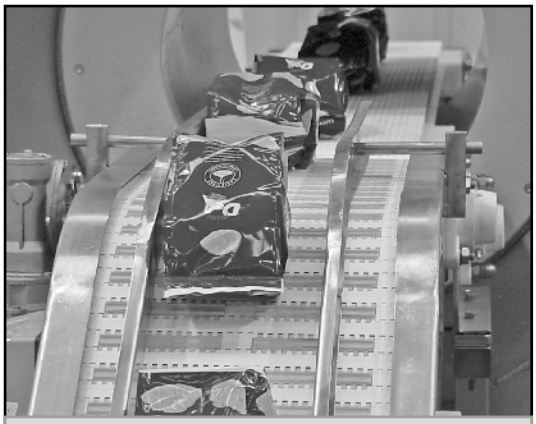
To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

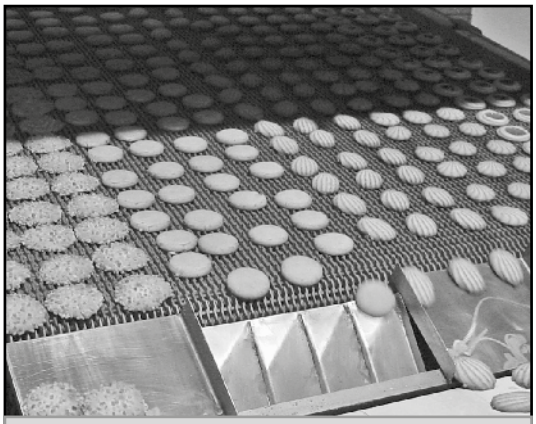
The distance between supports should not exceed 150 mm in the transport way or 300 mm in the return way.



[Dimensions in mm]

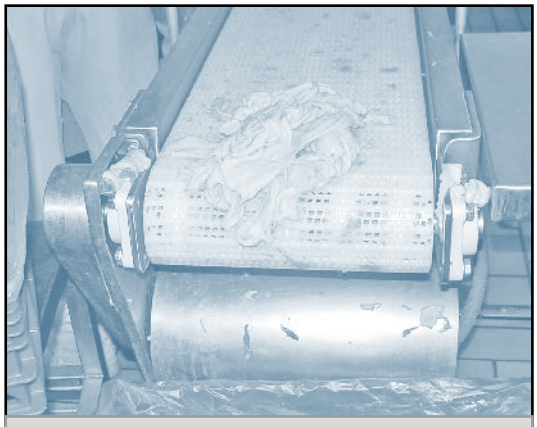
APPLICATIONS

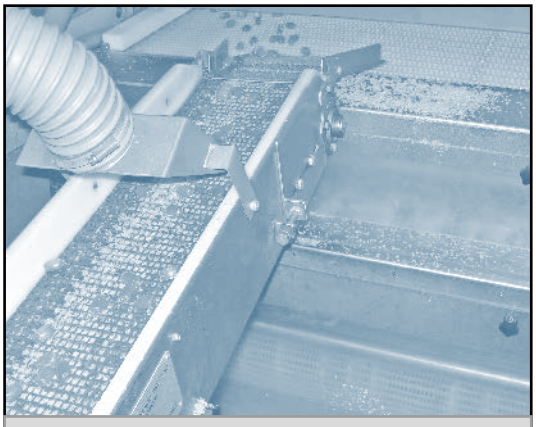

METAL DETECTORS


COOLING LINES


ACCUMULATION TABLES


PILE-UP MACHINES


PLASTIC FILM WRAPPING


DISTRIBUTORS

SERIES A24

FLAT TOP

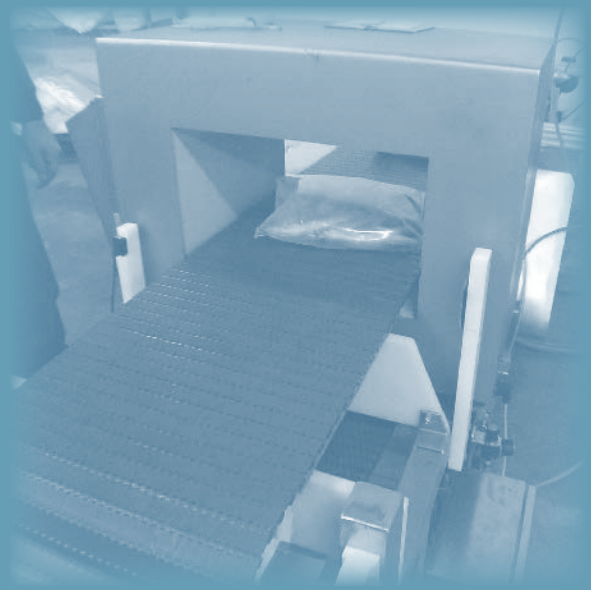
FLUSH GRID

RAISED RIB

FLAT TOP

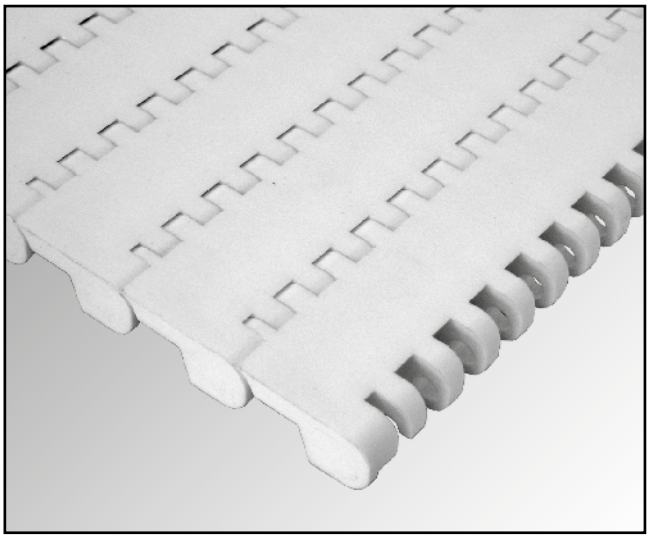
FLUSH GRID

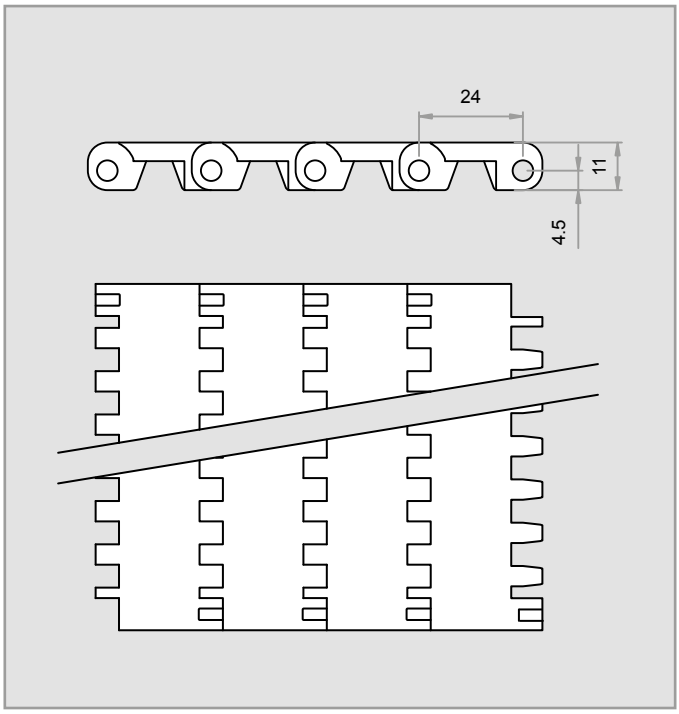
RAISED RIB



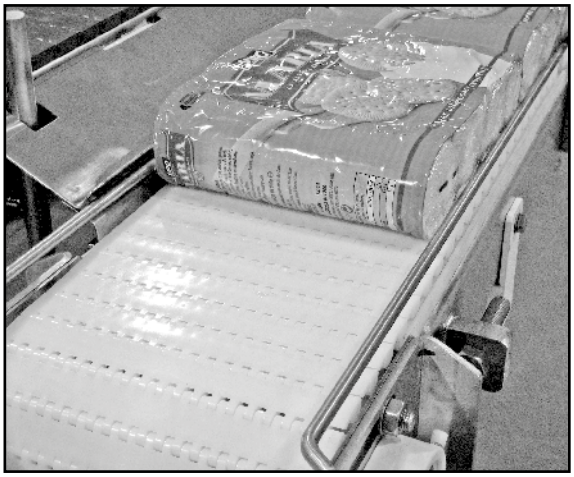
SERIES A24

SERIES A24 FLAT TOP





Eurobelt Series A24 Flat Top is a conveyor belt completely smooth which enables to channel water and debris to the edges in a quick and easy manner. Their completely open belt edges increase the cleaning efficiency and allow us to work in the best sanitary conditions.



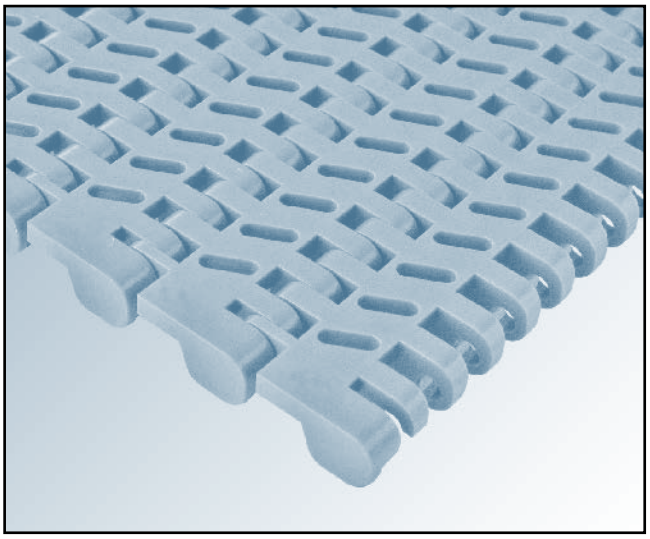
Pitch	24 mm
Surface	Flat Top
Open area	0 %
Thickness	11 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

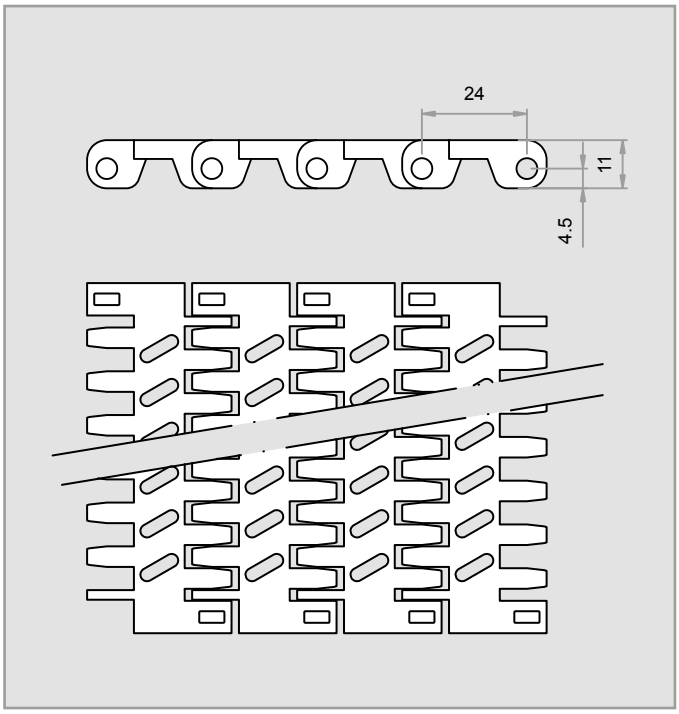
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,283	+1 to +104	5.80	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	350	-50 to +65	5.96	[N] - [B]
AC - Polyacetal	PP - Polypropylene	2,000	+1 to +90	8.37	[N] - [B]
	PE - Polyethylene	1,699	-40 to +65	8.41	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES A24 FLUSH GRID





Eurobelt Series A24 Flush Grid has oval perforations of 9.5 x 3 mm which endow it with a 30% open area. This conveyor belt is used in applications requiring drainage or airflow, like defrosting or drying.

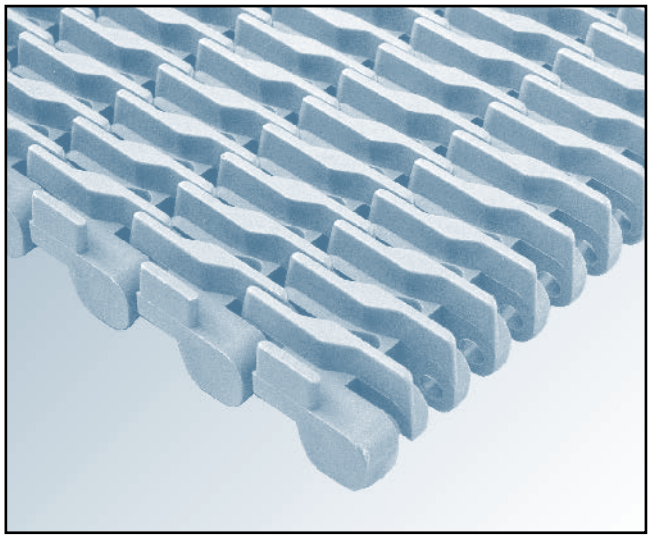
Pitch	24 mm
Surface	Flush Grid
Open area	30 %
Dimensions of openings	[9.5 x 3] mm
Thickness	11 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

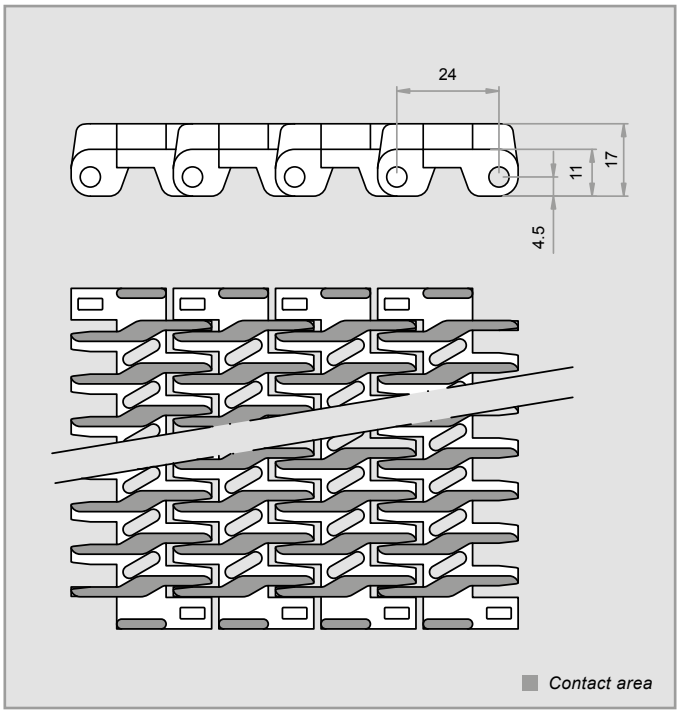
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	753	+1 to +104	4.90	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	260	-50 to +65	5.12	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,850	+1 to +90	7.10	[N] - [B]
	PE - Polyethylene	1,414	-40 to +65	7.14	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

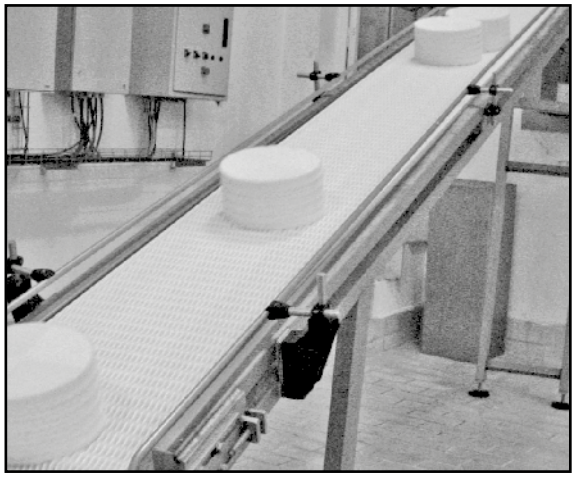
[Dimensions in mm]

SERIES A24 RAISED RIB





Eurobelt Series A24 Raised Rib conveyor belt 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.



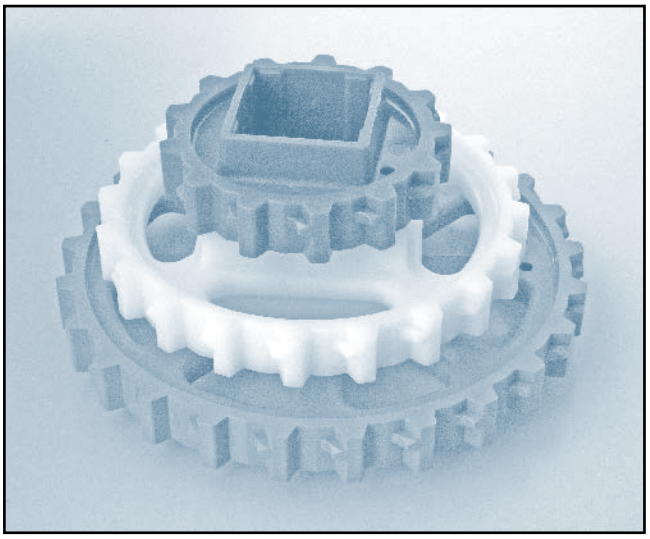
Pitch	24 mm
Surface	Raised Rib
Open area	30 %
Contact area	30 %
Maximum opening (approx.)	[9.5 x 3] mm
Thickness	17 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

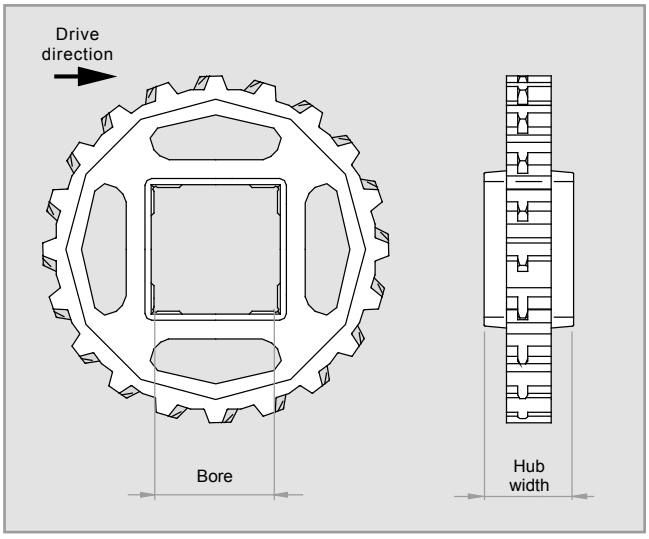
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	950	+1 to +104	6.45	[G]
AC - Polyacetal	PP - Polypropylene	1,850	+1 to +90	9.90	[B]
	PE - Polyethylene	1,700	-40 to +65	9.94	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

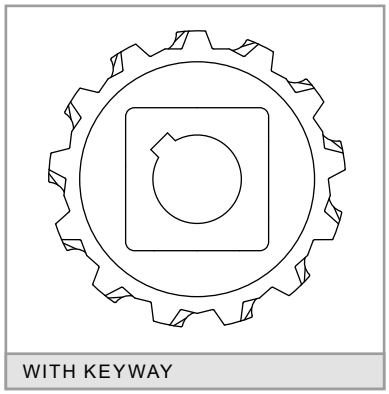
ACCESSORIES [SPROCKETS]



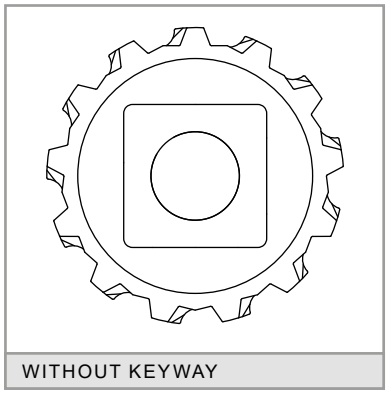


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
7	55.31	20	-	20	Polypropylene Polyacetal Stainless steel
13	100.25	40	1.5"	40	
20	153.41	40 60	1.5"	40	
25	191.48	40 60 90	1.5"	40	

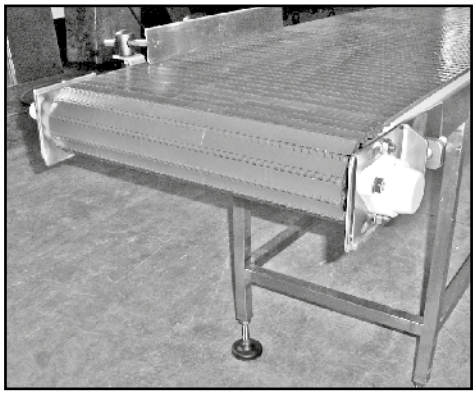
SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

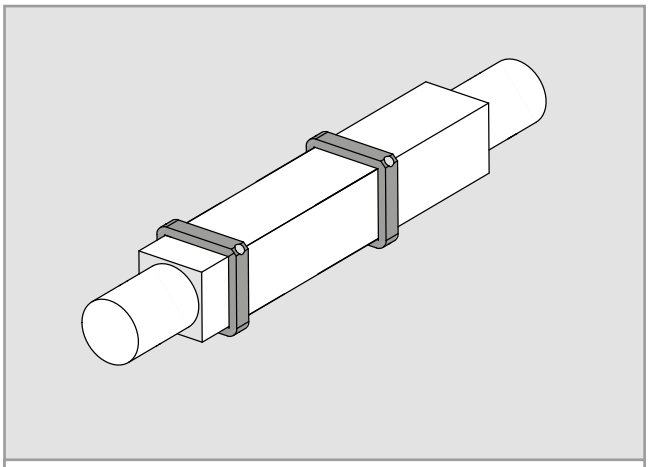
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

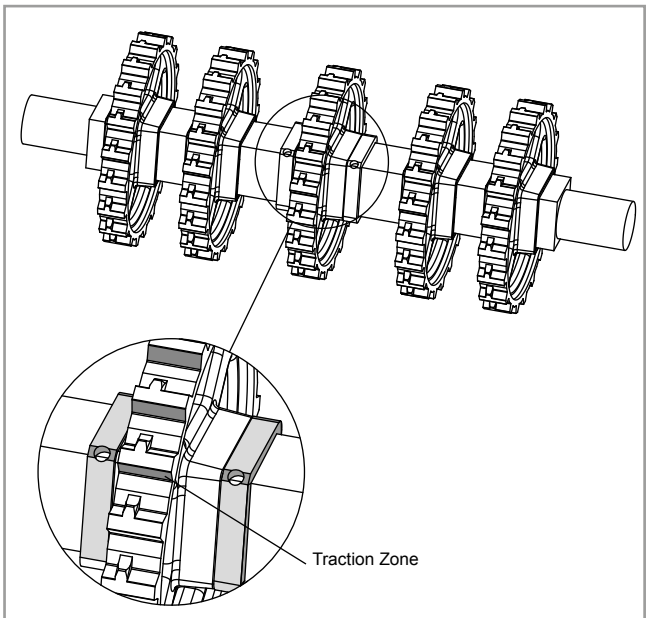
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6

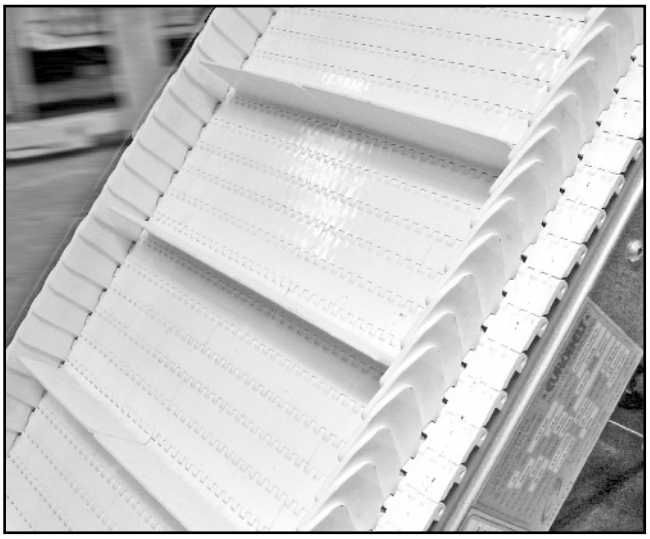


RETAINING RINGS



CENTRAL SPROCKET

ACCESSORIES [FLIGHTS AND SIDE GUARDS]



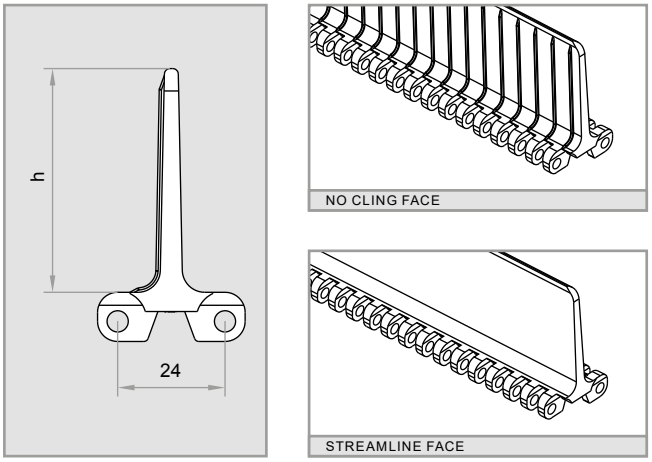
The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

Its non-stick side has ribs that project over the surface to prevent the product from sticking.

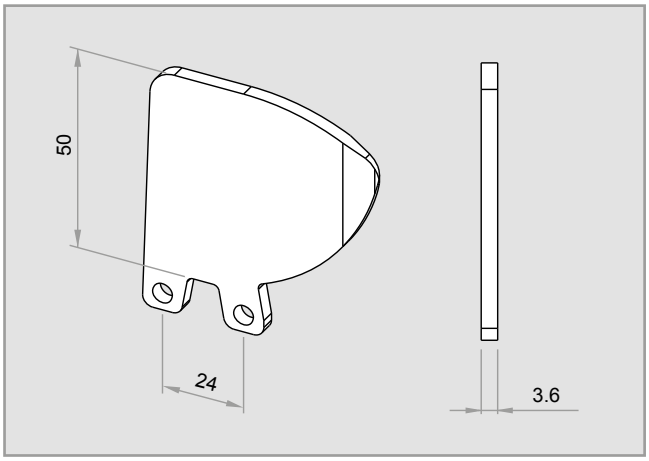
Their edges are completely rounded to avoid any damage of the product.

The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

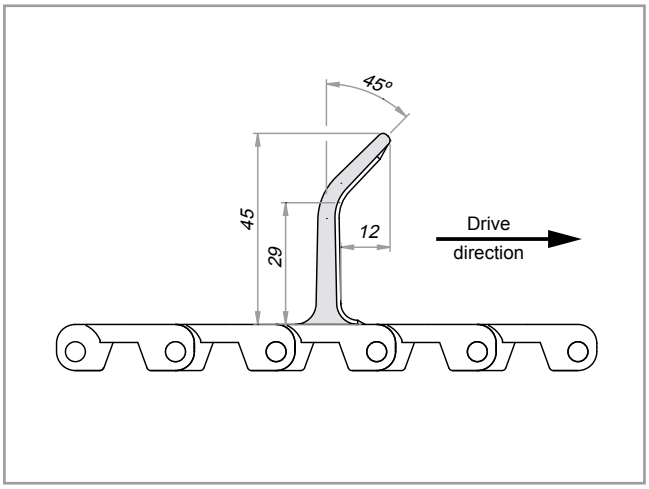
STRAIGHT FLIGHT [STREAMLINE + NO CLING]



SIDE GUARDS



BENT FLIGHT



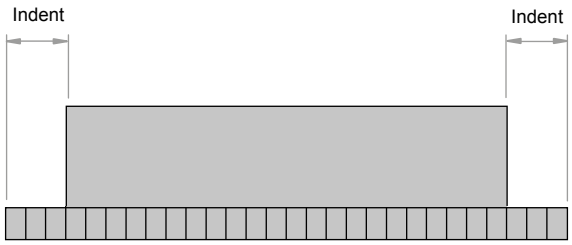
Accessories	Height (h)	Materials
Straight flight	25 50	Polypropylene Polyethylene Polyacetal
Bent Flight [Streamline + No Cling]	45	Polypropylene Polyethylene Polyacetal
Side guards	50	Polypropylene Polyethylene Polyacetal

It is possible to cut down the standard height for special applications.

[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

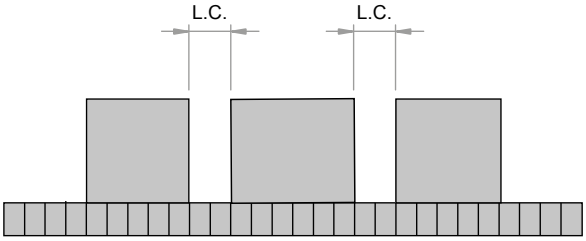
BELT ONLY WITH FLIGHTS



Indent = Multiples of 10 mm (30 mm the minimum)[1].

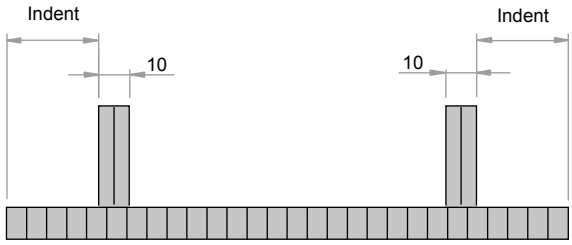
Distance between flights = Multiples of 48.

BELT WITH LONGITUDINAL CUTS



Flight longitudinal cut = increment of 10 mm (minimum 30 mm).

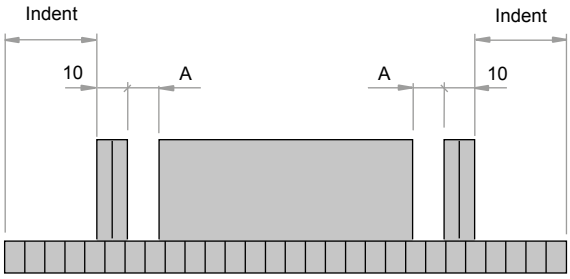
BELT ONLY WITH SIDE GUARDS



Indent = Multiples of 10 mm (20 mm the minimum).

Multiples of 10 + 5 mm (25 mm the minimum).

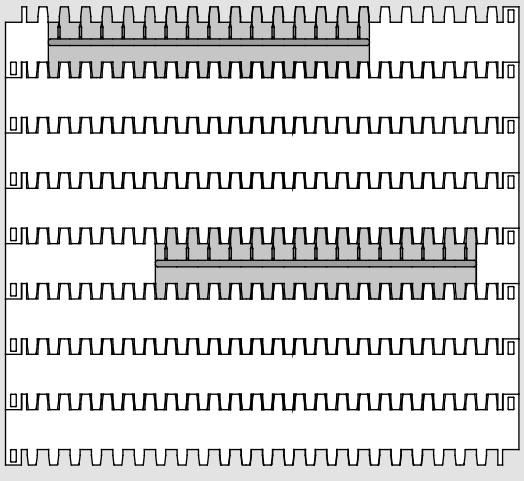
BELT WITH FLIGHTS AND SIDE GUARDS



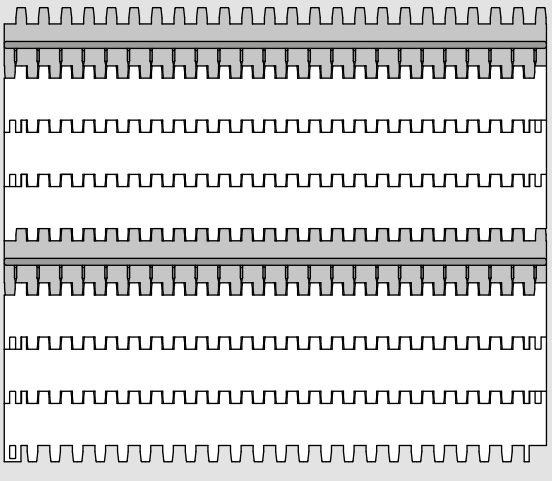
Indent = Multiples of 10 mm (20 mm the minimum). A= 10 mm

Multiples of 10 + 5 mm (25 mm the minimum). A= 5 mm

BELT WITH ZIGZAG FLIGHTS



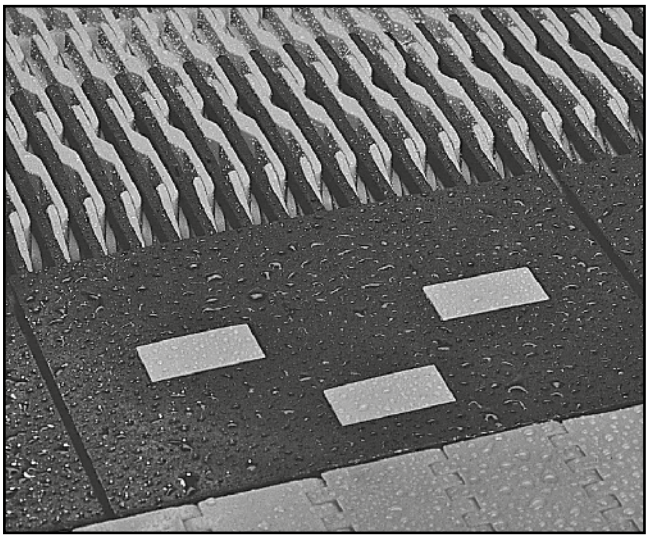
BELT WITH FLIGHTS, WITHOUT INDENT

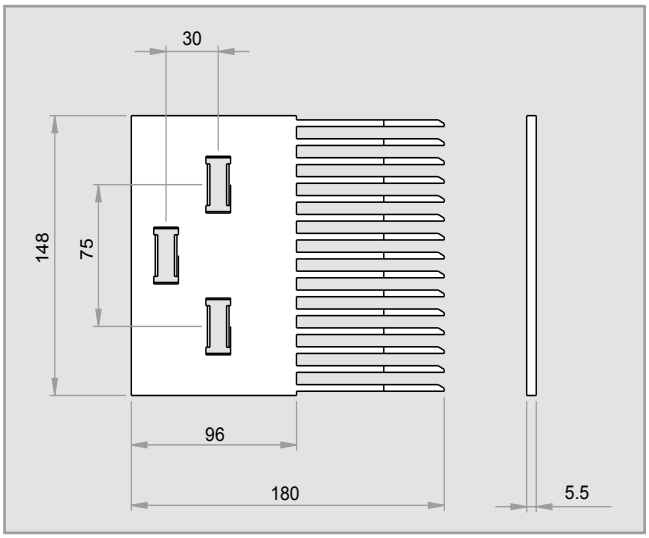


[1] Ask for the possibility of shaping your belt with a smaller indent than that recommended.

[Dimensions in mm]

ACCESSORIES [FINGER PLATES]





They have been designed to be used with the Raised Rib belts in applications in which it is necessary to transfer the product by means finger plates.

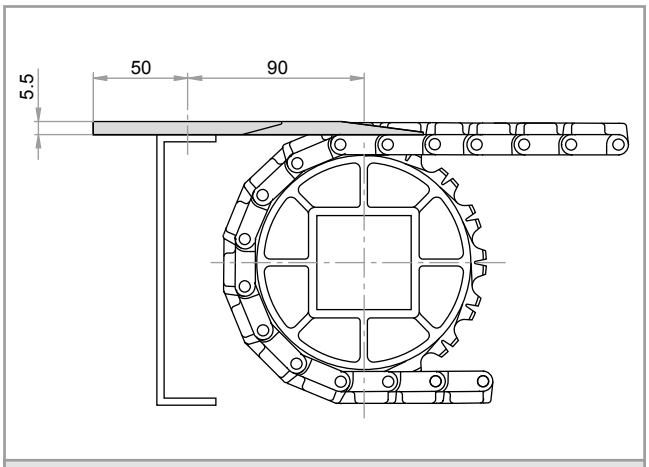
The finger plates are manufactured in nylon and acetal. They have 15 teeth that hide among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

They have three fastening holes that enable little displacements to achieve a better coupling with the belt.

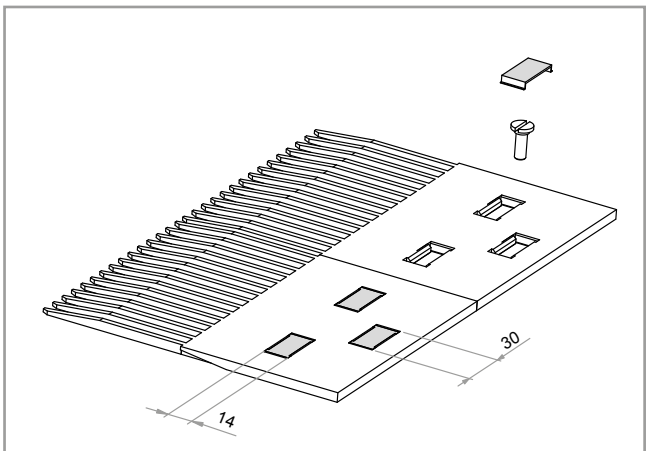
Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

The finger plates can be easily installed in the structure of the conveyor putting a screw in each hole. The dimensions of these screws are: M 6 x 19 mm.

Materials / Colours	Nº of teeth	Nº of holes
Nylon / Black	15	3
Polyacetal / Grey		



DESIGN DATA

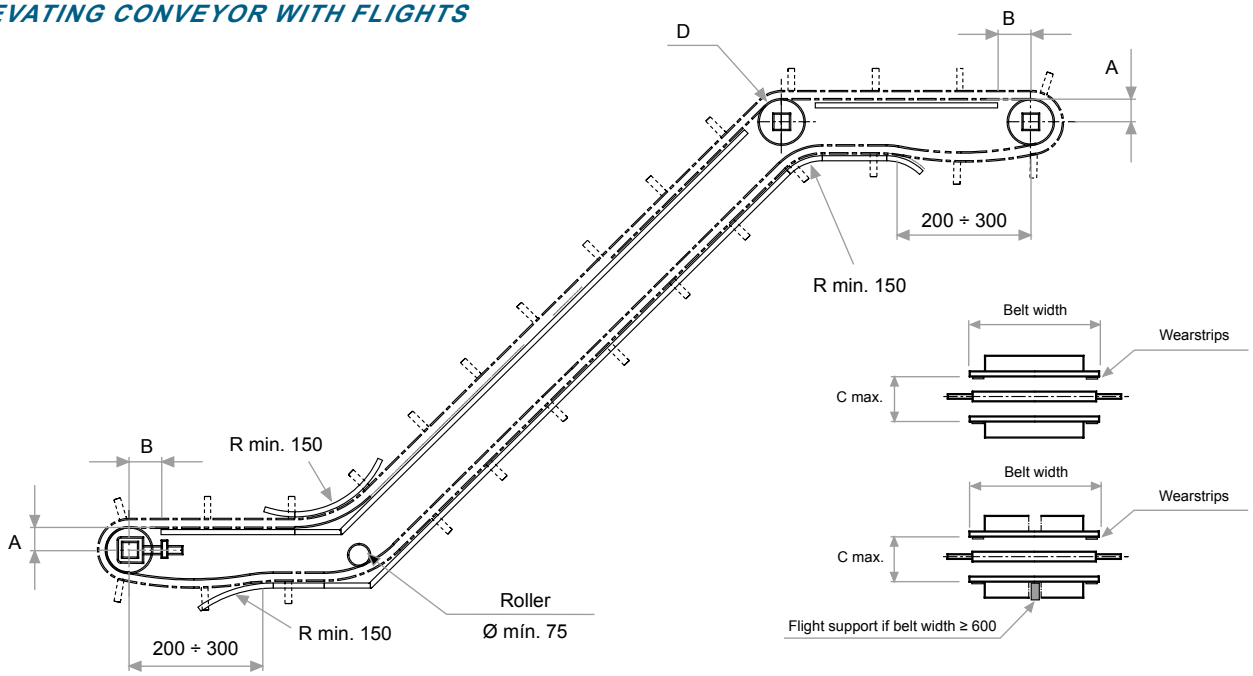


INSTALLATION

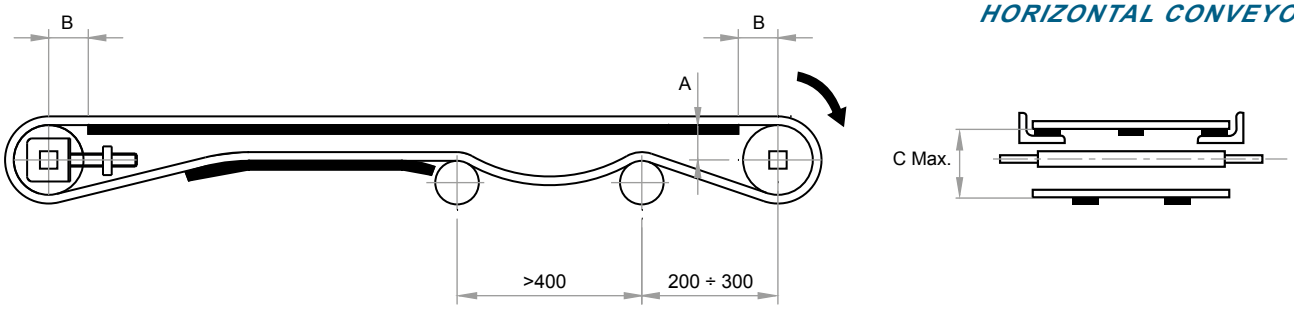
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
7	55.31	22	25	55
13	100.25	46	40	100
20	153.41	72	50	155
25	191.48	91	60	195

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
40	100	1	2	2
110	300	3	2	2
310	500	5	4	3
510	700	7	6	4
710	900	9	8	5
910	1,100	11	10	6
1,110	1,300	13	12	7
1,310	1,500	15	14	8
1,510	1,700	17	16	9
1,710	1,900	19	18	11
1,910	2,100	21	20	12
2,110	2,300	23	22	13
2,310	2,500	25	24	14
2,510	2,700	27	26	15

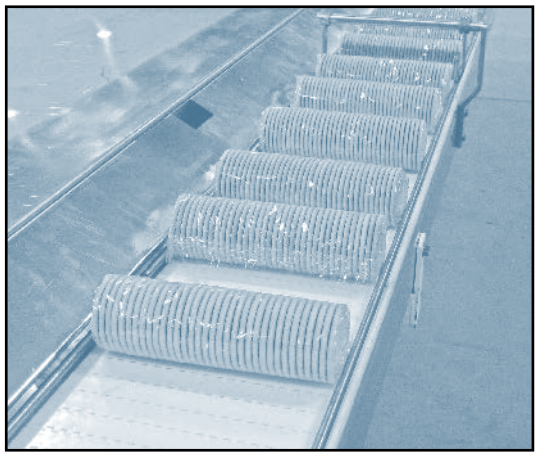
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{100\ \text{mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 150 mm in the transport way or 300 mm in the return way.



SERIES E30

FLAT TOP

FLUSH GRID

OPEN GRID

PERFORATED FLAT TOP

TRIAN FRICTION

RAISED RIB

FLAT FRICTION

SLIDING ROLLERS

FLAT TOP

FLUSH GRID

OPEN GRID

PERFORATED FLAT TOP

TRIAN FRICTION

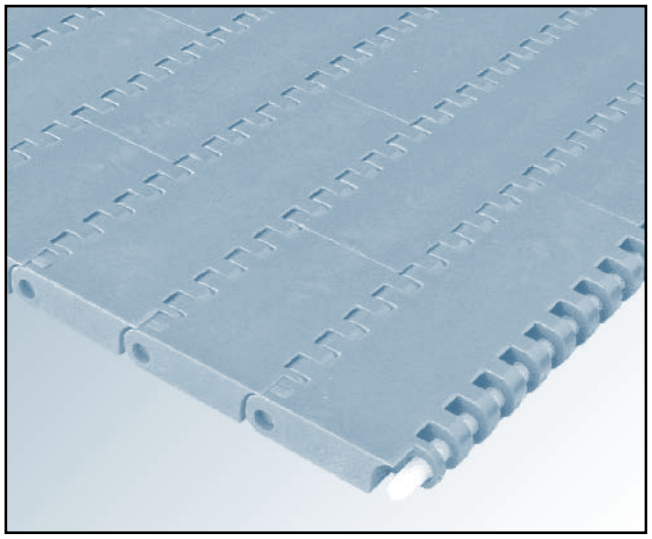
RAISED RIB

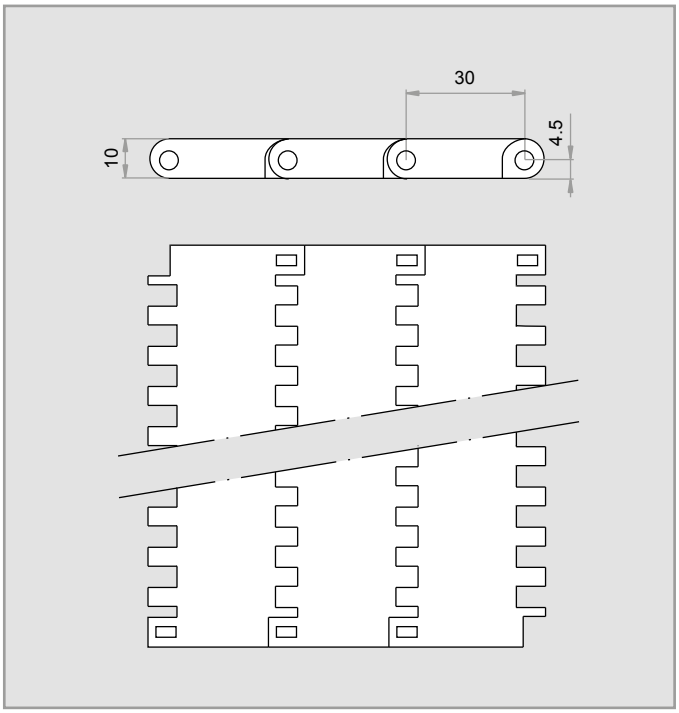
FLAT FRICTION

SLIDING ROLLERS

SERIES E30

SERIES E30 FLAT TOP





Eurobelt Series E30 Flat Top, thanks to its closed surface, 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.

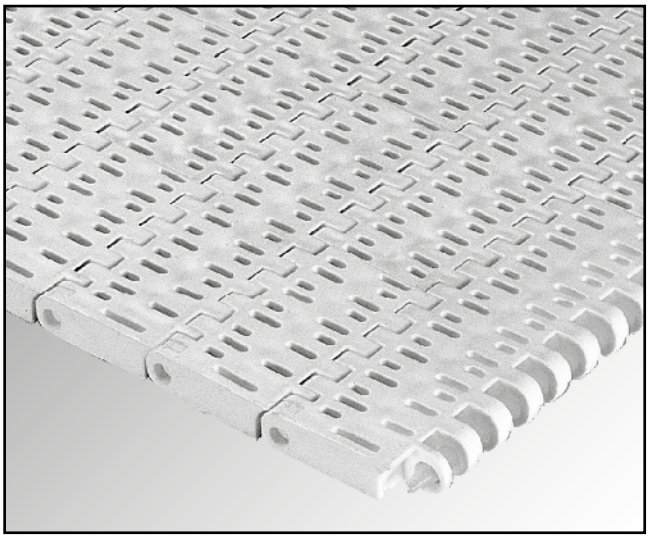
Pitch	30 mm
Surface	Flat Top
Open area	0 %
Thickness	10 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

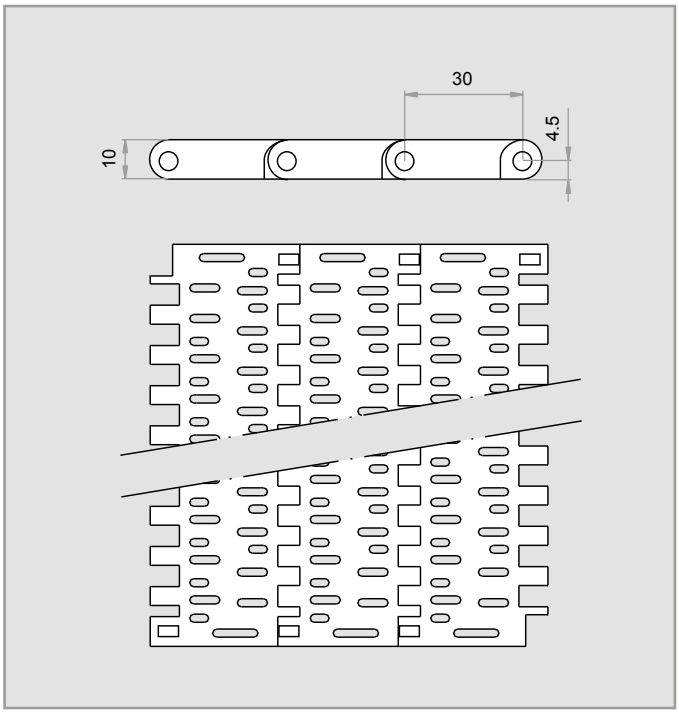
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,100	+1 to +104	5.31	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	600	-50 to +65	5.62	[N]
AC - Polyacetal	PP - Polypropylene	2,250	+1 to +90	7.93	[B]
	PE - Polyethylene	1,920	-40 to +65	7.96	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

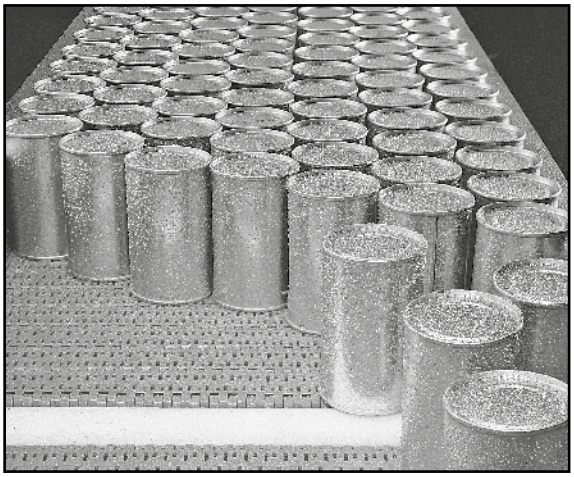
[Dimensions in mm]

SERIES E30 PERFORATED FLAT TOP





Eurobelt Series E30 Perforated Flat Top has a 17% open area, 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.



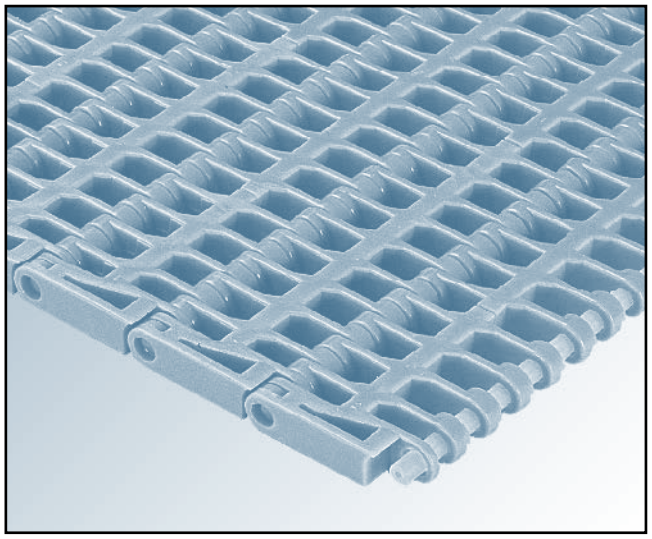
Pitch	30 mm
Surface	Perforated FlatTop
Open area	17 %
Dimensions of openings	[8 x 2] - [5 x 2] mm
Thickness	10 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

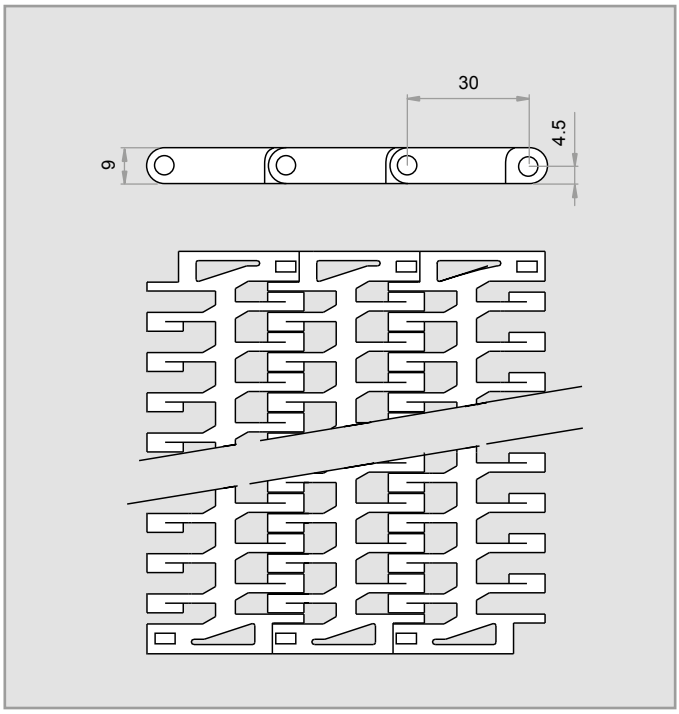
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,000	+1 to +104	5.01	[W] - [G]
PE - Polyethylene	PE - Polyethylene	600	-50 to +65	5.20	[N]
AC - Polyacetal	PP - Polypropylene	2,250	+1 to +90	7.33	[B]
	PE - Polyethylene	1,920	-40 to +65	7.36	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E30 FLUSH GRID





Eurobelt Series E30 Flush Grid has a grille-shaped configuration with a 41% 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.

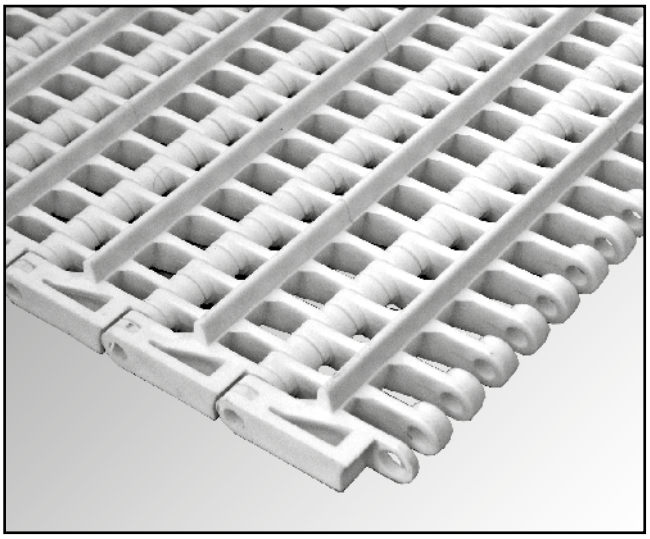
Pitch	30 mm
Surface	Flush Grid
Open area	41 %
Maximum opening (approx.)	[8 X 7.7] mm
Thickness	9 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

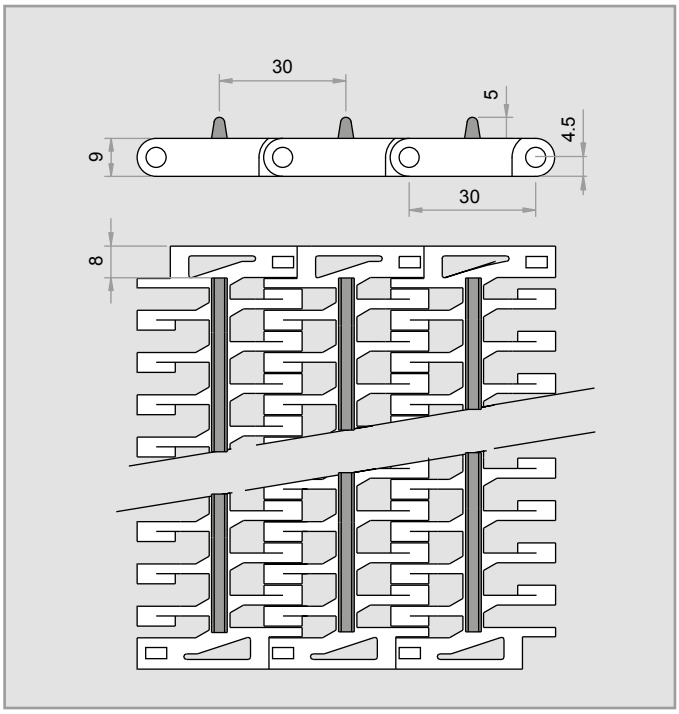
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m^2)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,100	+1 to +104	3.71	[W] - [G]
PE - Polyethylene	PE - Polyethylene	600	-50 to +65	4.00	[N] - [B]
AC - Polyacetal	PP - Polypropylene	2,250	+1 to +90	5.60	[B]
	PE - Polyethylene	1,920	-40 to +65	5.63	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E30 OPEN GRID





Eurobelt Series E30 Open Grid conveyor belt is used in product-in-bulk processes in inclined planes whenever the use of conventional flights is not possible.
Their mini-flights reduce the contact surface between product and belt, decreasing the adherence in processes like fish glazing and conveyance of frozen fish.

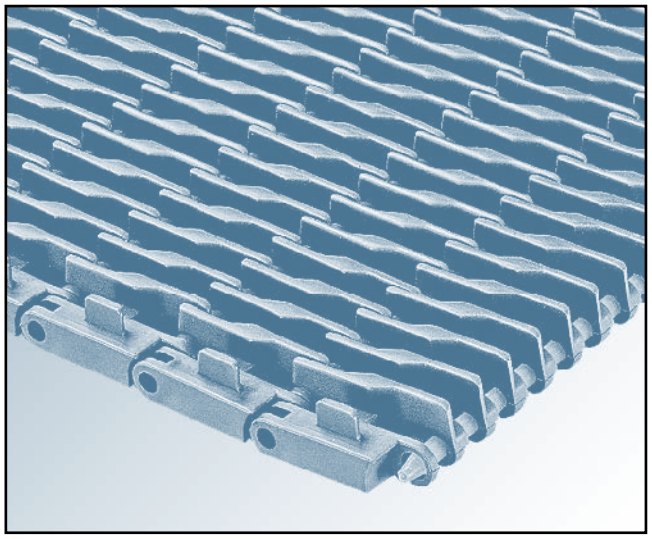
Pitch	30 mm
Surface	Open Grid
Open area	41 %
Maximum opening (approx.)	[8 X 7.7] mm
Thickness	9 mm
Mini-flight height	5 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

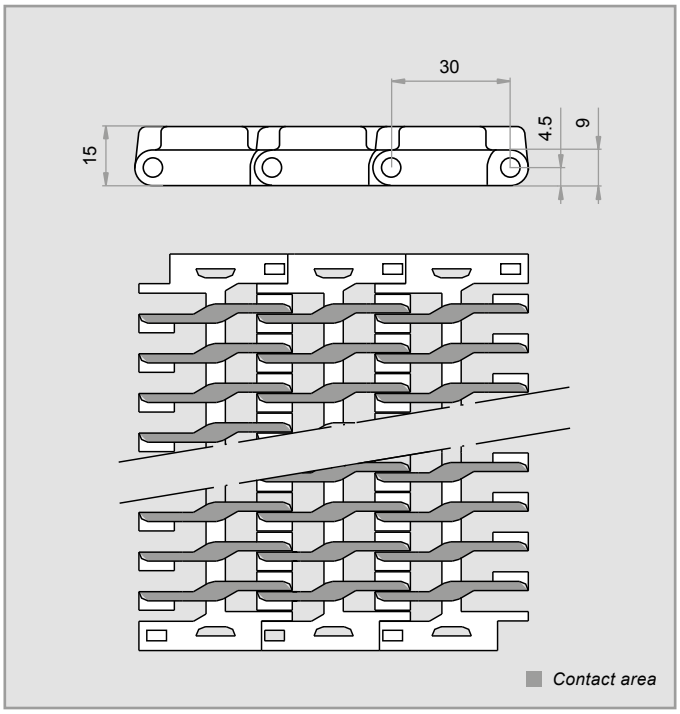
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,100	+1 to +104	3.93	[W]
PE - Polyethylene	PE - Polyethylene	600	-50 to +65	4.24	[N]
AC - Polyacetal	PP - Polypropylene	2,250	+1 to +90	5.88	[B]
	PE - Polyethylene	1,920	-40 to +65	5.91	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E30 RAISED RIB





Eurobelt Series E30 Raised Rib conveyor belt has been designed mainly for making product transfers by using finger plates.
Due to its smooth surface of projecting ribs, it is recommended for processes involving accumulation of containers of uncertain stability.

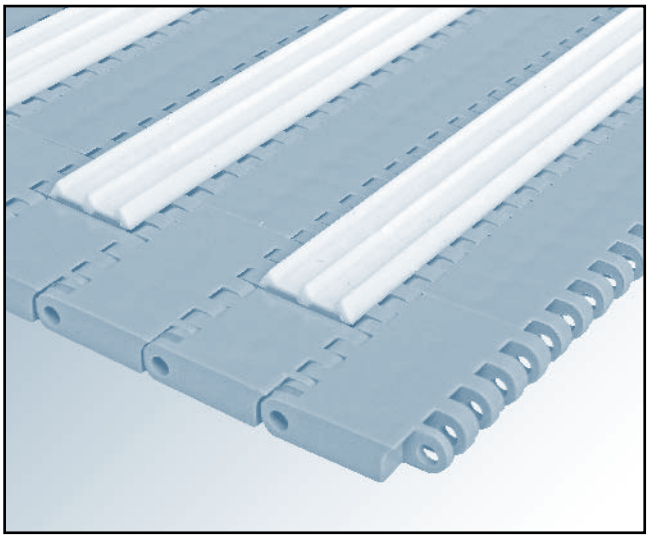
Pitch	30 mm
Surface	Raised Rib
Open area	41 %
Contact area	29 %
Maximum opening (approx.)	[8 X 7.7] mm
Thickness	15 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,100	+1 to +104	5,44	[G]
AC - Polyacetal	PP - Polypropylene	2,250	+1 to +90	8,30	[B]
	PE - Polyethylene	1,920	-40 to +65	8,33	[B]

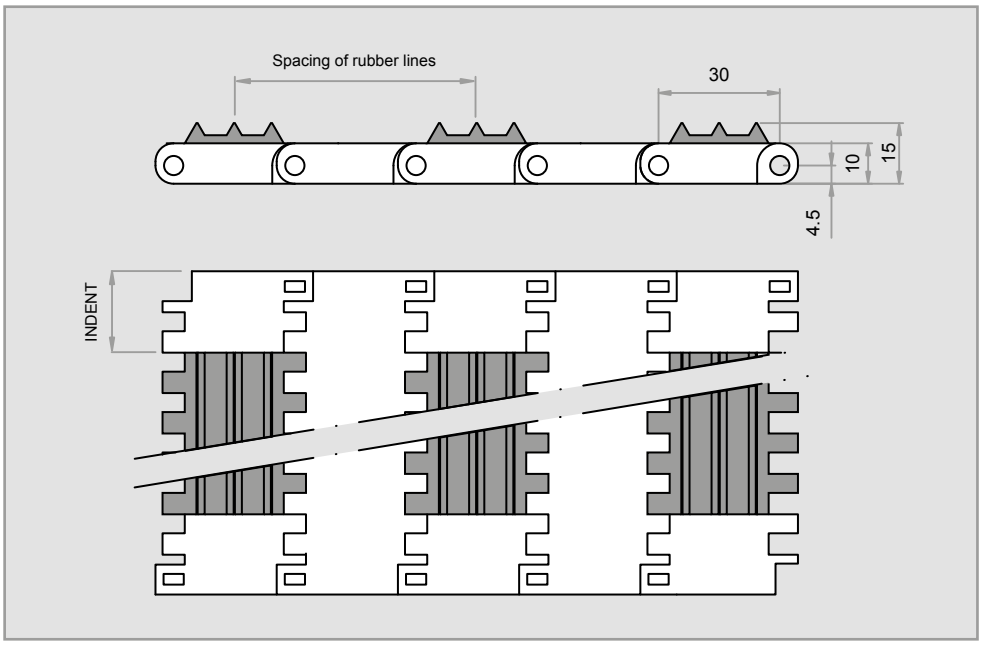
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

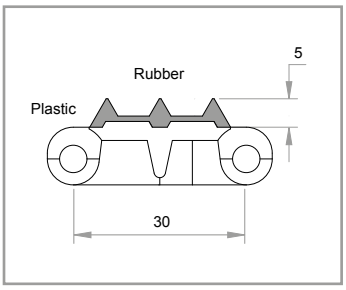
[Dimensions in mm]

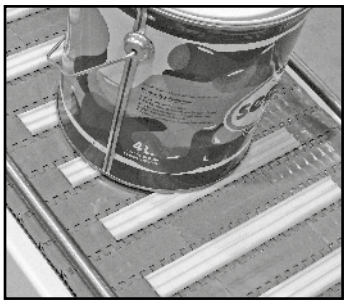
SERIES E30 TRIAN FRICTION TOP



Pitch	30 mm
Surface	Trian Friction Top
Drive system	Hinge
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Rubber hardness grades	Shore A35 / A45 / A60
Indent	Multiples of 10 mm, minimum 30 mm
Spacing of rubber lines	Multiples of 30 mm







Surface of the belt	Belt standard material	Rubber hardness grades and colour	Rod standard material	Temperature range (°C)	Available colours in stock
Flat Top	PP - Polypropylene	Shore A35 - grey	PP - Polypropylene	+1 to +104	[W]
		Shore A45 - black (1)			[G]
Flush Grid		Shore A60 - beige			[W]
	PE - Polyethylene	Shore A60 - beige	PE - Polyethylene	-50 to +65	[N]

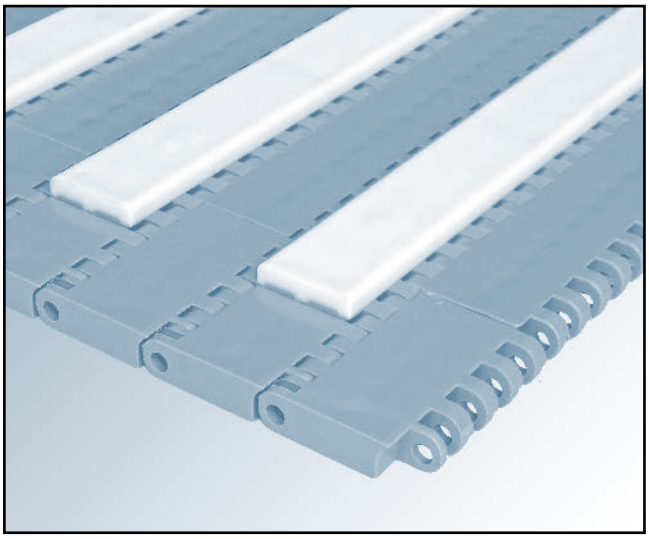
Trian Friction Top, designed with small transversal triangles, like mini flights, enables as well an easy and efficient cleaning.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

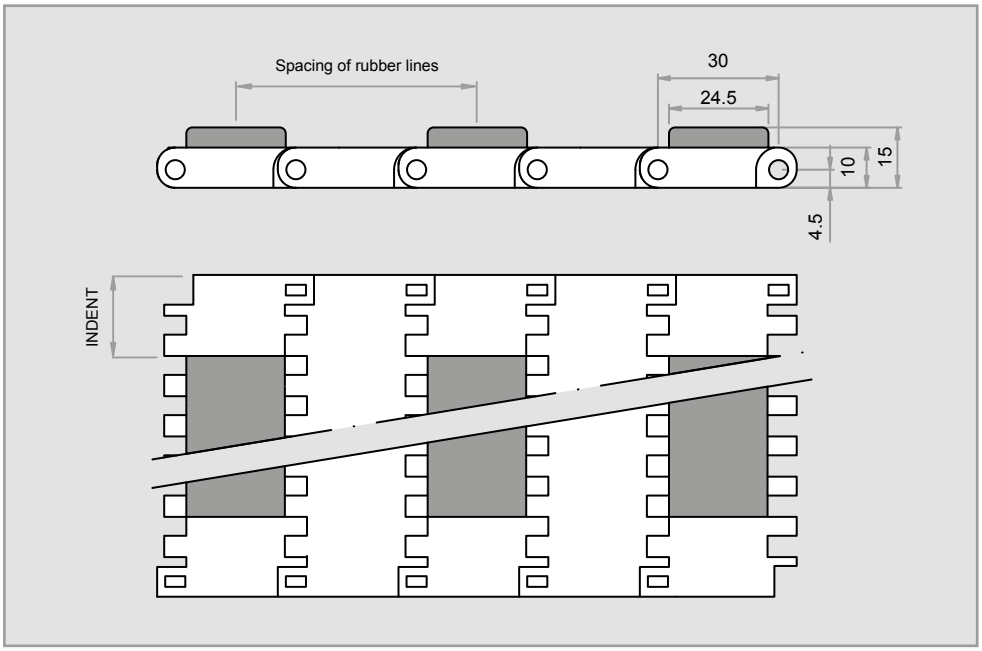
(1) *Unsuitable for direct contact with food.*

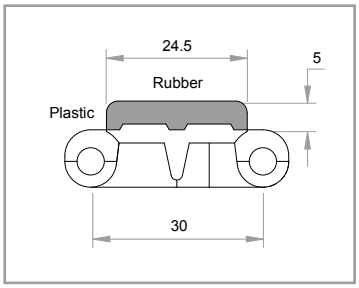
[Dimensions in mm]

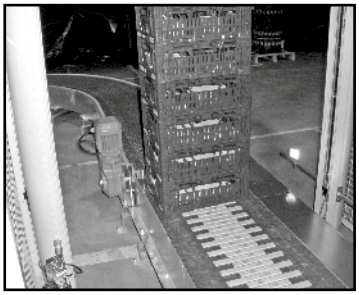
SERIES E30 FLAT FRICTION



Pitch	30 mm
Surface	Flat Friction
Drive system	Hinge
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Rubber hardness grades	Shore A35 / A45 / A60
Indent	Multiples of 10 mm, minimum 30 mm
Spacing of rubber lines	Multiples of 30 mm







Surface of the belt	Belt standard material	Rubber hardness grades and colour	Rod standard material	Temperature range (°C)	Available colours in stock
Flat Top	PP - Polypropylene	Shore A35 - grey	PP - Polypropylene	+1 to +104	[W]
		Shore A45 - black (1)			[G]
Flush Grid		Shore A60 - beige			[W]
	PE - Polyethylene	Shore A60 - beige	PE - Polyethylene	-50 to +65	[N]

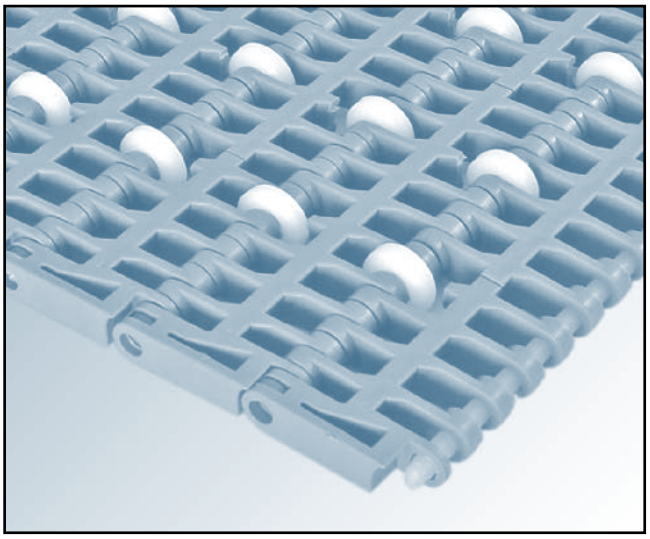
Flat Friction Top, with a flat rubber surface, is perfect for applications in which a maximum adherence is needed.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

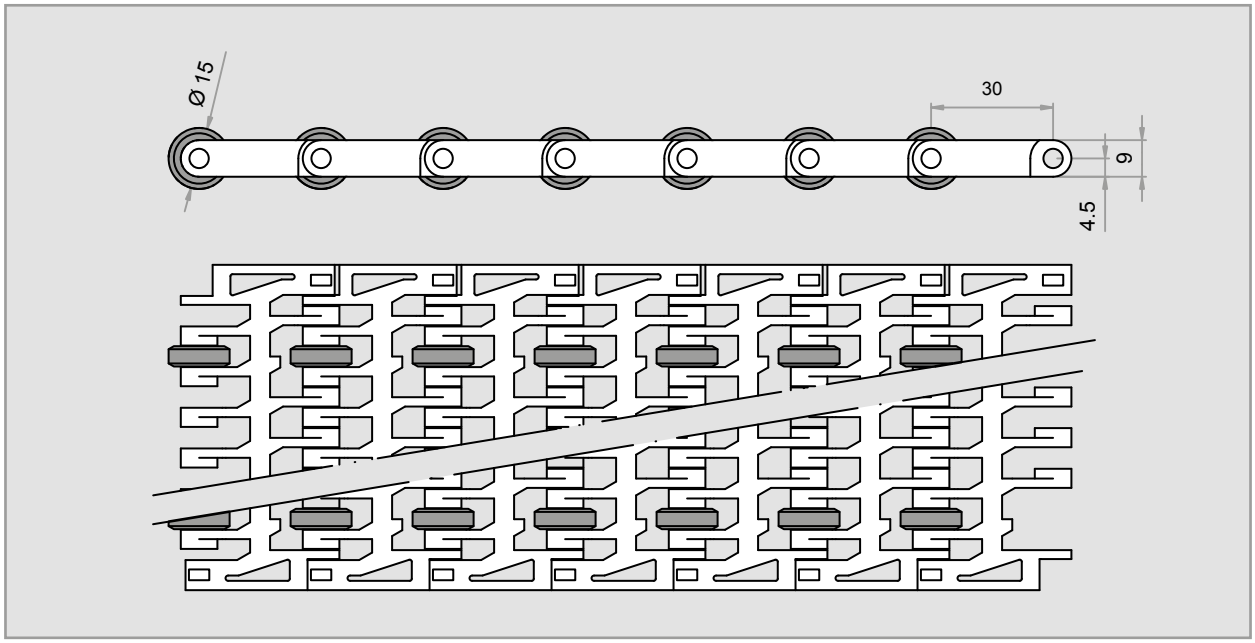
(1) *Unsuitable for direct contact with food.*

[Dimensions in mm]

SERIES E30 SLIDING ROLLERS



Pitch	30 mm
Surface	Sliding Rollers
Drive system	Hinge
Belt width	Multiples of 10 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap
Diameter of small roller	Ø 15 mm
Width of small roller	4.9 mm
Material of small roller	Polyacetal
Sliding Rollers pitch	Multiples of 30 mm



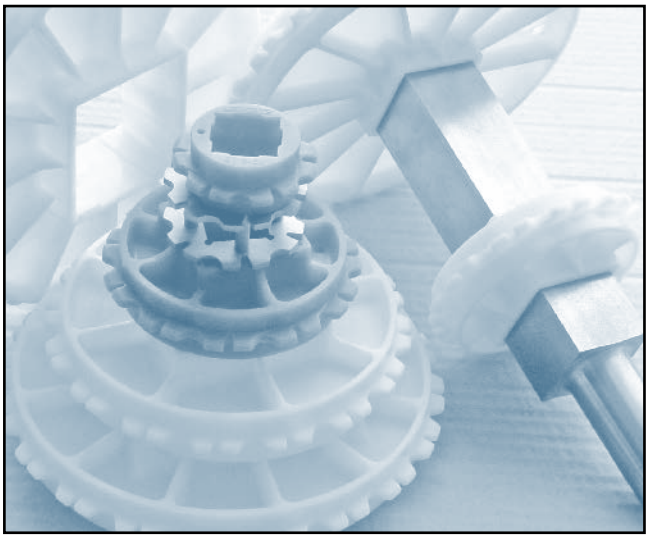
Surface of the belt	Belt standard material	Rod standard material	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flush Grid	PP - Polypropylene	PP - Polypropylene	On Request	+1 to +104	[W] - [G] - [B]
	PE - Polyethylene	PE - Polyethylene		-50 to +65	[N]
	AC - Polyacetal	PP - Polypropylene		+1 to +90	[B]
		PE - Polyethylene		-40 to +65	[B]

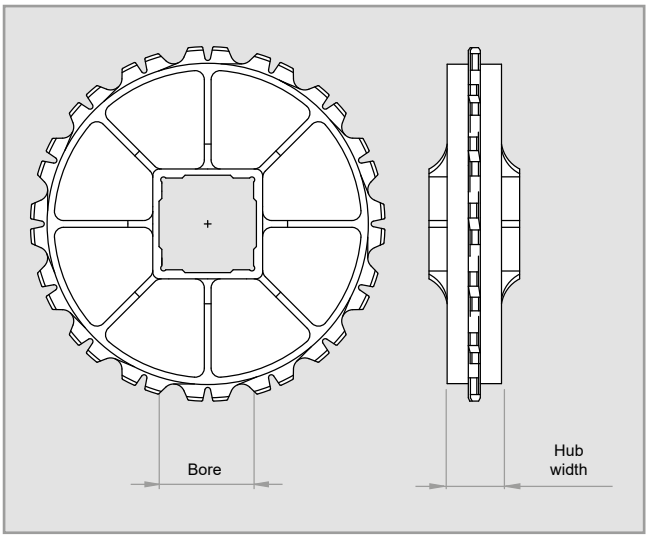
This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

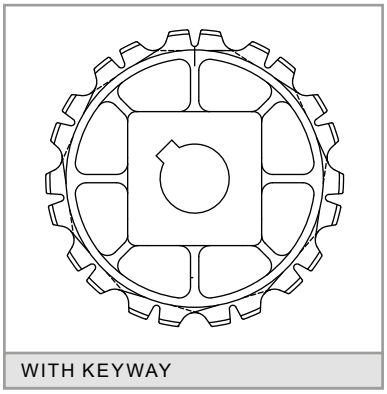
ACCESSORIES [SPROCKETS]



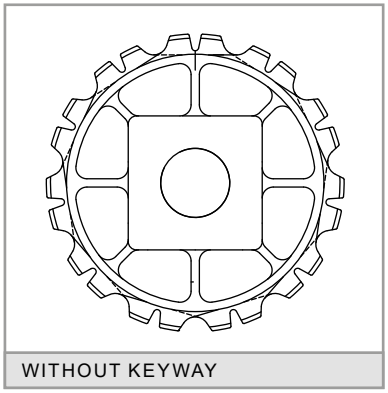


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
6	60	25	-	24	Polypropylene Polyacetal Stainless steel
9	87.7	25 40	1” 1.5"	24	
11	106.5	40	1.5"	40	
16	153.5	40 60	1.5" 2.5"	40	
20	191.5	40 60 90	1.5"	40	

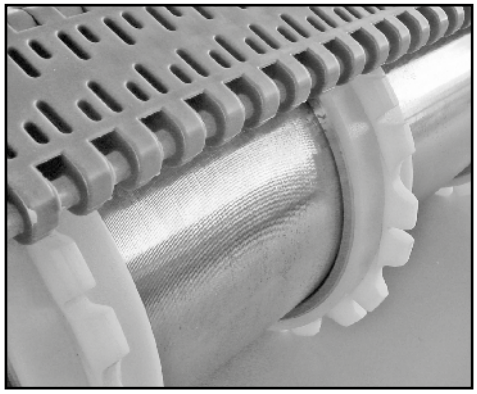
SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

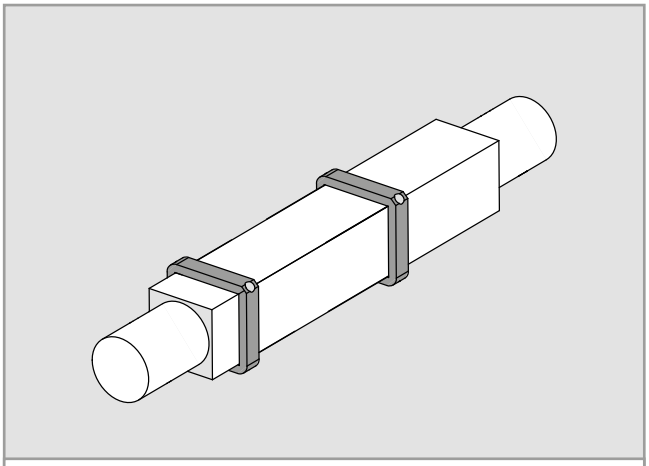
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

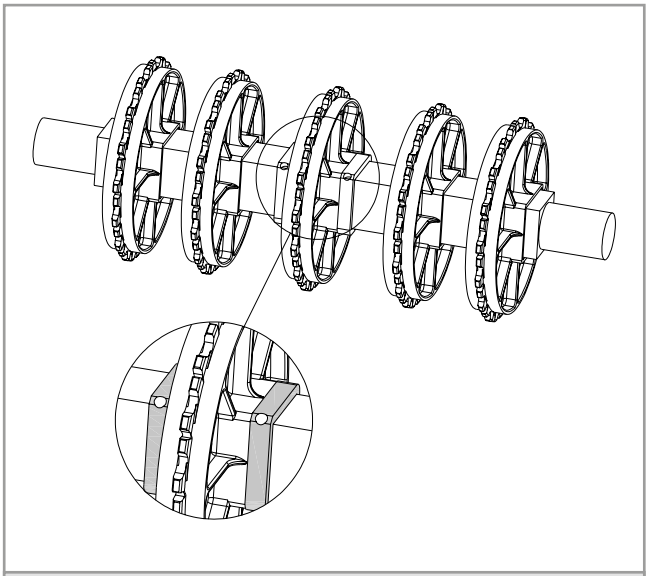
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



RETAINING RINGS



CENTRAL SPROCKET

ACCESSORIES [FLIGHTS AND SIDE GUARDS]

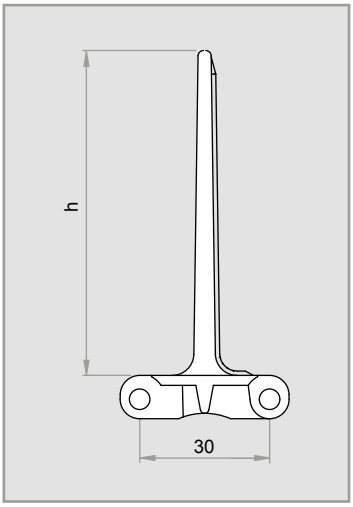
The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

Its non-stick side has ribs that project over the surface to prevent the product from sticking.

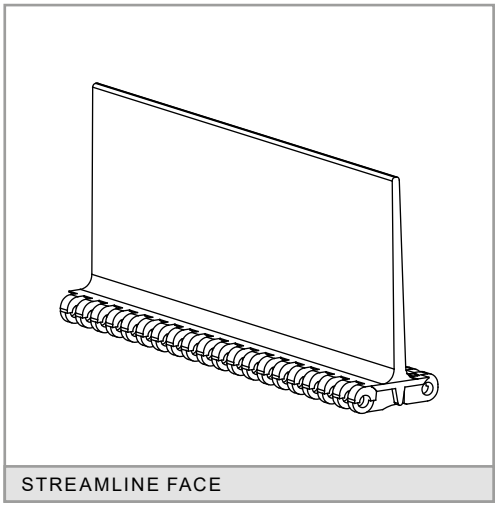
The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHT [STREAMLINE + NO CLING]

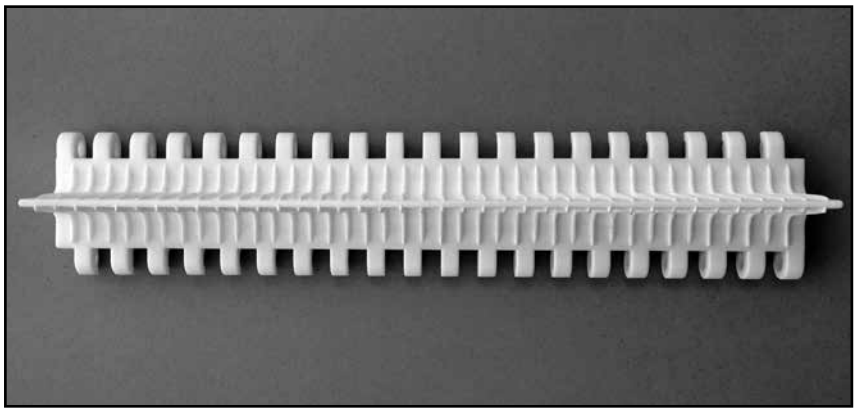


NO CLING FACE



STREAMLINE FACE

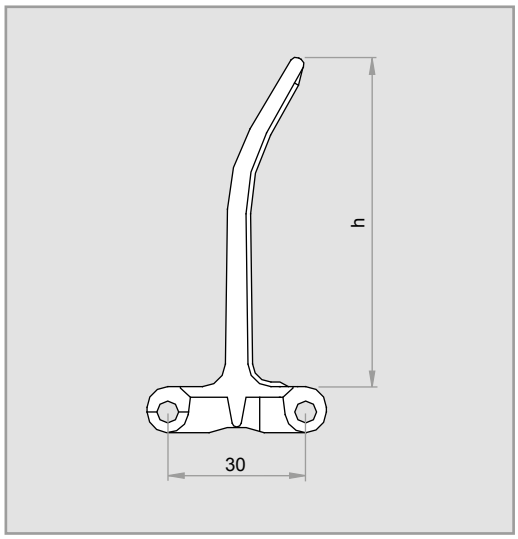
STRAIGHT FLIGHT [NO CLING]

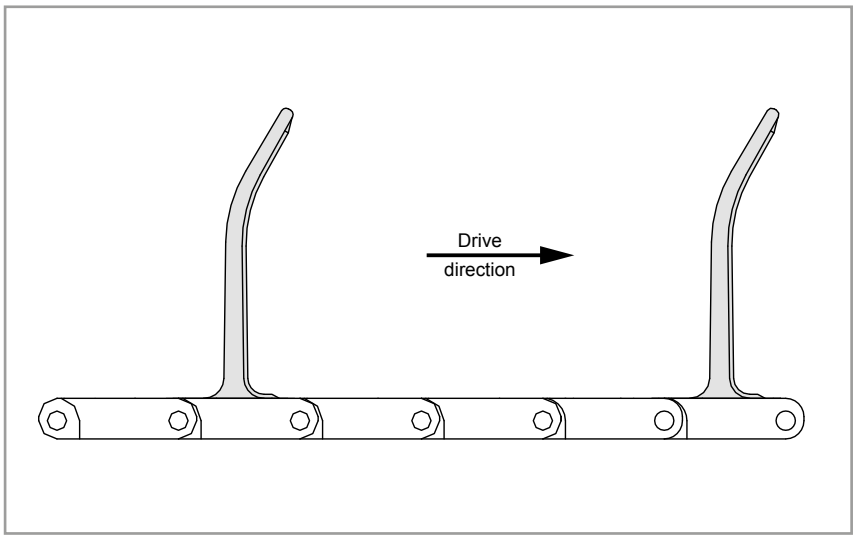


Height (h)	Materials
Straight flight [Streamline + No Cling]	
25 50 75	Polypropylene Polyethylene Polyacetal
Straight flight [No Cling]	
25 50	Polypropylene Polyethylene

[Dimensions in mm]

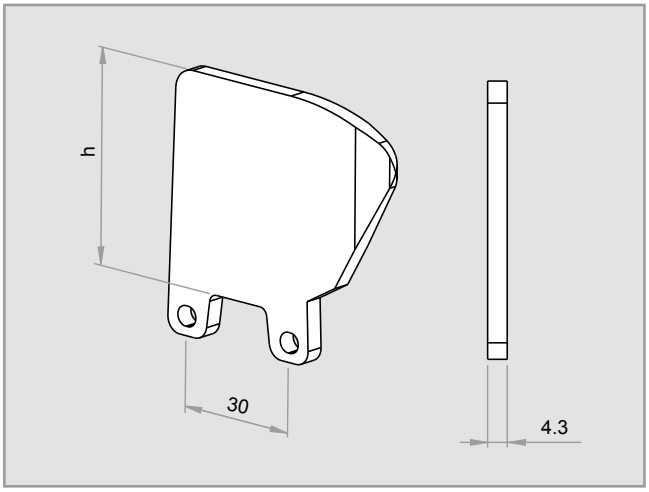
BENT FLIGHT

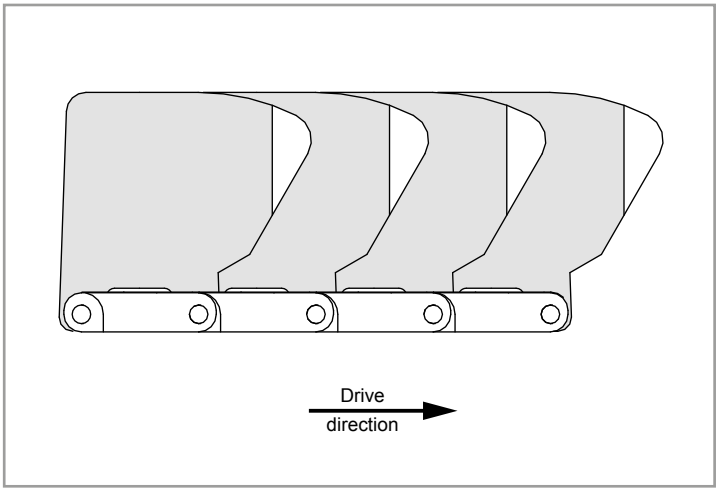




Accessories	Height (h)	Materials
Bent Flight [Streamline + No Cling]	45 70	Polypropylene Polyethylene Polyacetal

SIDE GUARDS

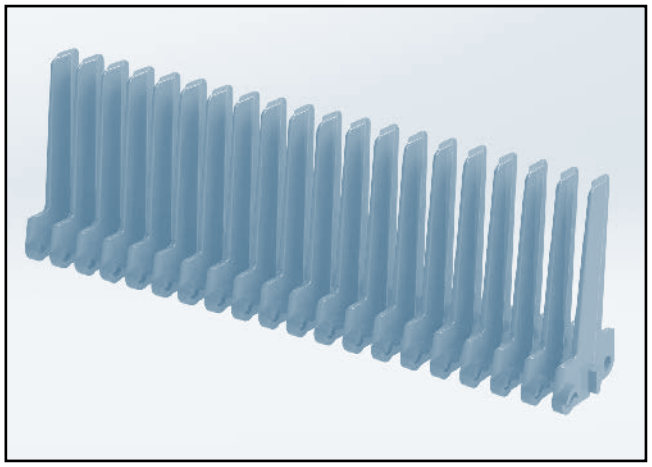




Accessories	Height (h)	Materials
Side guards	50 75	Polypropylene Polyethylene Polyacetal

[Dimensions in mm]

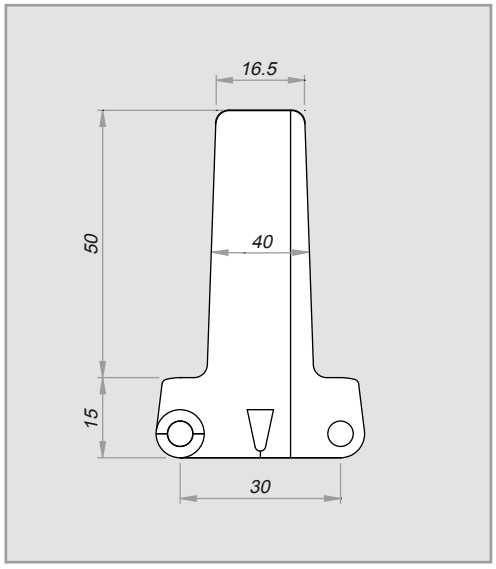
ACCESSORIES [FLIGHT AND FINGER PLATE FOR RAISED RIB BELT]

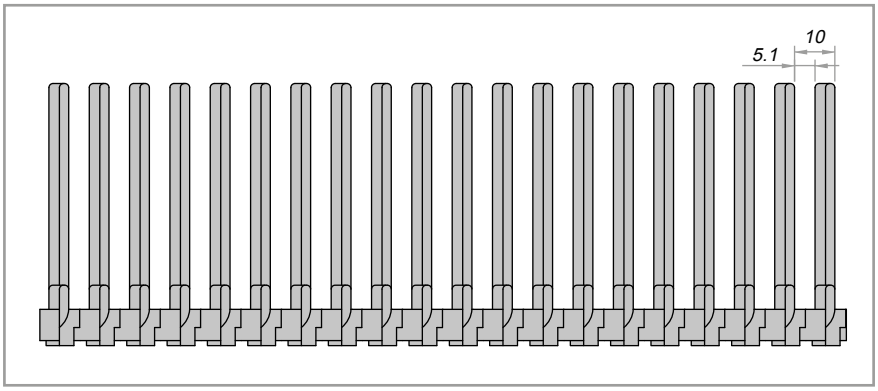


Using this system the belt passes through the finger plate and the product comes unstuck from the bottom up without pressure or scrape.

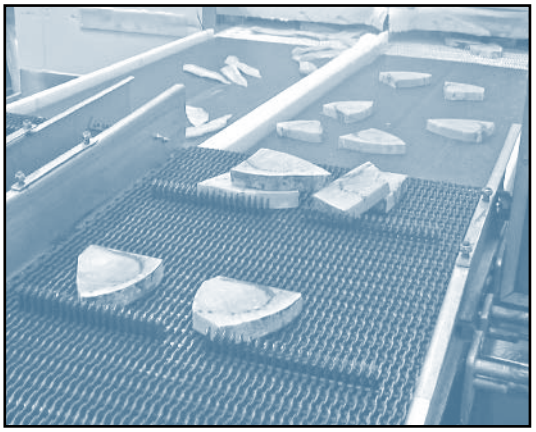
This unique combination of Raised Rib belt and grooved flight enables to elevate and transfer in-bulk or packed product without falls or cadence lost.

GROOVED FLIGHT



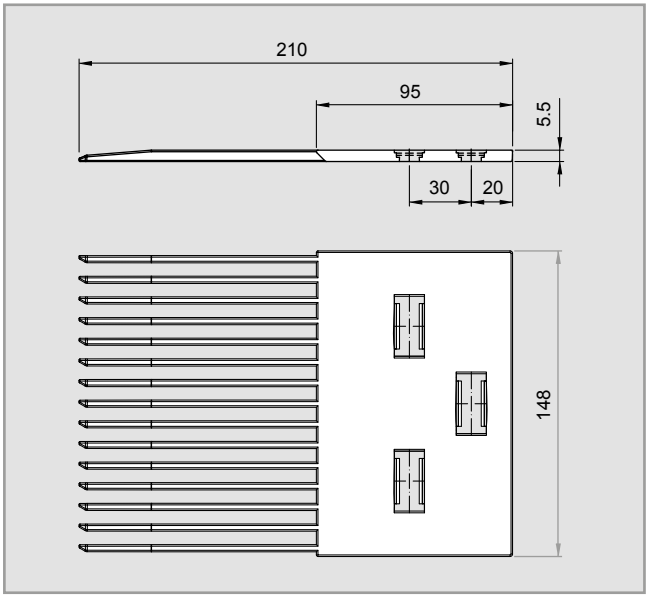


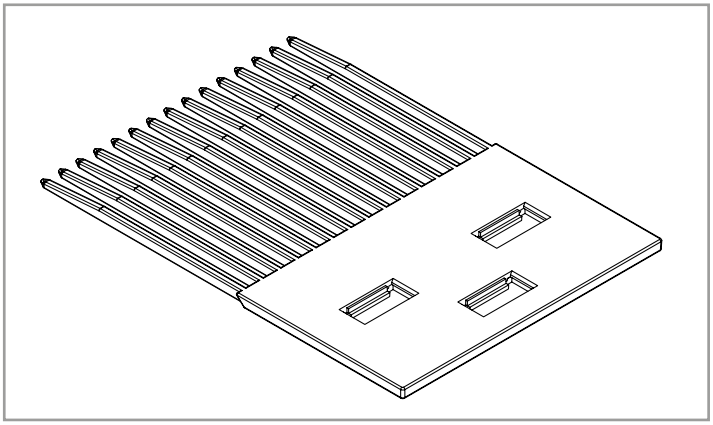
Accessories	Height (h)	Materials	Colour
Grooved Flight [for Raised Rib Belt]	50	Polyacetal	Blue



[Dimensions in mm]

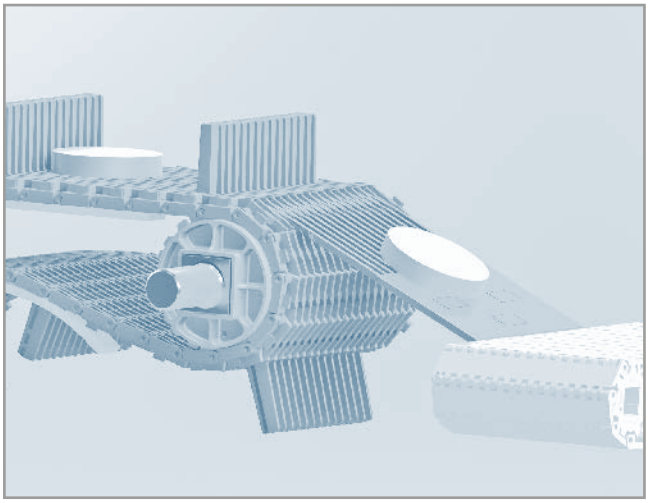
FINGER PLATES



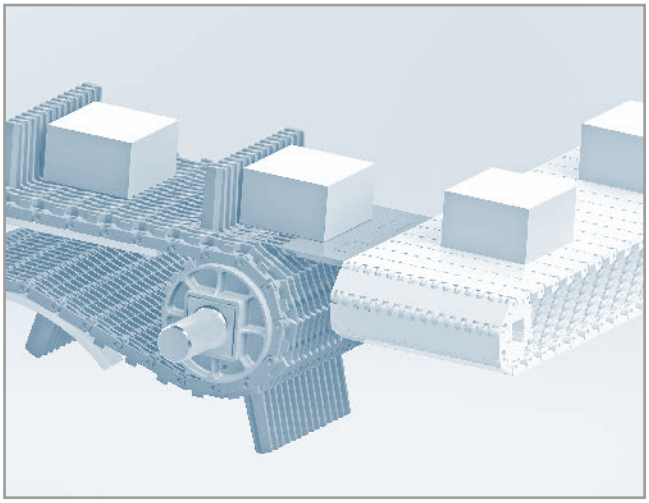


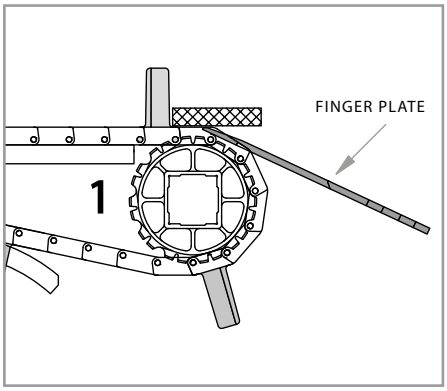
Materials / Colours	Nº of teeth	Dimensions
Polyacetal / Yellow	15	210 x 148

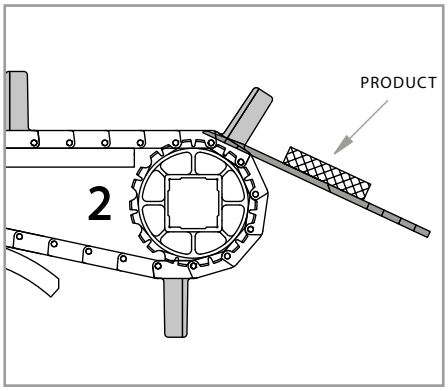
UNLOADING SYSTEM BY SLIDING

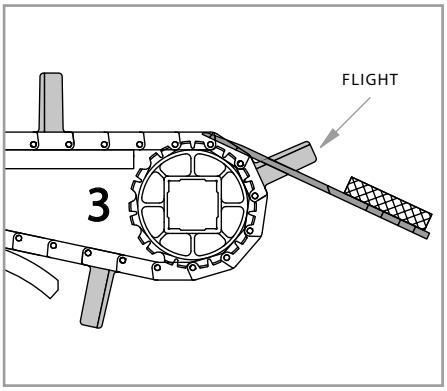


UNLOADING SYSTEM BY PUSH





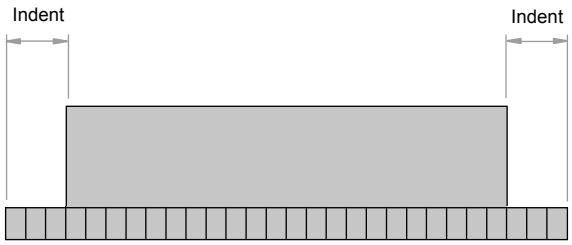




[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

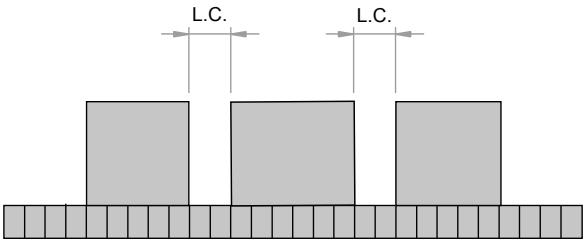
BELT ONLY WITH FLIGHTS



Indent = Multiples of 10 mm (30 mm the minimum)[1].

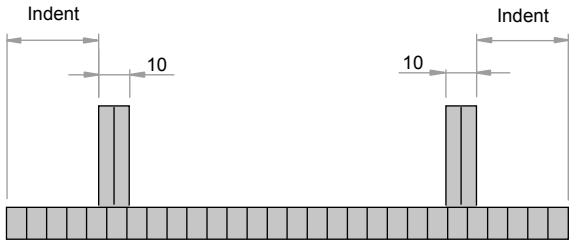
Distance between flights = Multiples of 60.

BELT WITH LONGITUDINAL CUTS



Flight longitudinal cut = increment of 10 mm (minimum 30 mm)

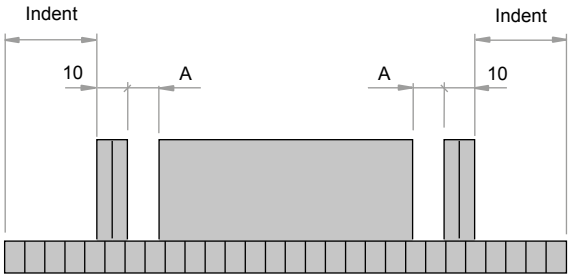
BELT ONLY WITH SIDE GUARDS



Indent = Multiples of 10 mm (20 mm the minimum).

Multiples of 10 + 5 mm (25 mm the minimum).

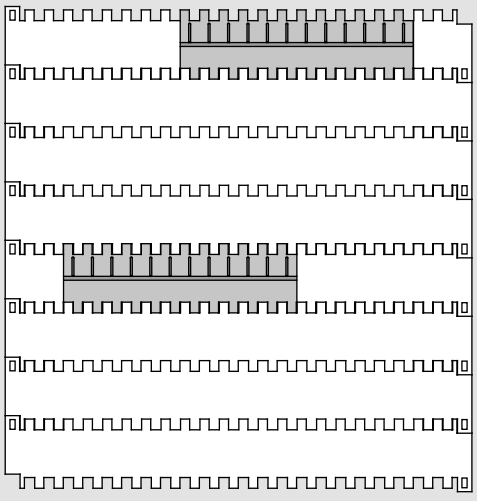
BELT WITH FLIGHTS AND SIDE GUARDS



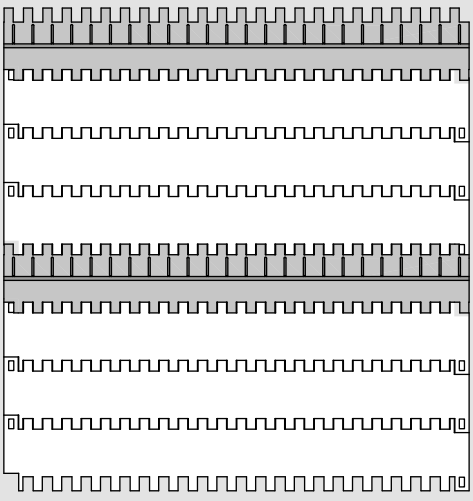
Indent = Multiples of 10 mm (20 mm the minimum). A= 10 mm

Multiples of 10 + 5 mm (25 mm the minimum). A= 5 mm

BELT WITH ZIGZAG FLIGHTS



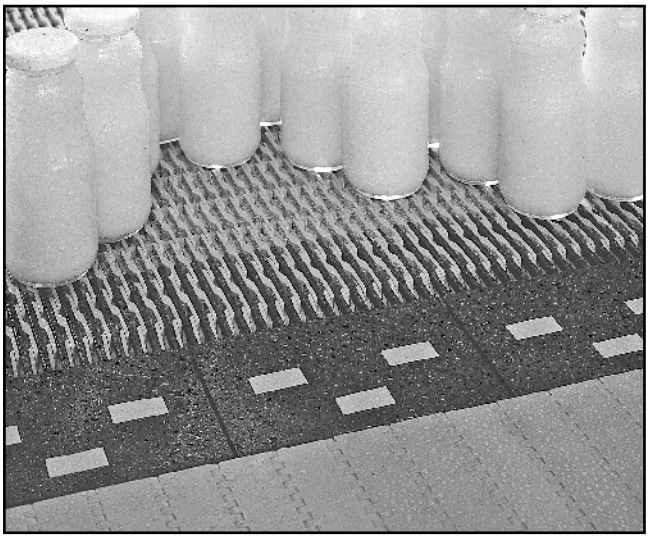
BELT WITH FLIGHTS, WITHOUT INDENT

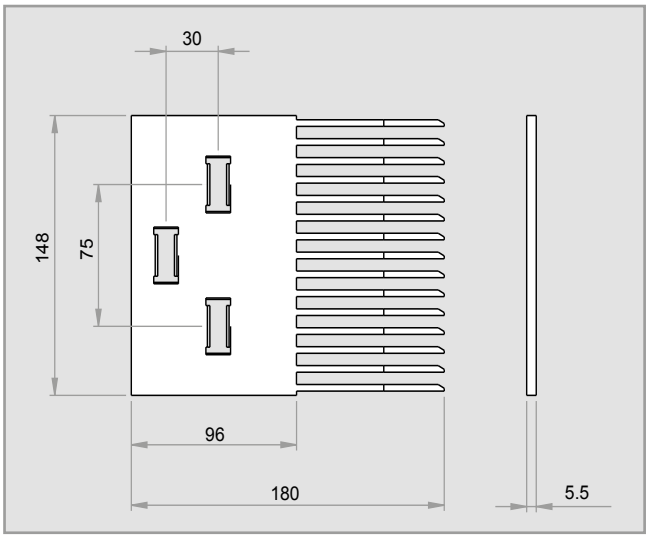


[1] Ask for the possibility of shaping your belt with a smaller indent than that recommended.

[Dimensions in mm]

ACCESSORIES [FINGER PLATES]





They have been designed to be used with the Raised Rib belts in applications in which it is necessary to transfer the product by means finger plates.

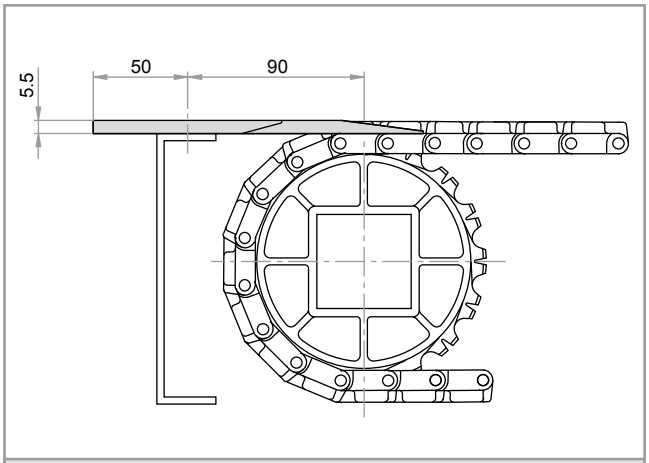
The finger plates are manufactured in nylon and acetal. They have 15 teeth that hide among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

They have three fastening holes that enable little displacements to achieve a better coupling with the belt.

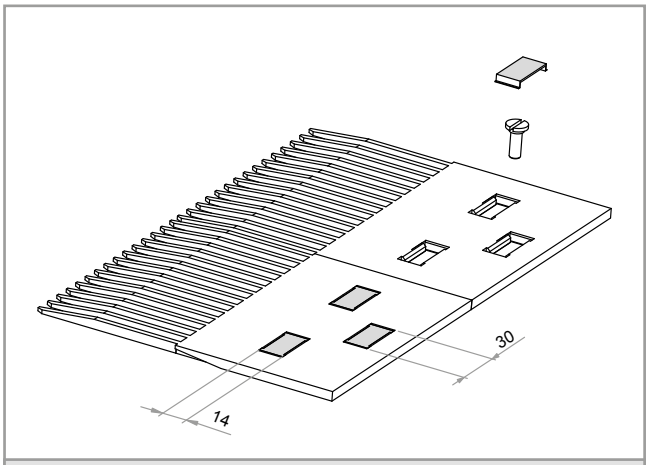
Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

The finger plates can be easily installed in the structure of the conveyor putting a screw in each hole. The dimensions of these screws are: M 6 x 19 mm.

Materials / Colours	Nº of teeth	Nº of holes
Nylon / Black	15	3
Polyacetal / Grey		



DESIGN DATA

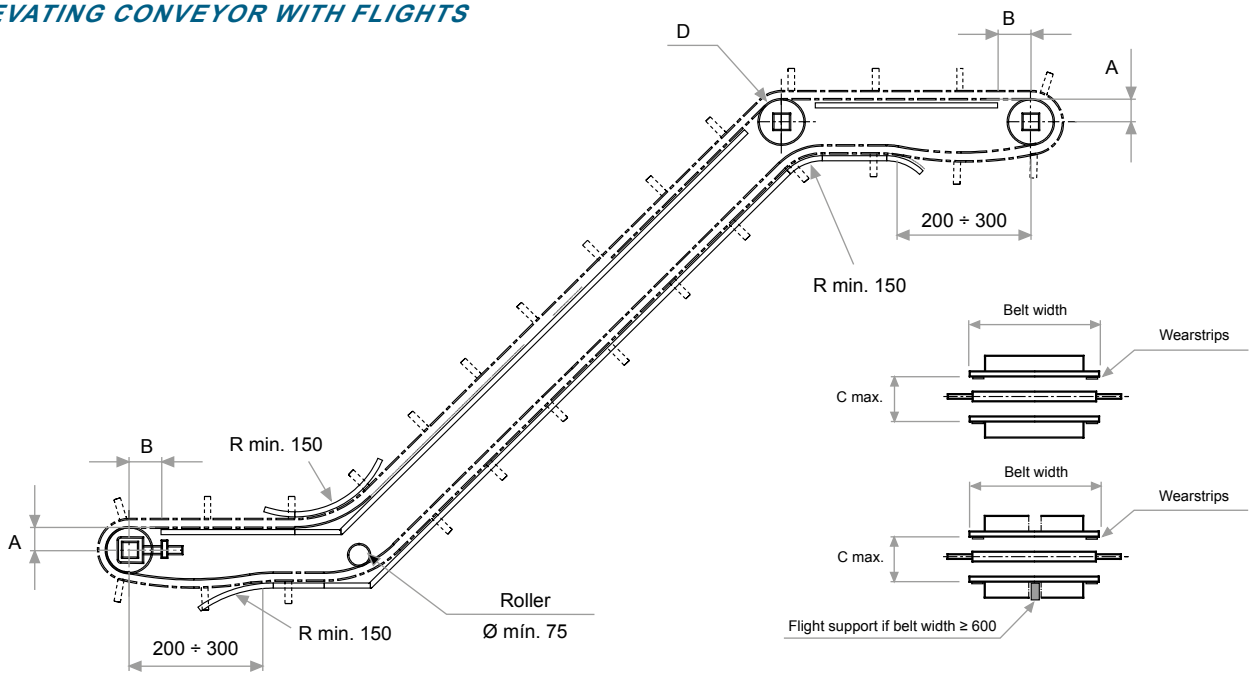


INSTALLATION

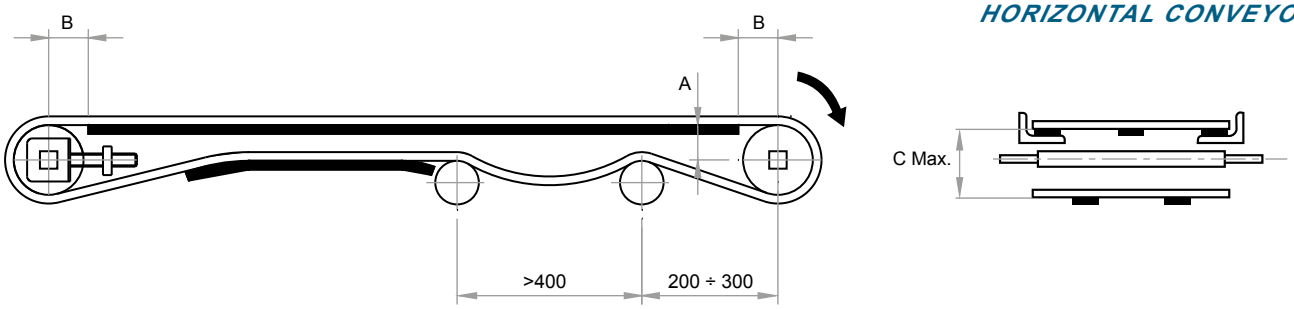
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
6	60	25	30	65
9	87.7	37	40	92
11	106.5	48	50	110
16	153.5	73	65	155
20	191.5	91	75	195

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
40	100	1	2	2
110	300	3	2	2
310	500	5	4	3
510	700	7	6	4
710	900	9	8	5
910	1,100	11	10	6
1,110	1,300	13	12	7
1,310	1,500	15	14	8
1,510	1,700	17	16	9
1,710	1,900	19	18	11
1,910	2,100	21	20	12
2,110	2,300	23	22	13
2,310	2,500	25	24	14
2,510	2,700	27	26	15
2,710	2,900	29	28	16
2,910	3,100	31	30	17
3,110	3,300	33	32	18
3,310	3,500	35	34	19
3,510	3,700	37	36	21

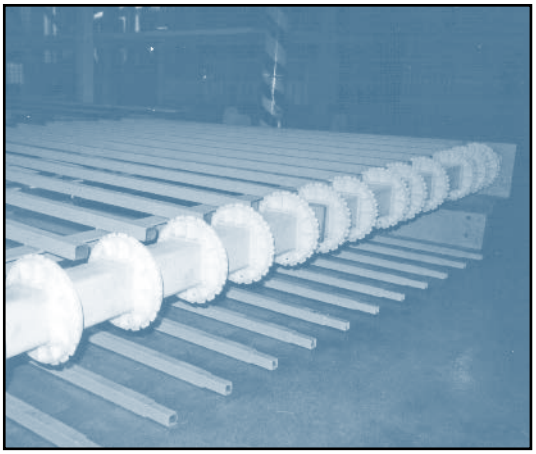
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{100\ \text{mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

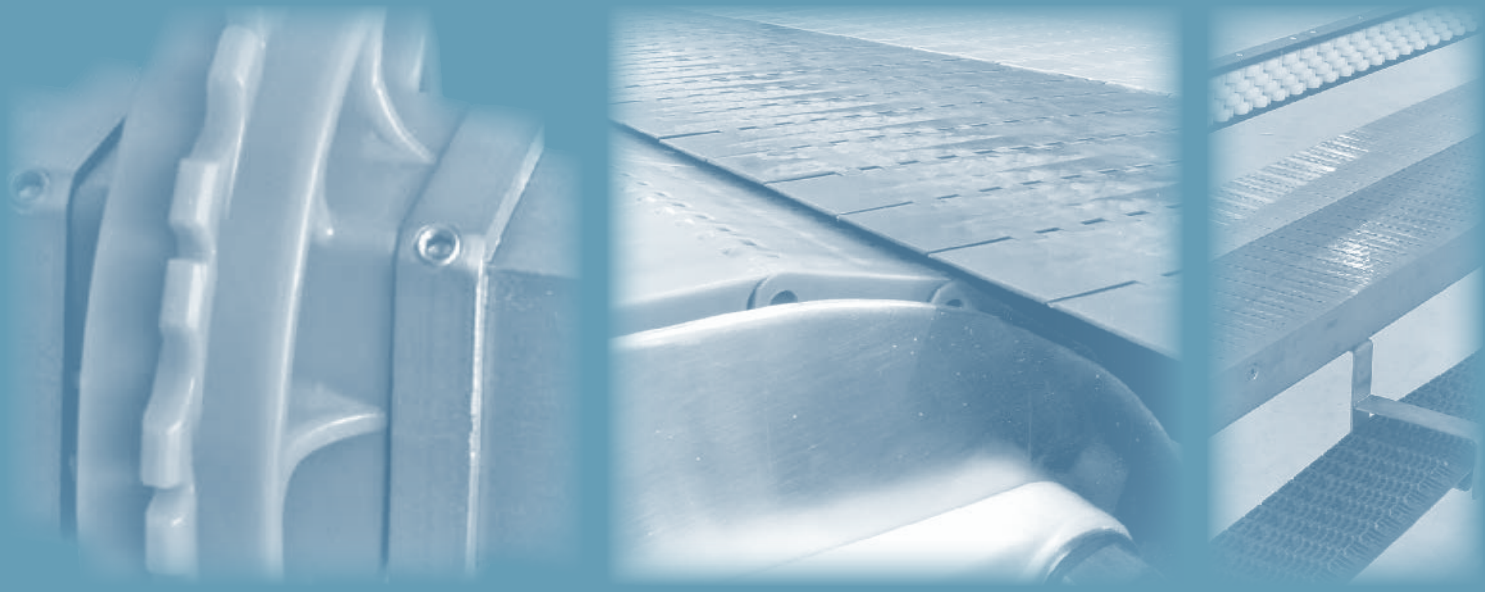
The distance between supports should not exceed 150 mm in the transport way or 300 mm in the return way.

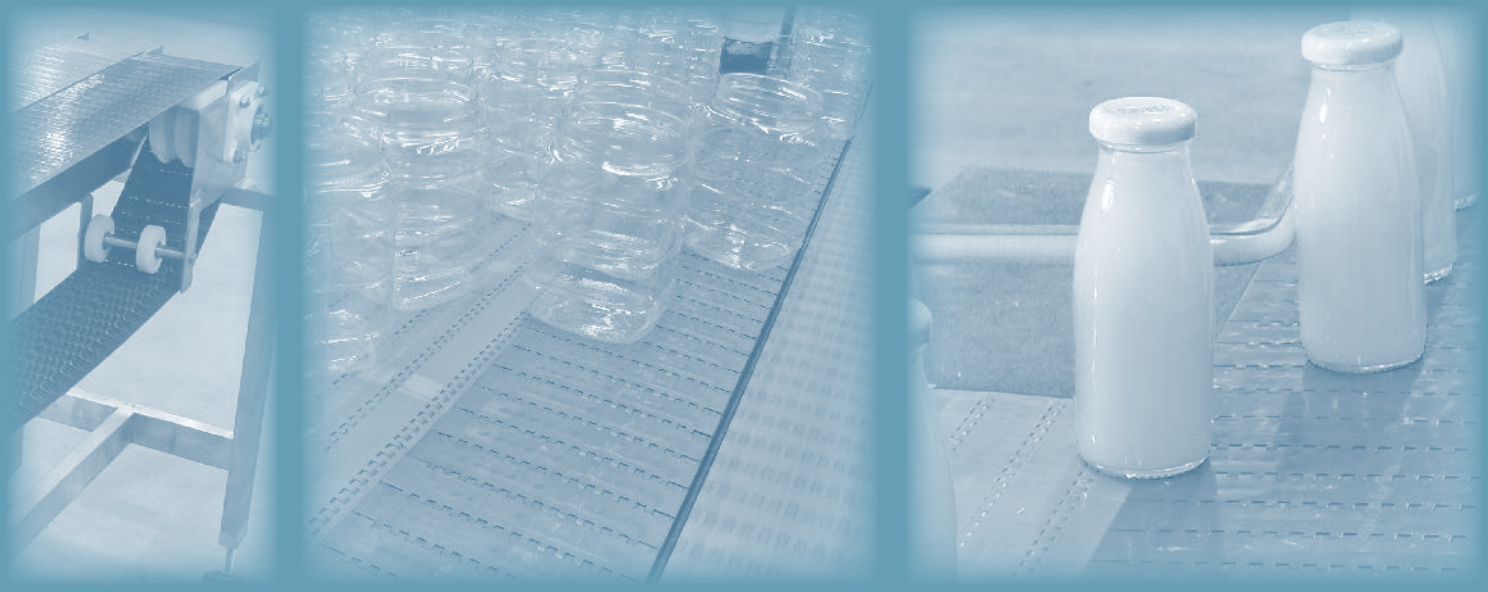


[Dimensions in mm]

SERIES E31

LATERAL TRANSFER

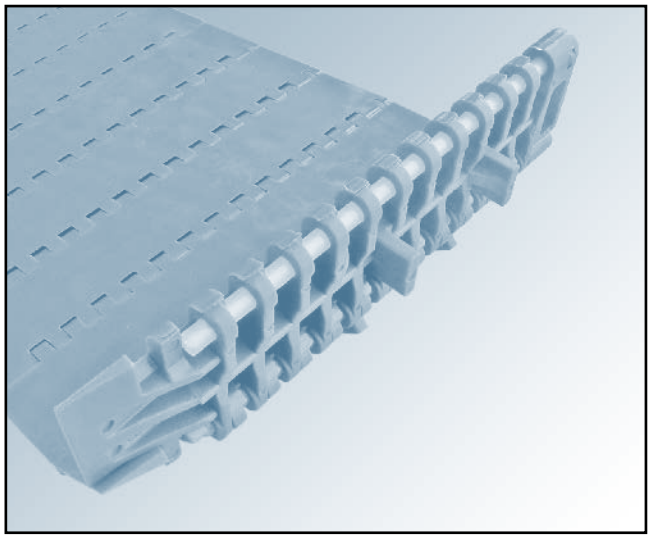




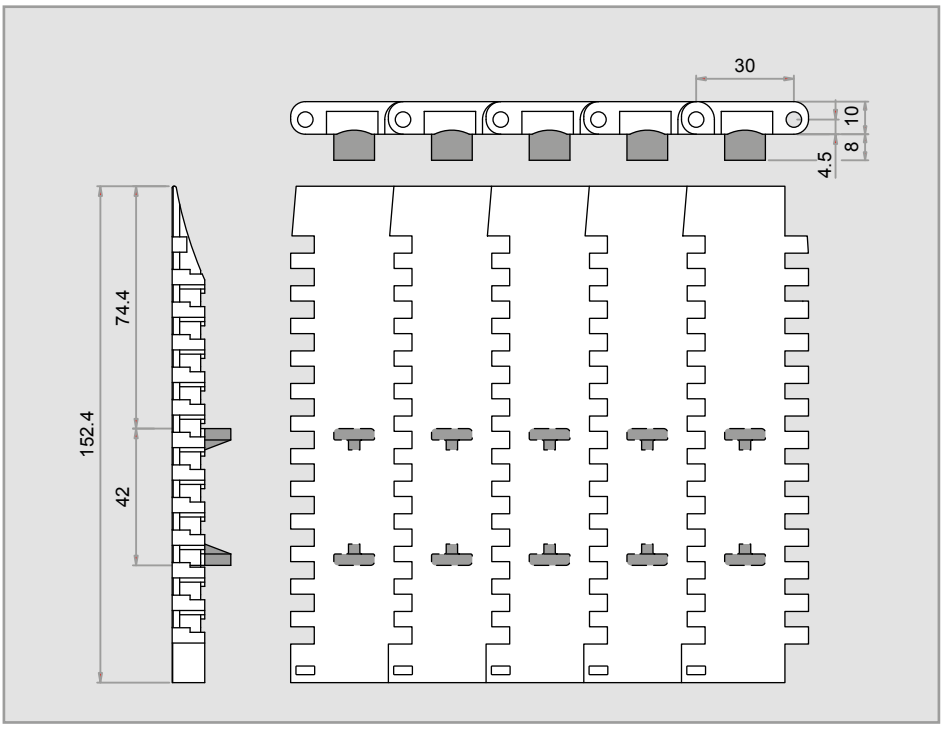
SERIES E31

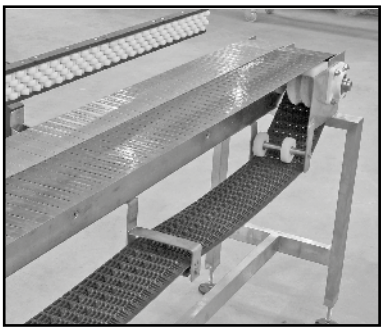
LATERAL TRANSFER

SERIES E31 LATERAL TRANSFER



Pitch	30 mm
Surface	Lateral Transfer Flat Top
Open area	0 %
Thickness	10 mm
Lower guides	8 mm
Drive system	Central
Belt width	152.4 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap



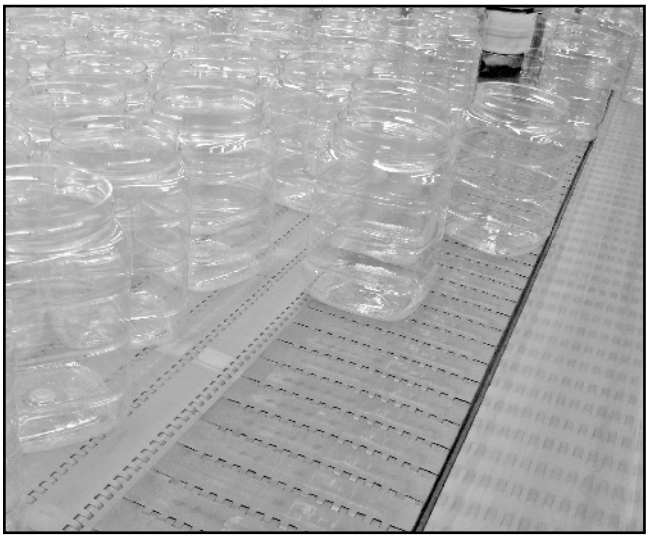


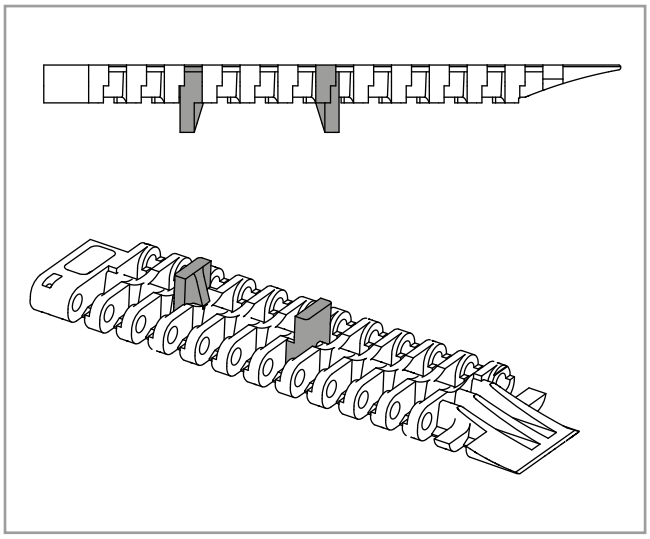
Material of the belt	Material of the rod	Belt strength (kg)	Temperature range (°C)	Lineal meter weight (kg)	Available colours in stock
AC - Polyacetal	PP - Polypropylene	270	+1 to +90	1.13	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

TRANSFERENCES WITH BELT





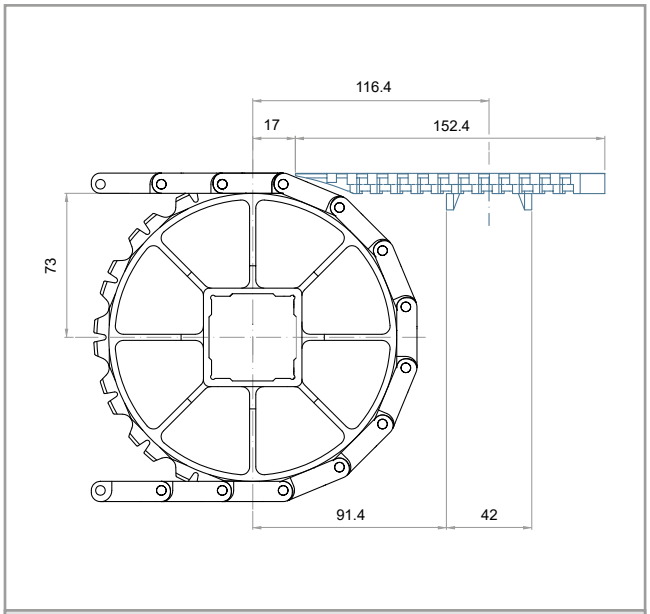
The EUROBELT belts of only one module are more noiseless and lighter than the chain lines.

Their maintenance is considerably reduced as it is not necessary the use of any type of lubricant to obtain a good performance.

Using the Series 31 Lateral-Transfer Flat Top, dynamic and smooth lateral transferences can be carried out with no need of finger plates.

With one of its edges bevelled we manage to bring nearer the belts taking part in the transference, whereas the lower guides keep the belt aligned.

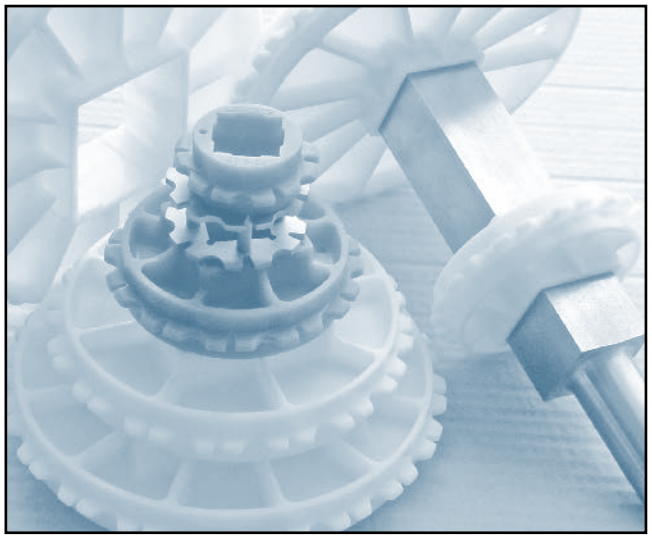
It has been designed for those applications in which we want to avoid the retention of containers in the transference area as well as to achieve more efficiency in their movement.

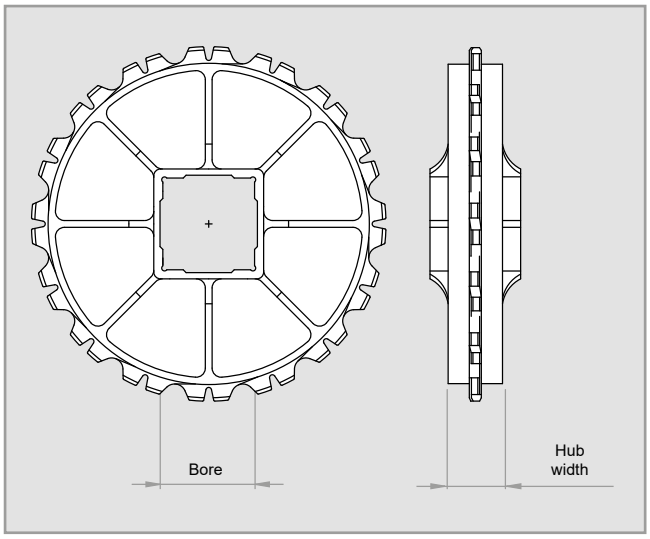


DESIGN DATA

[Dimensions in mm]

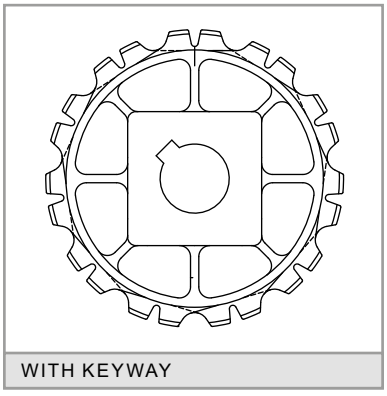
ACCESSORIES [SPROCKETS]



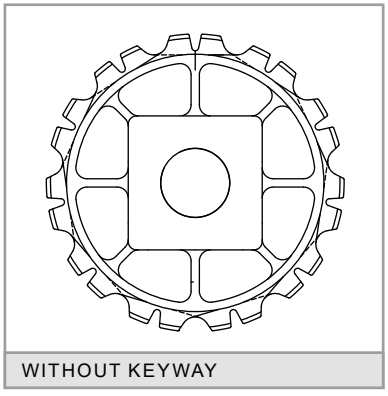


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
6	This sprocket diameter can not be used with this belt.				Polypropylene Polyacetal Stainless steel
9	87.7	25 40	1” 1.5"	24	
11	106.5	40	1.5"	40	
16	153.5	40 60	1.5" 2.5"	40	
20	191.5	40 60 90	1.5"	40	

SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

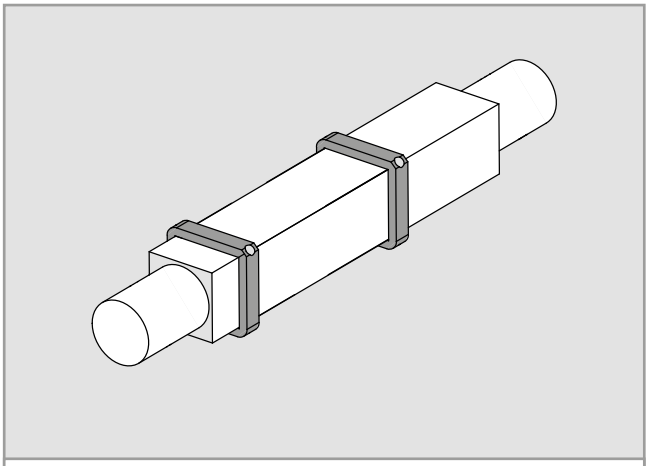
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

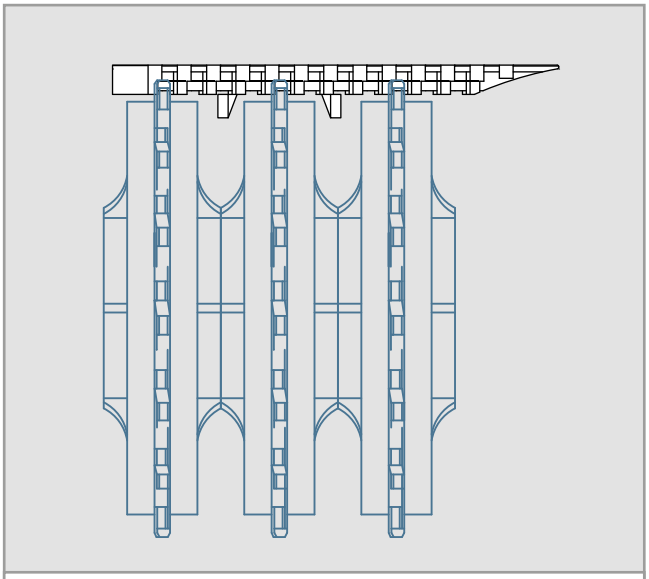
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



RETAINING RINGS



INSTALLATION

SERIES E32

FLAT TOP

BELT WIDTH

82.5 MM

114.3 MM

152.4 MM

190.5 MM

BELT WIDTH

82.5 MM

152.4 MM

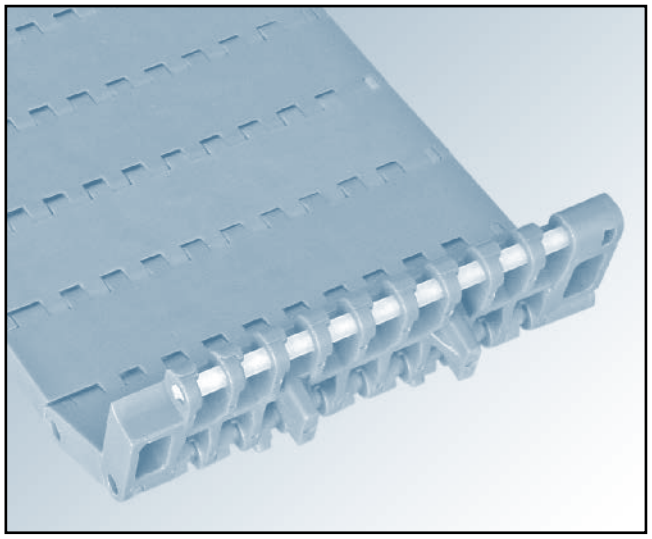
190.5 MM

114.3 MM

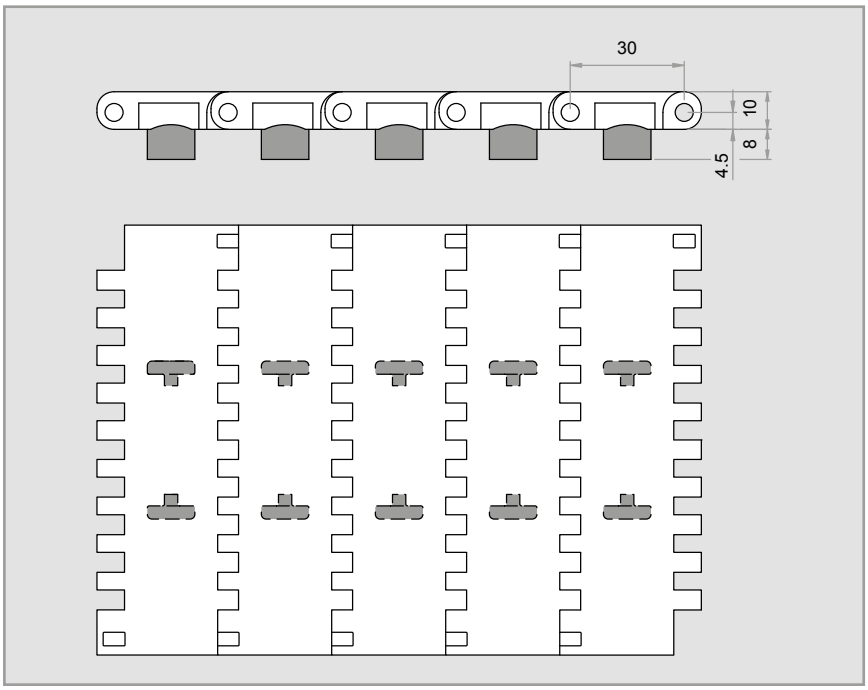
SERIES E32

FLAT TOP

SERIES E32 FLAT TOP



Pitch	30 mm
Surface	Flat Top
Open area	0 %
Thickness	10 mm
Lower guides	8 mm
Drive system	Central
Rod diameter	Ø 4.6 mm
Retention system	Cap
Available colours in stock	Blue

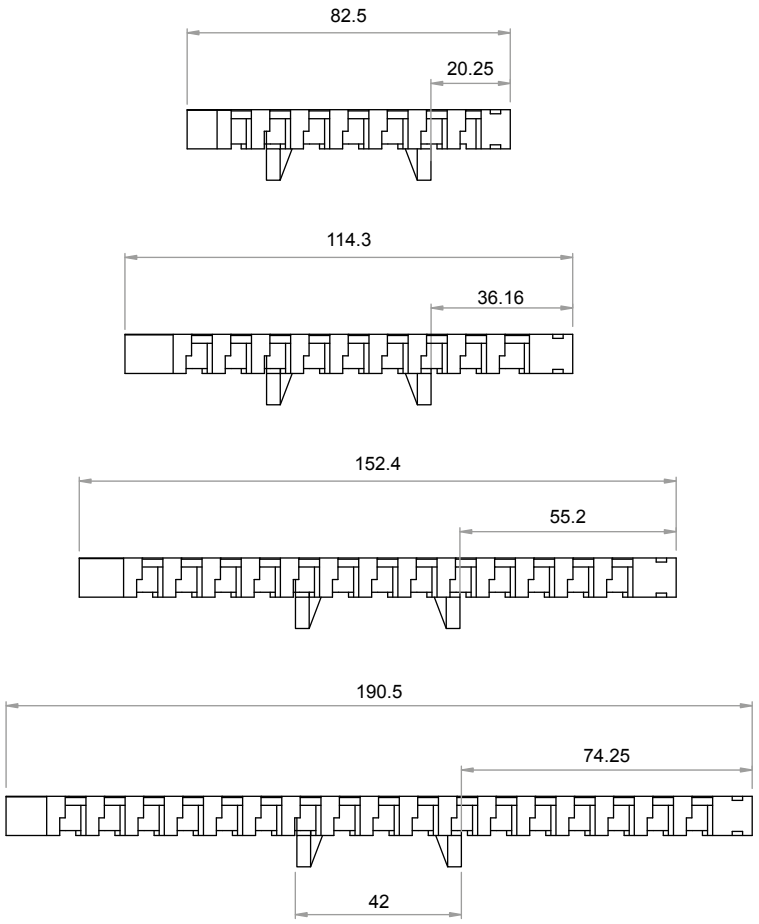


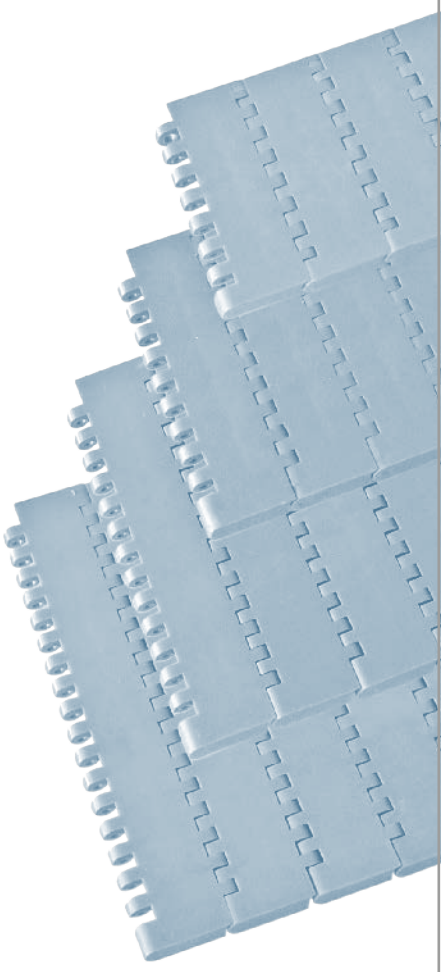
EUROBELT SERIES E32 has a 30 mm pitch and a mould-to-width geometry whose widths are 82.5, 114.3, 152.4, and 190.5 mm.

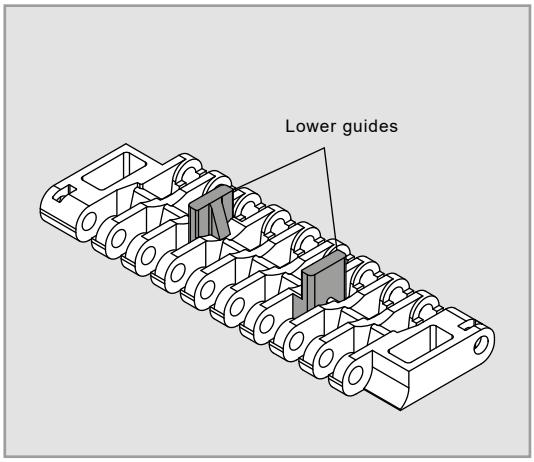
The EUROBELT E32 mould-to-width belts are much more noiseless and require smaller maintenance costs than the table-top belt lines. Moreover, not needing any type of lubricant for their normal working, their profitability is assured.

Belt width (mm)	Material of the belt	Material of the rod	Belt strength (kg)	Temperature range (ºC)	Lineal meter weight (kg)
82.5	AC - Polyacetal	PP - Polypropylene	180	+1 to +90	0.70
114.3			250		0.90
152.4			340		1.15
190.5			420		1.43

[Dimensions in mm]

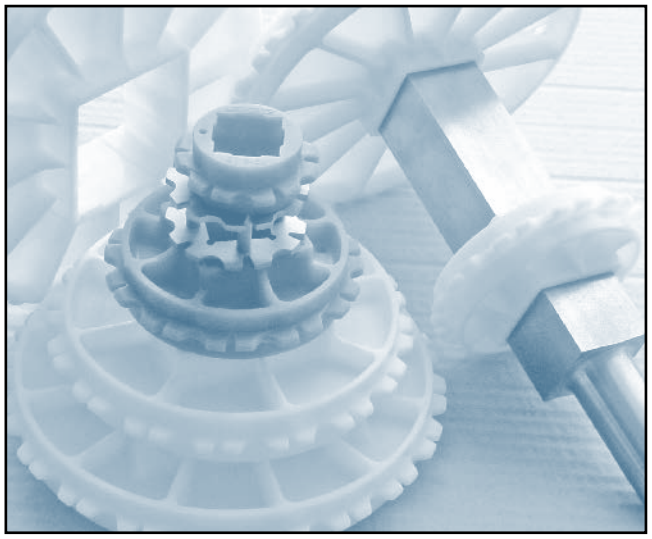


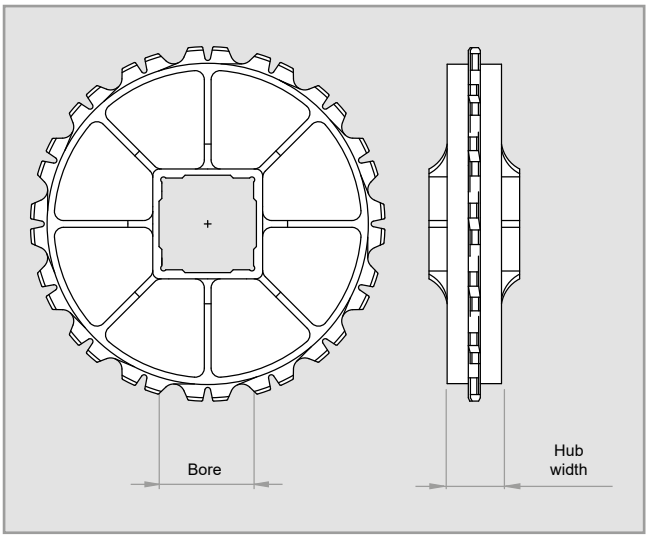




[Dimensions in mm]

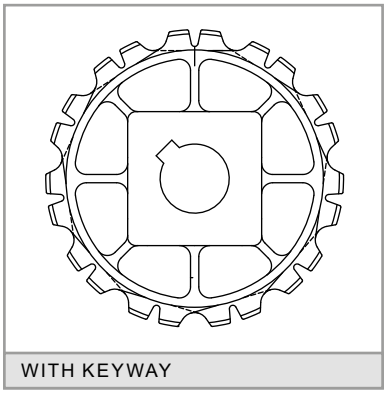
ACCESSORIES [SPROCKETS]



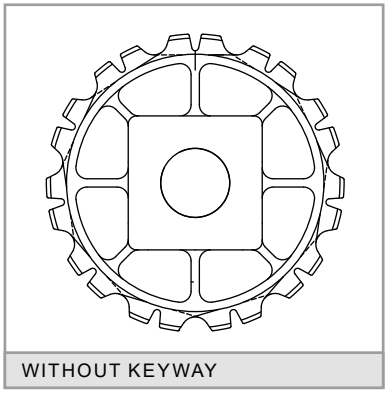


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
6	This sprocket diameter can not be used with this belt.				Polypropylene Polyacetal Stainless steel
9	87.7	25 40	1” 1.5"	24	
11	106.5	40	1.5"	40	
16	153.5	40 60	1.5" 2.5"	40	
20	191.5	40 60 90	1.5"	40	

SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

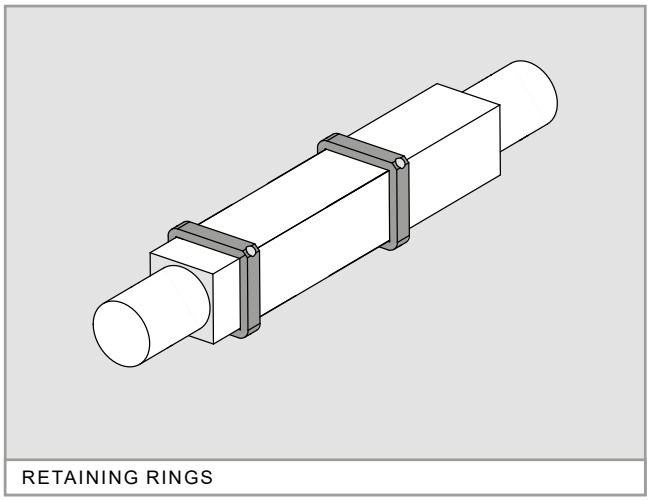
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

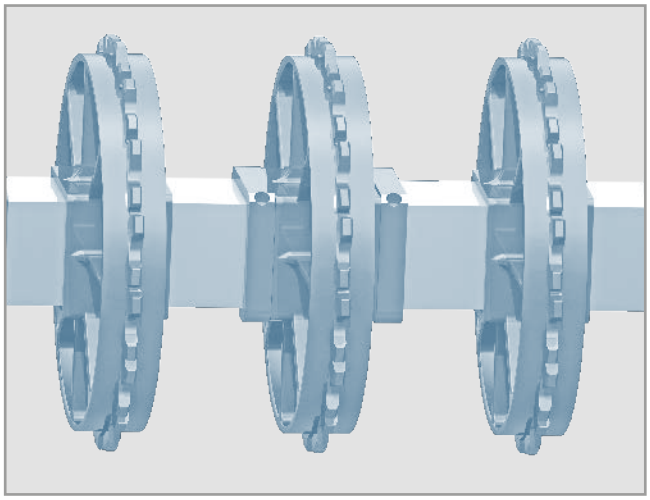
Provided the belt width allows us to do so, one sprocket, duly fixed by 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side without any fixing, so that they absorb the possible belt expansions and contractions.

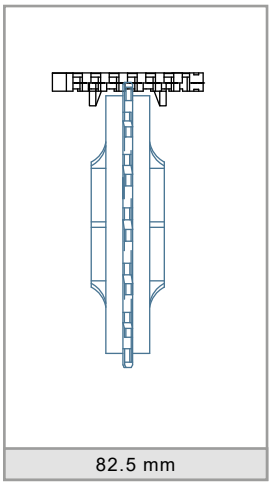
The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6

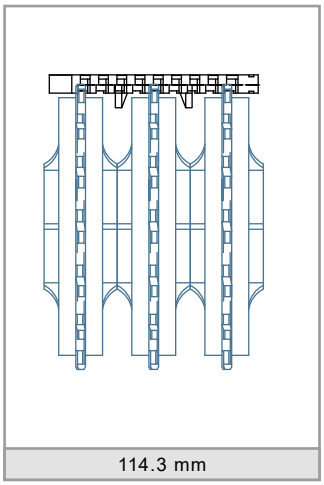


RETAINING RINGS

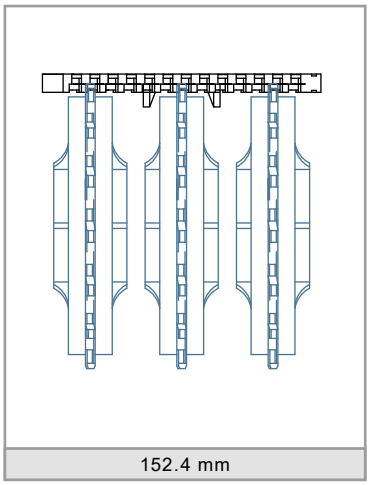




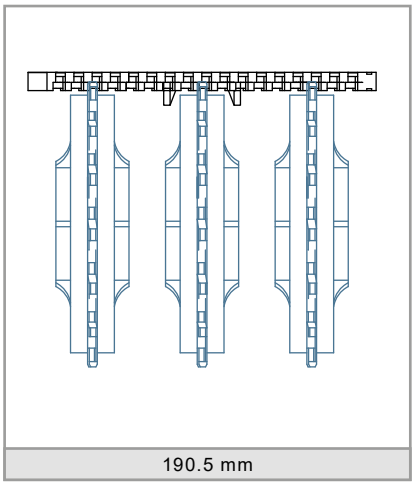
82.5 mm



114.3 mm



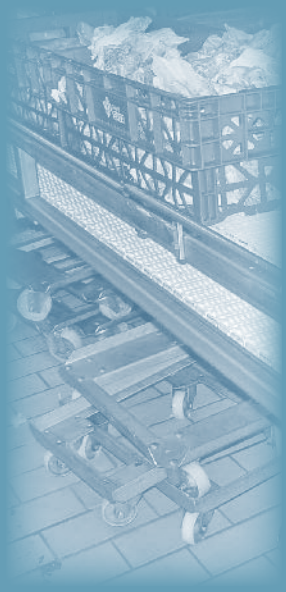
152.4 mm



190.5 mm

[Dimensions in mm]

SERIES E40



FLUSH GRID

FLAT TOP

SLIDING ROLLERS

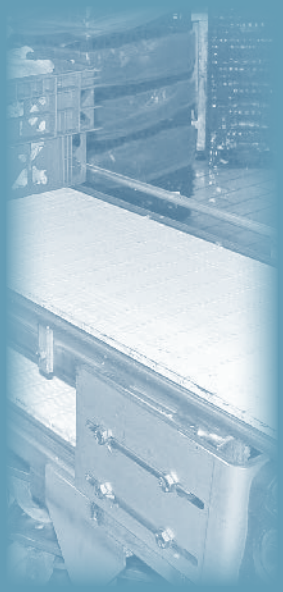
NON SLIP

FLUSH GRID

FLAT TOP

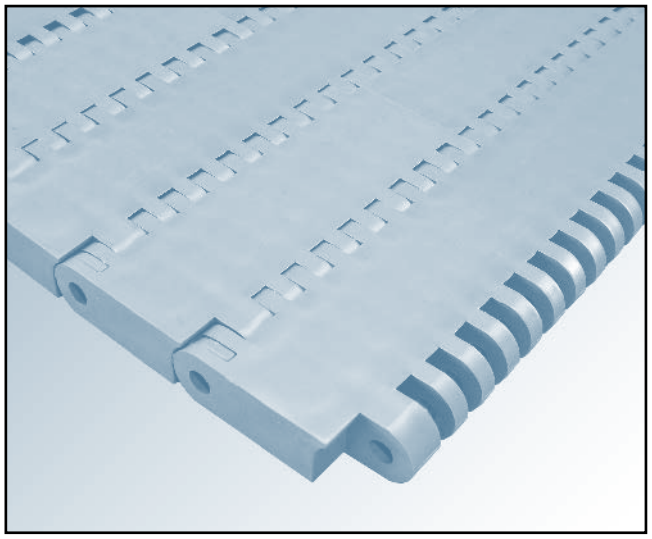
SLIDING ROLLERS

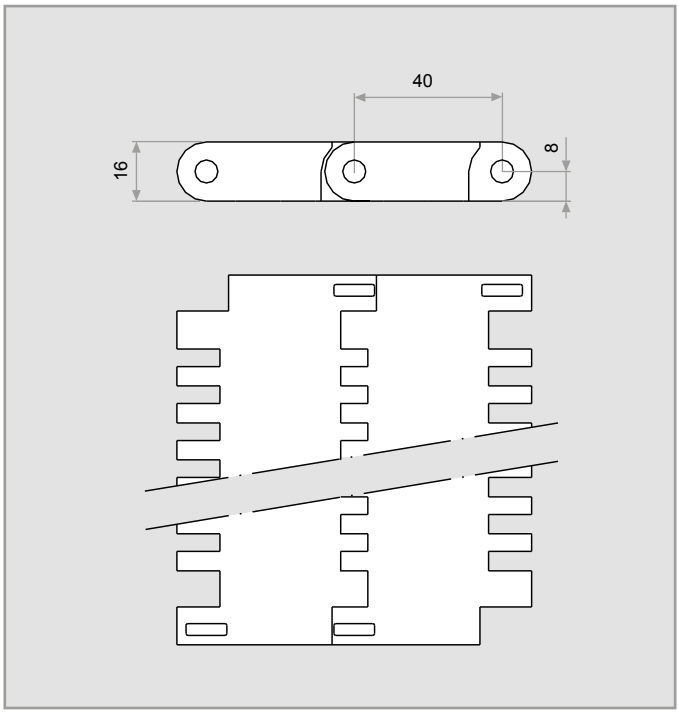
NON SLIP



SERIES E40

SERIES E40 FLAT TOP





Eurobelt Series E40 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.

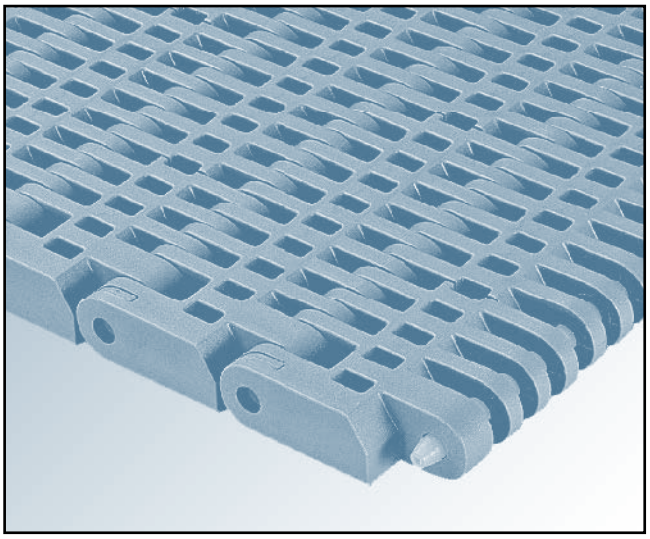
Pitch	40 mm
Surface	Flat Top
Open area	0 %
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 6 mm
Retention system	Cap

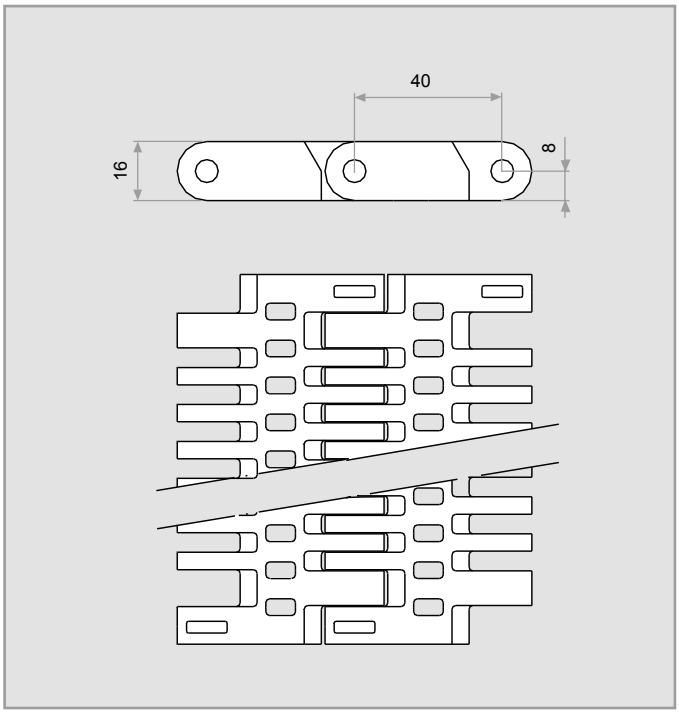
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	3,600	+1 to +104	11.01	[W] - [G]
PE - Polyethylene	PE - Polyethylene	2,730	-50 to +65	11.34	[N]
AC - Polyacetal	PP - Polypropylene	4,910	+1 to +90	16.42	[B]
	PE - Polyethylene	4,350	-40 to +65	16.72	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E40 FLUSH GRID





Eurobelt Series E40 Flush Grid has a grille-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.

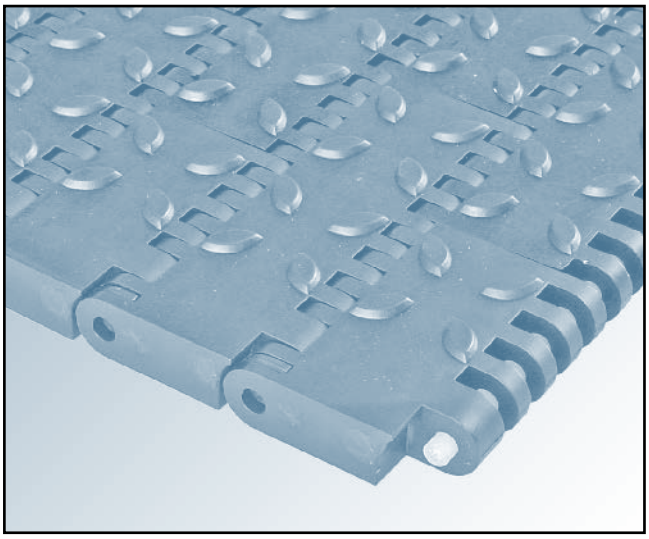
Pitch	40 mm
Surface	Flush Grid
Open area	14 %
Maximum opening (approx.)	[8 x 4.5] mm
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 6 mm
Retention system	Cap

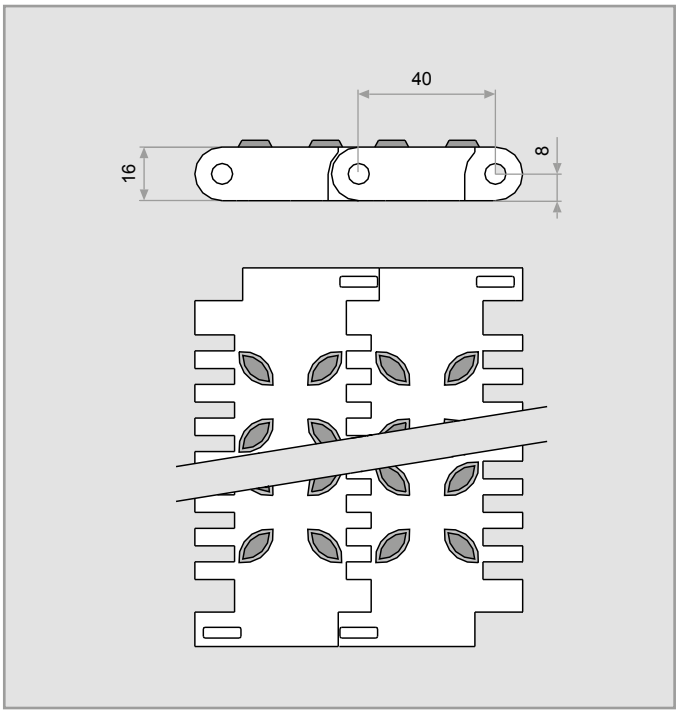
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	3,600	+1 to +104	11.06	[W] - [G]
PE - Polyethylene	PE - Polyethylene	2,700	-50 to +65	11.25	[N]
AC - Polyacetal	PP - Polypropylene	4,800	+1 to +90	16.05	[B]
	PE - Polyethylene	4,200	-40 to +65	16.35	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E40 NON SLIP





Eurobelt Series E40 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 car industry, for conveying people, furniture, electrical appliances, etc.

Pitch	40 mm
Surface	Non Slip
Open area	0 %
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PPE - Electrically Conductive Polypropylene (1)	PP - Polypropylene	3,600	+1 to +104	11.97	[O]
ACE - Electrically Conductive Polyacetal (1)		Ask for availability			

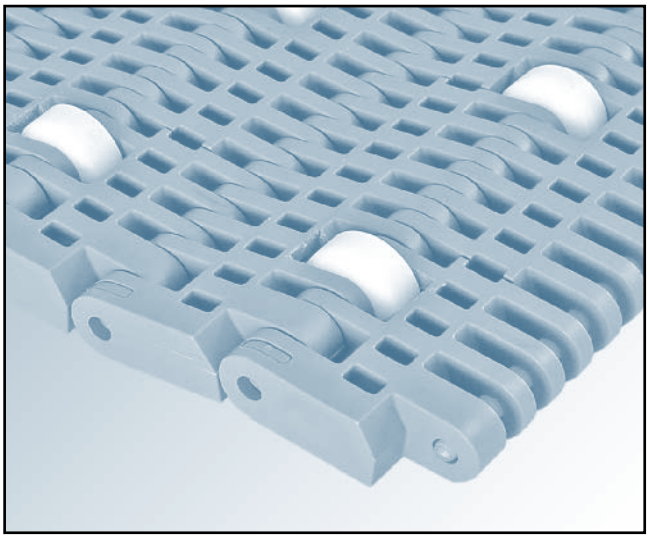
This conveyor belt is manufactured in conductive materials to disperse the electrostatic charges through the conveyor frame.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

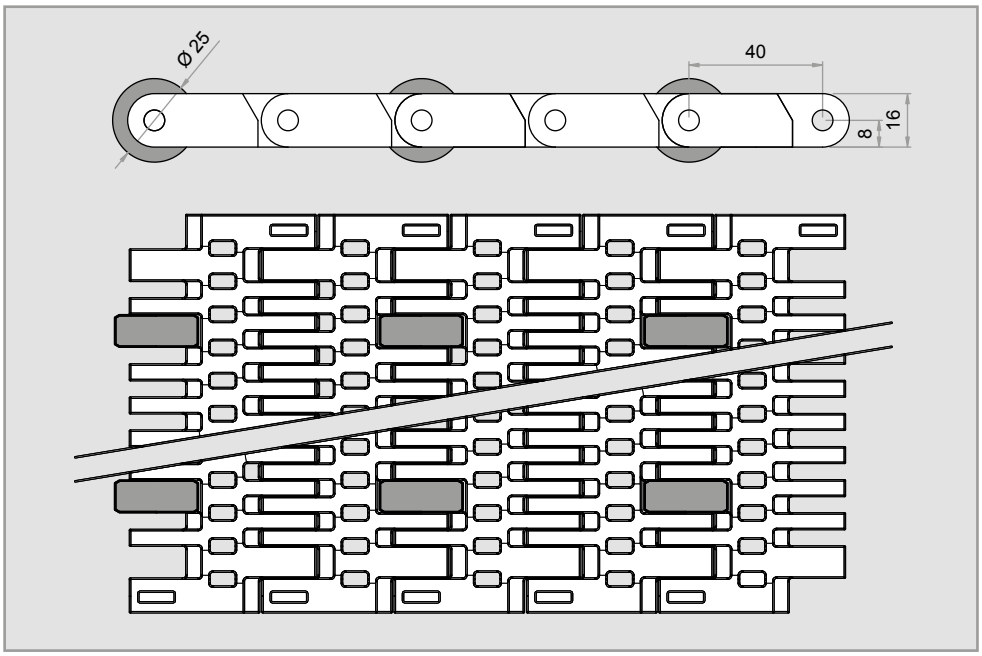
(1) *Unsuitable for direct contact with food.*

[Dimensions in mm]

SERIES E40 SLIDING ROLLERS



Pitch	40 mm
Surface	Sliding Rollers
Drive system	Hinge
Belt width	Multiples of 10 mm
Rod diameter	Ø 6 mm
Retention system	Cap
Diameter of small roller	Ø 25 mm
Width of small roller	10 mm
Material of small roller	Polyacetal
Sliding Rollers pitch	Multiples of 40 mm



Eurobelt Series E40 Sliding Rollers is provided with small rollers inserted on its surface that rotate around themselves whenever there is product accumulation, avoiding crushing and wear in the base of the product.

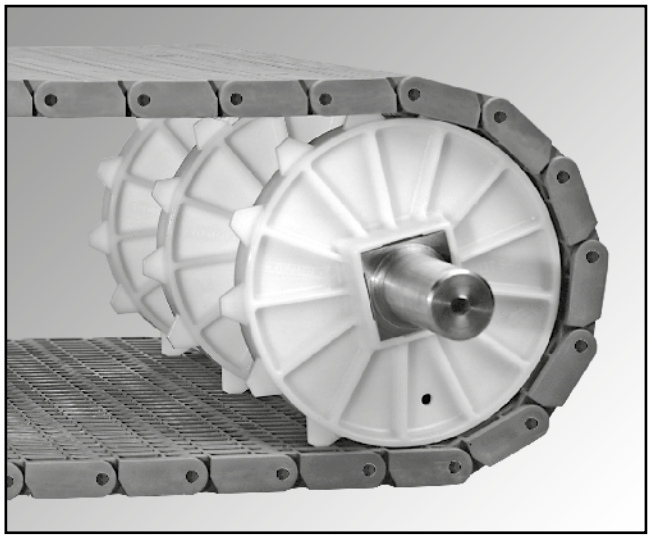
Surface of the belt	Belt standard material	Rod standard material	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Flush Grid	PP - Polypropylene	PP - Polypropylene	On Request	+1 to +104	[W] - [G]
	PE - Polyethylene	PE - Polyethylene		-50 to +65	[N]
	AC - Polyacetal	PP - Polypropylene		+1 to +90	[B]
		PE - Polyethylene		-40 to +65	[B]

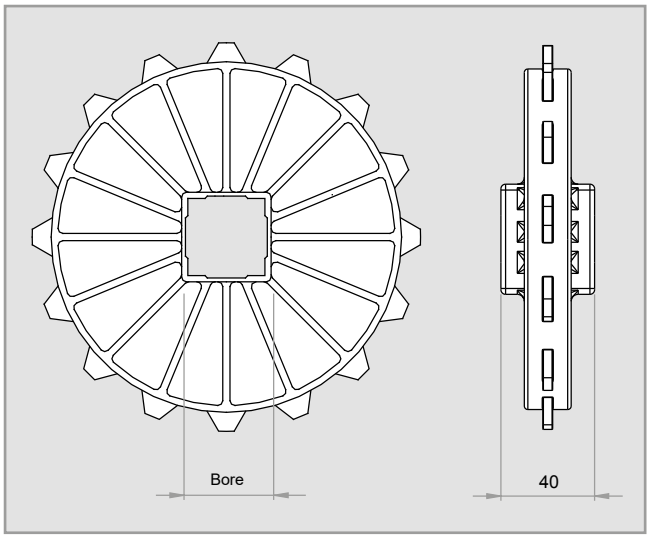
This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

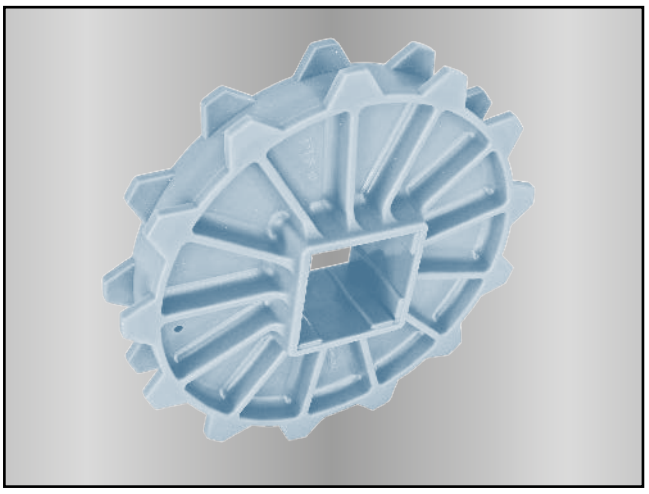
ACCESSORIES [SPROCKETS]





Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
8	104.5	40	1.5"	40	Polypropylene Polyacetal Stainless steel
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	

DOUBLE-TOOTHED SPROCKET

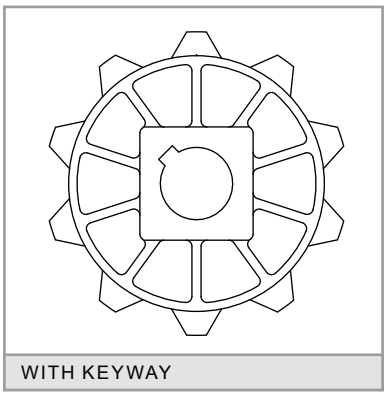


Nº of teeth T	13
Ø Pitch	167.1
Bore for square shaft (mm)	40 60
Bore for square shaft (inch)	1.5" 2.5"
Hub width	40
Materials	Polypropylene Polyacetal

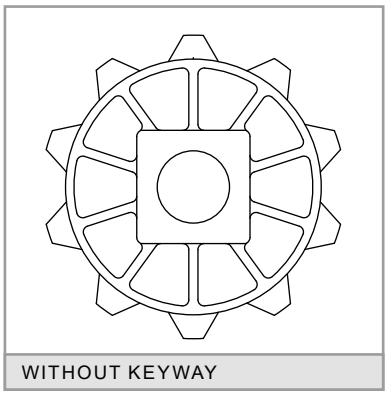
[Dimensions in mm]

ACCESSORIES [[SPROCKETS AND RETAINING RINGS]

SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY

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.

INSTALLATION

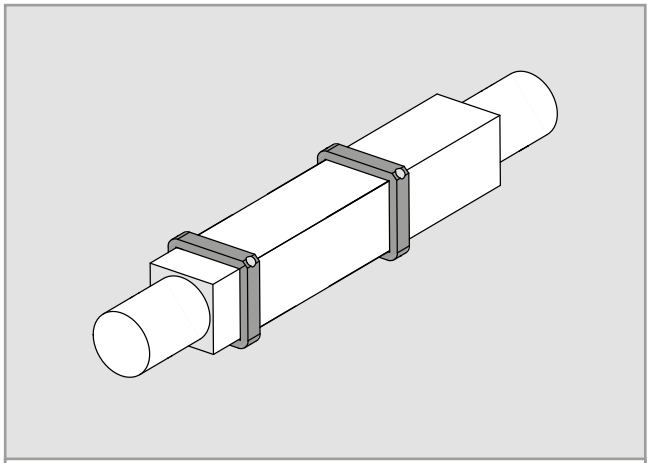
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

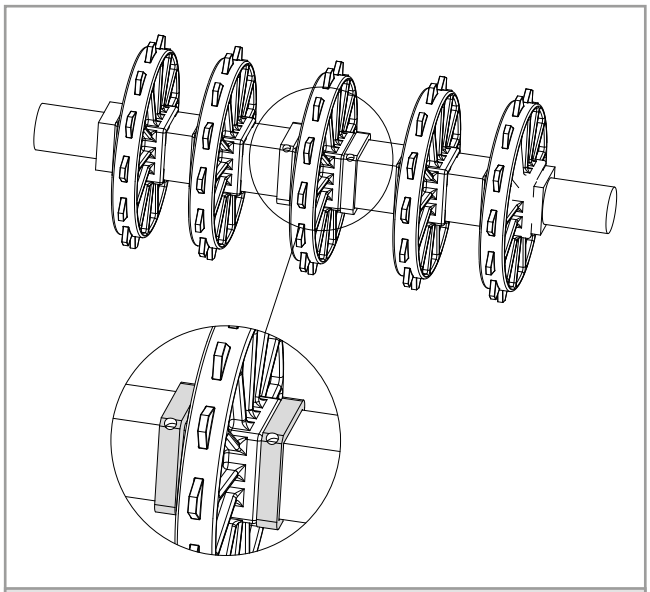
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



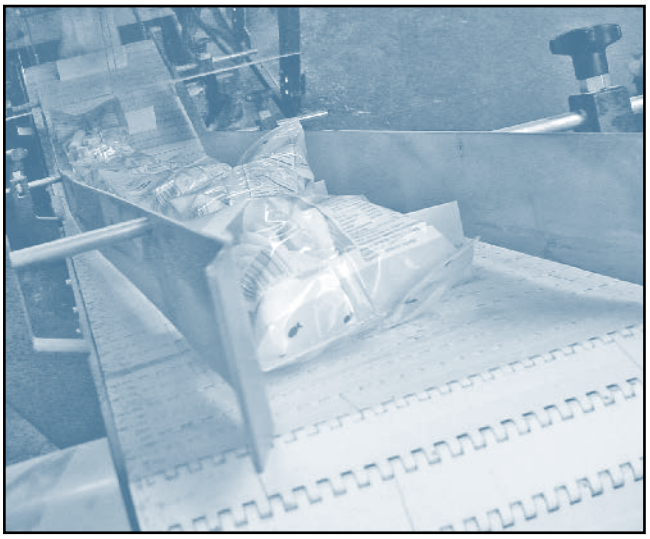
RETAINING RINGS



CENTRAL SPROCKET

[Dimensions in mm]

ACCESSORIES [FLIGHTS AND SIDE GUARDS]



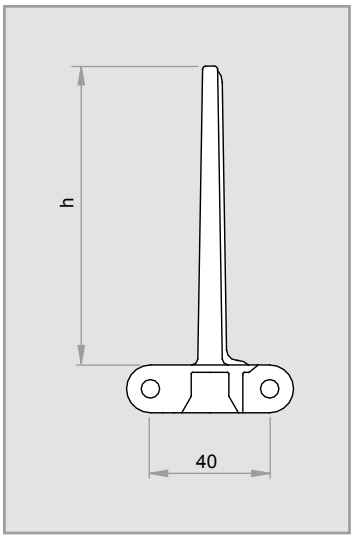
The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

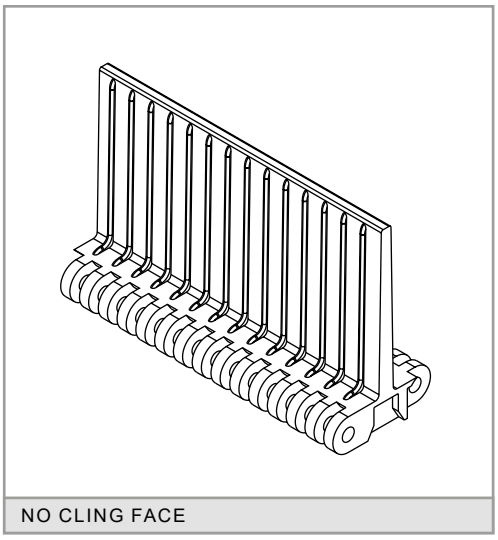
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

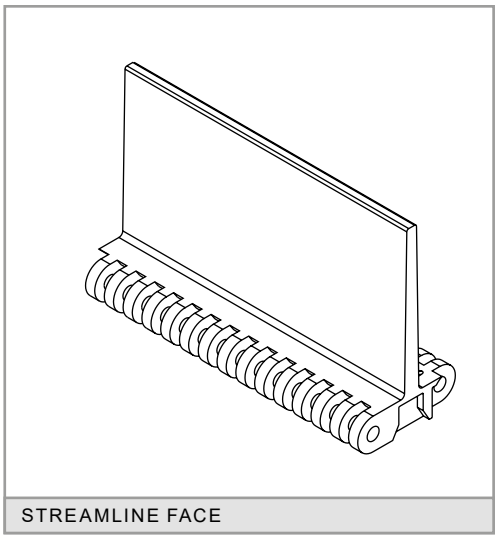
It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHT [STREAMLINE + NO CLING]





NO CLING FACE

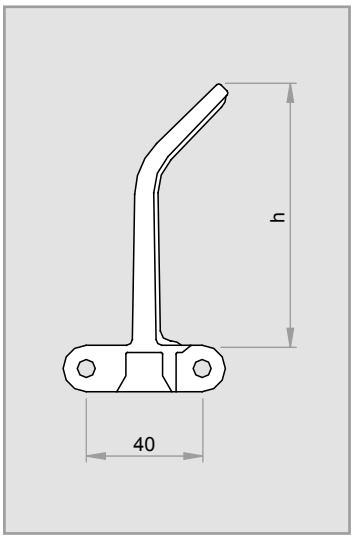


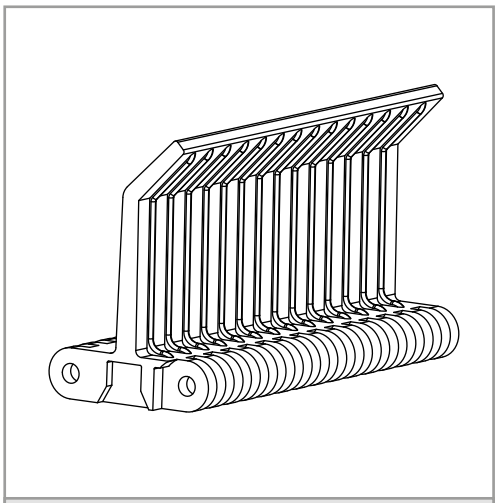
STREAMLINE FACE

Accessories	Height (h)	Materials
Straight flight	25 50 75 100	Polypropylene Polyethylene Polyacetal

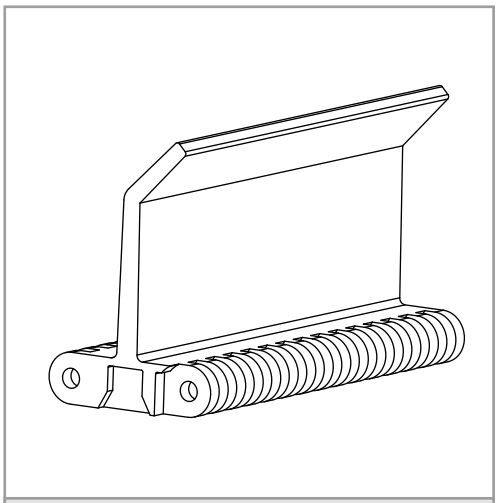
[Dimensions in mm]

BENT FLIGHT





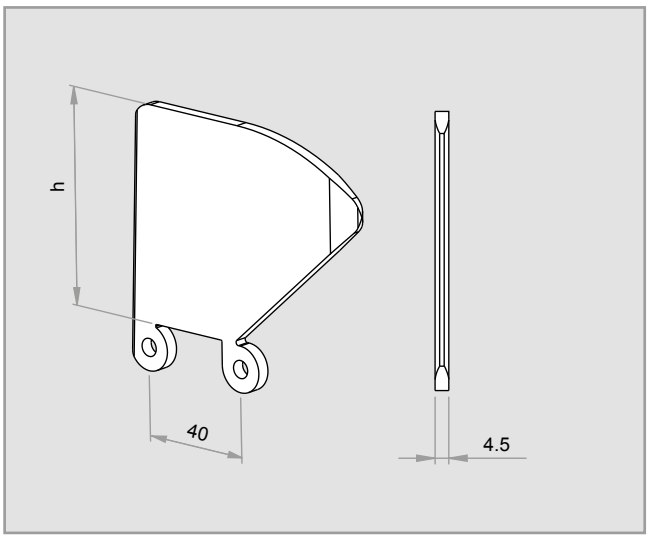
NO CLING

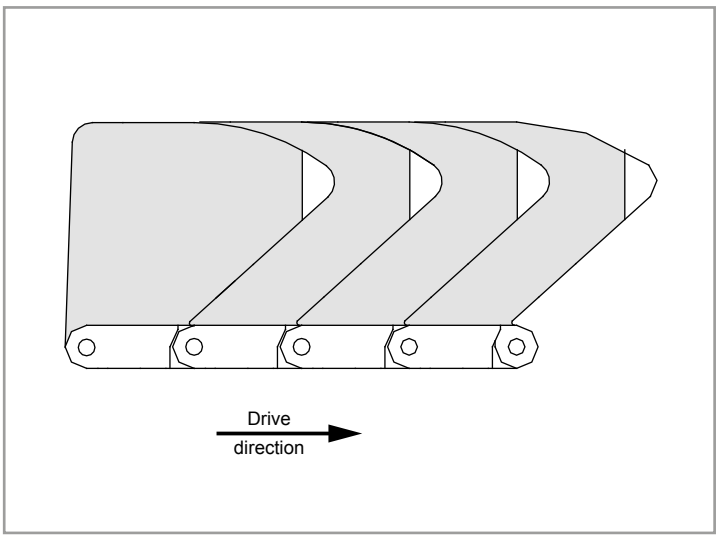


STREAMLINE

Accessories	Height (h)	Materials
Bent Flight	45	Polypropylene
	70	Polyethylene
	90	Polyacetal

SIDE GUARDS



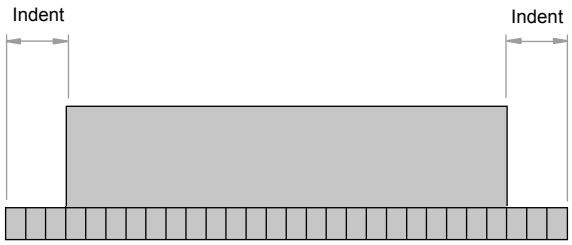


Accessories	Height (h)	Materials
Side guards	50	Polypropylene
	75	Polyethylene
	100	Polyacetal

[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

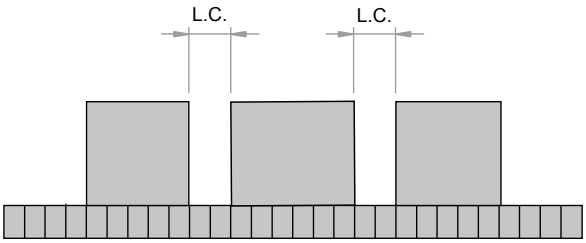
BELT ONLY WITH FLIGHTS



Indent = Multiples of 10 mm (30 mm the minimum)[1].

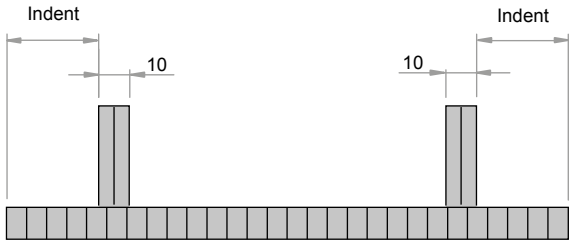
Distance between flights = Multiples of 80.

BELT WITH LONGITUDINAL CUTS



Flight longitudinal cut = increment of 10 mm (minimum 30 mm)

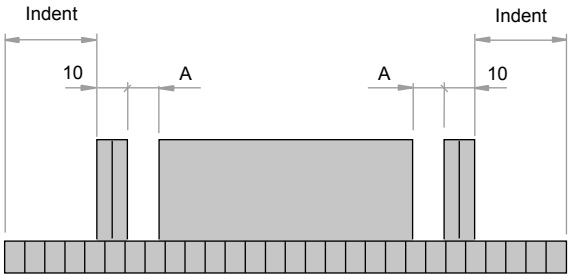
BELT ONLY WITH SIDE GUARDS



Indent = Multiples of 10 mm (30 mm the minimum).

Multiples of 10 + 5 mm (35 mm the minimum).

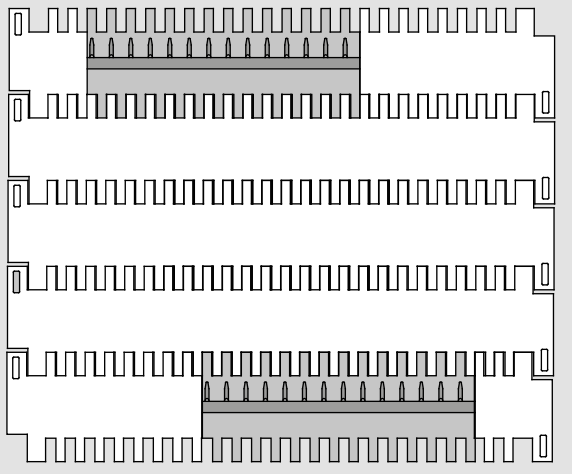
BELT WITH FLIGHTS AND SIDE GUARDS



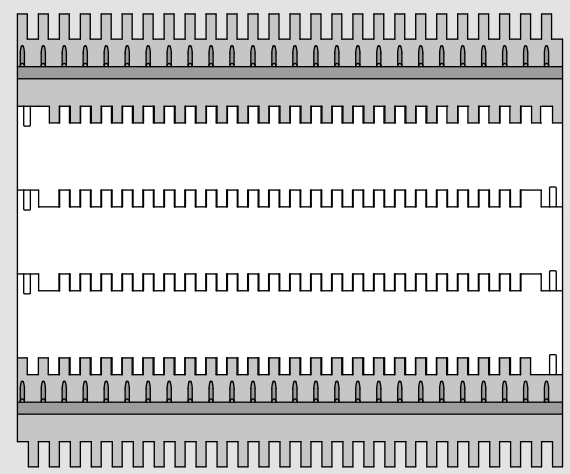
Indent = Multiples of 10 mm (30 mm the minimum). A= 10 mm

Multiples of 10 + 5 mm (35 mm the minimum). A= 5 mm

BELT WITH ZIGZAG FLIGHTS



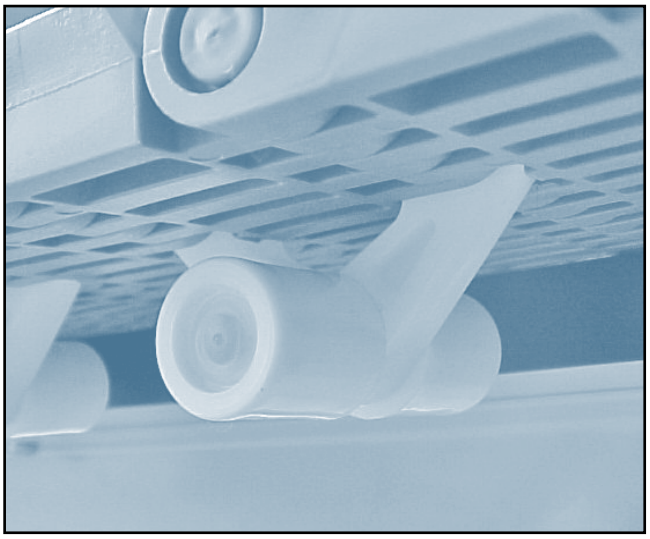
BELT WITH FLIGHTS, WITHOUT INDENT

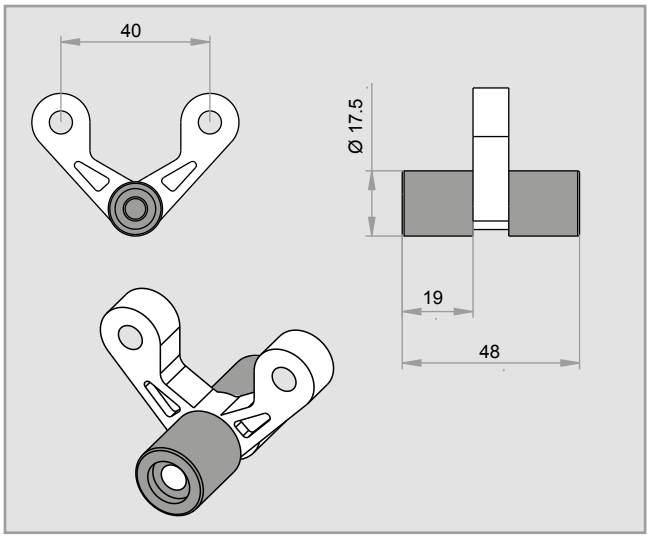


[1] Ask for the possibility of shaping your belt with a smaller indent than that recommended.

[Dimensions in mm]

ACCESSORIES [HOLD-DOWN ROLLERS]





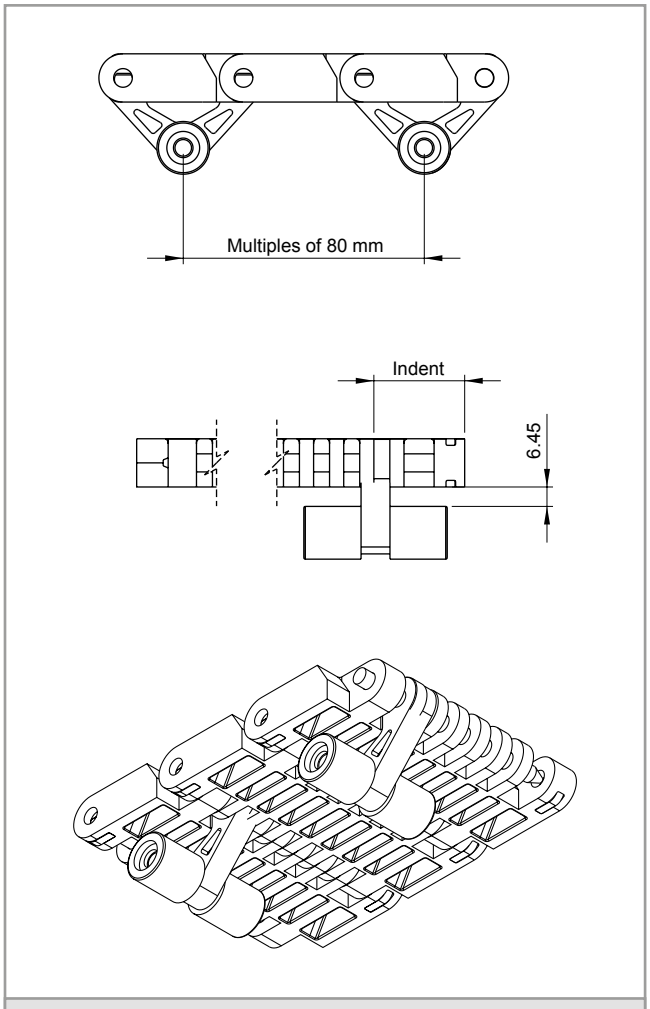
They are used to fasten the belt to the conveyor in all the inflexions.

In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 5 mm. Hold-down rollers cannot be used with the following sprockets:

Nº of teeth T	Bore for square shaft
8	40
10	60

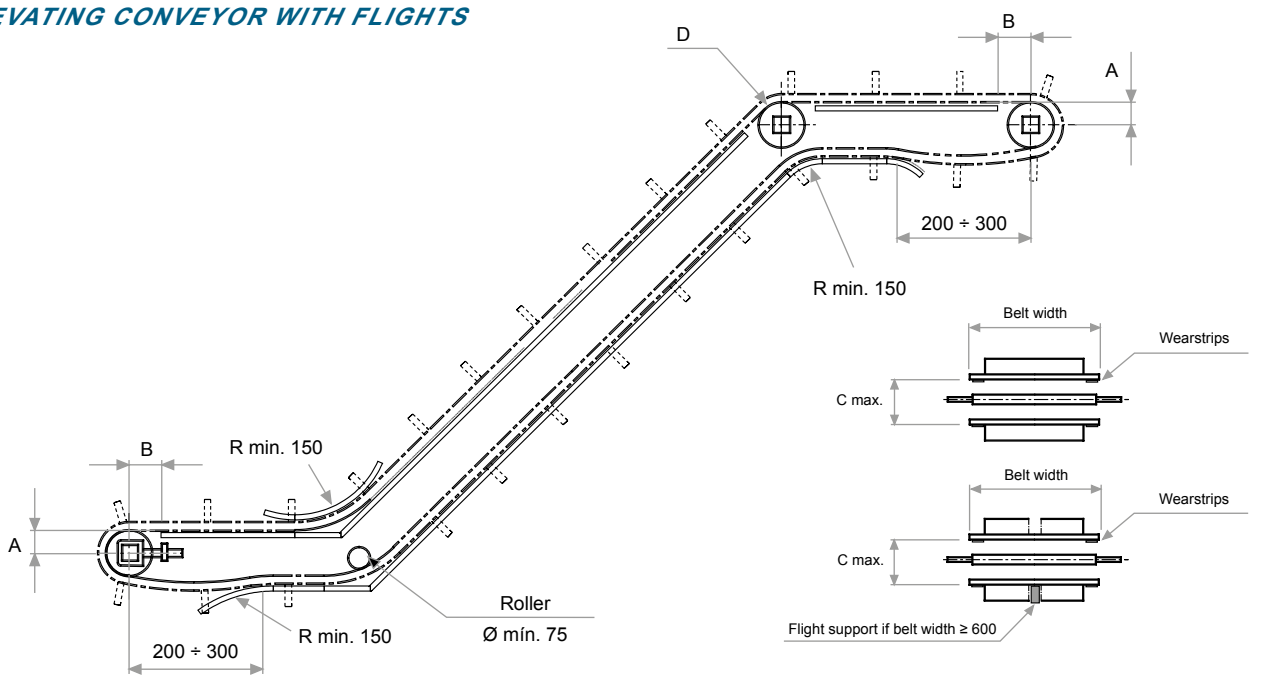


DESIGN DATA

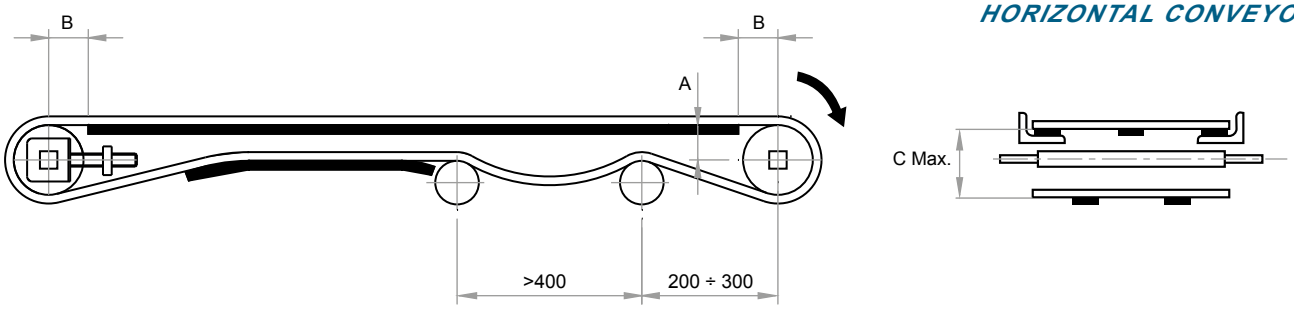
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
8	104.5	43	45	105
10	129.4	56	55	130
13	167.1	75	70	165
13D	167.1	75	70	165
16	205	94	80	205
20	255.7	120	90	255

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
60	150	1	2	2
160	450	3	2	2
460	750	5	3	2
760	1,050	7	5	3
1,060	1,350	9	6	4
1,360	1,650	11	7	5
1,660	1,950	13	9	6
1,960	2,250	15	10	7
2,260	2,550	17	11	8
2,560	2,850	19	12	9
2,860	3,150	21	14	10
3,160	3,450	23	15	11
3,460	3,750	25	16	12
3,760	4,050	27	18	13

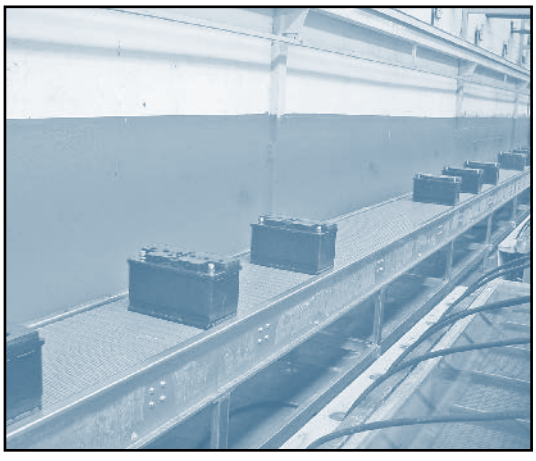
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This amount must always be odd.

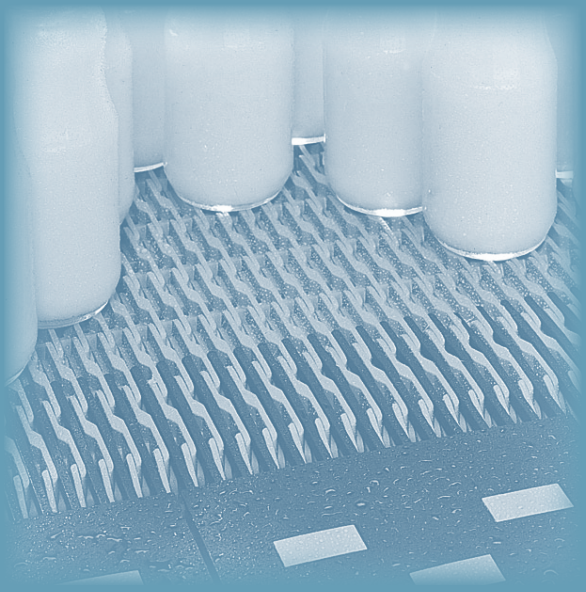
To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

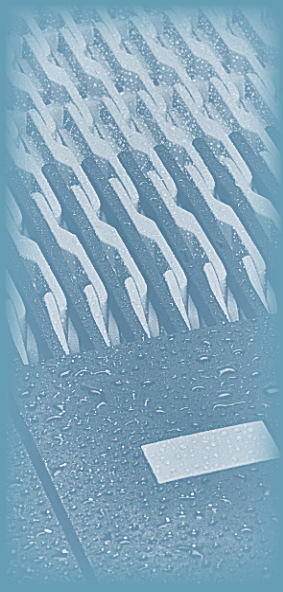
The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.

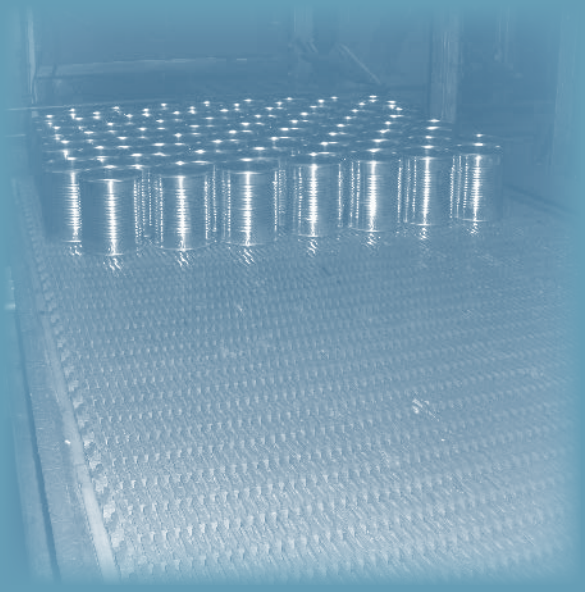


SERIES E41

RAISED RIB



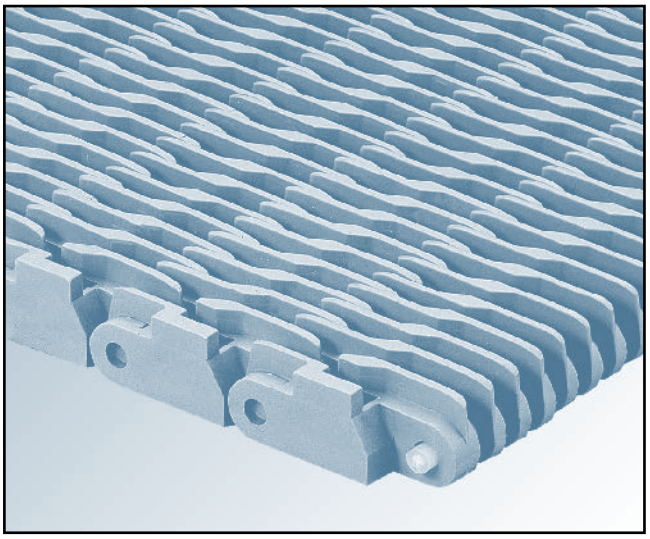


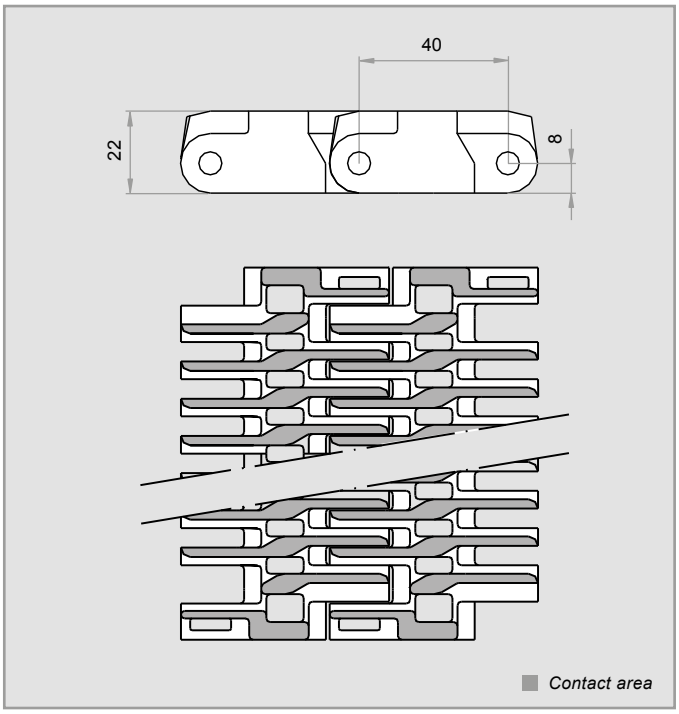


SERIES E41

RAISED RIB

SERIES E41 RAISED RIB





Eurobelt Series E41 Raised Rib conveyor belt, given its configuration of projecting ribs, enables us to make product transfers by using finger plates.
The central reinforcement of the ribs allows the lateral entrance of cans, glass jars, or containers in general, avoiding their overturning as well as any damage in the belt surface.

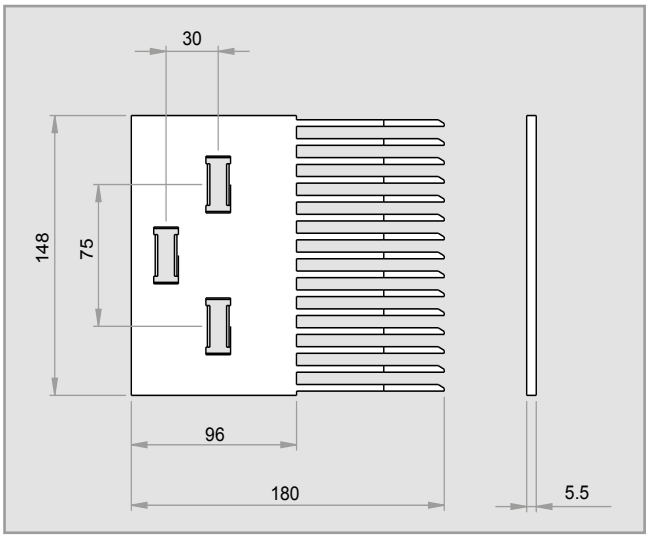
Pitch	40 mm
Surface	Raised Rib
Open area	25 %
Contact area	31 %
Maximum opening (approx.)	[10 x 7.5] mm
Thickness	22 mm
Drive system	Central
Belt width	Multiples of 10 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	3,600	+1 to +104	12.03	[G]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

ACCESSORIES [FINGER PLATES]



They have been designed to be used with the Raised Rib belts in applications in which it is necessary to transfer the product by means finger plates.

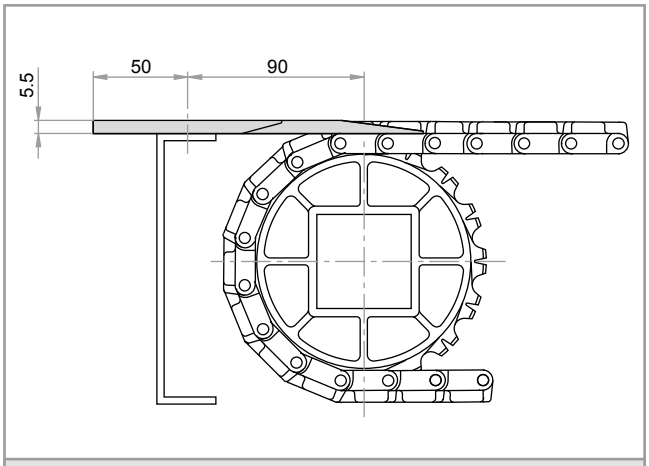
The finger plates are manufactured in nylon and acetal. They have 15 teeth that hide among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

They have three fastening holes that enable little displacements to achieve a better coupling with the belt.

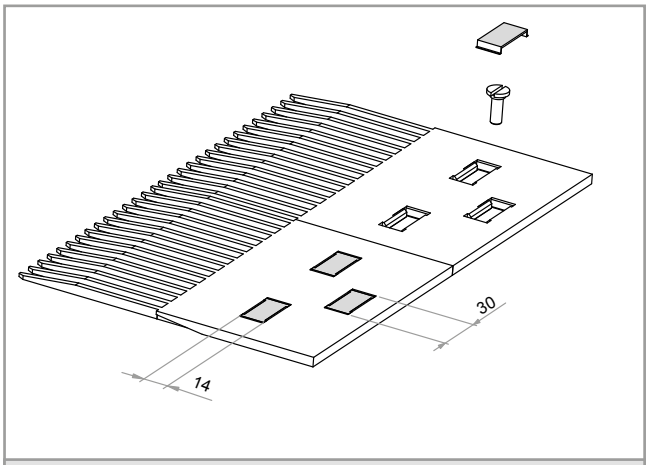
Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

The finger plates can be easily installed in the structure of the conveyor putting a screw in each hole. The dimensions of these screws are: M 6 x 19 mm.

Materials / Colours	Nº of teeth	Nº of holes
Nylon / Black	15	3
Polyacetal / Grey		



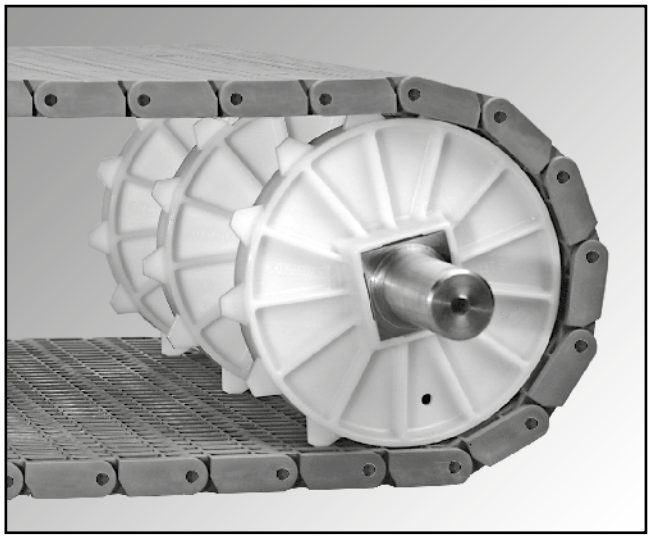
DESIGN DATA

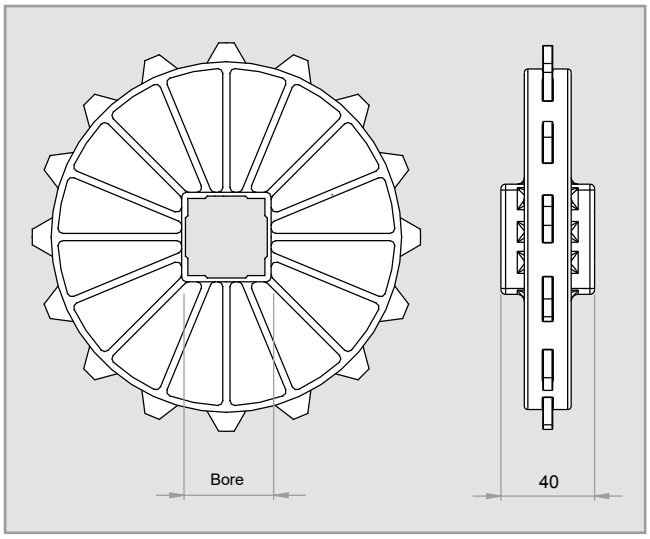


INSTALLATION

[Dimensions in mm]

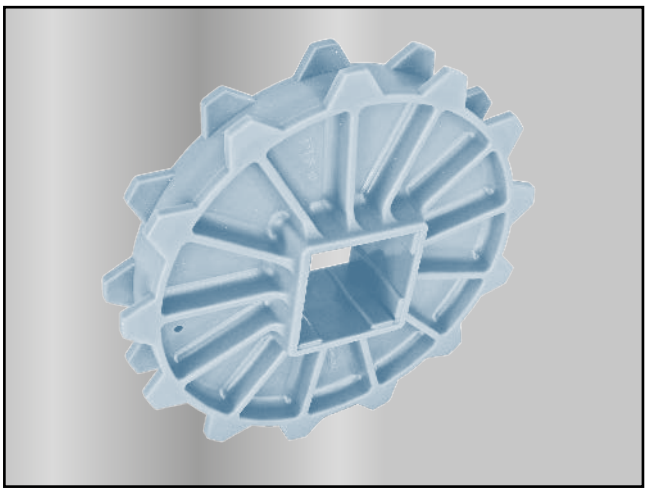
ACCESSORIES [SPROCKETS]





Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
8	104.5	40	1.5"	40	Polypropylene Polyacetal Stainless steel
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	

DOUBLE-TOOTHED SPROCKET

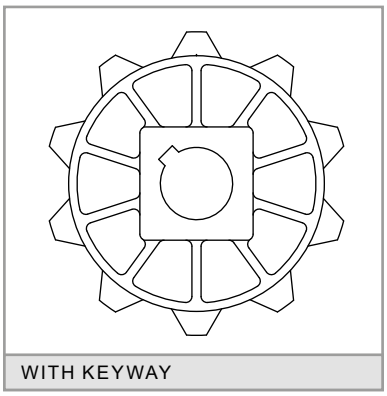


Nº of teeth T	13
Ø Pitch	167.1
Bore for square shaft (mm)	40 60
Bore for square shaft (inch)	1.5" 2.5"
Hub width	40
Materials	Polypropylene Polyacetal

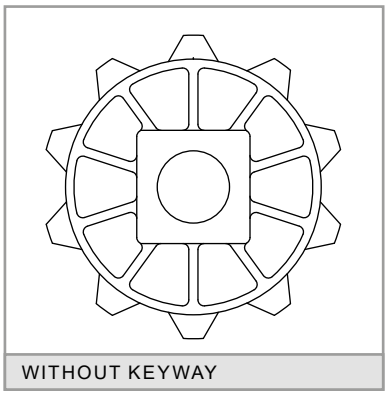
[Dimensions in mm]

ACCESSORIES [[SPROCKETS AND RETAINING RINGS]

SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY

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.

INSTALLATION

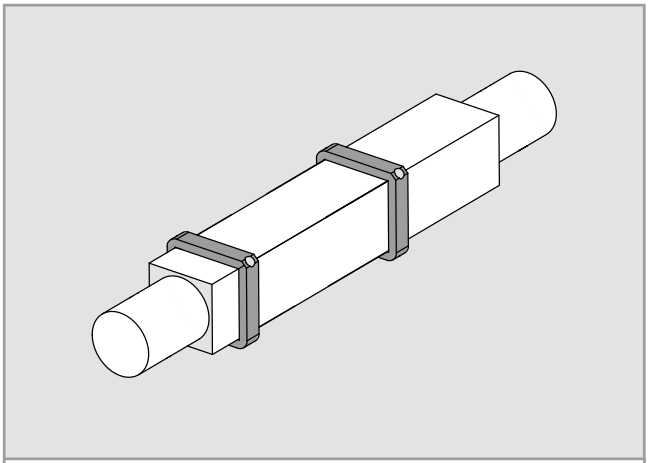
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

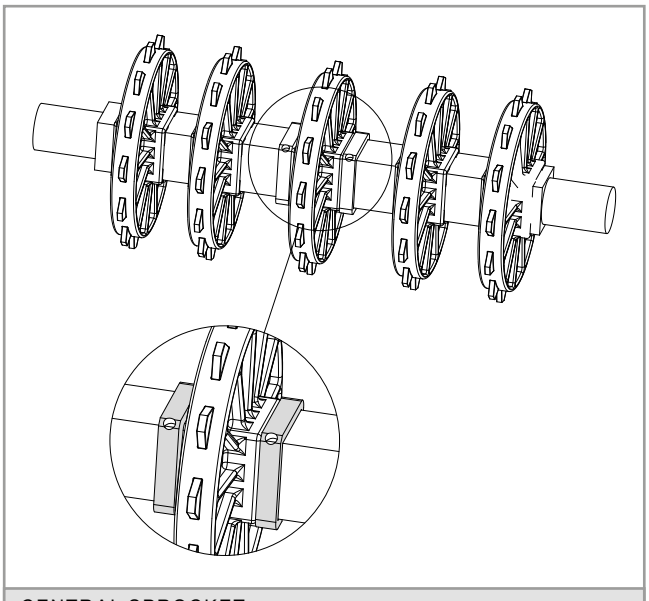
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



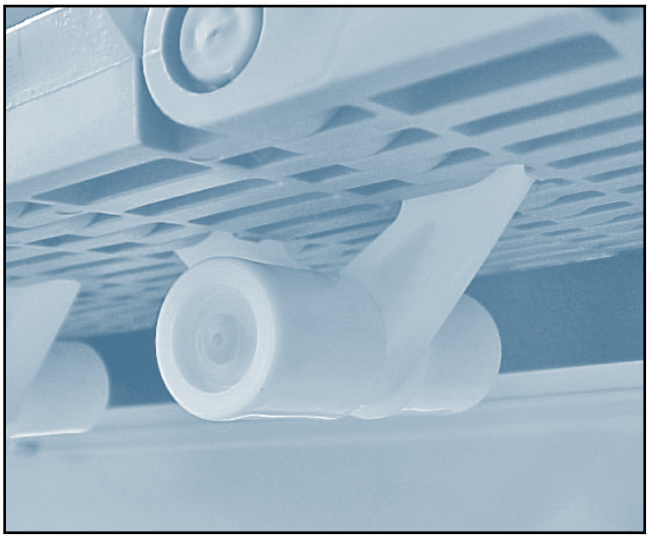
RETAINING RINGS

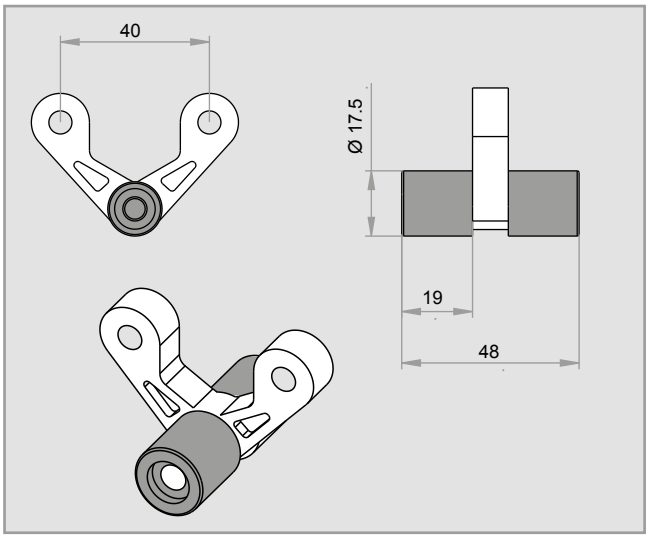


CENTRAL SPROCKET

[Dimensions in mm]

ACCESSORIES [HOLD-DOWN ROLLERS]





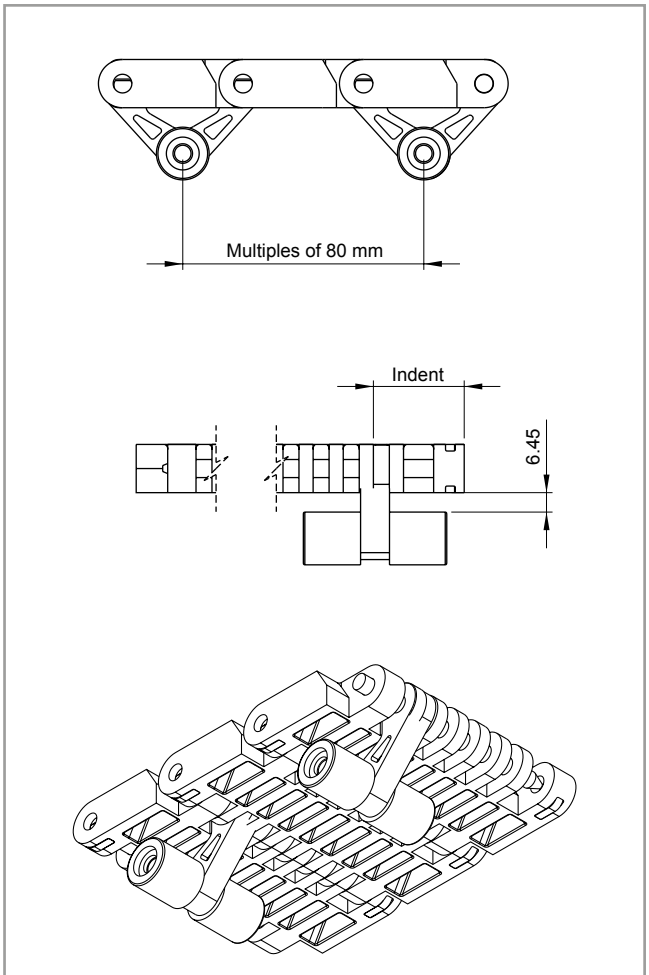
They are used to fasten the belt to the conveyor in all the inflexions.

In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 5 mm. Hold-down rollers cannot be used with the following sprockets:

Nº of teeth T	Bore for square shaft
8	40
10	60

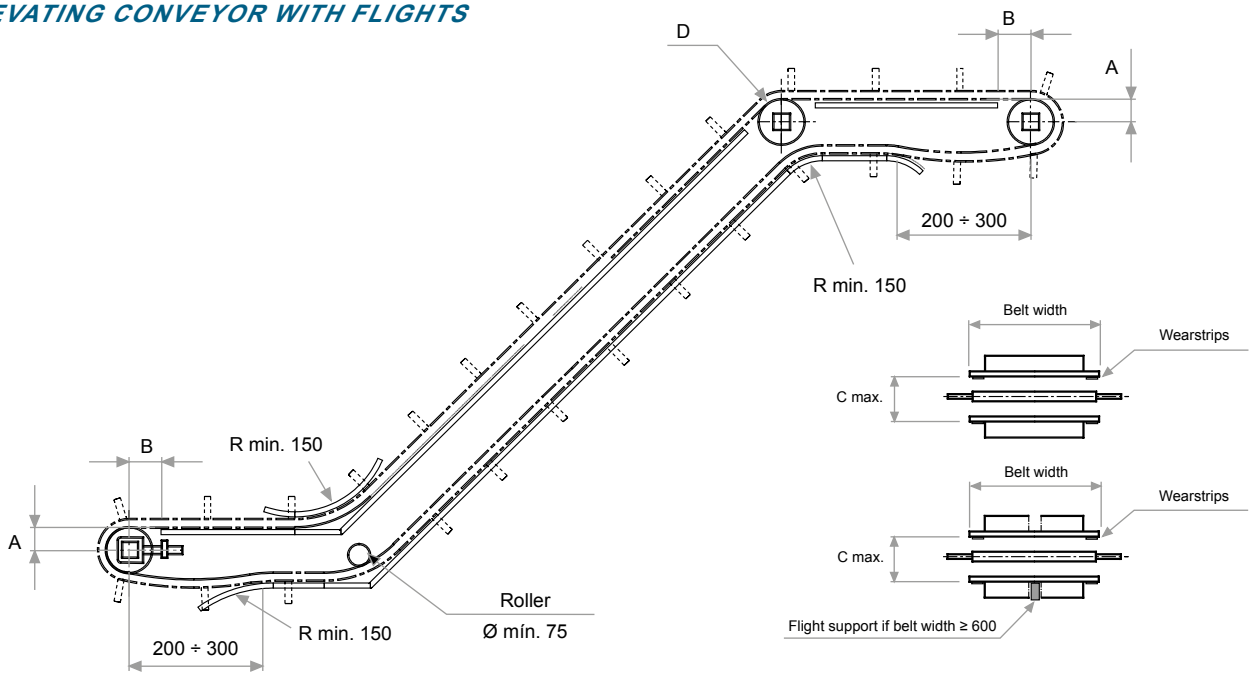


DESIGN DATA

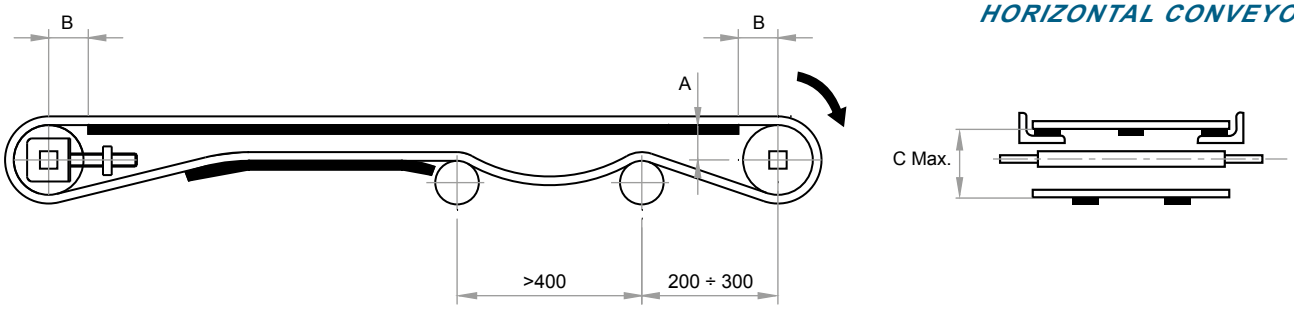
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
8	104.5	43	45	105
10	129.4	56	55	130
13	167.1	75	70	165
13D	167.1	75	70	165
16	205	94	80	205
20	255.7	120	90	255

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
60	150	1	2	2
160	450	3	2	2
460	750	5	3	2
760	1,050	7	5	3
1,060	1,350	9	6	4
1,360	1,650	11	7	5
1,660	1,950	13	9	6
1,960	2,250	15	10	7
2,260	2,550	17	11	8
2,560	2,850	19	12	9
2,860	3,150	21	14	10
3,160	3,450	23	15	11
3,460	3,750	25	16	12
3,760	4,050	27	18	13

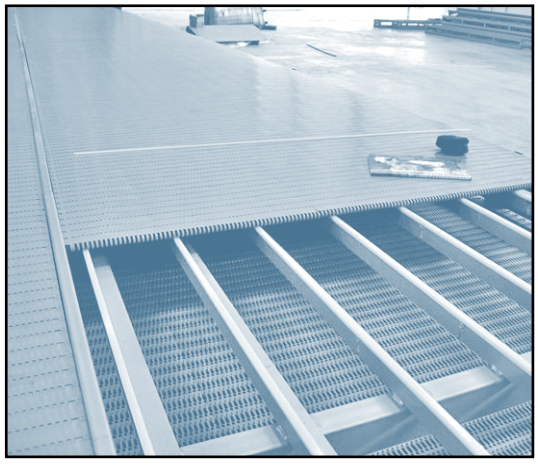
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.



[Dimensions in mm]

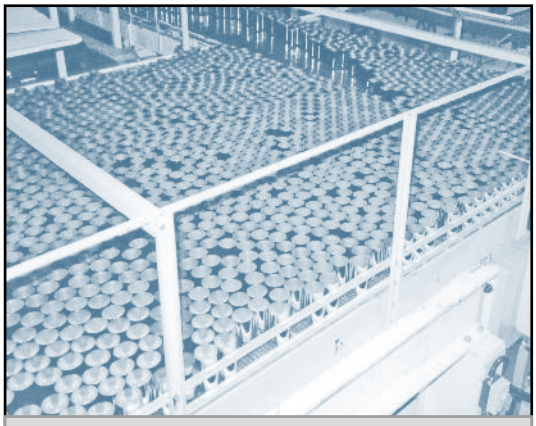
APPLICATIONS

ACCUMULATION TABLES

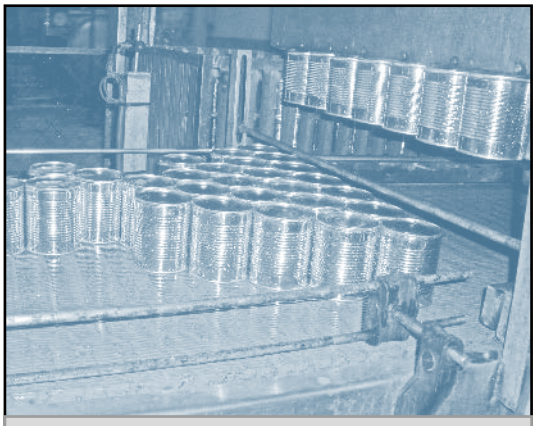
PASTEURISERS

ACCUMULATION TABLES

PASTEURISERS



ACCUMULATION TABLES



PALLETISERS

SERIES E50

KNURLED

CONIC FRICTION

CONIC

TRIAN FRICTION

SLIDING ROLLERS

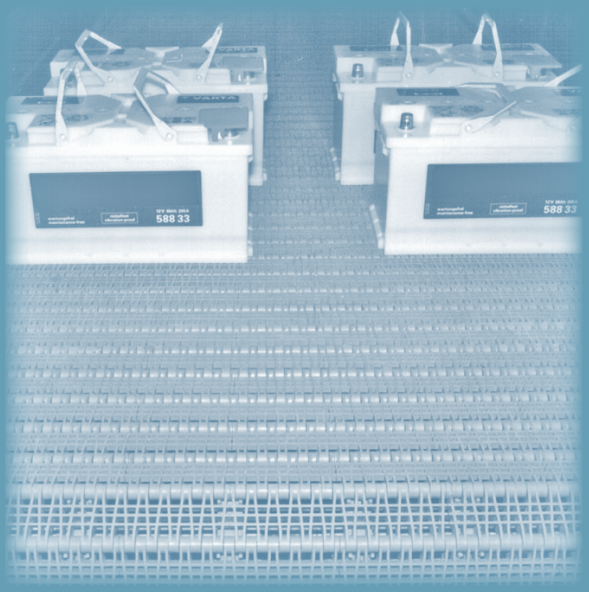
FLAT TOP

FLUSH GRID

PERFORATED FLAT TOP

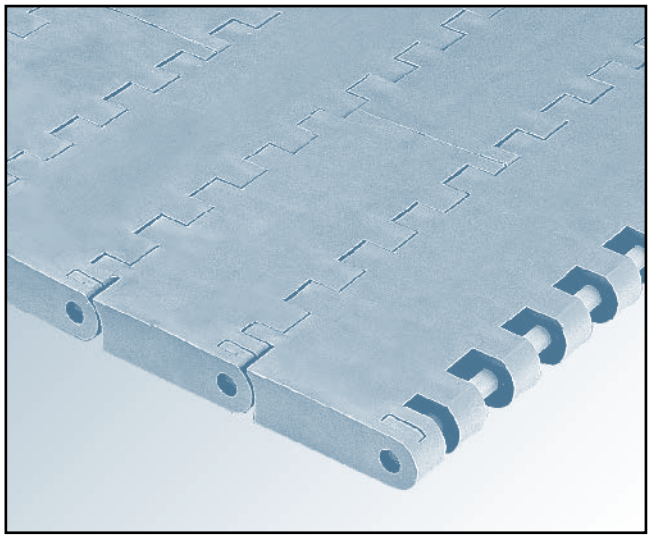
OPEN GRID

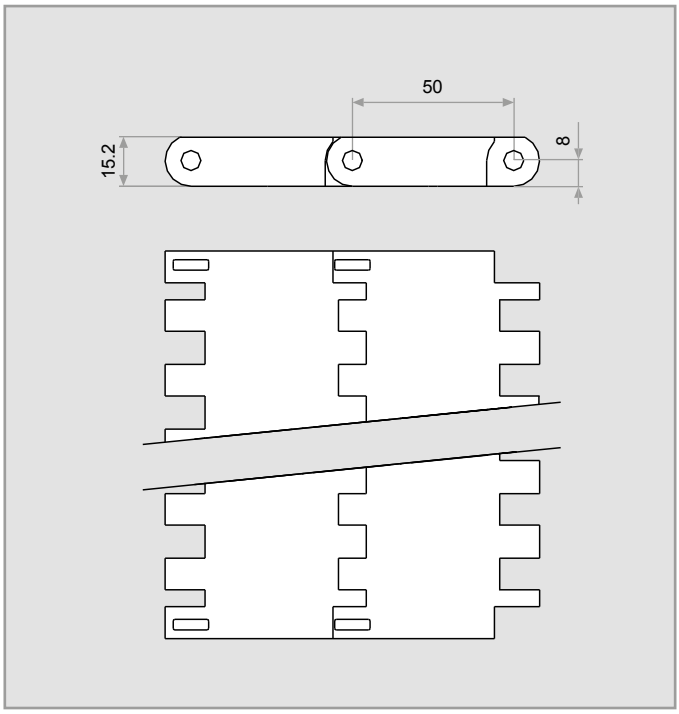
OPEN GRID HIGH



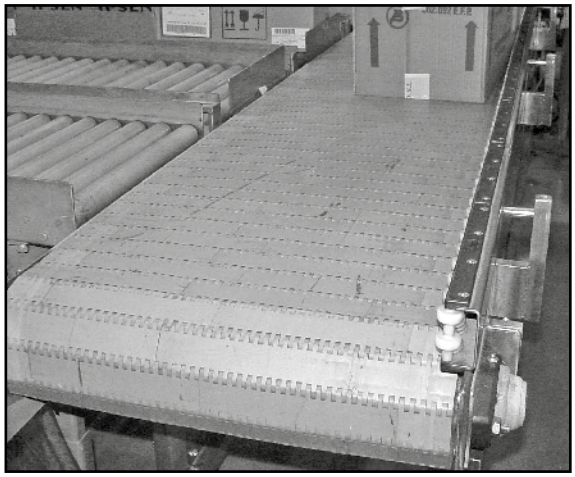
SERIES E50

SERIES E50 FLAT TOP





Eurobelt Series E50 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.



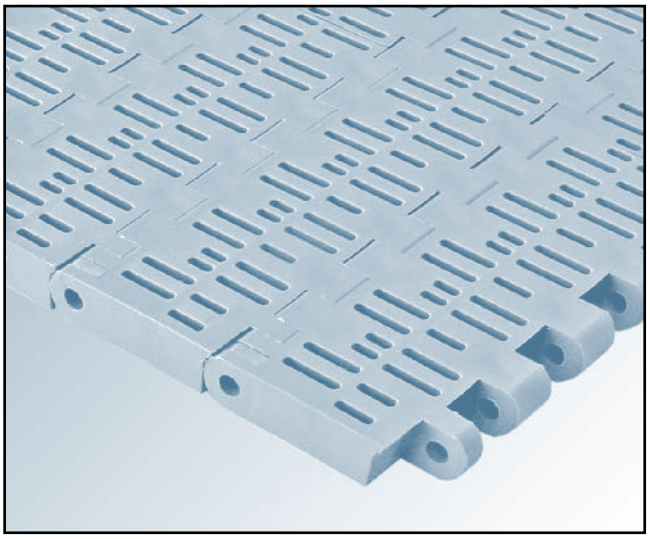
Pitch	50 mm
Surface	Flat Top
Open area	0 %
Thickness	15.2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	7.70	[W] - [G]
PE - Polyethylene	PE - Polyethylene	1,100	-50 to +65	8.04	[N] - [B]

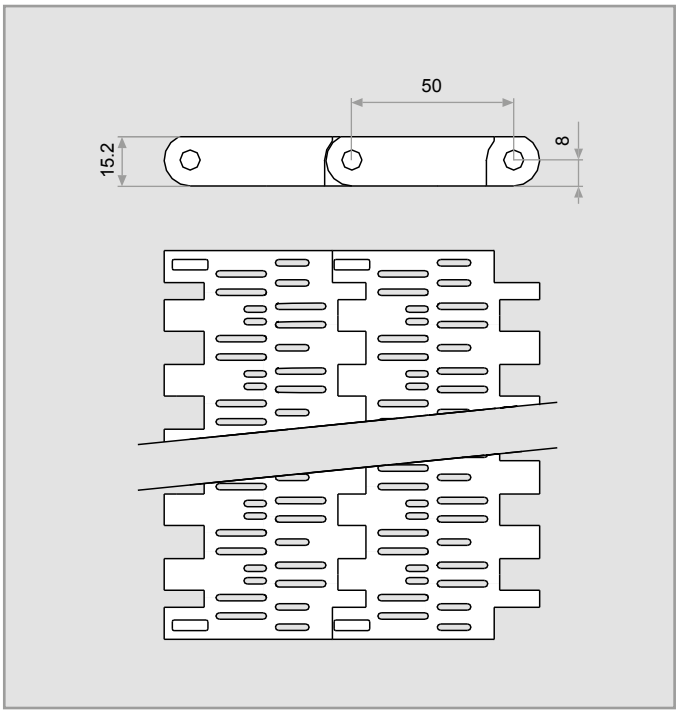
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 PERFORATED FLAT TOP



Eurobelt Series E50 Perforated Flat Top 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.



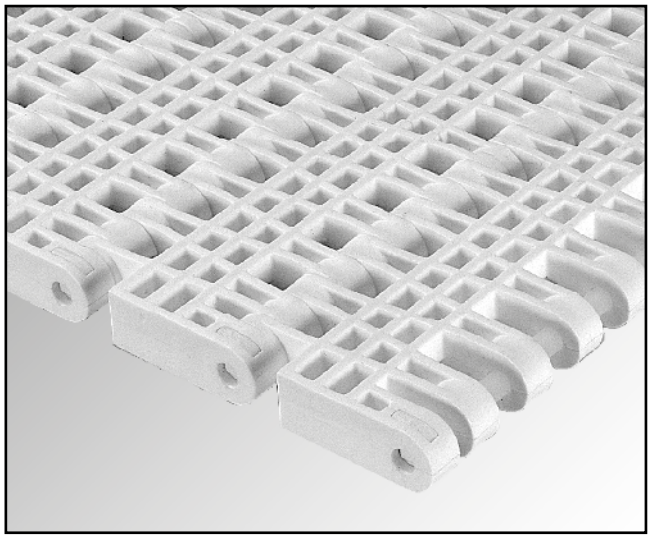
Pitch	50 mm
Surface	Perforated Flat Top
Open area	18 %
Dimensions of openings	[15 x 2] - [9 x 2] - [6 x 1.8] mm
Thickness	15.2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

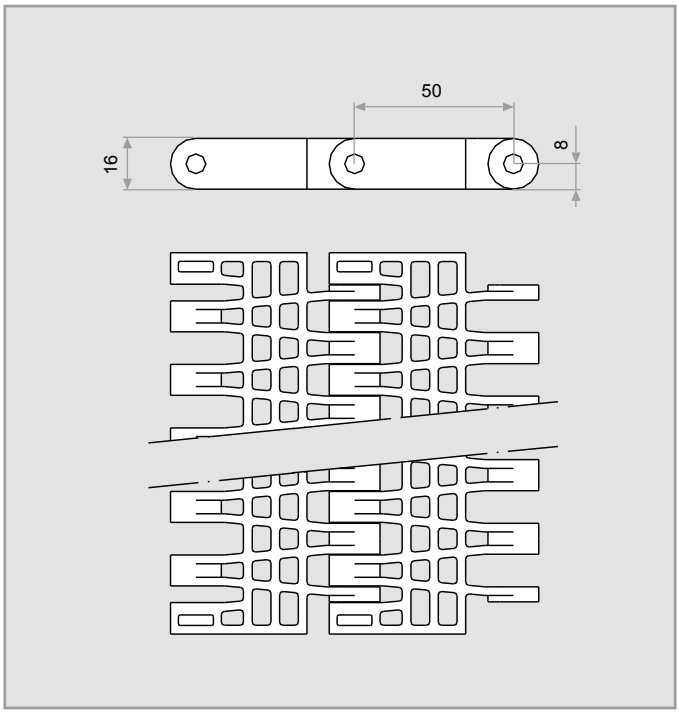
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	7.35	[W] - [G]
PE - Polyethylene	PE - Polyethylene	1,100	-50 to +65	7.67	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

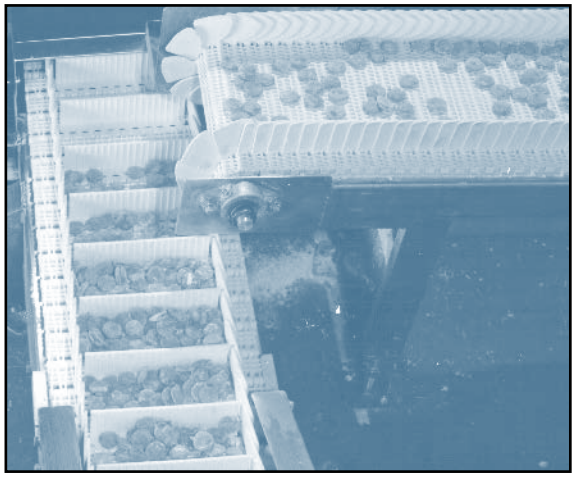
[Dimensions in mm]

SERIES E50 FLUSH GRID





Eurobelt Series E50 Flush Grid 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.



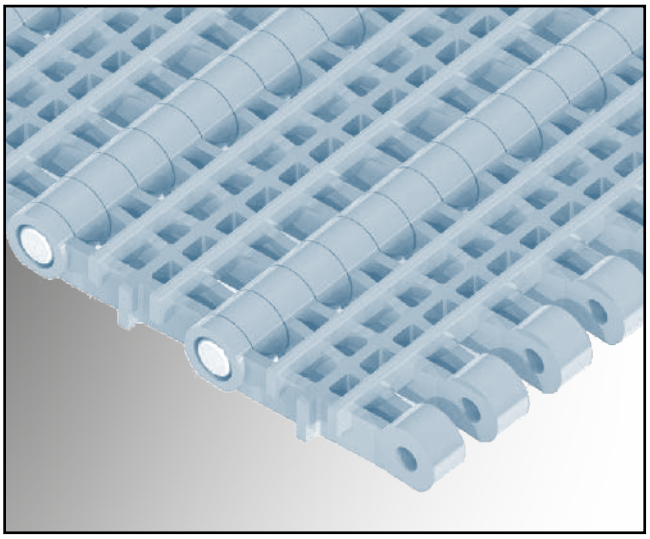
Pitch	50 mm
Surface	Flush Grid
Open area	40 %
Maximum opening (approx.)	[7 x 12.6] mm
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Advised minimum width	40 mm
Retention system	Cap

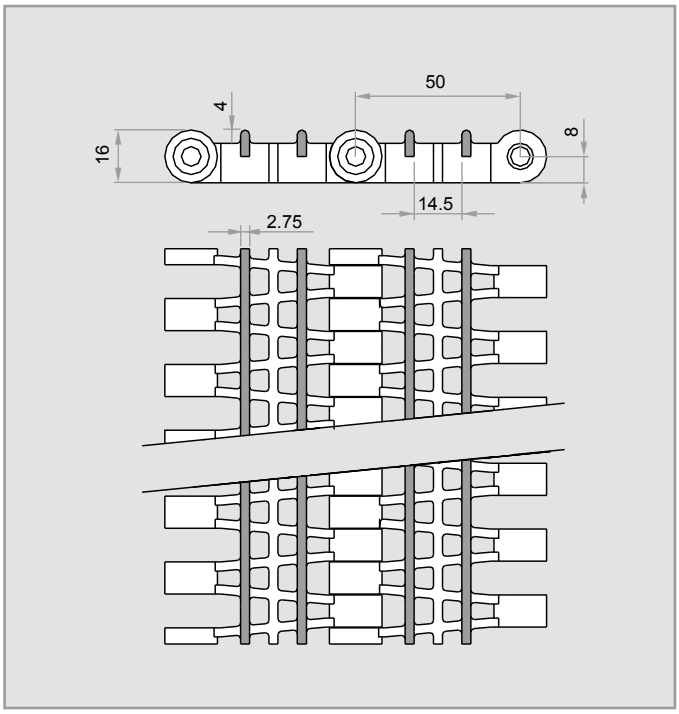
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	2,400	+1 to +104	7.30	[W] - [G]
PE - Polyethylene	PE - Polyethylene	1,500	-50 to +65	7.60	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 OPEN GRID





Eurobelt Series E50 Open Grid, with 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.

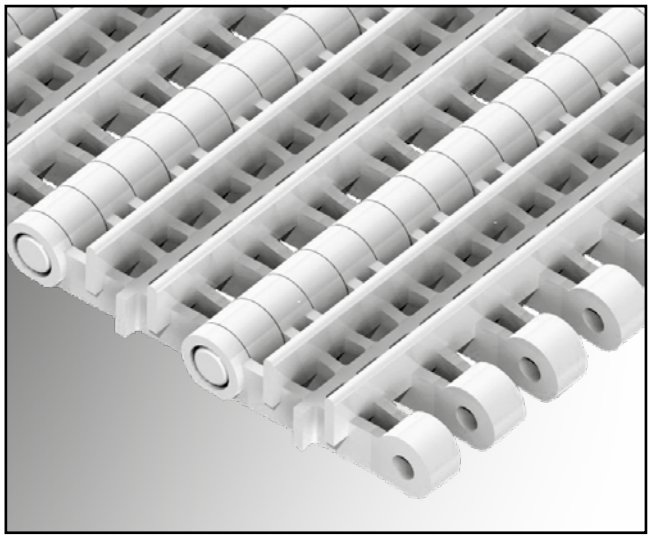
Pitch	50 mm
Surface	Open Grid
Open area	40 %
Maximum opening (approx.)	[6.7 x 10.3] mm
Thickness	16 mm
Mini-flights height	4 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Welded rod

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	6.60	[W] - [B]
PE - Polyethylene	PE - Polyethylene	1,100	-50 to +65	6.89	[N] - [B]

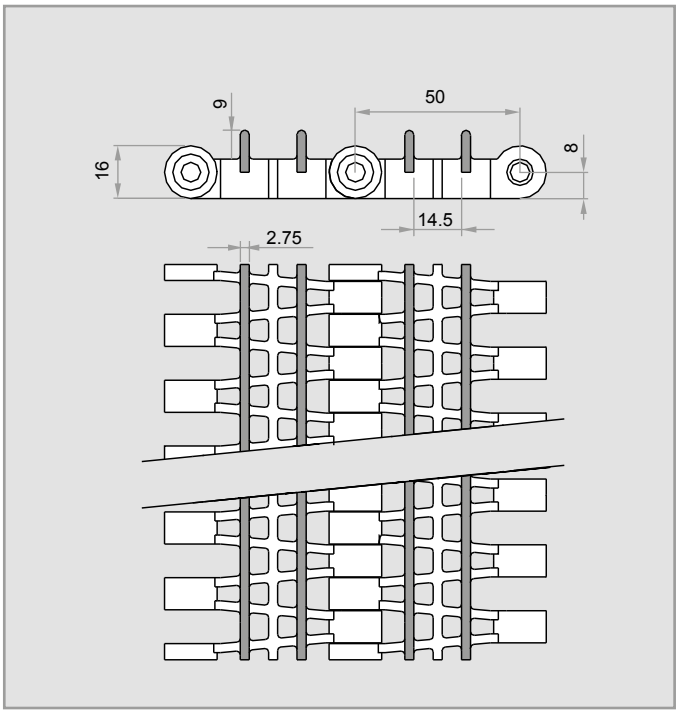
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 OPEN GRID HIGH



Eurobelt Series E50 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



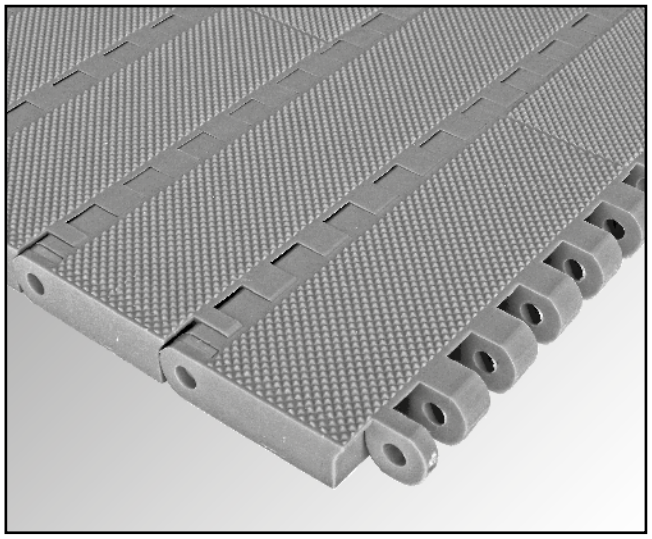
Pitch	50 mm
Surface	Open Grid High
Open area	40 %
Maximum opening (approx.)	[6.7 x 10.3] mm
Thickness	16 mm
Mini-flights height	9 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Welded rod

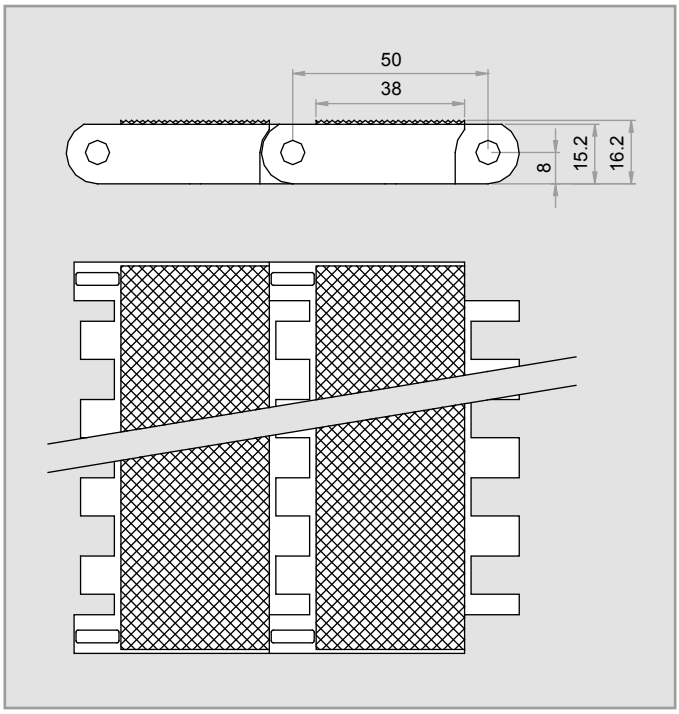
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	7.30	[W] - [B]
PE - Polyethylene	PE - Polyethylene	1,100	-50 to +65	7.50	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 KNURLED





Eurobelt Series E50 Knurled 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.

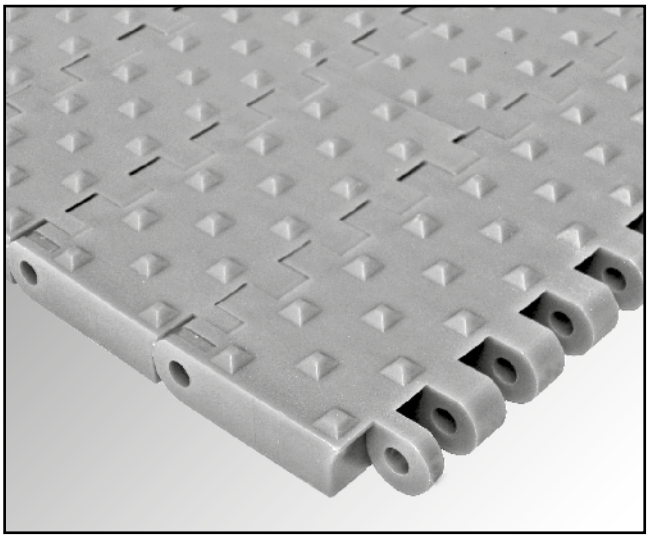
Pitch	50 mm
Surface	Knurled
Open area	0 %
Thickness	15.2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

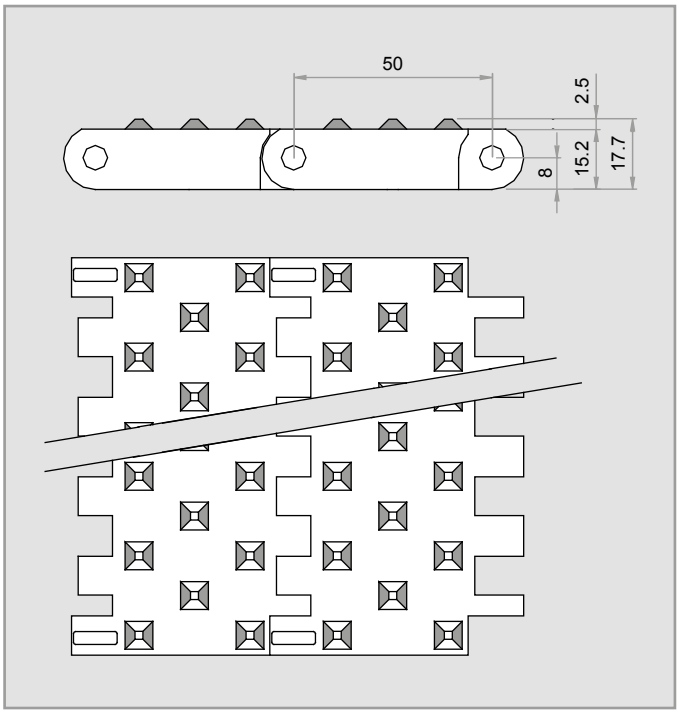
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	7.30	[W] - [G]
AC - Polyacetal	PP - Polypropylene	2,500	-50 to +65	10.50	[B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 CONIC





Eurobelt Series E50 Conic has a smooth surface with small pyramidal-shaped elevations that provide a greater coefficient of friction, as well as they avoid the slippery products to change their position during the conveyance.

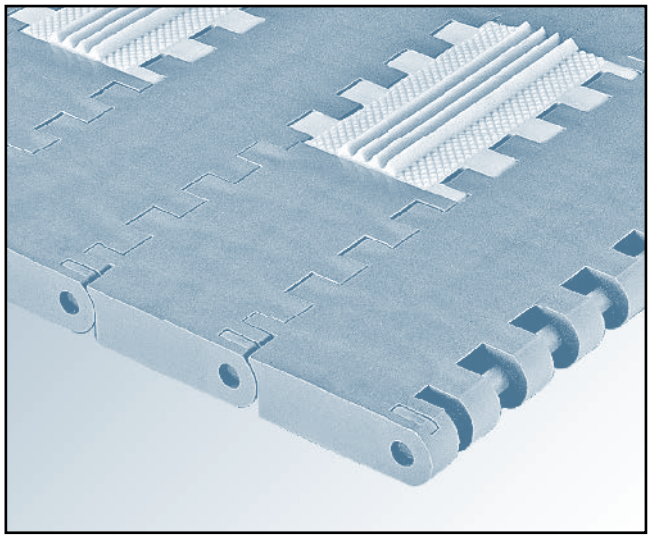
Pitch	50 mm
Surface	Conic
Open area	0 %
Thickness	15.2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,800	+1 to +104	7.70	[W] - [G]
PE - Polyethylene	PE - Polyethylene	1,100	-50 to +65	8.04	[N]
AC - Polyacetal	PP - Polypropylene	2,500	+1 to +90	10.80	[B]

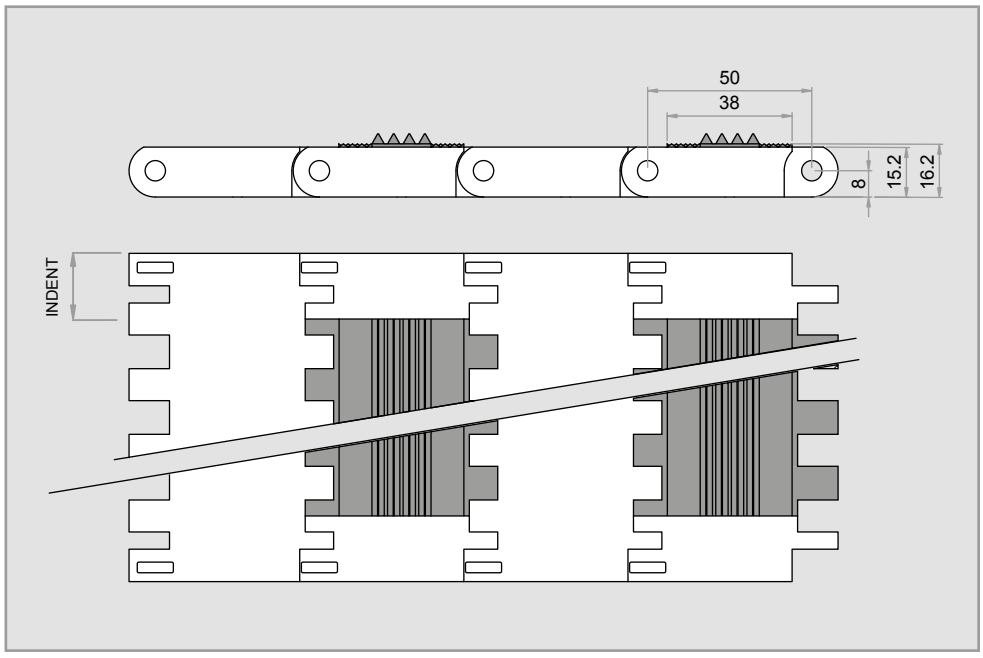
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

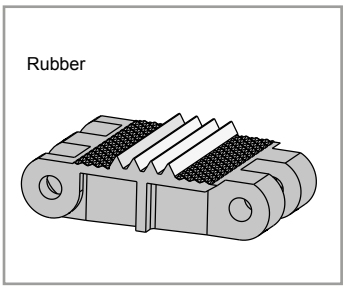
[Dimensions in mm]

SERIES E50 TRIAN FRICTION



Pitch	50 mm
Surface	Trian Friction
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap
Rubber hardness grades	Shore A60
Indent	Multiples of 20 mm
Spacing of rubber lines	Multiples of 50 mm, minimum 100 mm



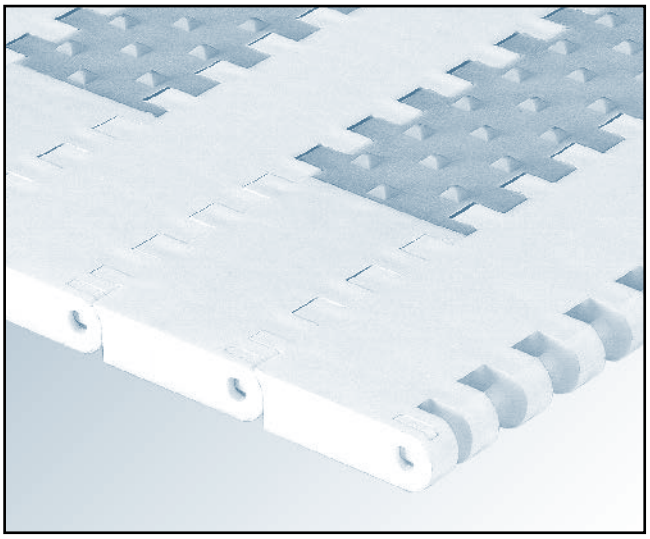


Surface of the belt	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Trian Friction + Flat Top	PP - Polypropylene	PP - Polypropylene	1,800	+1 a +103	[W] - [G]
	PE - Polyethylene	PE - Polyethylene	1,100	-40 a +65	[N] - [B]
Trian Friction + Flush Grid	PP - Polypropylene	PP - Polypropylene	2,400	+1 a +103	[W] - [G]
	PE - Polyethylene	PE - Polyethylene	1,500	-40 a +65	[N] - [B]

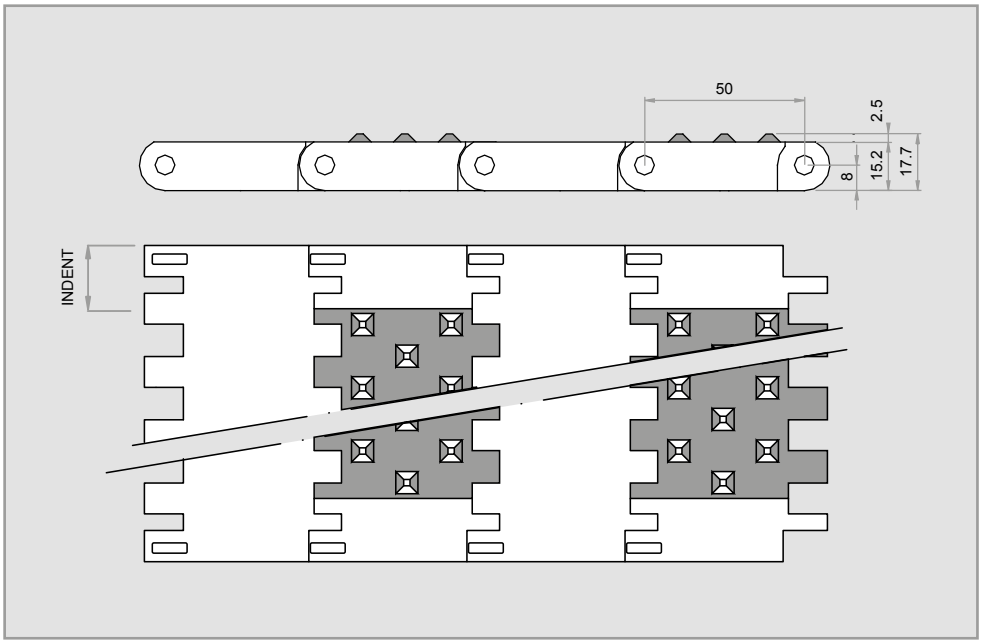
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

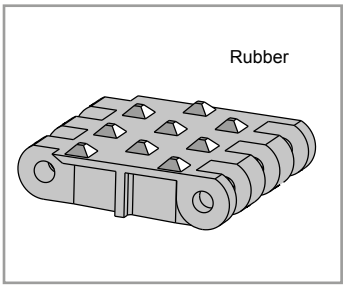
[Dimensions in mm]

SERIES E50 CONIC FRICTION



Pitch	50 mm
Surface	Conic Friction
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap
Rubber hardness grades	Shore A60
Indent	Multiples of 20 mm
Spacing of rubber lines	Multiples of 50 mm, minimum 100 mm



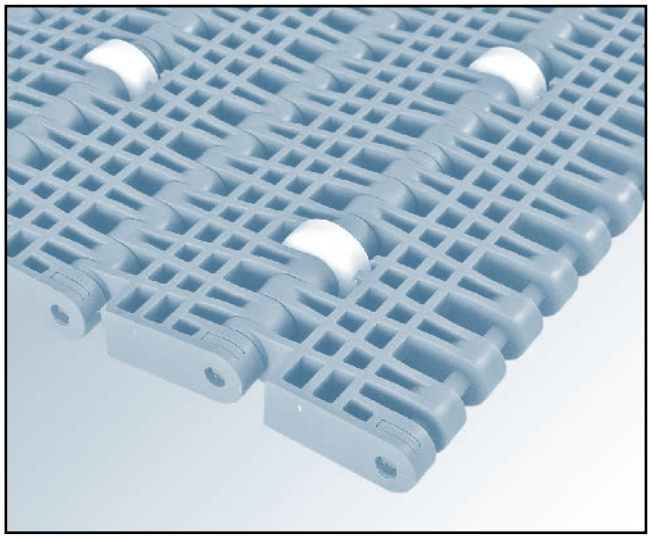


Surface of the belt	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Conic Friction + Flat Top	PP - Polypropylene	PP - Polypropylene	1,800	+1 a +103	[W] - [G]
	PE - Polyethylene	PE - Polyethylene	1,100	-40 a +65	[N] - [B]
Conic Friction + Flush Grid	PP - Polypropylene	PP - Polypropylene	2,400	+1 a +103	[W] - [G]
	PE - Polyethylene	PE - Polyethylene	1,500	-40 a +65	[N] - [B]

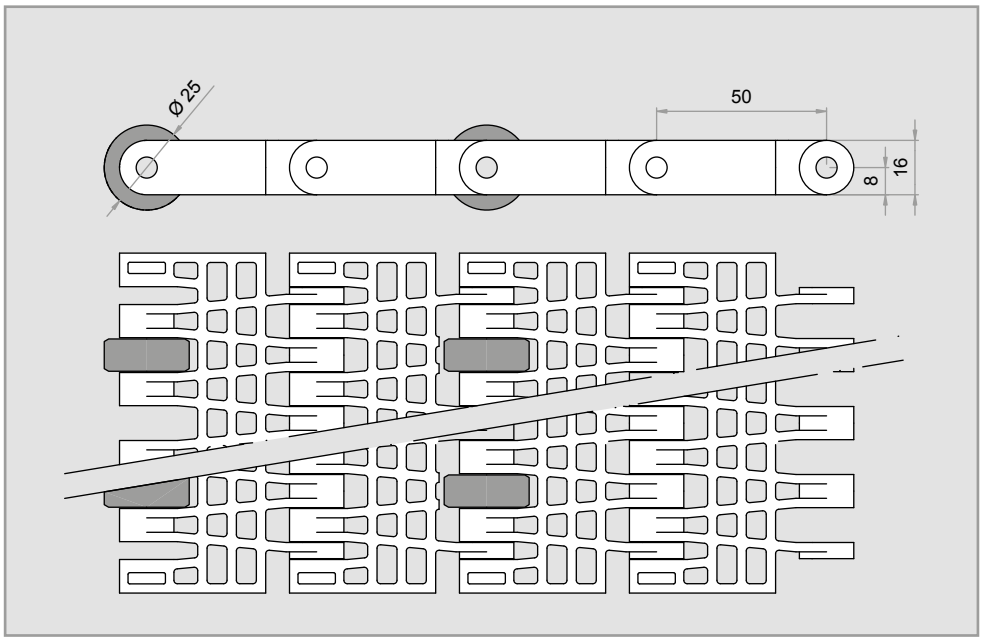
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E50 SLIDING ROLLERS



Pitch	50 mm
Surface	Sliding Rollers
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap
Diameter of small roller	Ø 25 mm
Width of small roller	10 mm
Material of small roller	Polyacetal
Sliding Rollers pitch	Multiples of 50 mm



Eurobelt Series E50 Sliding Rollers is provided with small rollers inserted on its surface that rotate around themselves whenever there is product accumulation, avoiding crushing and wear in the base of the product.
This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

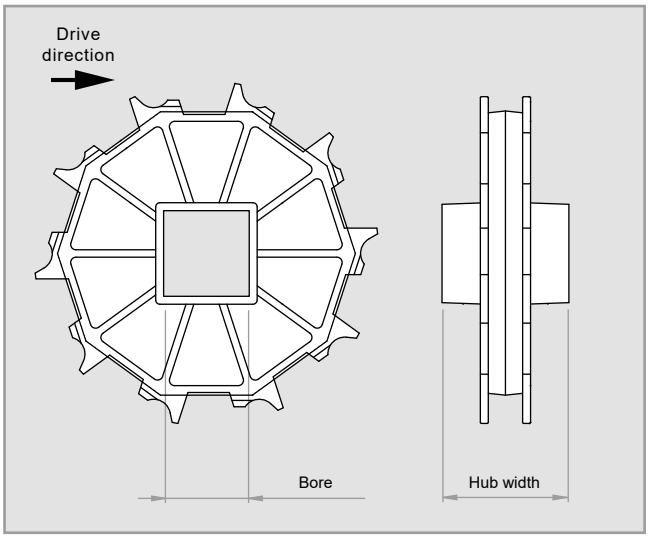
Surface of the belt	Belt standard material	Rod standard material	Belt strength (kg/m)	Temperature range (ºC)	Available colours in stock
Flush Grid	PP - Polypropylene	PP - Polypropylene	On Request	+1 to +104	[W] - [G]
	PE - Polyethylene	PE - Polyethylene		-50 to +65	[N] - [B]
Open Grid	PP - Polypropylene	PP - Polypropylene		+1 to +104	[W] - [G]
	PE - Polyethylene	PE - Polyethylene		-50 to +65	[N] - [B]

This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

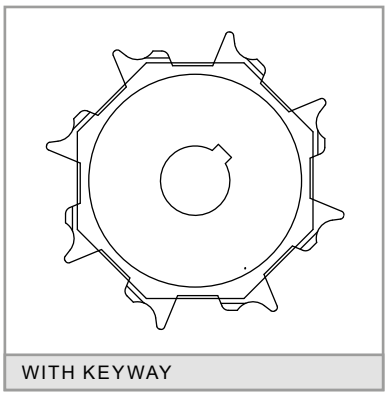
[Dimensions in mm]

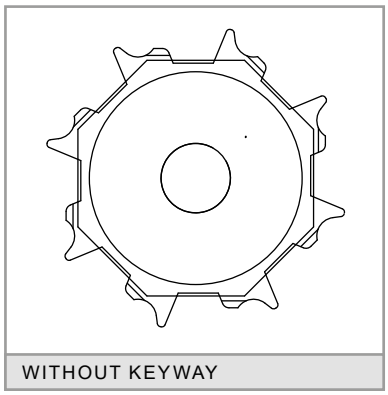
ACCESSORIES [SPROCKETS]

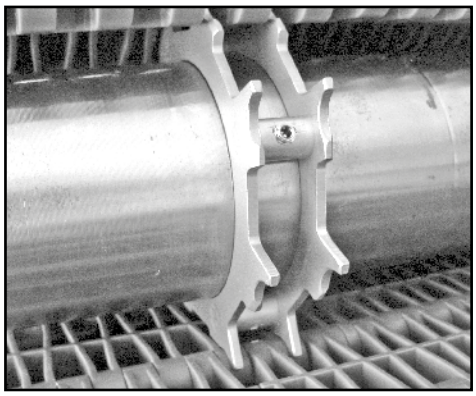


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
6	100	40	1.5"	40	Polypropylene
8	130.6	40	1.5"	40	
10	161.8	40 60	1.5" 2.5"	60	Polyacetal
16	256.2	40 60	1.5" 2.5"	60	Stainless steel

SPROCKETS FOR SQUARE SHAFT


WITH KEYWAY


WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

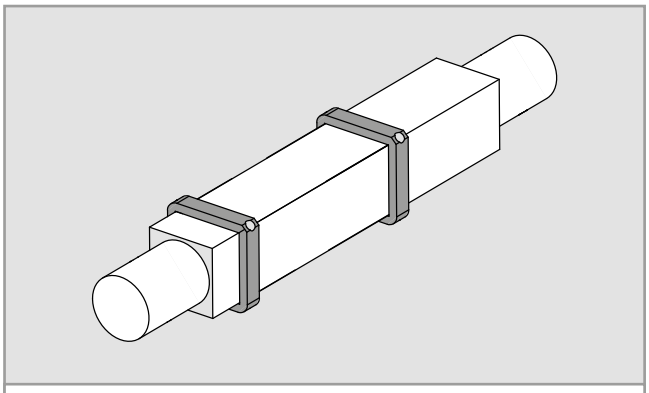
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

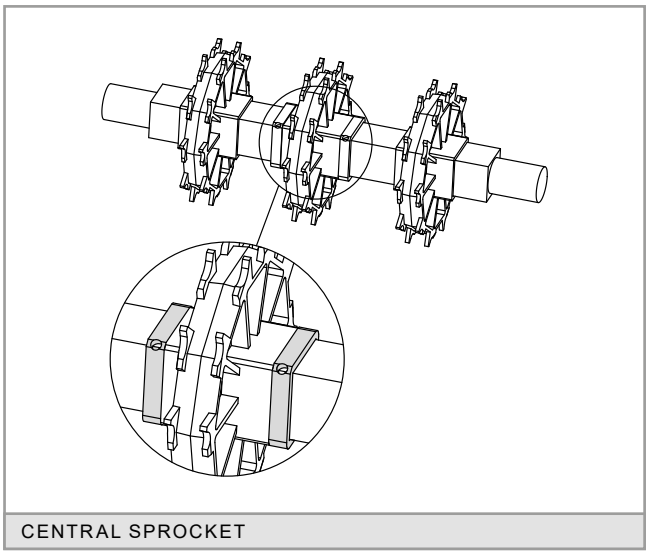
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

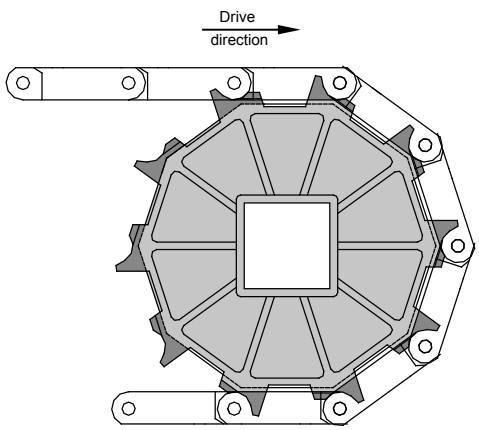
Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6

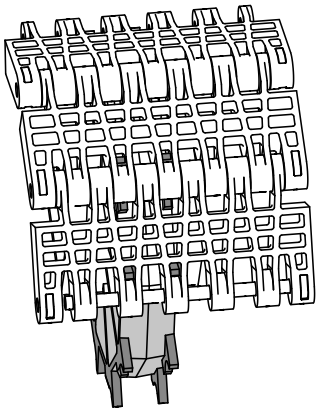


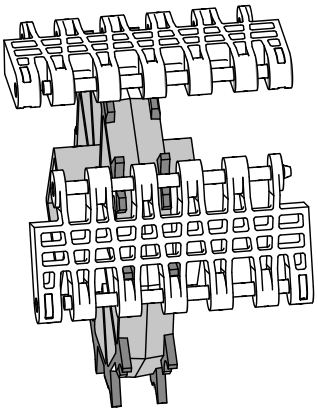
RETAINING RINGS



CENTRAL SPROCKET







[Dimensions in mm]

ACCESSORIES [FLIGHTS]

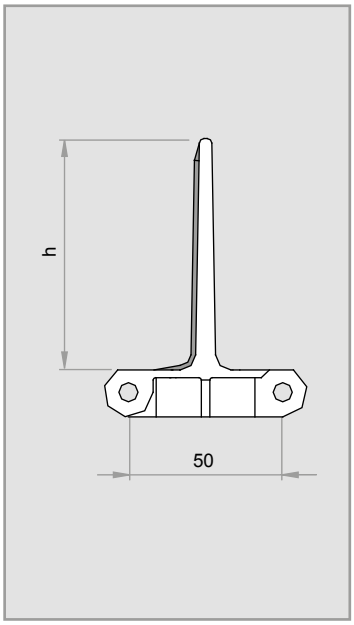
When building a conveyor, Eurobelt can design your belt with flights and/or side guards, taking into account the size and the weight of the product to be transported, as well as the height and inclination of the conveyor.

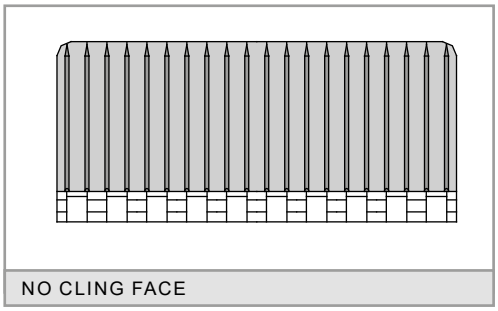
The flights are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

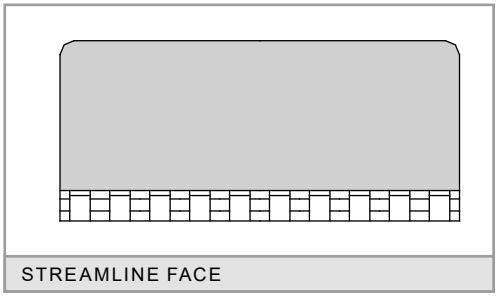
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

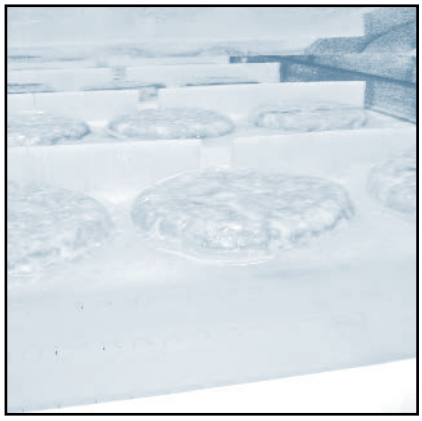
Their edges are completely rounded to avoid any damage of the product.

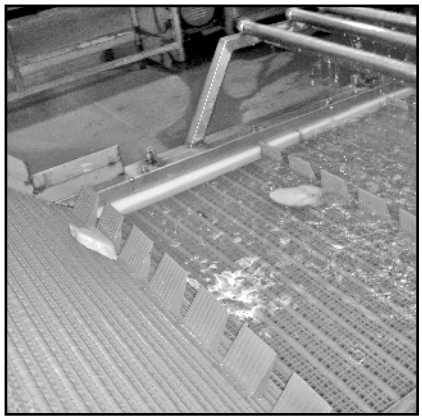
STRAIGHT FLIGHT [STREAMLINE + NO CLING]




NO CLING FACE


STREAMLINE FACE





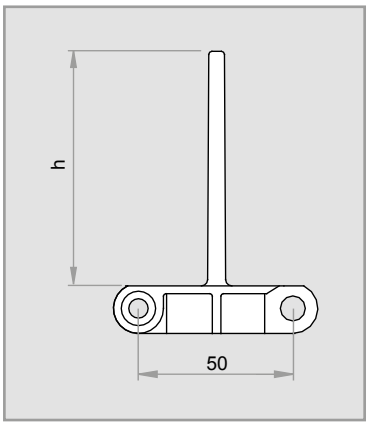
Height (h)	Materials
25 50 75 100 125 150	Polypropylene Polyethylene

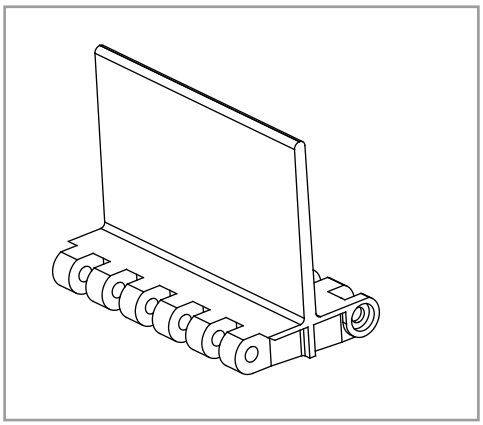
It is possible to cut down the standard height for special applications.

[Dimensions in mm]

ACCESSORIES [FLIGHTS]

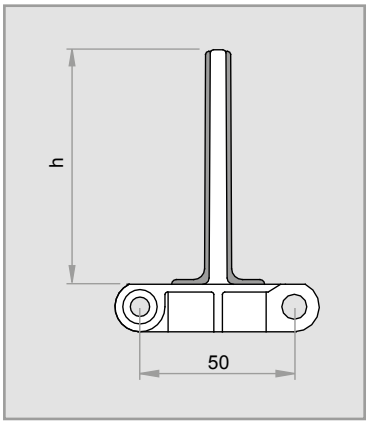
STRAIGHT FLIGHT [STREAMLINE]

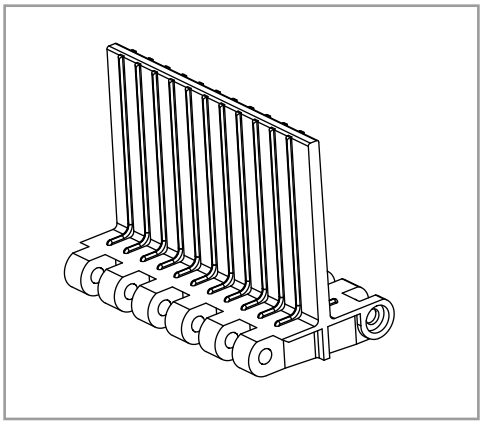




Height (h)	Materials
25 50 75	Polypropylene Polyethylene

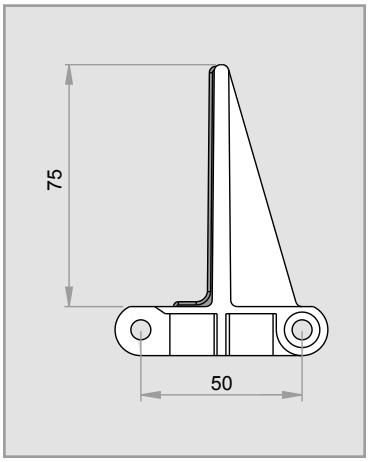
STRAIGHT FLIGHT [NO CLING]

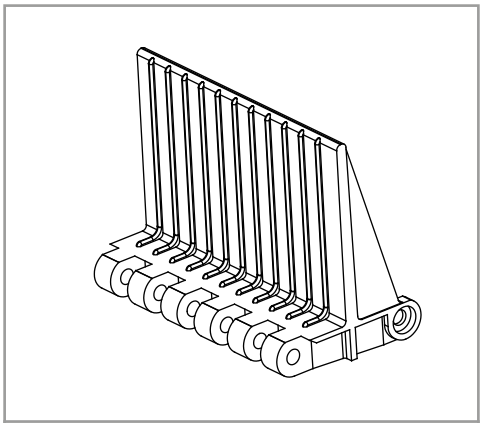




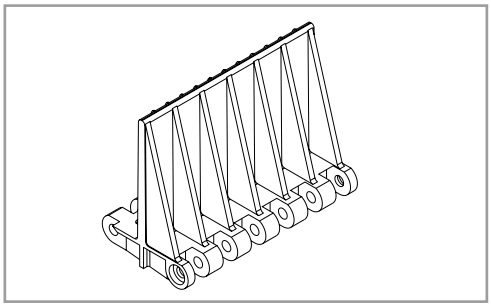
Height (h)	Materials
25 50 75 100 125 150	Polypropylene Polyethylene

RIBBED FLIGHT





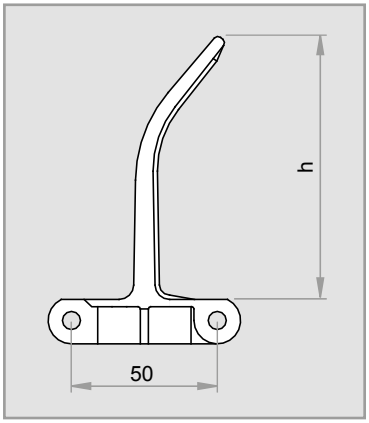
DRIVE DIRECTION

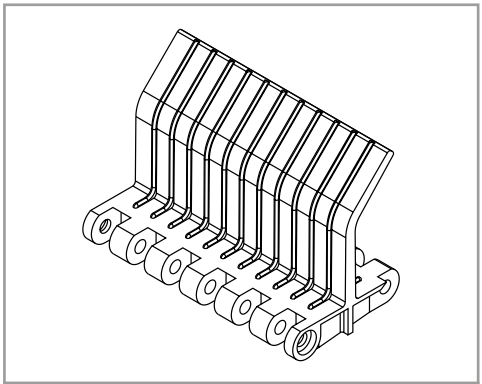


Height (h)	Materials
75	Polypropylene Polyethylene

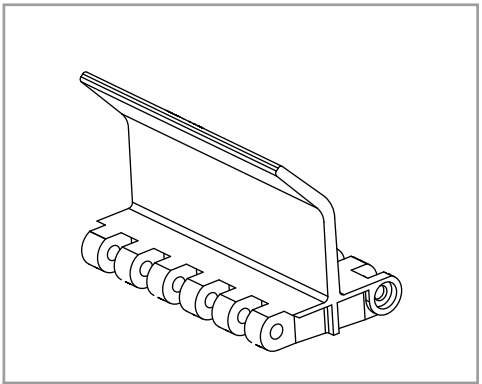
[Dimensions in mm]

BENT FLIGHT





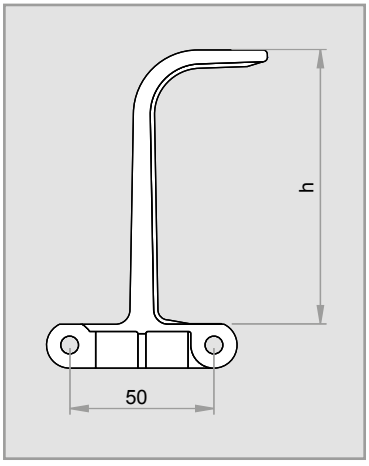
BENT FLIGHT NO CLING

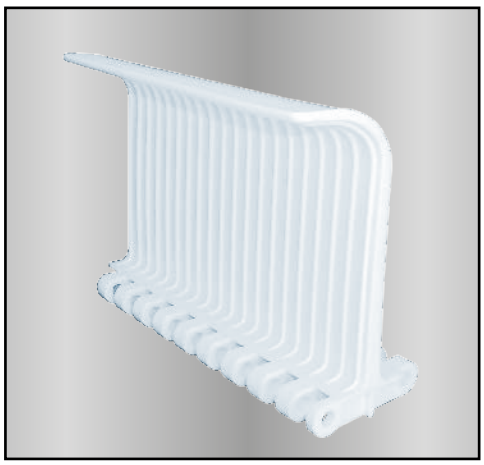


BENT FLIGHT STREAMLINE

Accessories	Height (h)	Materials
Bent Flight [Streamline]	75	Polypropylene Polyethylene
Bent Flight [No Cling]	45 70 90 115 140	
Bent Flight [Streamline + No Cling]	45 70 90 115 140	

SCOOP FLIGHT

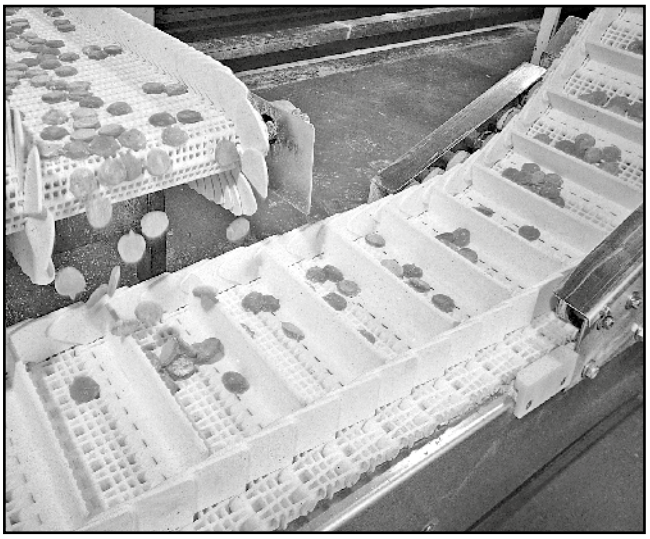


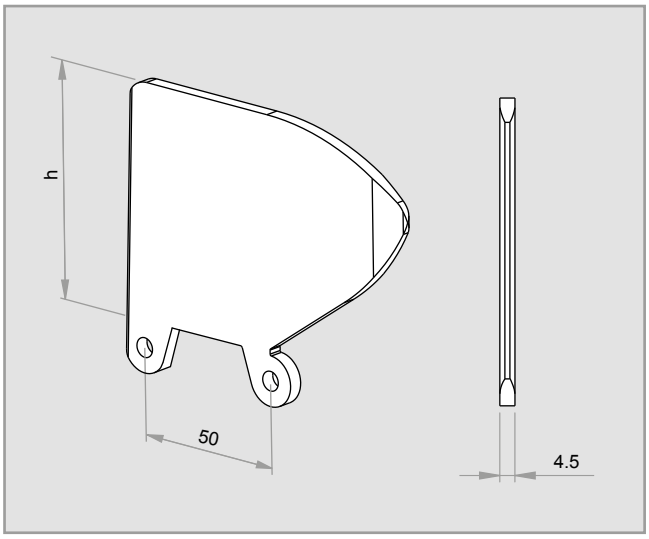


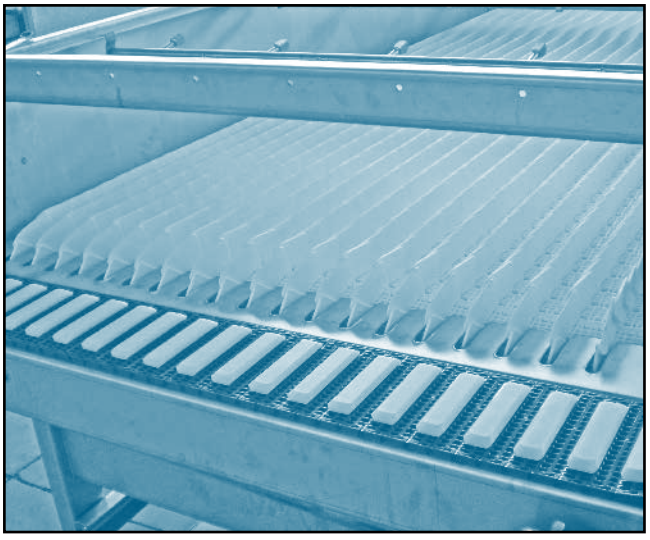
Height (h)	Materials
95 120	Polypropylene

[Dimensions in mm]

ACCESSORIES [SIDE GUARDS]



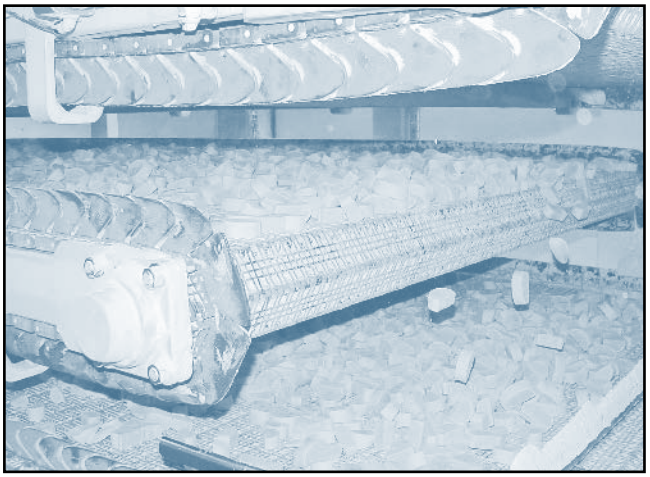


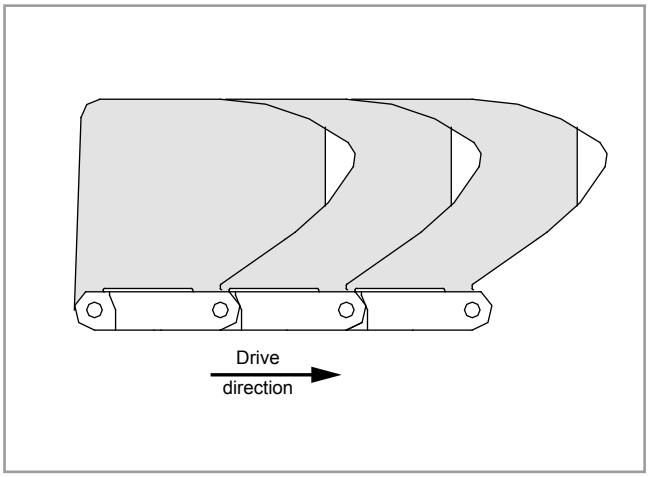


The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

Height (h)	Materials
50 75 100	Polypropylene Polyethylene

It is possible to cut down the standard height for special applications.

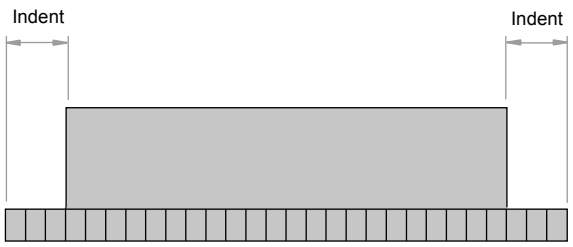




[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

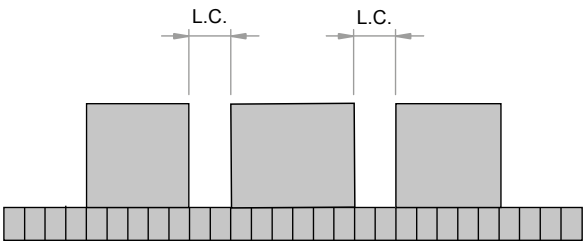
BELT ONLY WITH FLIGHTS



Indent = Multiples of 20 mm.

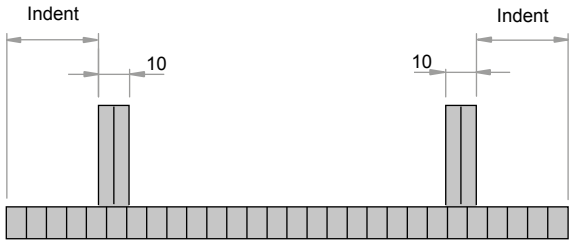
Distance between flights = Multiples of 100.

BELT WITH LONGITUDINAL CUTS



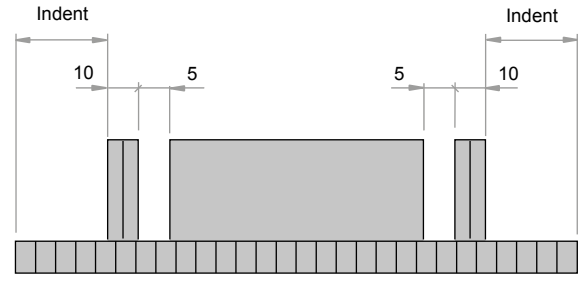
Flight longitudinal cut = increment of 20 mm (minimum 40 mm)

BELT ONLY WITH SIDE GUARDS



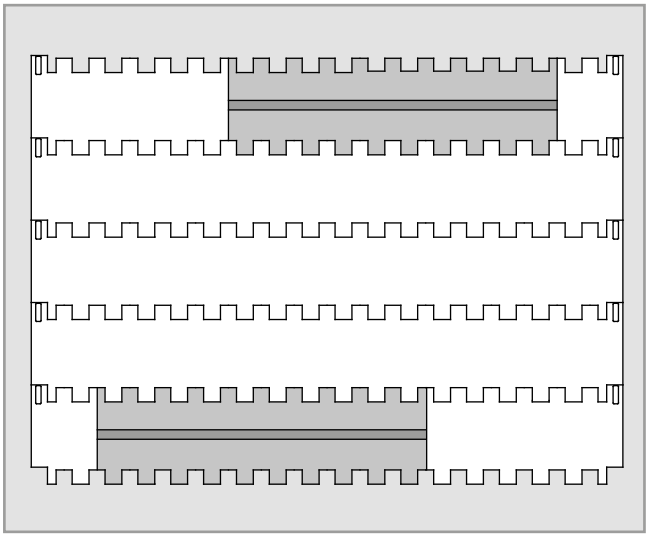
Indent = Multiples of 20 + 5 mm.

BELT WITH FLIGHTS AND SIDE GUARDS

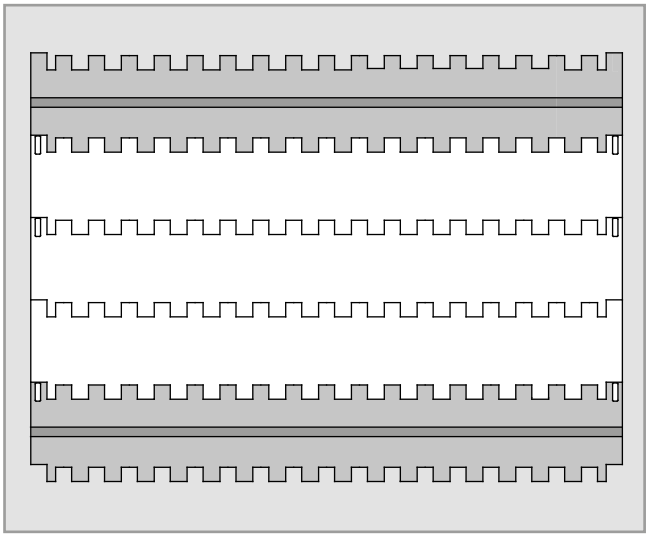


Indent = Multiples of 20 + 5 mm.

BELT WITH ZIGZAG FLIGHTS

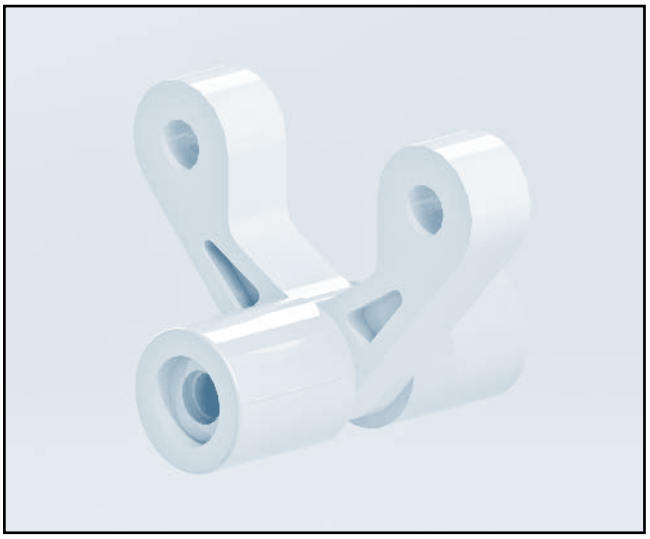


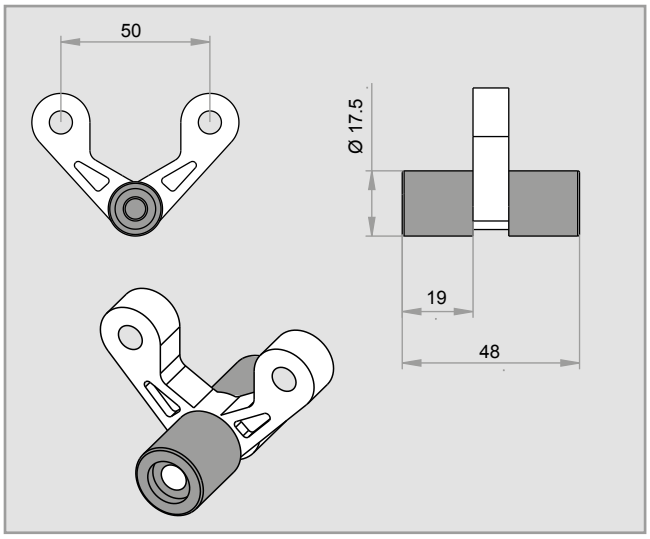
BELT WITH FLIGHTS, WITHOUT INDENT



[Dimensions in mm]

ACCESSORIES [HOLD-DOWN ROLLERS]





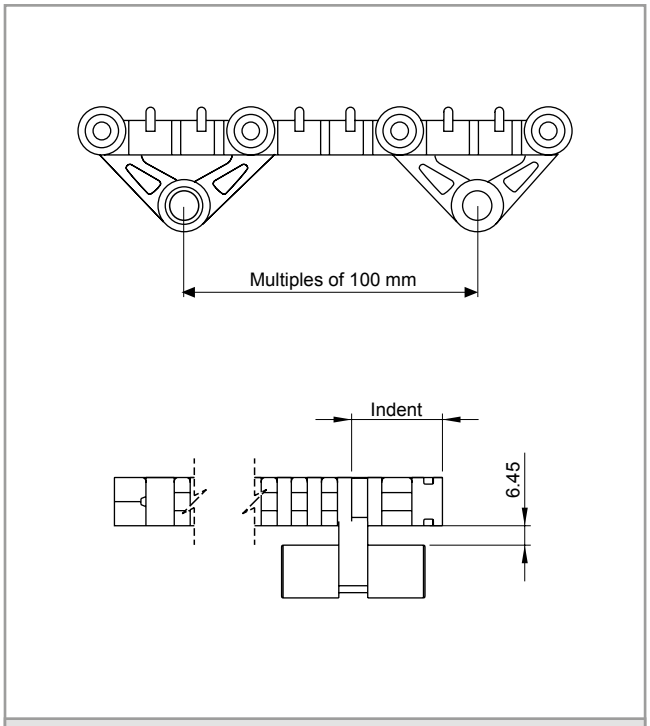
They are used to fasten the belt to the conveyor in all the inflexions.

In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 10 mm. Hold-down rollers cannot be used with the following sprockets:

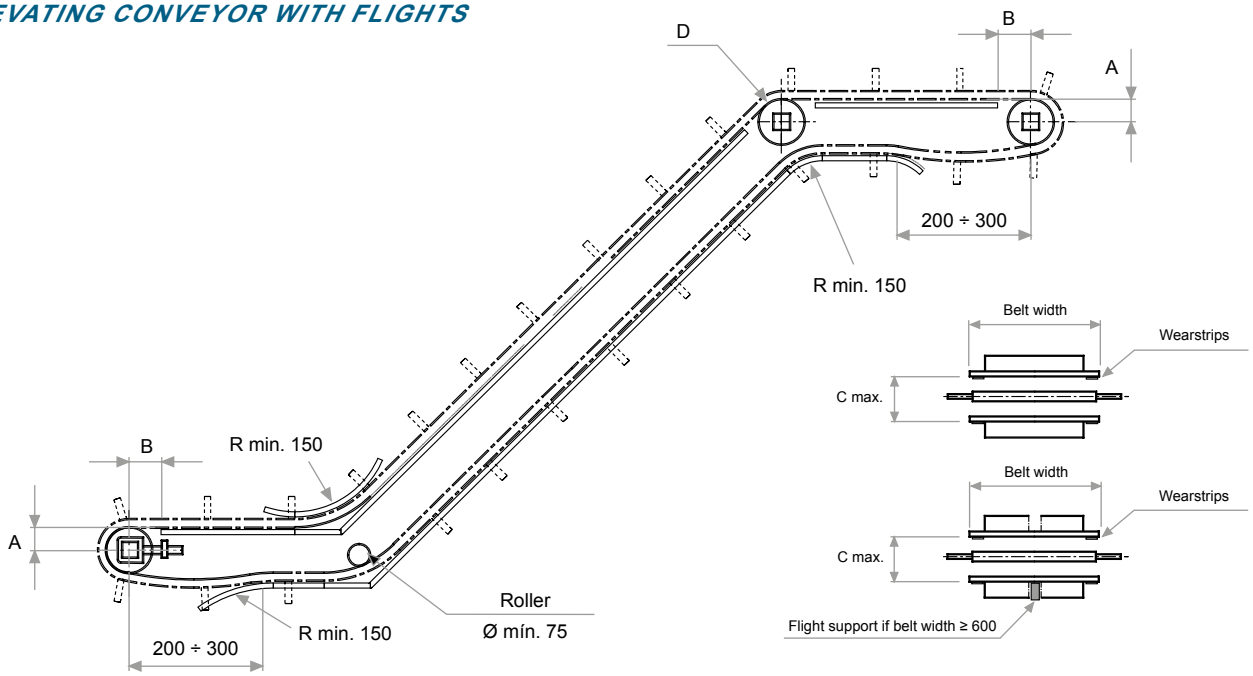
Nº of teeth T	Bore for square shaft
6	40



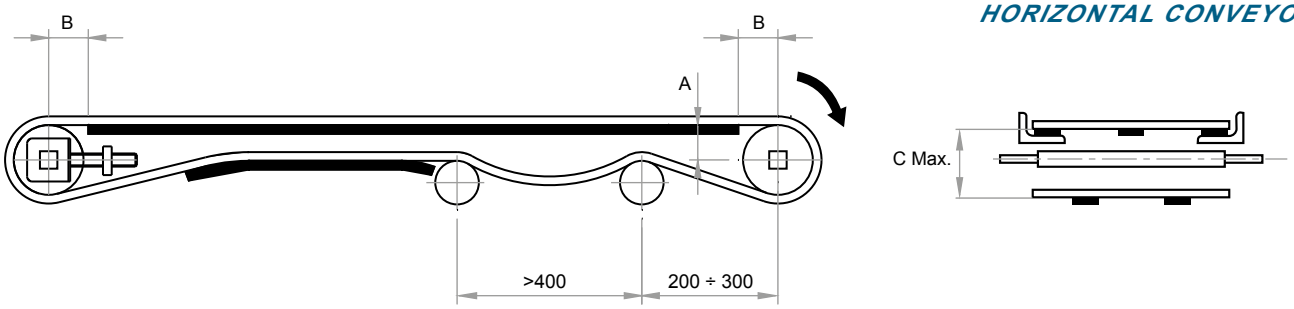
DESIGN DATA

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
6	100	42	55	105
8	130.65	58	60	135
10	161.80	72	76	165
16	256.29	120	80	260

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
40	150	1	2	2
160	450	3	2	2
460	750	5	3	2
760	1,050	7	5	3
1,060	1,350	9	6	4
1,360	1,650	11	7	5
1,660	1,950	13	9	6
1,960	2,250	15	10	7
2,260	2,550	17	11	8
2,560	2,850	19	12	9
2,860	3,150	21	14	10
3,160	3,450	23	15	11
3,460	3,750	25	16	12
3,760	4,050	27	18	13

To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.

SERIES B50

FLAT TOP

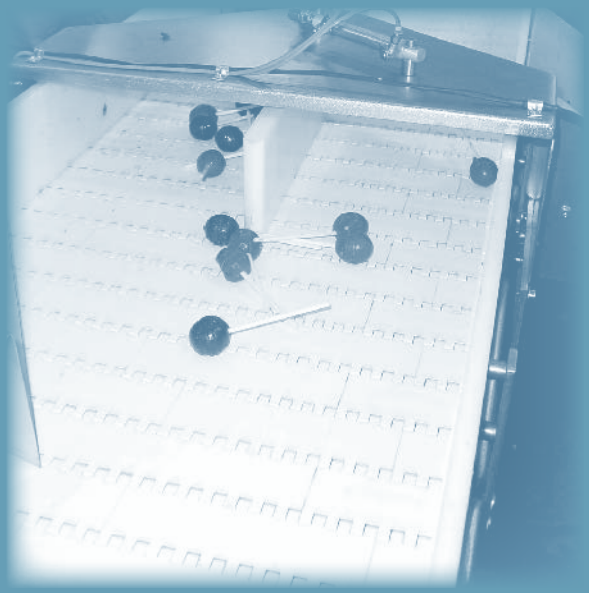
FLUSH GRID

PERFORATED FLAT TOP

FLAT TOP

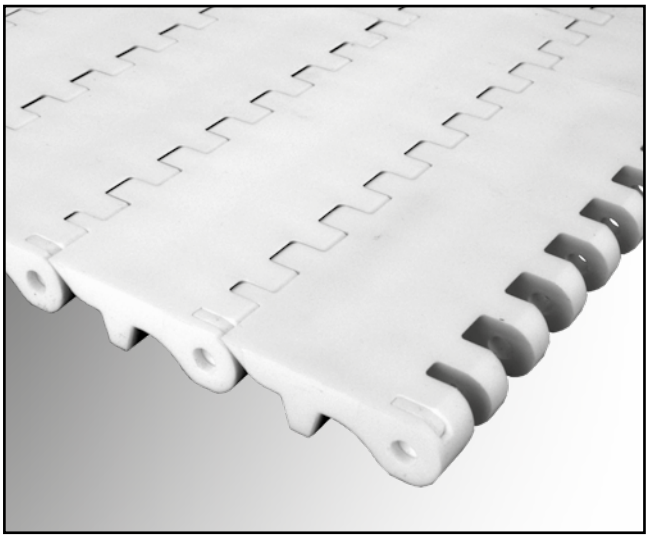
FLUSH GRID

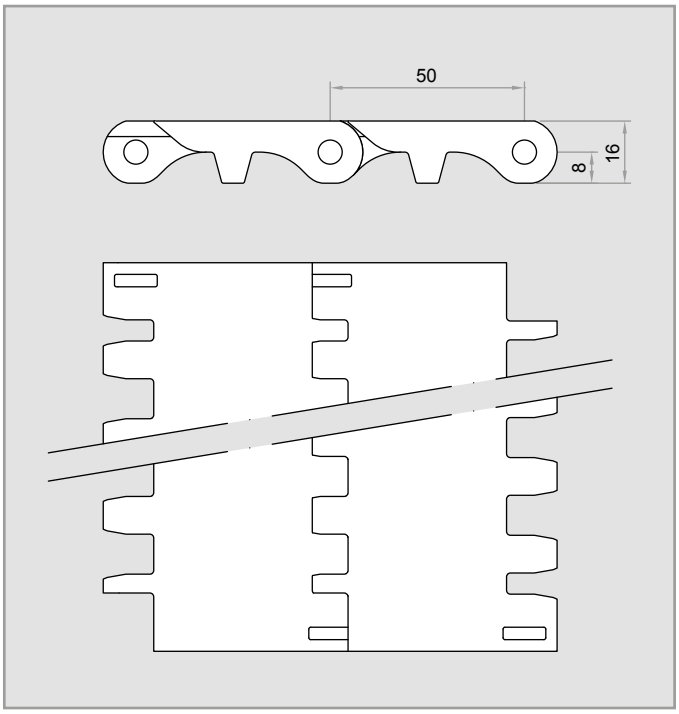
PERFORATED FLAT TOP



SERIES B50

SERIES B50 FLAT TOP





Eurobelt Series B50 Flat Top is the most hygienic and strongest conveyor belt for the food industry. Thanks to its design of completely rounded corners and open edges we avoid the accumulation of debris. The underside transversal drive bar and the sprockets design make this belt be the best alternative for longer conveyors with heavier loads.

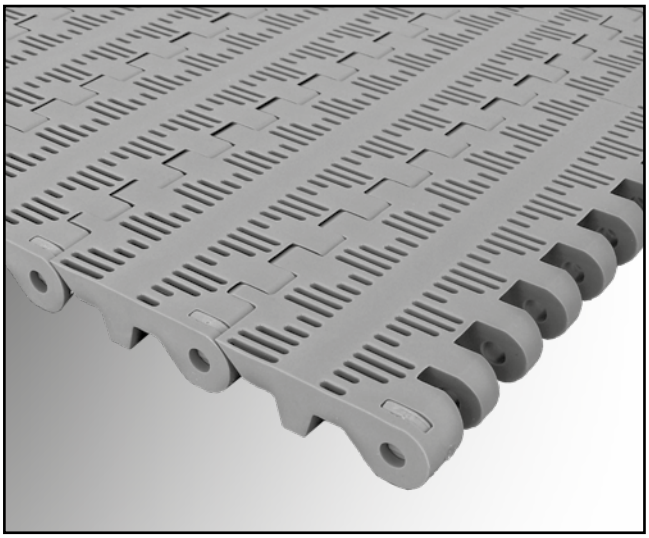
Pitch	50 mm
Surface	Flat Top
Open area	0 %
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 5,5 mm
Retention system	Cap

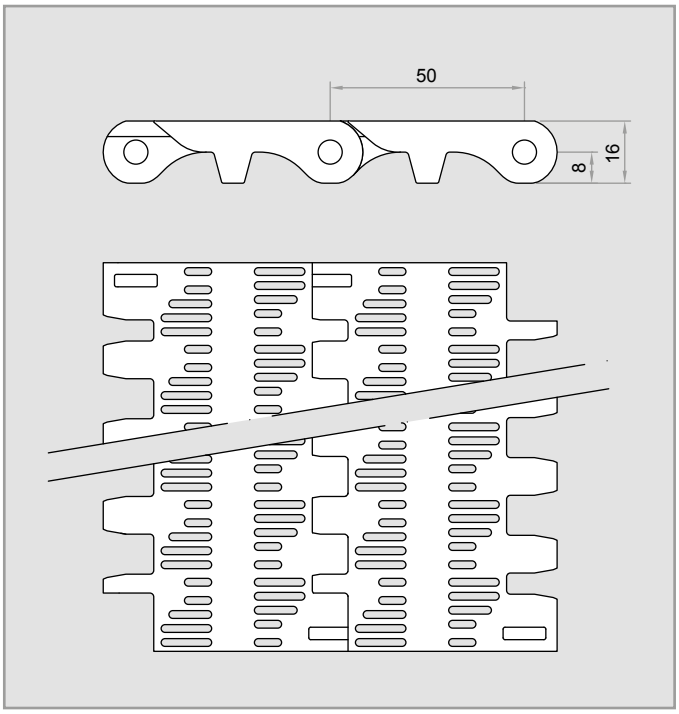
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,550	+1 to +104	9.06	[W] - [B]
PE - Polyethylene	PE - Polyethylene	750	-50 to +65	9.50	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,650	+1 to +90	13.43	[W]
	PE - Polyethylene	990	-40 to +65	13.47	[W]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

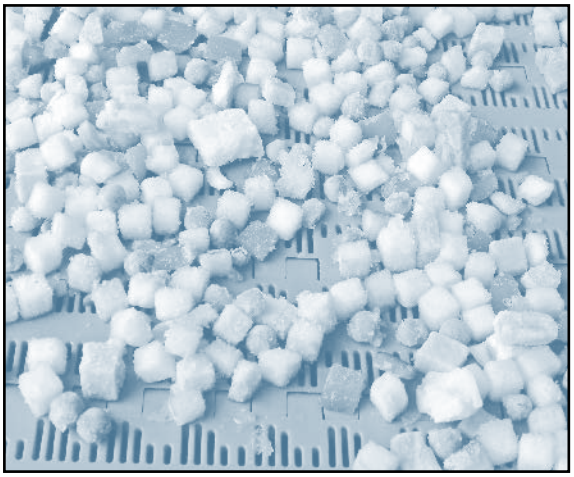
[Dimensions in mm]

SERIES B50 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).



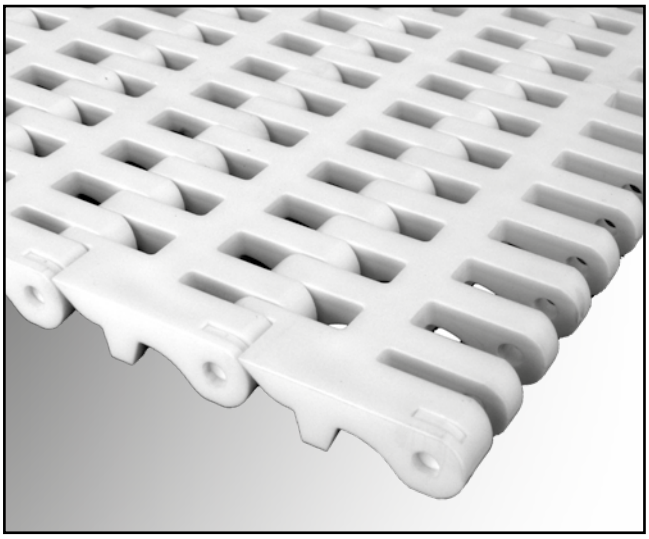
Pitch	50 mm
Surface	Perforated Flat Top
Open area	20 %
Dimensions of openings	[13 x 2] - [11 x 2] - [7 x 2] mm
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 5,5 mm
Retention system	Cap

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,115	+1 to +104	7.75	[W] - [B]
PE - Polyethylene	PE - Polyethylene	685	-50 to +65	8.30	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,650	+1 to +90	11.55	[W]
	PE - Polyethylene	990	-40 to +65	11.58	[W]

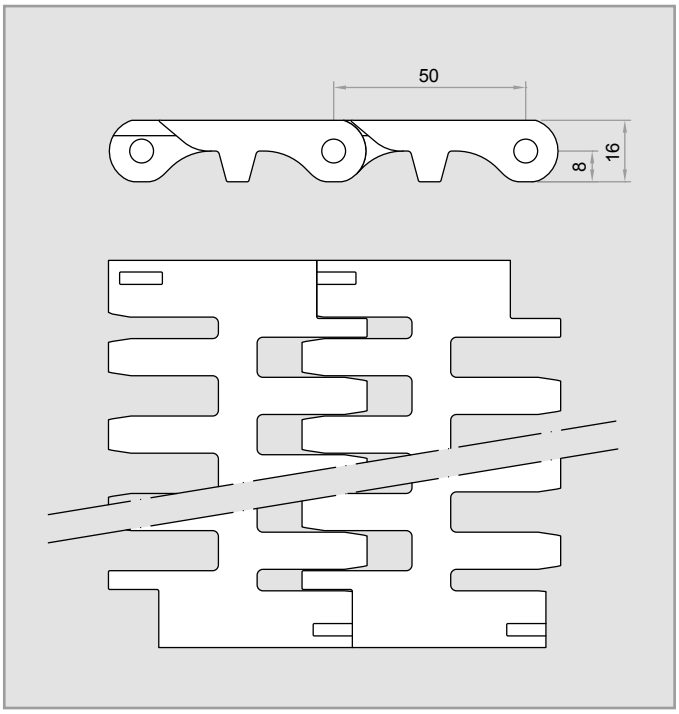
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES B50 FLUSH GRID



XXXX



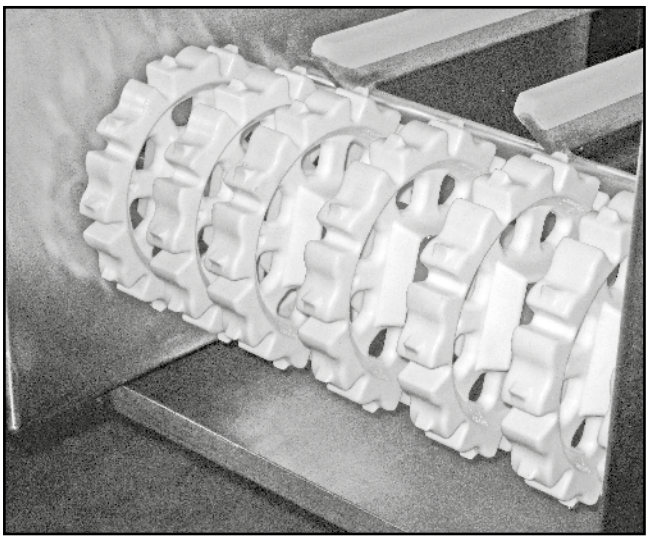
Pitch	50 mm
Surface	Flush Grid
Open area	28%
Dimensions of openings	[11.6 x 10.4] mm
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 5,5 mm
Retention system	Cap

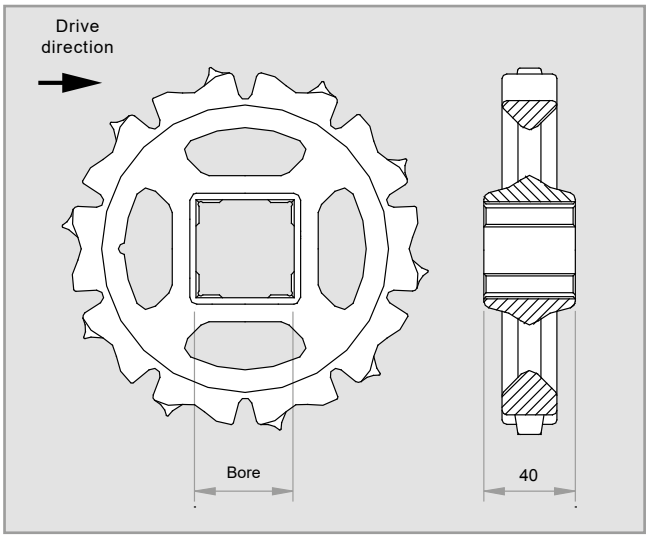
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,450	+1 to +104	7.15	[W] - [B]
PE - Polyethylene	PE - Polyethylene	370	-50 to +65	7.54	[N] - [B]
	AC - Polyacetal	670	-40 to +65	8.18	[N] - [B]
AC - Polyacetal	PP - Polypropylene	1,600	+1 to +90	11.12	[W]
	PE - Polyethylene	800	-40 to +65	11.16	[W]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

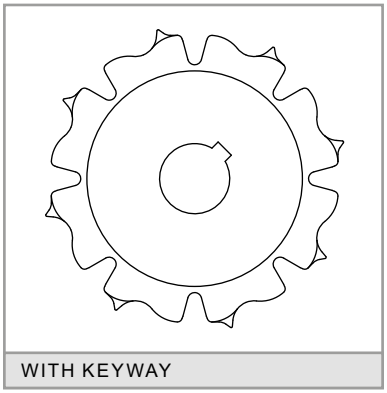
ACCESSORIES [SPROCKETS]

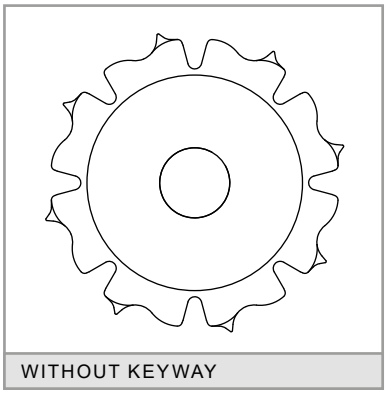




Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
6	100.00	40	1.5"	40	Polypropylene Polyacetal Stainless steel
8	130.65	40	1.5"	40	
10	161.80	40 60	1.5" 2.5"	40	
12	193.18	40 60	1.5" 2.5"	40	
16	256.29	40 60 90	1.5" 2.5" 3.5"	40	

SPROCKETS FOR SQUARE SHAFT


WITH KEYWAY


WITHOUT KEYWAY

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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

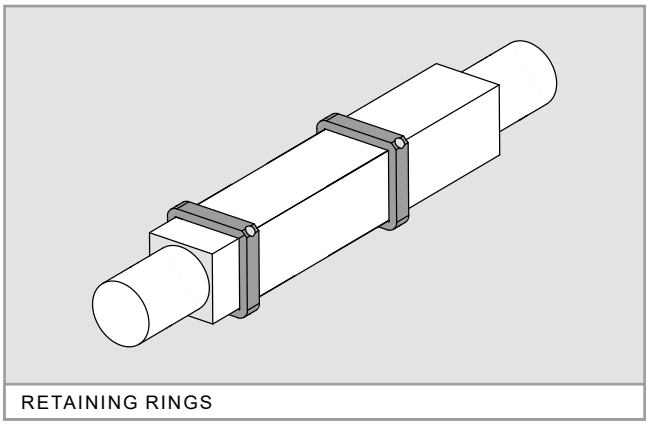
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

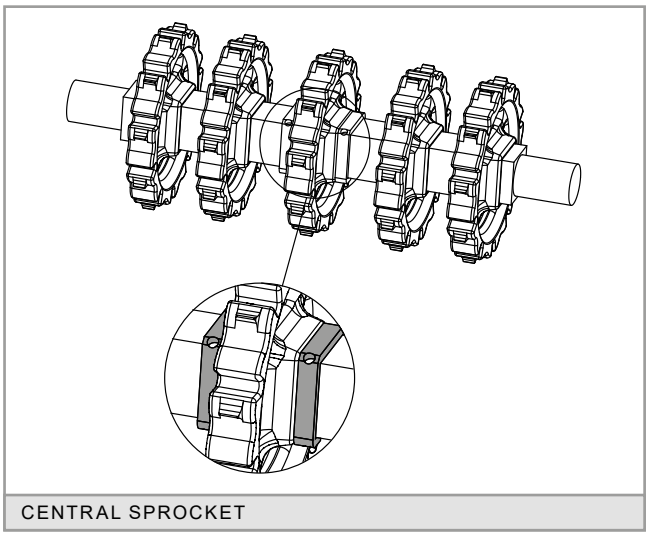
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

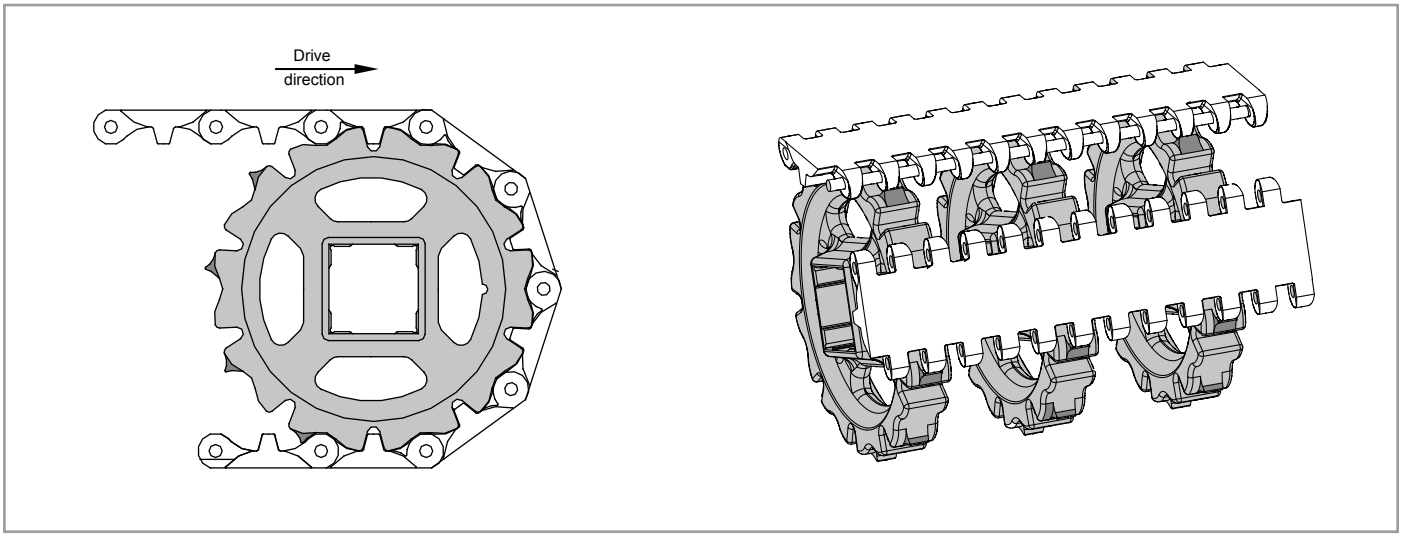
Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



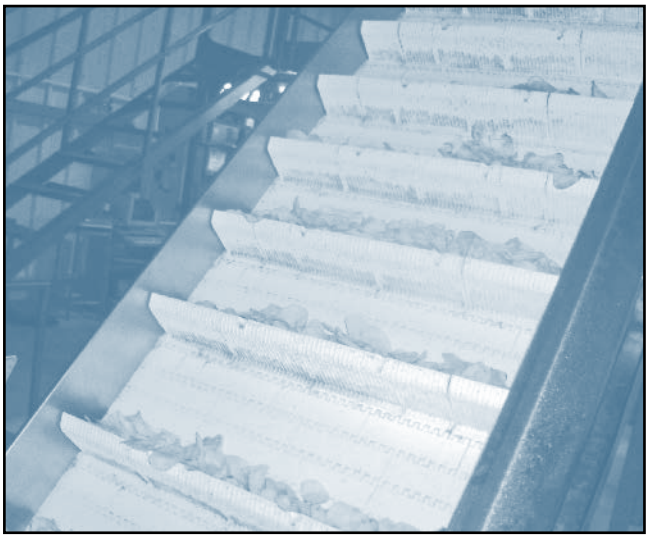
RETAINING RINGS



CENTRAL SPROCKET



ACCESSORIES [FLIGHTS]



The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

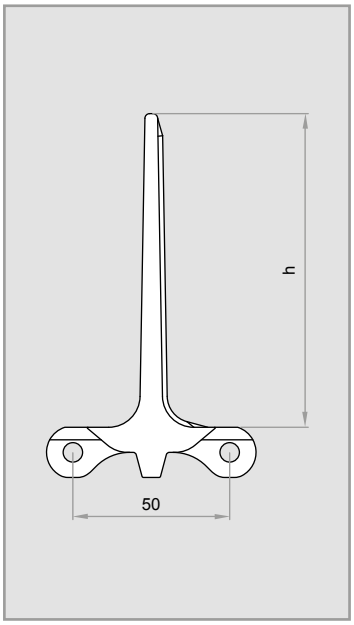
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

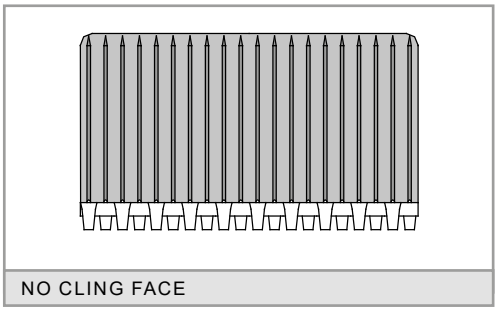
Their edges are completely rounded to avoid any damage of the product.

The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

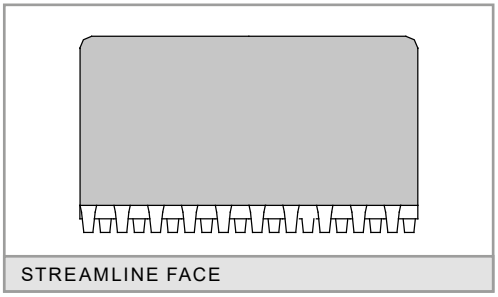
It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHT [STREAMLINE + NO CLING]

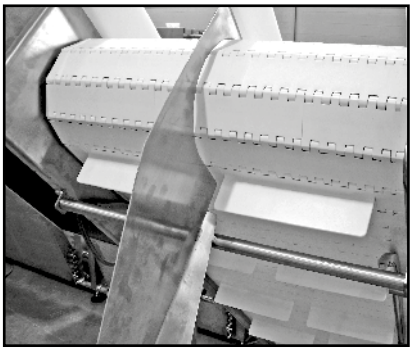




NO CLING FACE



STREAMLINE FACE

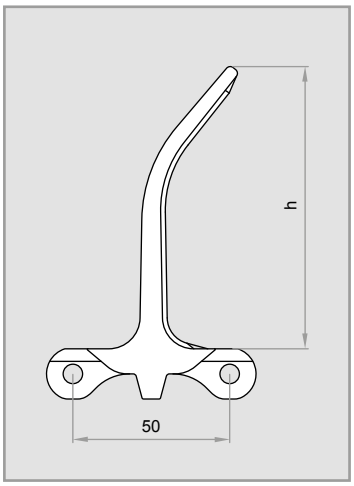


Height (h)	Materials
25 50 75 100 150	Polypropylene Polyethylene Polyacetal

[Dimensions in mm]

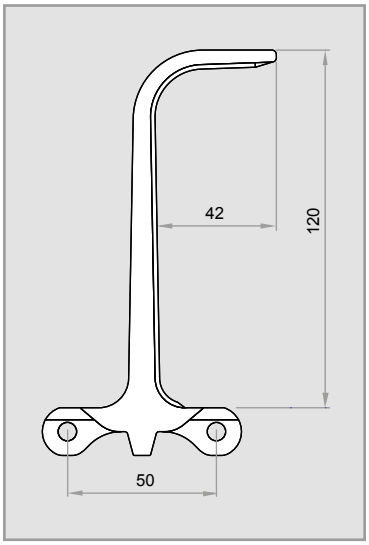
ACCESSORIES [FLIGHTS]

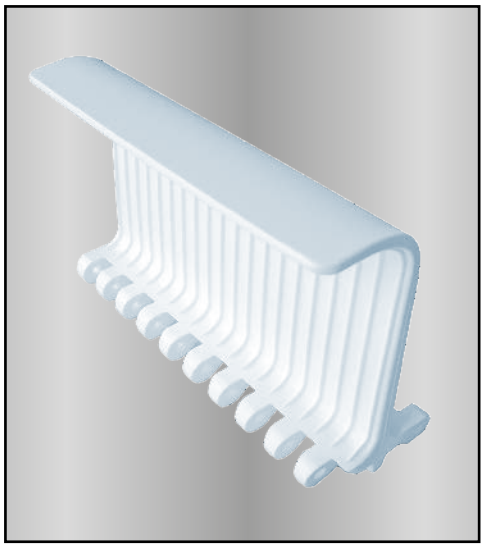
BENT FLIGHT



Accessories	Height (h)	Materials
Bent Flight [Streamline + No Cling]	45 70 90 140	Polypropylene Polyethylene Polyacetal

SCOOP FLIGHT

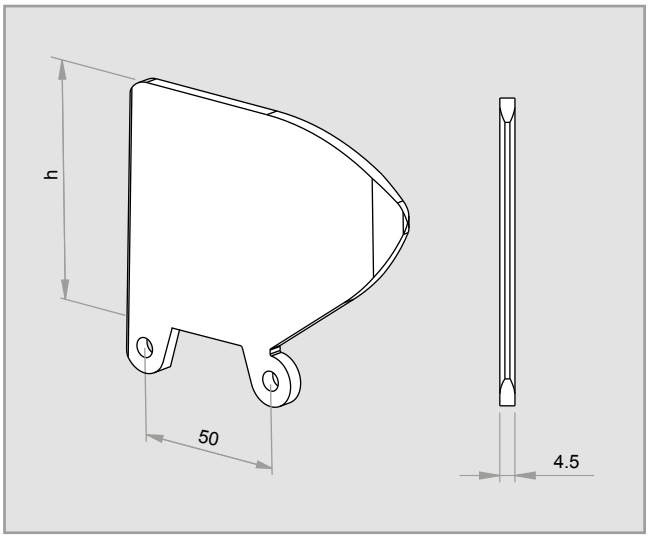


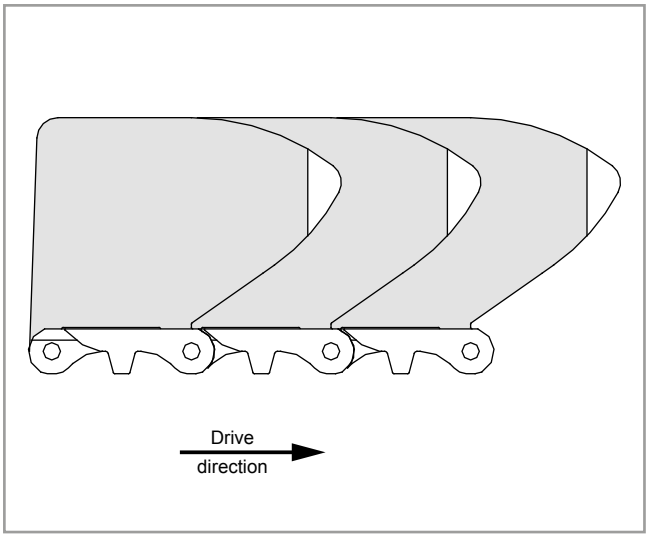


Height (h)	Materials
120	Polypropylene

[Dimensions in mm]

ACCESSORIES [SIDE GUARDS]

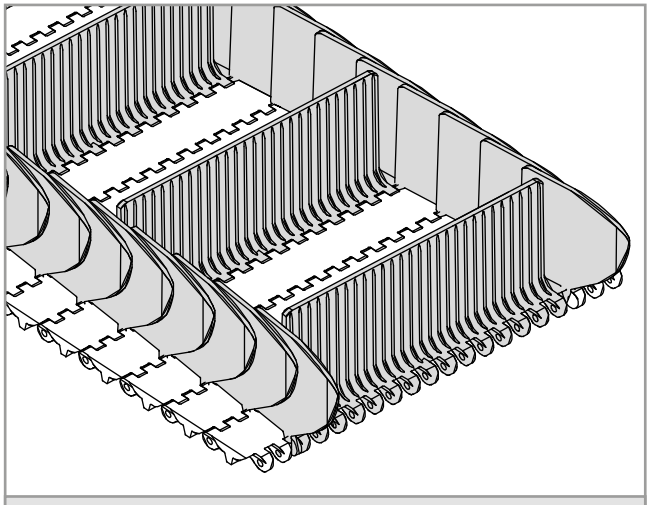




The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

Height (h)	Materials
50	Polypropylene
75	Polyethylene
100	Polyacetal

It is possible to cut down the standard height for special applications.

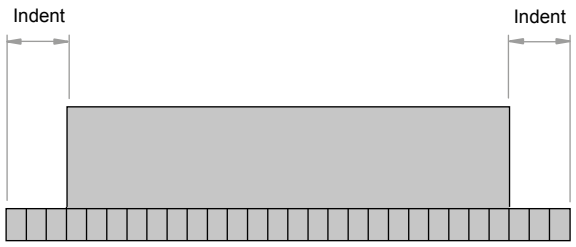


BELT WITH FLIGHTS AND SIDE GUARDS

[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

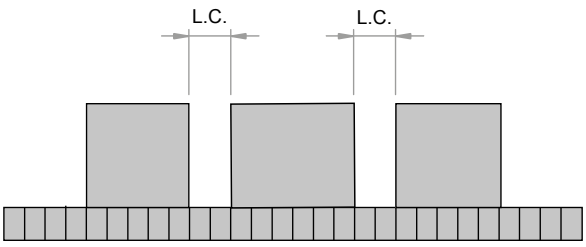
BELT ONLY WITH FLIGHTS



Indent = Multiples of 20 mm (minimum 40 mm).

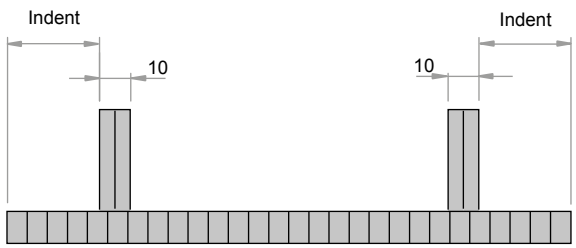
Distance between flights = Multiples of 100 mm.

BELT WITH LONGITUDINAL CUTS



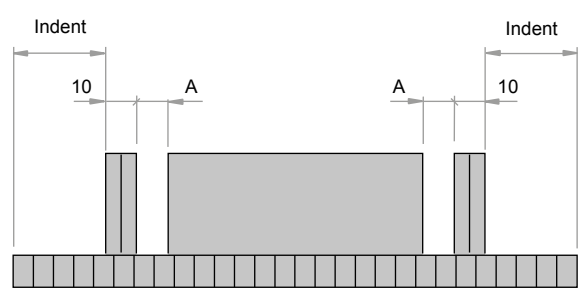
Flight longitudinal cut = increment of 20 mm (minimum 40 mm).

BELT ONLY WITH SIDE GUARDS



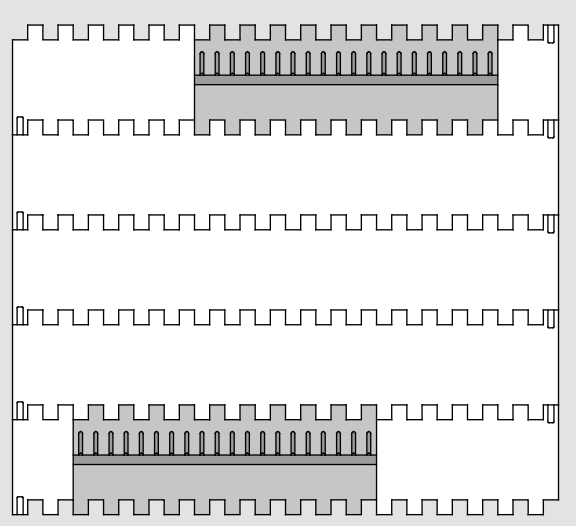
Indent	Minimum	FT	PF	FG
Multiples of 20 mm	20 mm	•		
Multiples of 20 + 5 mm	45 mm	•	•	•

BELT WITH FLIGHTS AND SIDE GUARDS

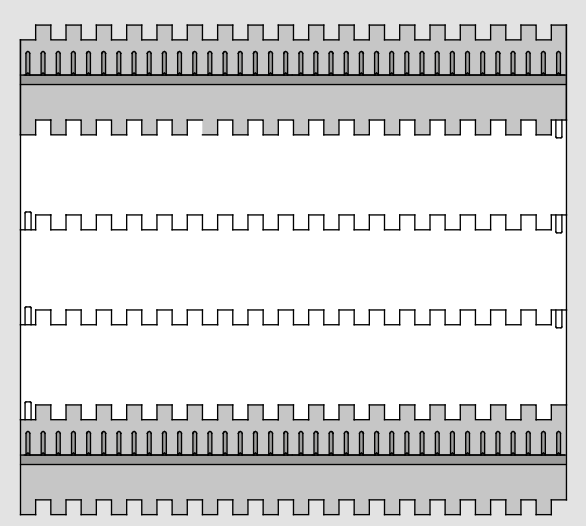


Indent	Minimum	"A"	FT	PF	FG
Multiples of 20 mm	20 mm	10 mm	•		
Multiples of 20 + 5 mm	45 mm	5 mm	•	•	•

BELT WITH ZIGZAG FLIGHTS

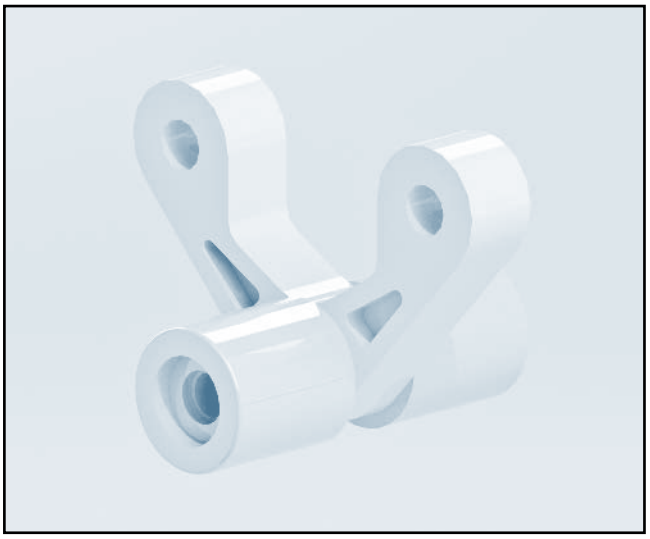


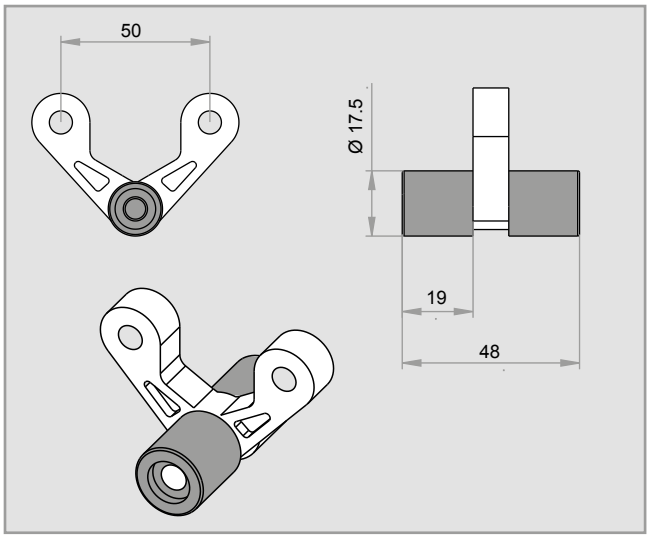
BELT WITH FLIGHTS, WITHOUT INDENT



[Dimensions in mm]

ACCESSORIES [HOLD-DOWN ROLLERS]





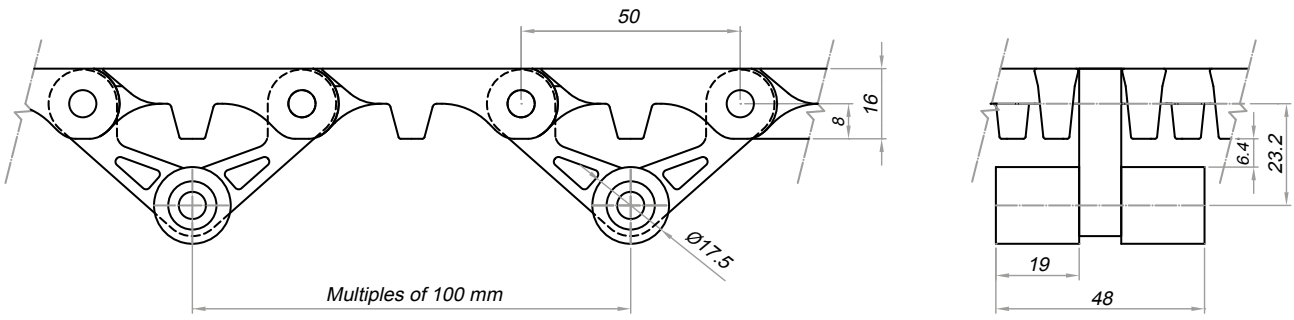
They are used to fasten the belt to the conveyor in all the inflexions.

In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 10 mm. Hold-down rollers cannot be used with the following sprockets:

Nº of teeth T	Bore for square shaft
6	40

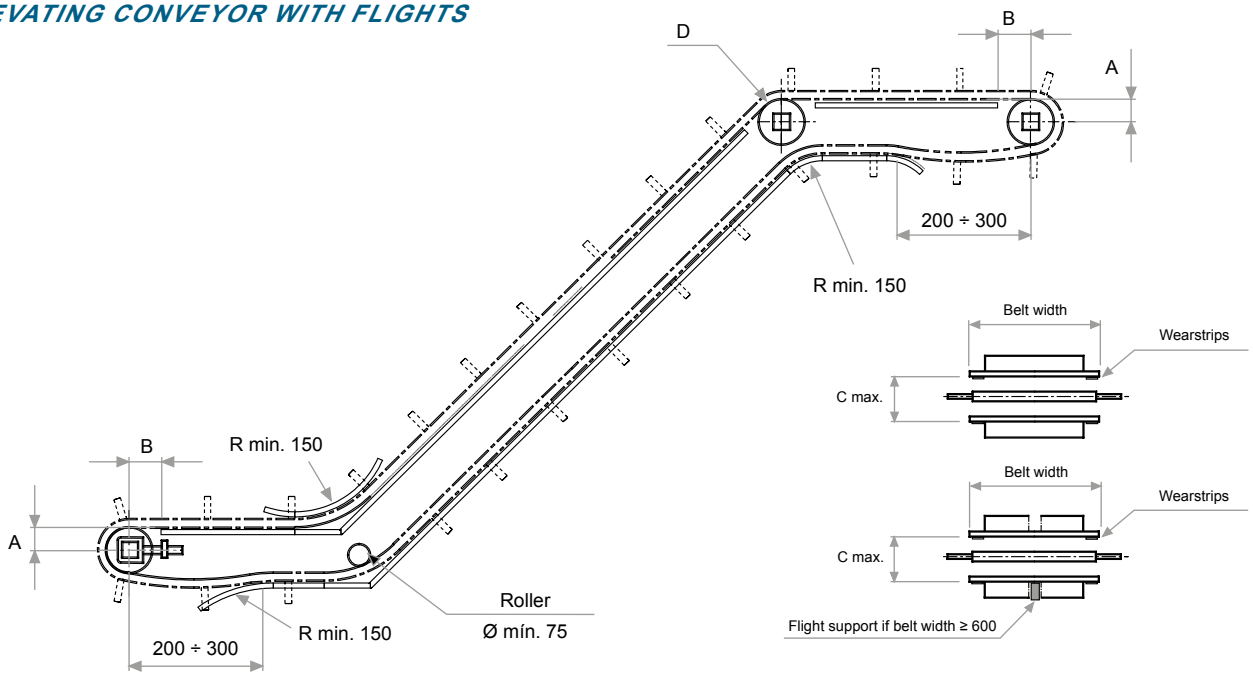


DESIGN DATA

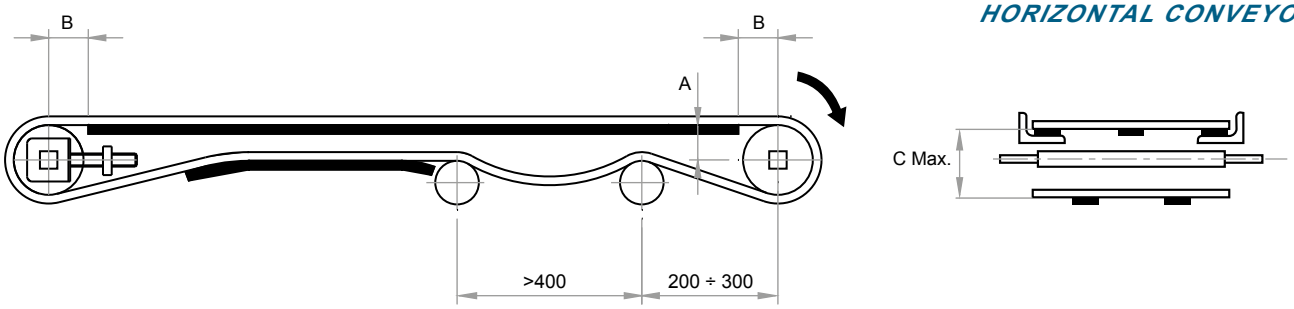
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
6	100	42	55	105
8	130.65	58	60	135
10	161.80	72	76	165
12	193.18	89	78	200
16	256.29	120	80	260

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
40	150	1	2	2
160	450	3	2	2
460	750	5	3	2
760	1,050	7	5	3
1,060	1,350	9	6	4
1,360	1,650	11	7	5
1,660	1,950	13	9	6
1,960	2,250	15	10	7
2,260	2,550	17	11	8
2,560	2,850	19	12	9
2,860	3,150	21	14	10
3,160	3,450	23	15	11
3,460	3,750	25	16	12
3,760	4,050	27	18	13

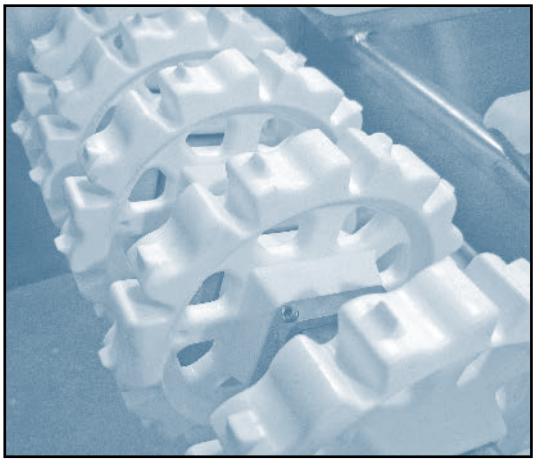
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.



SERIES E80

FLAT TOP

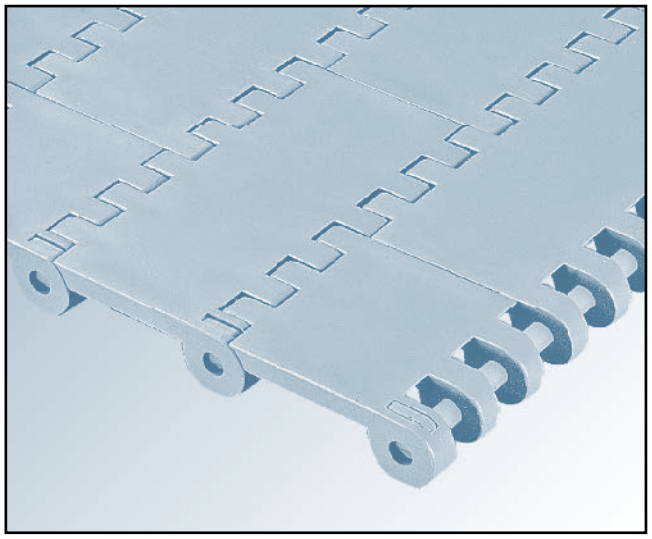
PERFORATED FLAT TOP

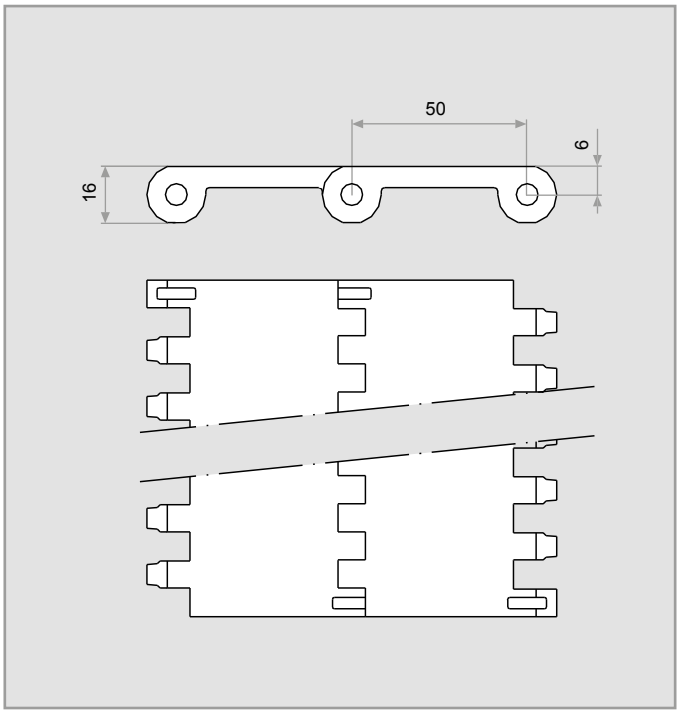
FLAT TOP

PERFORATED FLAT TOP

SERIES E80

SERIES E80 FLAT TOP





Eurobelt Series E80 Flat Top has smooth lower and upper surfaces, without any hole or cavity. It has been designed to achieve an easy and quick cleaning in applications with products that release liquid remains It is ideal for food industry in general and meat industry in particular, since knifes, punches, hooks, and other sharp tools can be used on the belt.

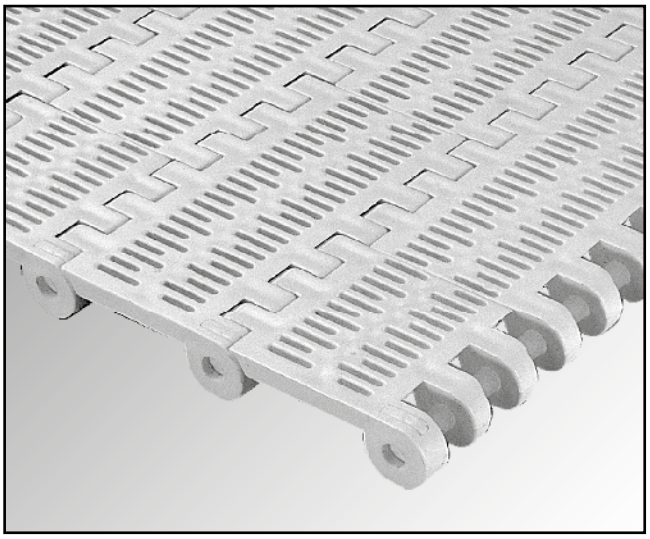
Pitch	50 mm
Surface	Flat Top
Open area	0 %
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 16 mm
Rod diameter	Ø 6 mm
Retention system	Cap

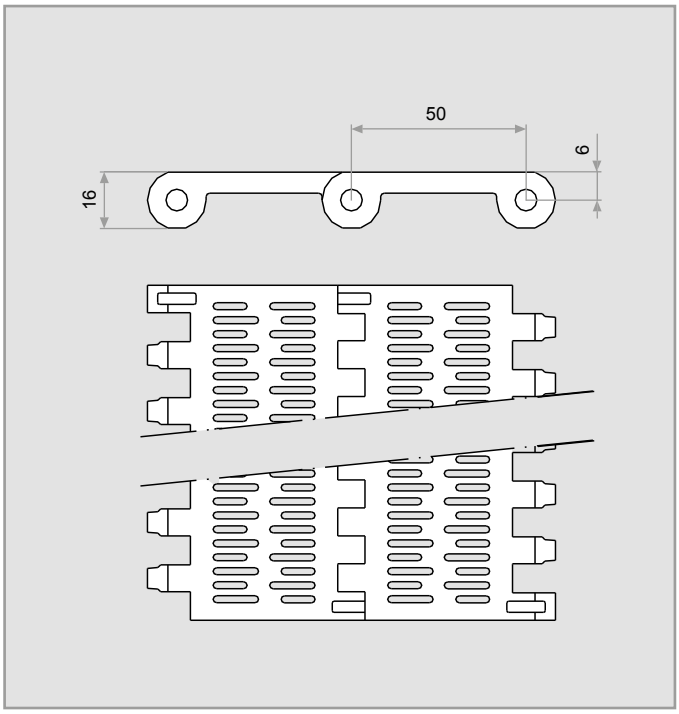
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,045	+1 to +104	6.73	[W] - [G] - [B]
PE - Polyethylene	PE - Polyethylene	475	-50 to +65	6.93	[N]
AC - Polyacetal	PP - Polypropylene	1,700	+1 to +90	10.12	[N] - [B]
	PE - Polyethylene	1,500	-40 to +65	10.16	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E80 PERFORATED FLAT TOP





Eurobelt Series E80 Perforated Flat Top 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: [13 x 2] and [10 x 2] mm.

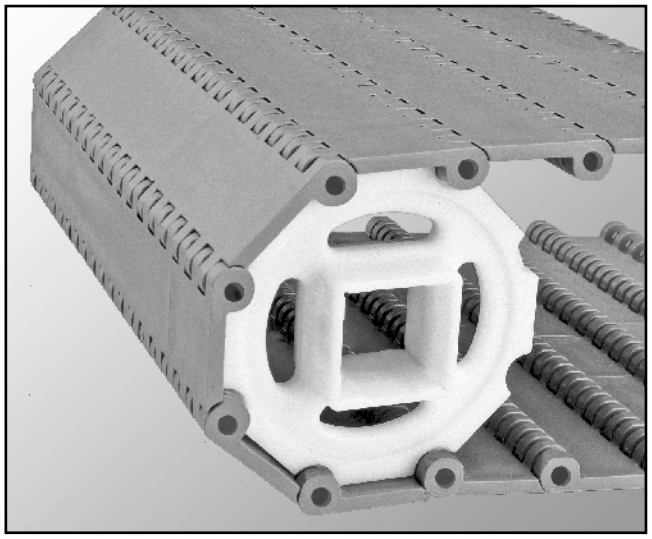
Pitch	50 mm
Surface	Perforated Flat Top
Open area	24 %
Dimensions of openings	[13 x 2] - [10 x 2] mm
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 16 mm
Rod diameter	Ø 6 mm
Retention system	Cap

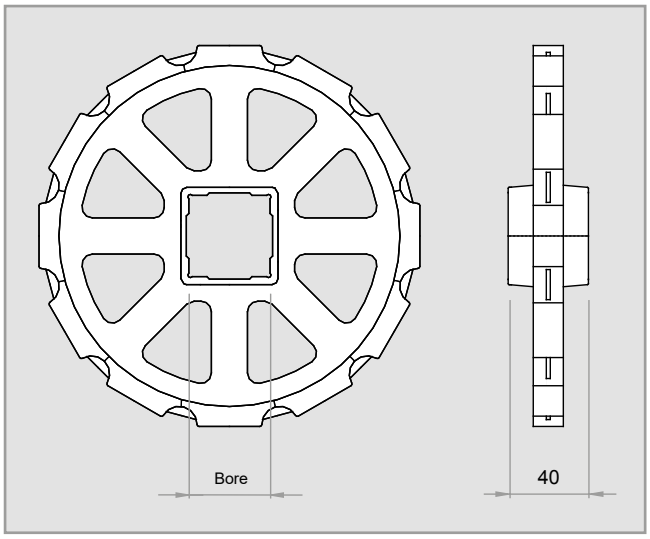
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
PP - Polypropylene	PP - Polypropylene	1,045	+1 to +104	5.40	[W] - [G]
PE - Polyethylene	PE - Polyethylene	475	-50 to +65	5.62	[N]
AC - Polyacetal	PP - Polypropylene	1,700	+1 to +90	8.15	[N] - [B]
	PE - Polyethylene	1,500	-40 to +65	8.19	[N] - [B]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

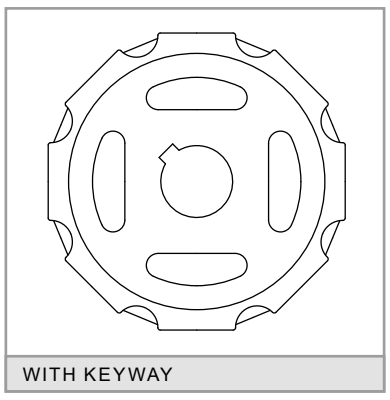
ACCESSORIES [SPROCKETS]





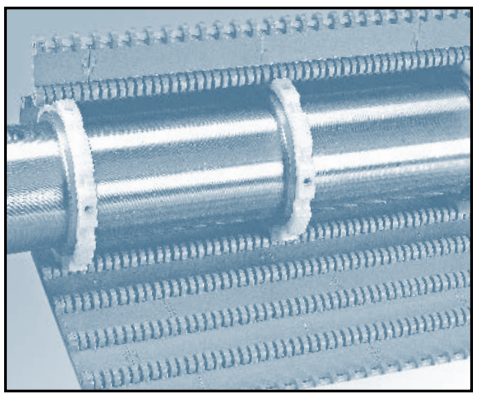
Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
8	130,6	40	1.5"	40	Polypropylene Polyacetal Stainless steel
10	161,8	40 60	1.5"	40	
12	193,2	40 60	1.5"	40	
16	256,3	40 60 90	1.5"	40	

SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY

WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

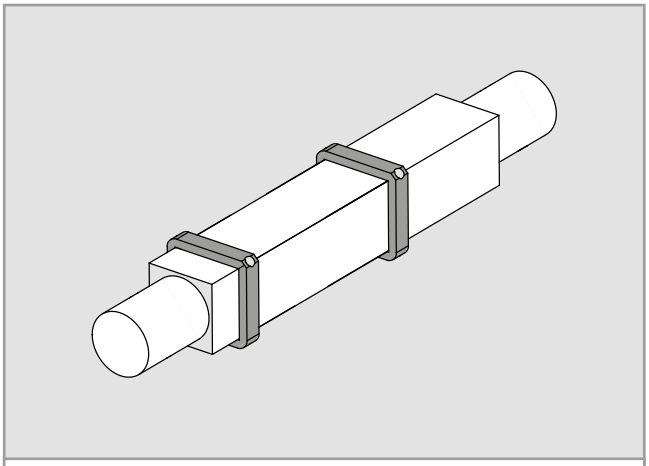
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

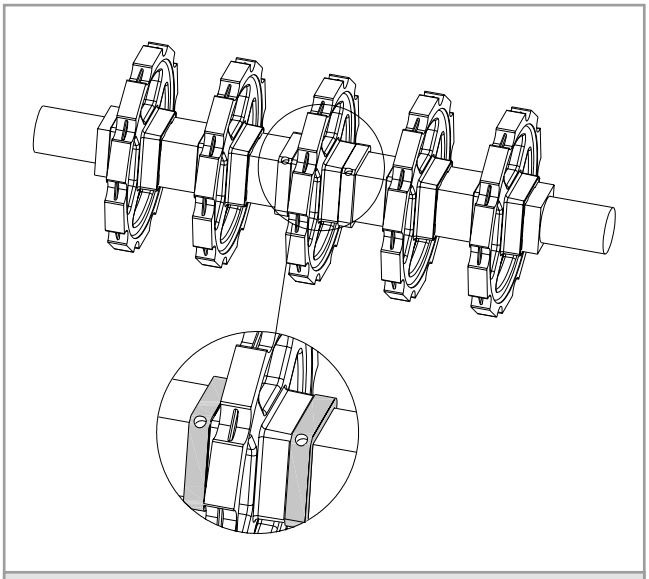
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



RETAINING RINGS



CENTRAL SPROCKET

ACCESSORIES [FLIGHTS AND SIDE GUARDS]

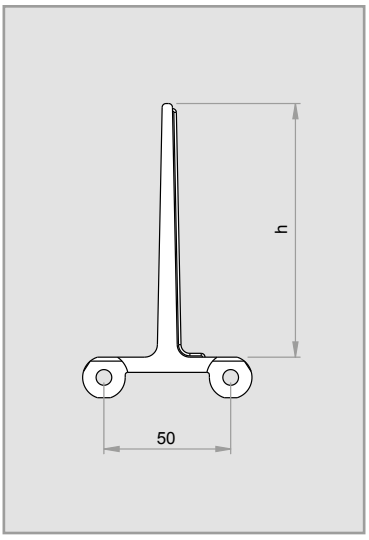
The **flights** are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

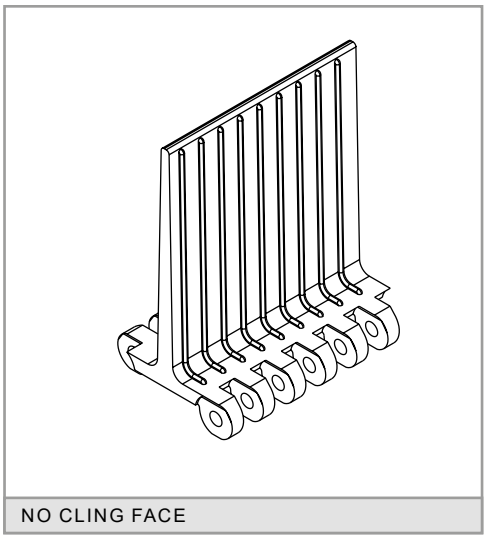
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

The **side guards** are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

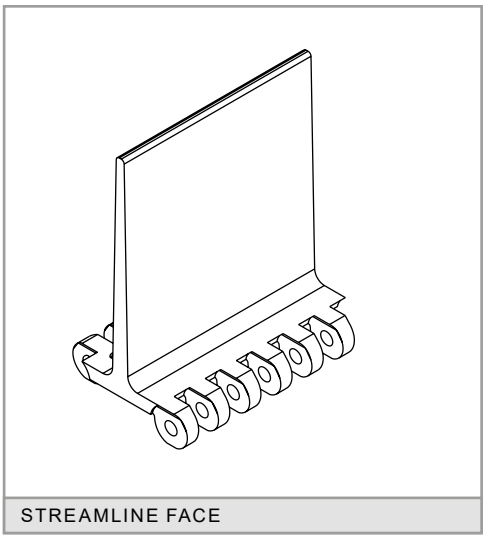
It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHT [STREAMLINE + NO CLING]





NO CLING FACE

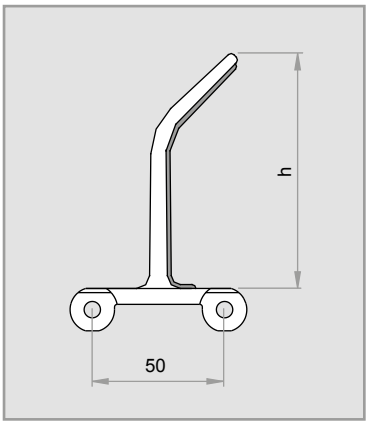


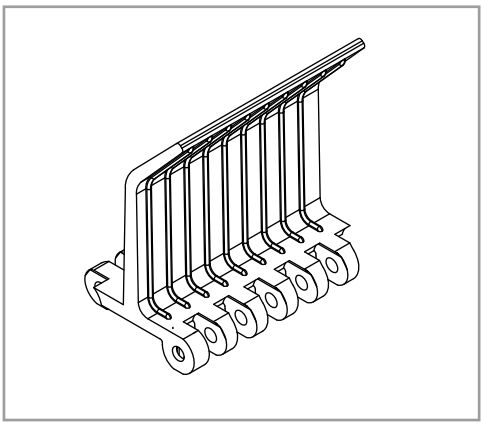
STREAMLINE FACE

Height (h)	Materials
25 50 75 100 150	Polypropylene Polyethylene Polyacetal

[Dimensions in mm]

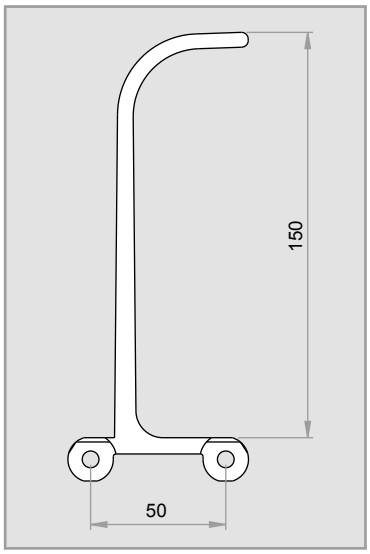
BENT FLIGHT

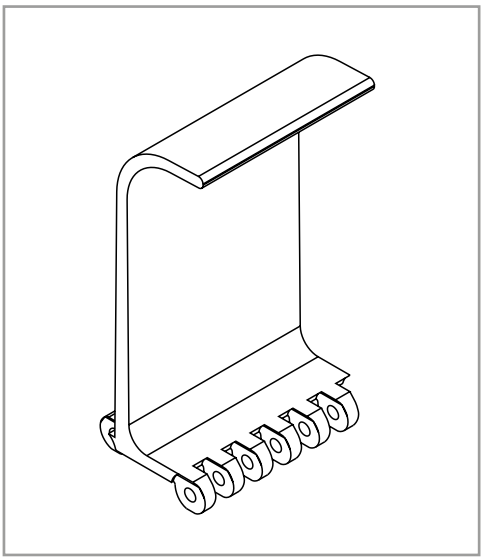


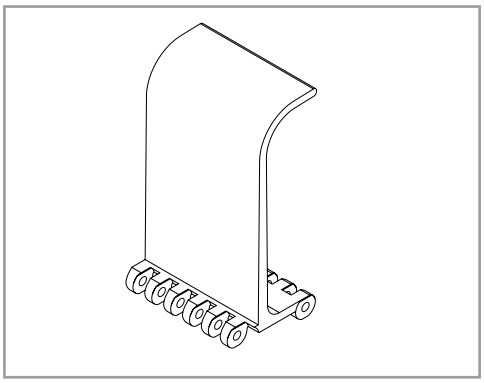


Height (h)	Materials
45 70 90 140	Polypropylene Polyethylene Polyacetal

SCOOP FLIGHT

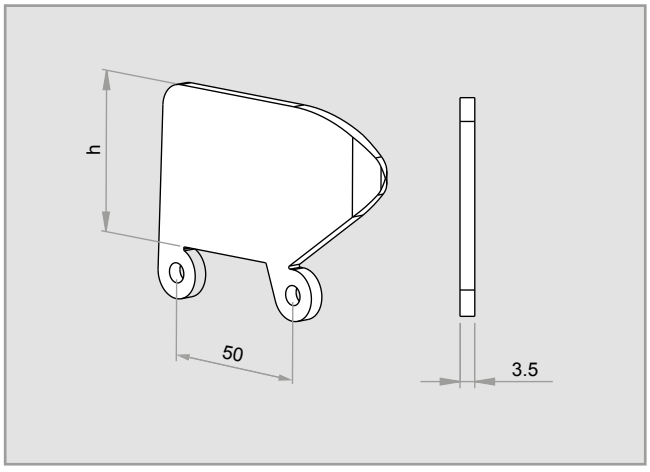


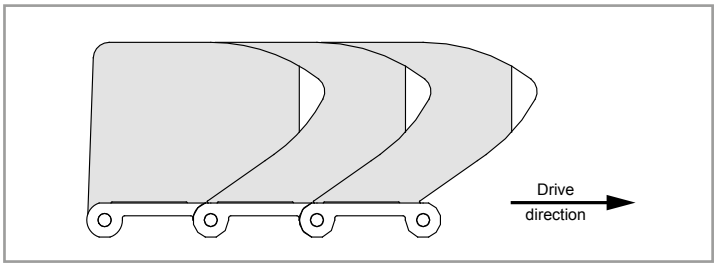




Height (h)	Materials
150	Polypropylene Polyethylene

SIDE GUARDS



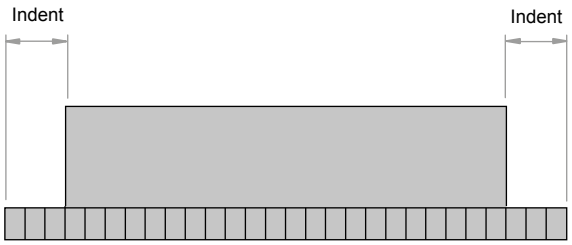


Height (h)	Materials
50 75 100	Polypropylene Polyethylene Polyacetal

[Dimensions in mm]

TECHNICAL DATA [FLIGHTS AND SIDE GUARDS]

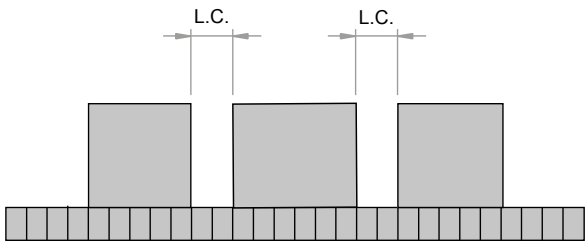
BELT ONLY WITH FLIGHTS



Indent = Multiples of 16 mm (32 mm the minimum).

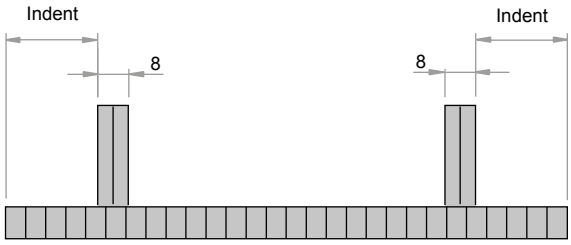
Distance between flights = Multiples of 100.

BELT WITH LONGITUDINAL CUTS



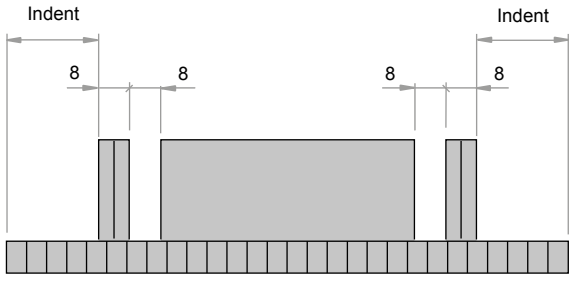
Flight longitudinal cut = Increment of 16 mm (minimum 32 mm)

BELT ONLY WITH SIDE GUARDS



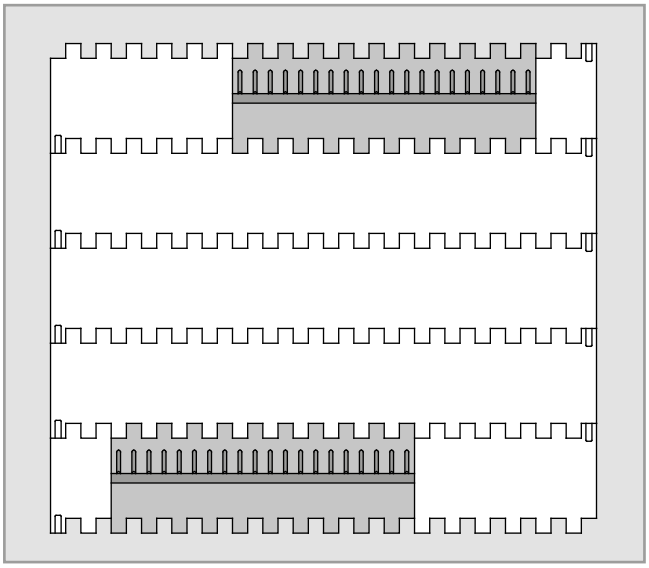
Indent = Multiples of 16 mm (32 mm the minimum).

BELT WITH FLIGHTS AND SIDE GUARDS

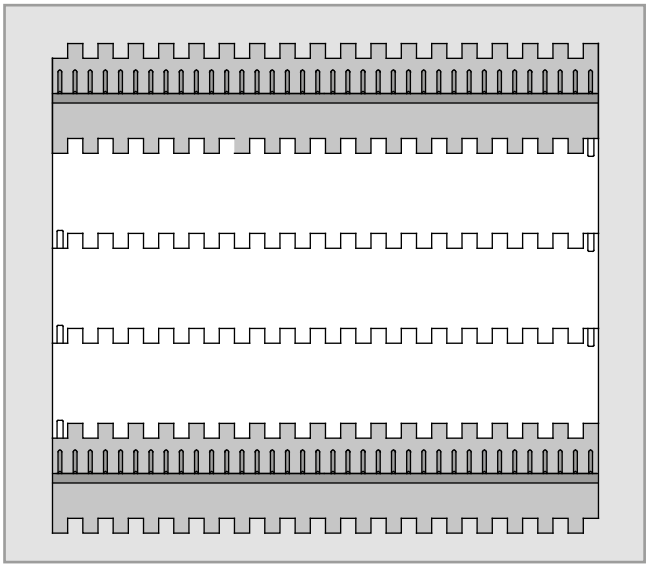


Indent = Multiples of 16 mm (32 mm the minimum).

BELT WITH ZIGZAG FLIGHTS

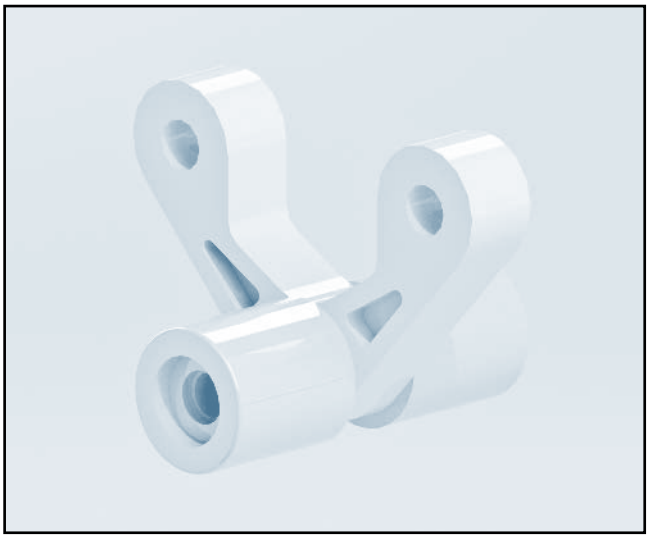


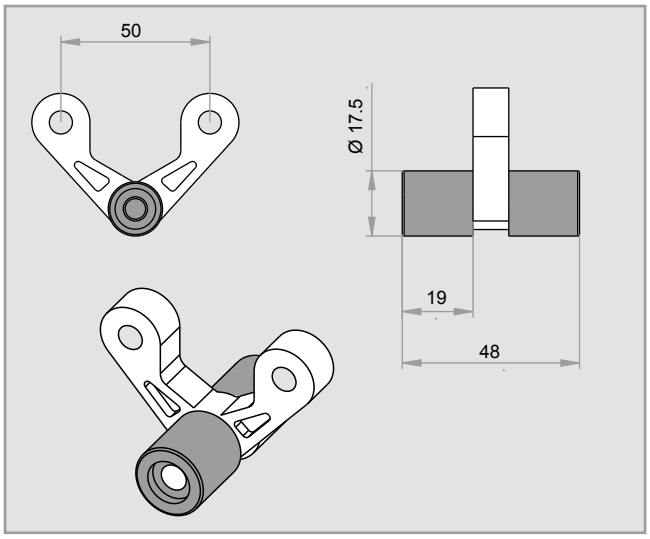
BELT WITH FLIGHTS, WITHOUT INDENT



[Dimensions in mm]

ACCESSORIES [HOLD-DOWN ROLLERS]

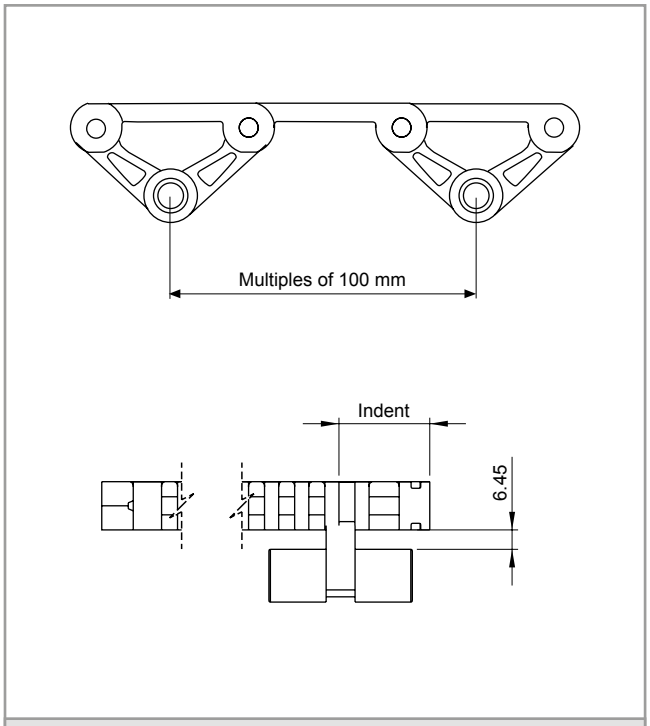




They are used to fasten the belt to the conveyor in all the inflexions. In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

They will roll along rails fastened throughtout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 8 mm + 4. Hold-down rollers can be used with any sprocket in Series E80.

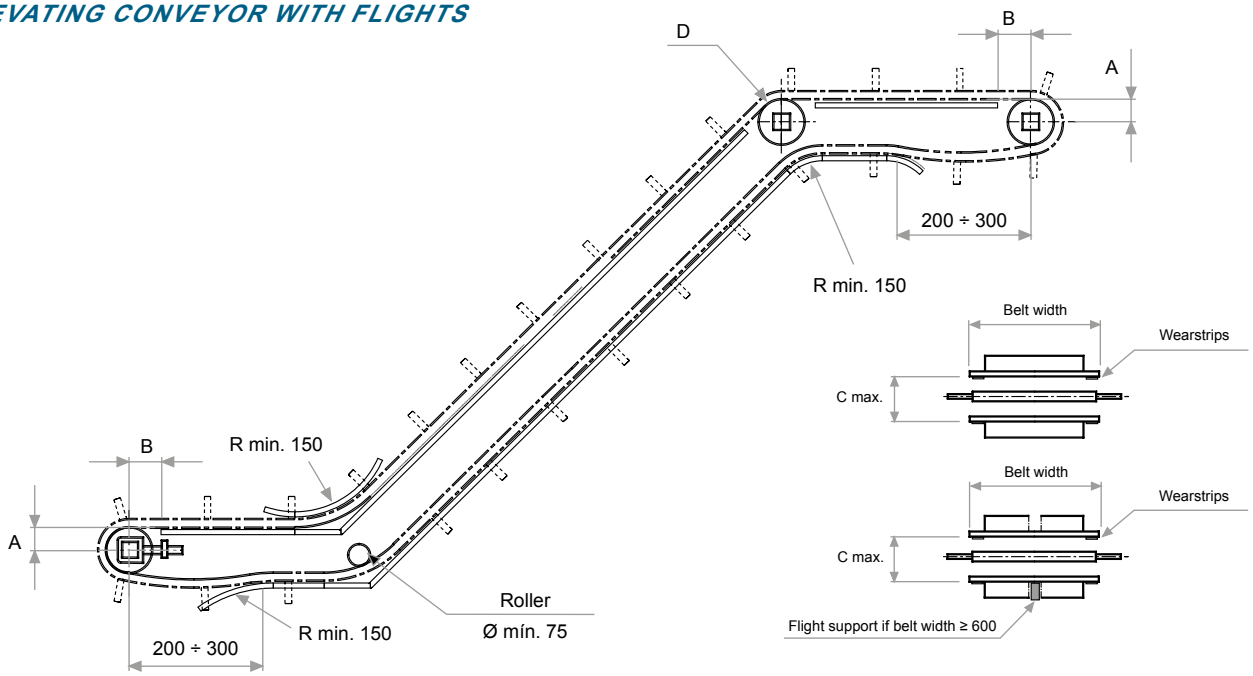


DESIGN DATA

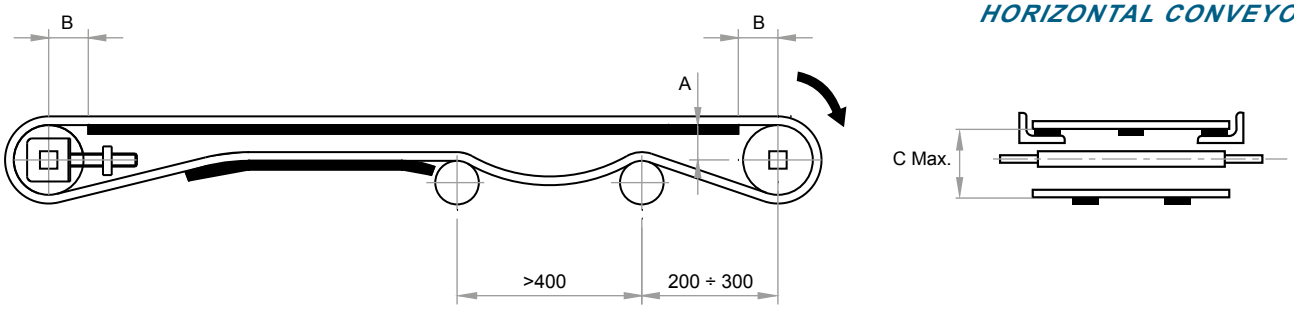
[Dimensions in mm]

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
8	130.65	58	60	135
10	161.8	72	76	165
12	193.18	89	78	200
16	256.29	120	80	260

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
80	144	1	2	2
160	448	3	2	2
464	752	5	3	2
768	1,056	7	5	3
1,072	1,344	9	6	4
1,360	1,648	11	7	5
1,664	1,952	13	9	6
1,968	2,256	15	10	7
2,272	2,544	17	11	8
2,560	2,848	19	12	9
2,864	3,152	21	14	10
3,168	3,456	23	15	11
3,472	3,744	25	16	12
3,760	4,048	27	18	13

To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.

SERIES E93

CURVES

FLUSH GRID S/L

CONIC FRICTION

FLUSH GRID C/L

SLIDING ROLLERS

CONIC

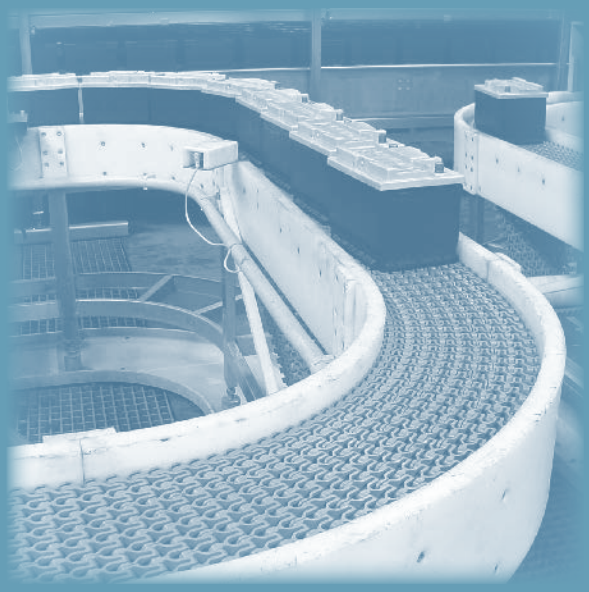
FLUSH GRID S/L

CONIC FRICTION

FLUSH GRID C/L

SLIDING ROLLERS

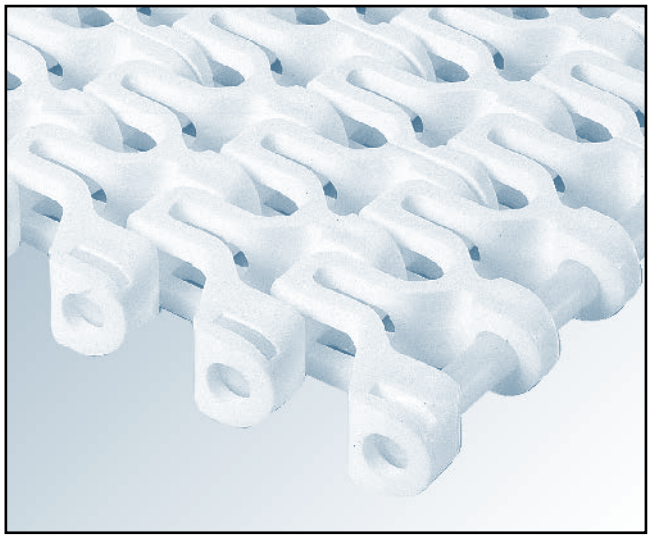
CONIC



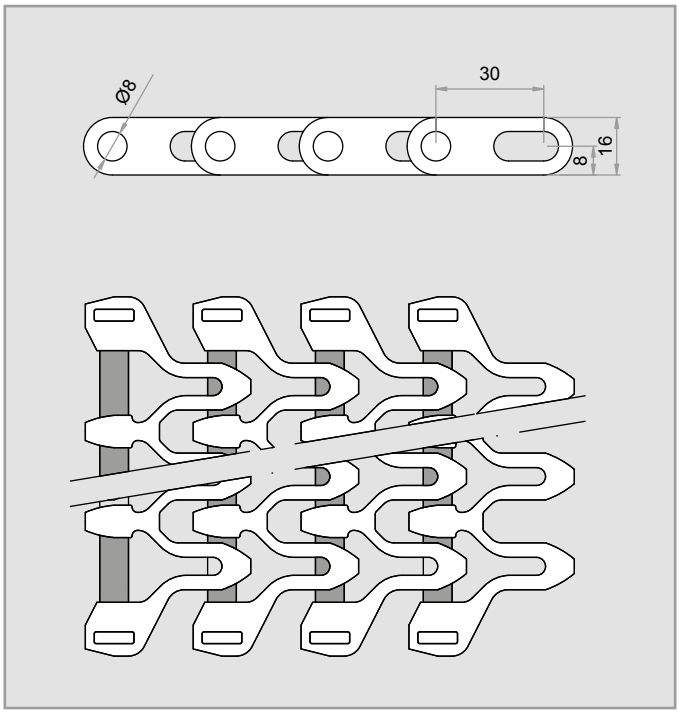
SERIES E93

CURVES

SERIES E93 FLUSH GRID WITHOUT EDGE TAB



This conveyor belt has Flush Grid geometry, with a 47% open area, and smooth and rounded edges, which provides an excellent drainage, a very easy cleaning, good sliding properties, as well as very low maintenance costs.



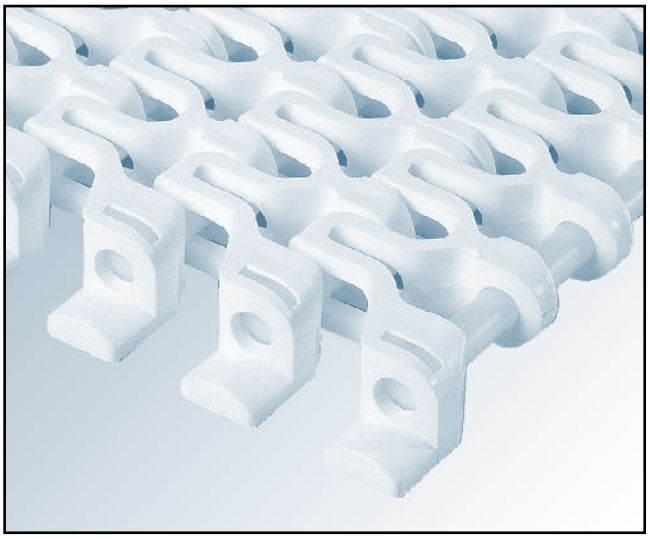
Pitch	30 mm
Surface	Flush Grid without edge tab
Open area	47 %
Maximum opening (approx.)	[22 x 5] mm
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 25 mm
Turn radius for curves	2.2 times the belt width
Rod diameter	Ø 8 mm
Retention system	Clip

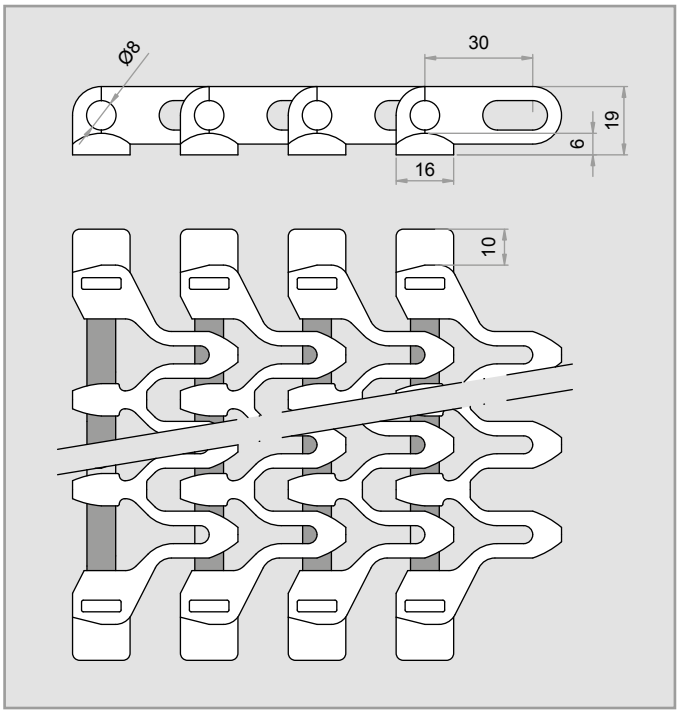
Material of the belt	Material of the rod	Belt strength		Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
		Straight (kg/m)	Curved (kg)			
PP - Polypropylene	AC - Polyacetal	2,400	170	+1 to +90	7.14	[W] - [G]
PE - Polyethylene		1,520	100	-50 to +65	7.39	[N[
AC - Polyacetal		3,800	170	-40 to +90	9.80	[B] - [N]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

[Dimensions in mm]

SERIES E93 FLUSH GRID WITH EDGE TAB





Their tabs are lateral ends located in the lower edge of the belt and are used to fasten it without interfering in the transport area, so that the product can exceed the belt width in the turns.
The rounded shape of the tabs reduces the points of friction with the hold-down profiles, which contributes to increase the life of the belt.

Pitch	30 mm
Surface	Flush Grid with edge tab
Open area	47 %
Maximum opening (approx.)	[22 x 5] mm
Thickness	19 mm
Drive system	Hinge
Belt width	Multiples of 25 mm (1)
Turn radius for curves	2.2 times the belt width
Rod diameter	Ø 8 mm
Retention system	Clip

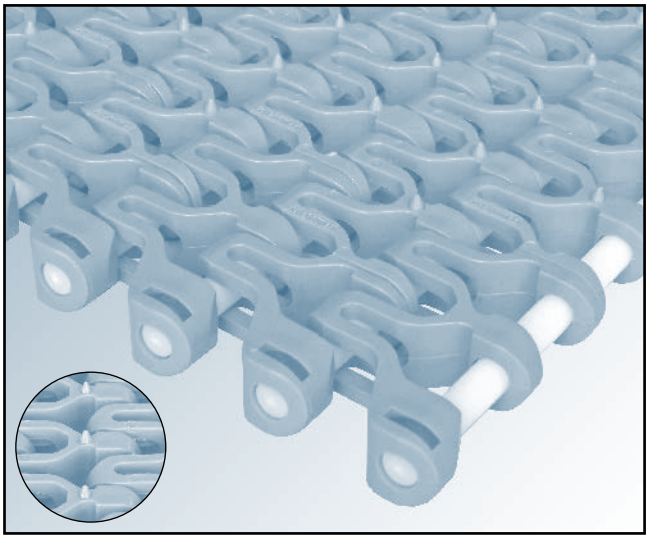
Material of the belt	Material of the rod	Belt strength		Temperature range (ºC)	Belt weight (kg/m²)	Available colours in stock
		Straight (kg/m)	Curved (kg)			
PP - Polypropylene	AC - Polyacetal	2,400	170	+1 to +90	7.23	[W] - [G]
PE - Polyethylene		1,520	100	-50 to +65	7.44	[N[
AC - Polyacetal		3,800	170	-40 to +90	9.93	[B] - [N]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

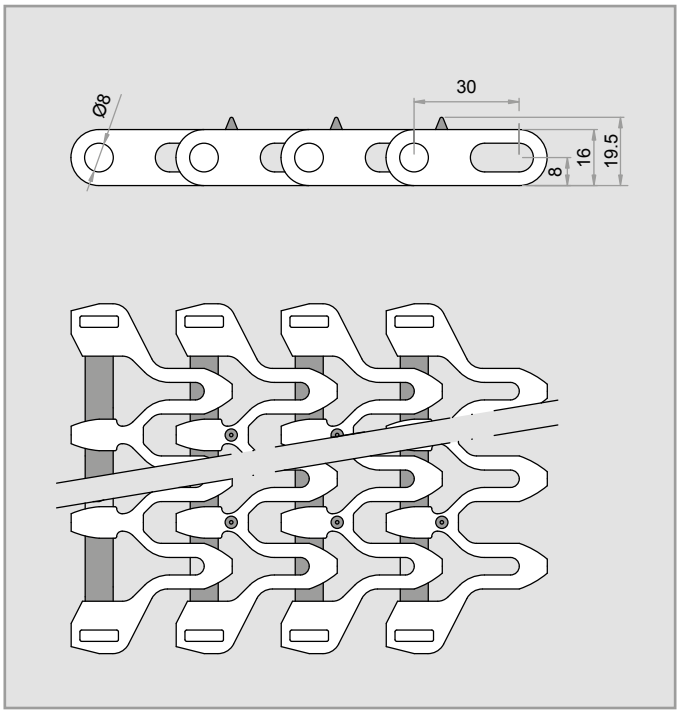
(1) *For a belt with tabs, its width will always be referred to the usable width without taking into account the tabs.*

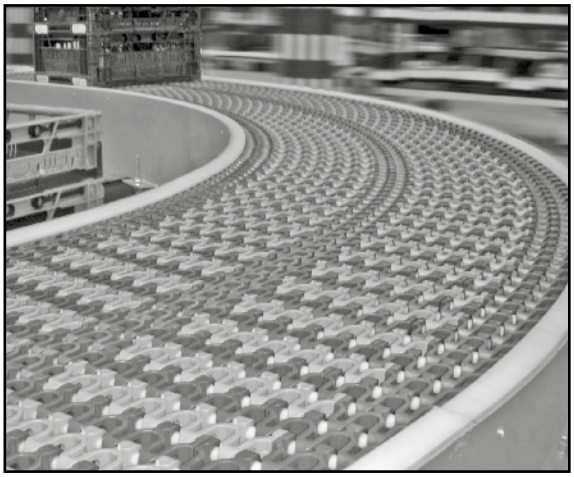
[Dimensions in mm]

SERIES E93 CONIC



Eurobelt Series E93 Conic has a smooth surface with small conic-shaped projections that provide a greater coefficient of friction, as well as they avoid the slippery products to change their position during the conveyance.





Pitch	30 mm
Surface	Conic
Open area	47 %
Drive system	Hinge
Belt width	Multiples of 25 mm (1)
Turn radius for curves	2.2 times the belt width
Rod diameter	Ø 8 mm
Retention system	Clip
Indent	[37.5] - [62.5] - [87.5] mm
Spacing of conic	Multiples of 30 mm

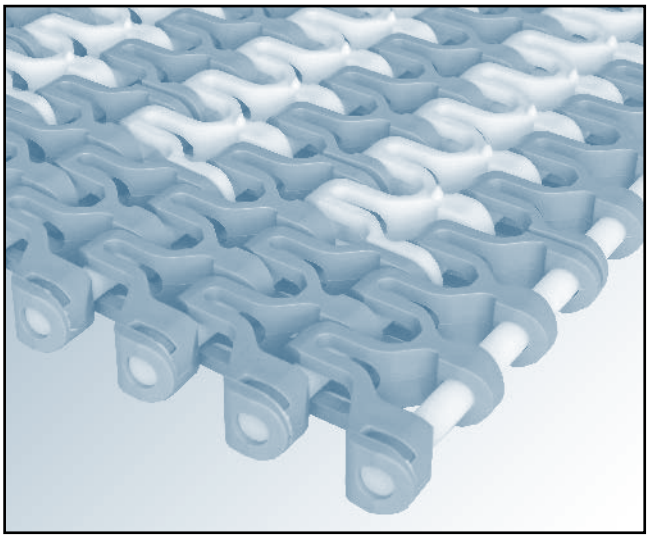
Material of the belt	Material of the rod	Belt strength		Temperature range (ºC)	Available colours in stock
		Straight (kg/m)	Curved (kg)		
PP - Polypropylene	AC - Polyacetal	2,400	170	+1 to +90	[W] - [G]
PE - Polyethylene		1,520	100	-50 to +65	[N[
AC - Polyacetal		3,800	170	-40 to +90	[B] - [N]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

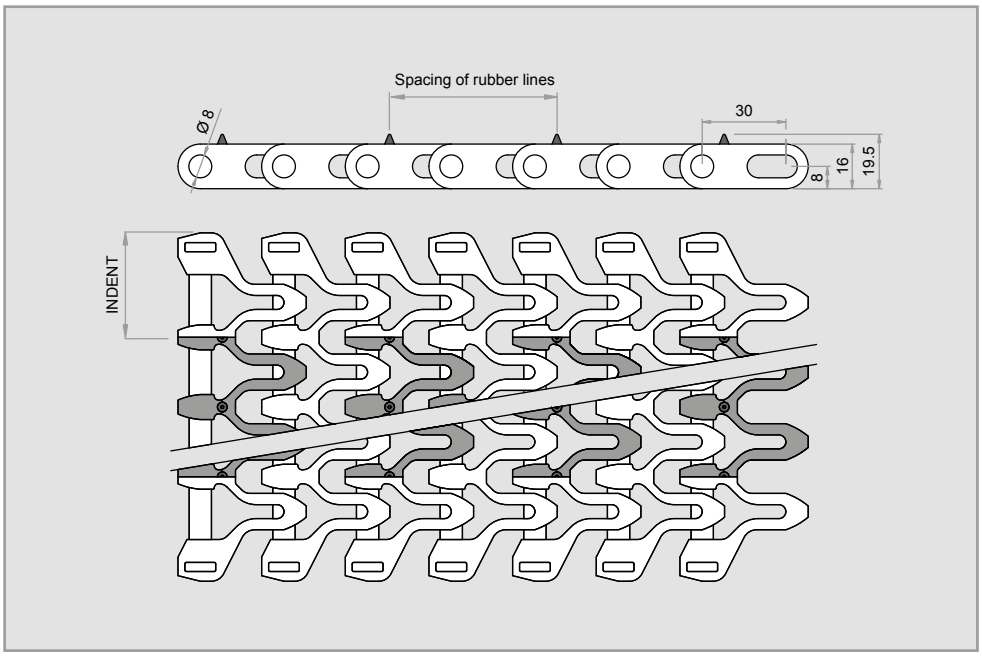
(1) For a belt with tabs, its width will always be referred to the usable width without taking into account the tabs.

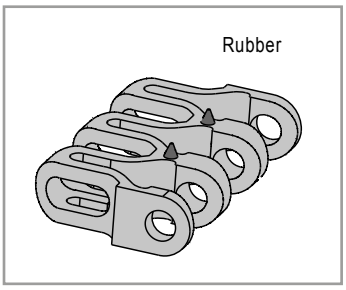
[Dimensions in mm]

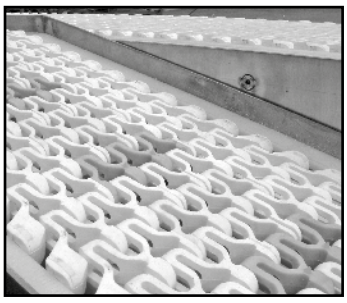
SERIES E93 CONIC FRICTION



Pitch	30 mm
Surface	Conic Friction
Open area	47 %
Drive system	Hinge
Belt width	Multiples of 25 mm (1)
Turn radius for curves	2.2 times the belt width
Rod diameter	Ø 8 mm
Retention system	Clip
Rubber hardness grades	Shore A60
Indent	[37.5] - [62.5] - [87.5] mm
Spacing of rubber lines	Multiples of 30 mm, minimum 60 mm







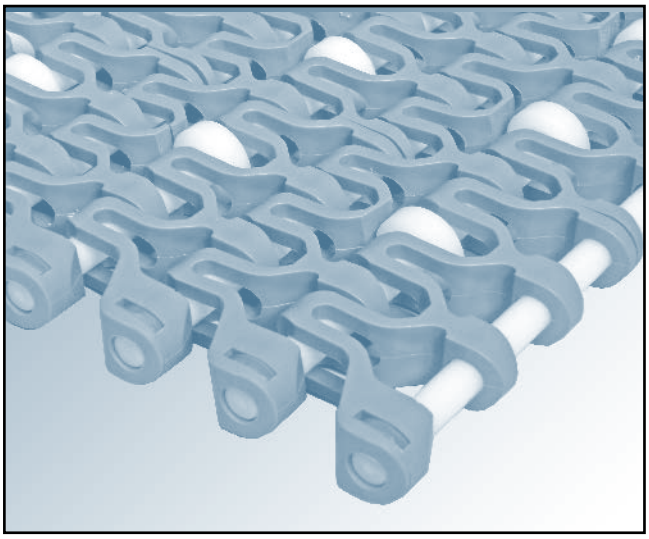
Surface of the belt	Material of the belt	Material of the rod	Belt strength		Temperature range (ºC)	Available colours in stock
			Straight (kg/m)	Curved (kg)		
Flush Grid	PP - Polypropylene	AC - Polyacetal	2,400	170	+1 to +90	[W] - [G]
	PE - Polyethylene		1,520	100	-50 to +65	[N[
	AC - Polyacetal		3,800	170	-40 to +90	[B] - [N]

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

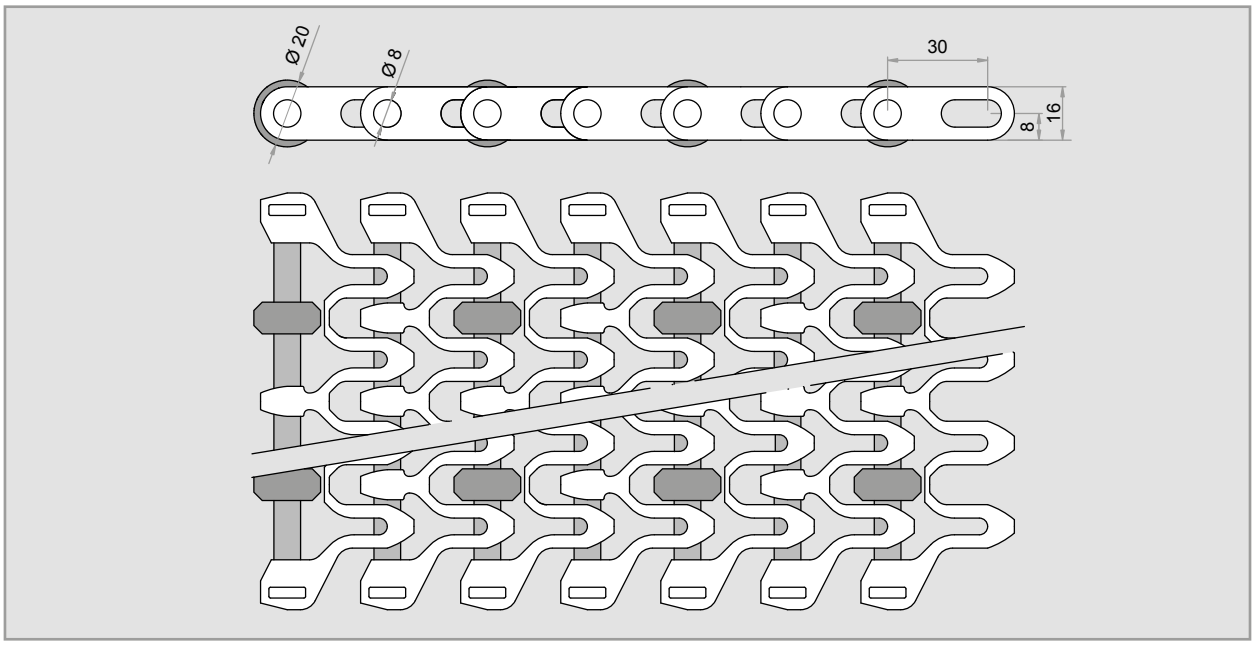
(1) *For a belt with tabs, its width will always be referred to the usable width without taking into account the tabs.*

[Dimensions in mm]

SERIES E93 SLIDING ROLLERS



Pitch	30 mm
Surface	Sliding Rollers
Drive system	Hinge
Belt width	Multiples of 25 mm (1)
Turn radius for curves	2.2 times the belt width (2)
Rod diameter	Ø 8 mm
Retention system	Clip
Diameter of small roller	Ø 20 mm
Width of small roller	10 mm
Material of small roller	Polyacetal
Sliding Rollers pitch	Multiples of 30 mm



Surface of the belt	Material of the belt	Material of the rod	Belt strength		Temperature range (°C)	Available colours in stock
			Straight (kg/m)	Curved (kg)		
Flush Grid	PP - Polypropylene	AC - Polyacetal	On Request		+1 to +90	[W] - [G]
	PE - Polyethylene				-50 to +65	[N[
	AC - Polyacetal				-40 to +90	[B] - [N]

This conveyor belt has been designed mainly to solve problems of conveyance of boxes, containers, etc.

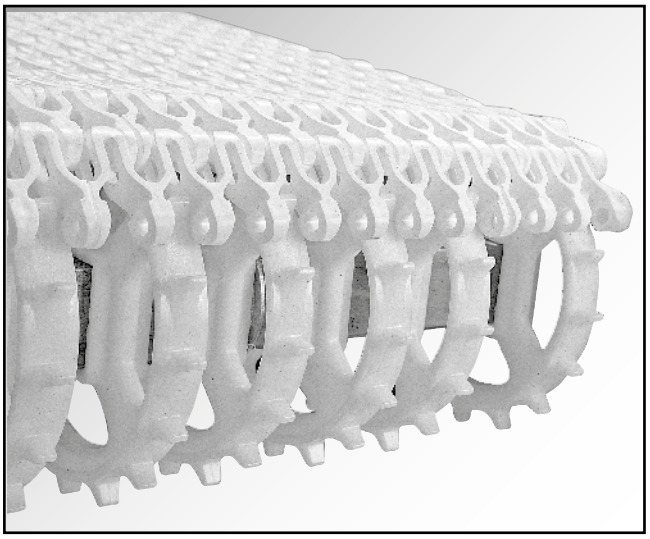
Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black. // The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

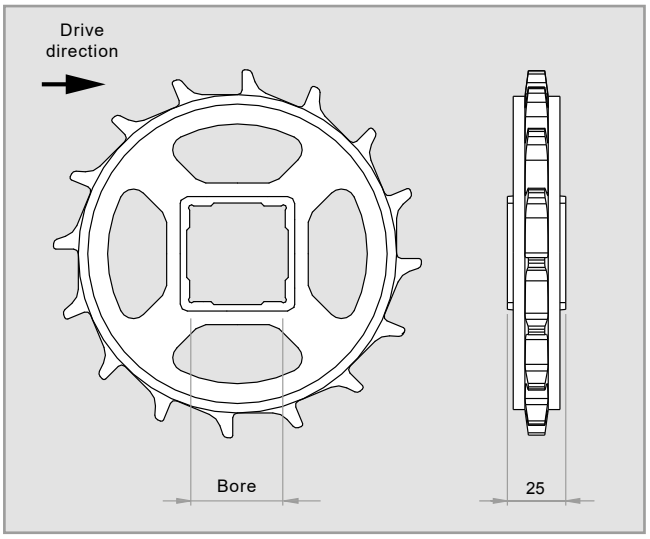
(1) *For a belt with tabs, its width will always be referred to the usable width without taking into account the tabs.*

(2) *The turn radius can vary according to the existing gap between the belt end and the closest roller.*

[Dimensions in mm]

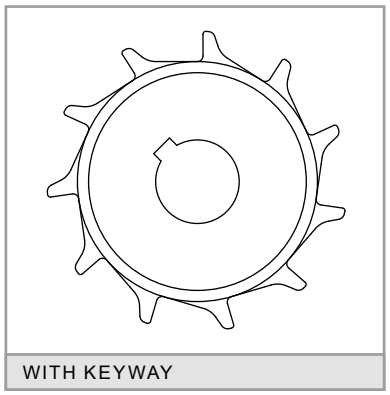
ACCESSORIES [SPROCKETS]



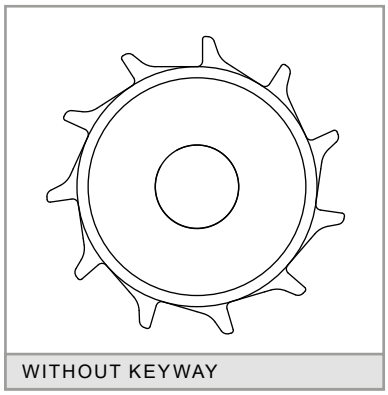


Nº of teeth T	Pitch diameter	Bore for square shaft		Hub width	Materials
		mm	inch		
11	106.5	40	1,5"	25	Polypropylene
16	153.5	40 60	1,5"	25	Polyacetal
20	191.5	40 60	1,5"	25	Stainless steel

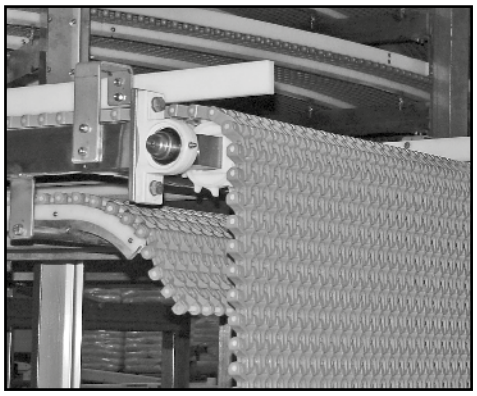
SPROCKETS FOR SQUARE SHAFT



WITH KEYWAY



WITHOUT KEYWAY



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.

[Dimensions in mm]

ACCESSORIES [RETAINING RINGS]

INSTALLATION

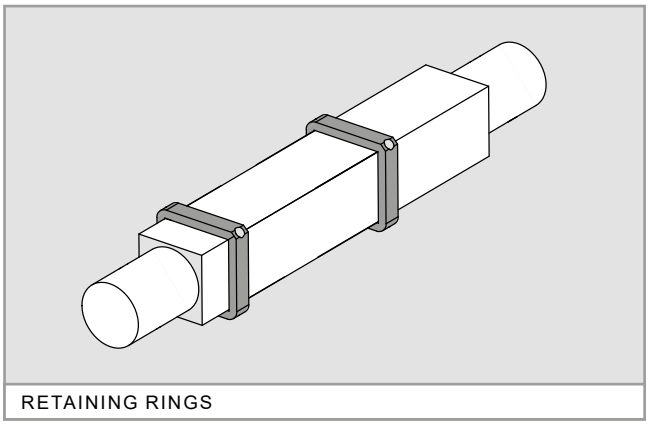
These rings are placed at every side of the central sprocket to fasten it to the shaft in order to avoid any lateral movements of the belt.

They are manufactured in AISI 316 stainless steel and they are fixed by means of a set screw stuffed in the ring itself.

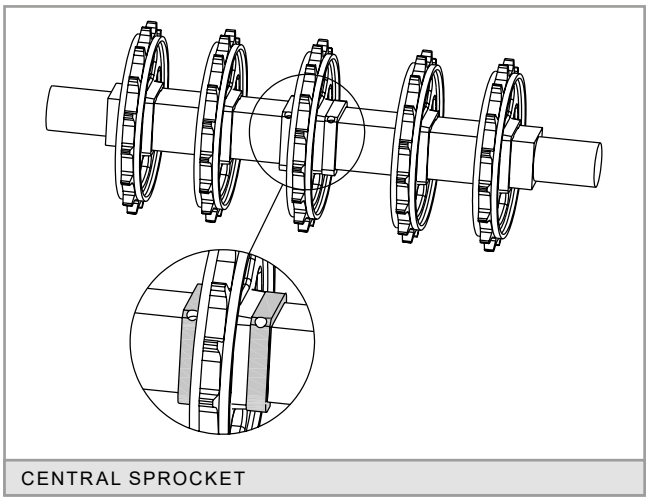
One sprocket, duly fixed with 2 retaining rings, should be put in the centre. Then you should place the same quantity of sprockets at every side of the central one but without any fixing, as they will absorb the possible belt expansions and contractions.

The same procedure should be carried out in both shafts.

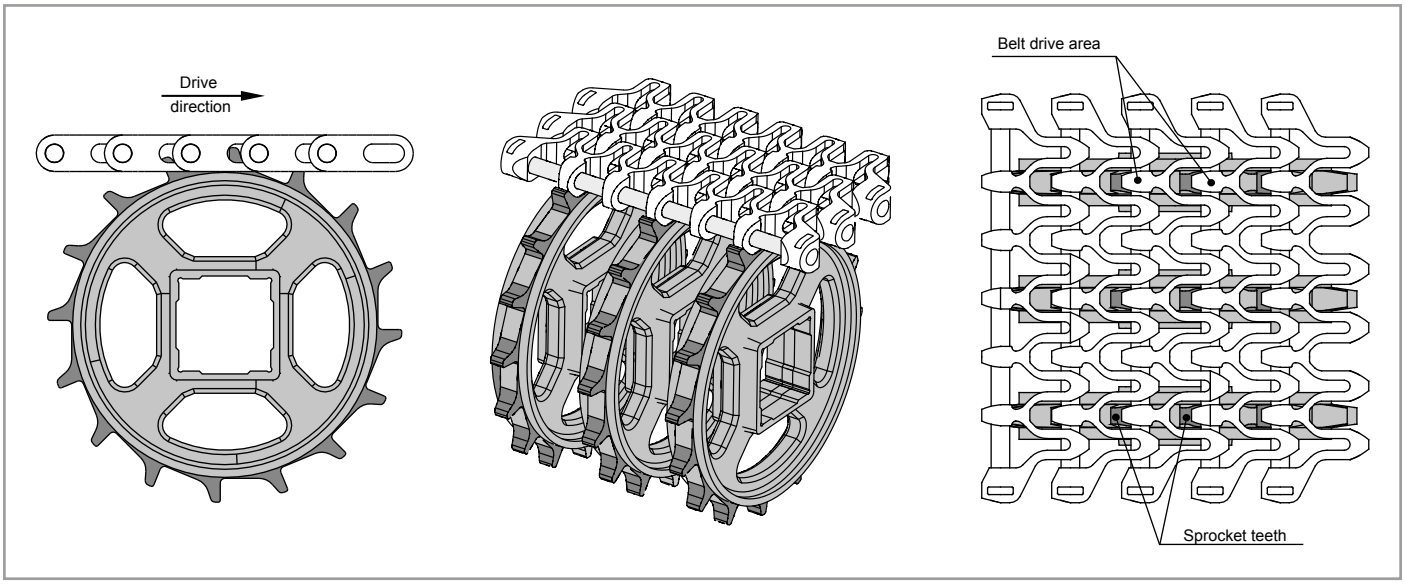
Bore for square shaft	Screws
40	M 6 x 6
60	M 6 x 6



RETAINING RINGS

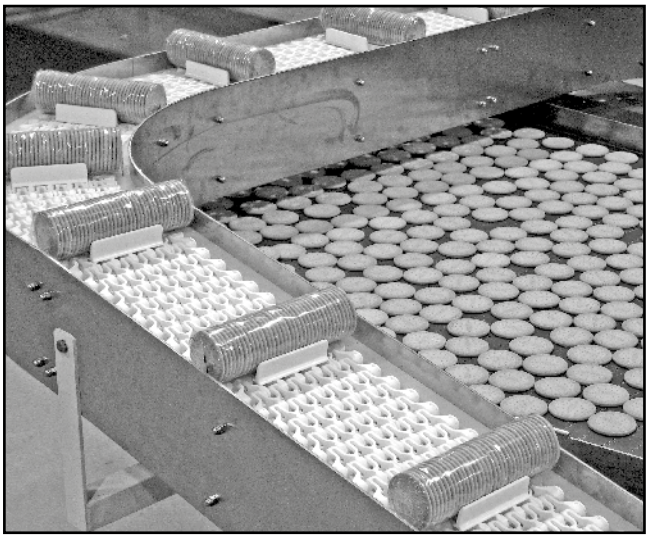


CENTRAL SPROCKET



[Dimensions in mm]

ACCESSORIES [FLIGHTS]



The flights are plastic accessories to be inserted across the belt. They are used to push the product in ascent, descent or accompaniment applications, avoiding that it slips along the belt.

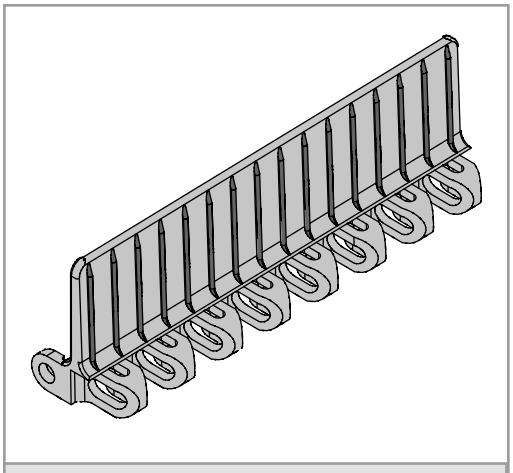
Its non-stick side has ribs that project over the surface to prevent the product from sticking.

Their edges are completely rounded to avoid any damage of the product.

They can be used both in right and in curve sections.

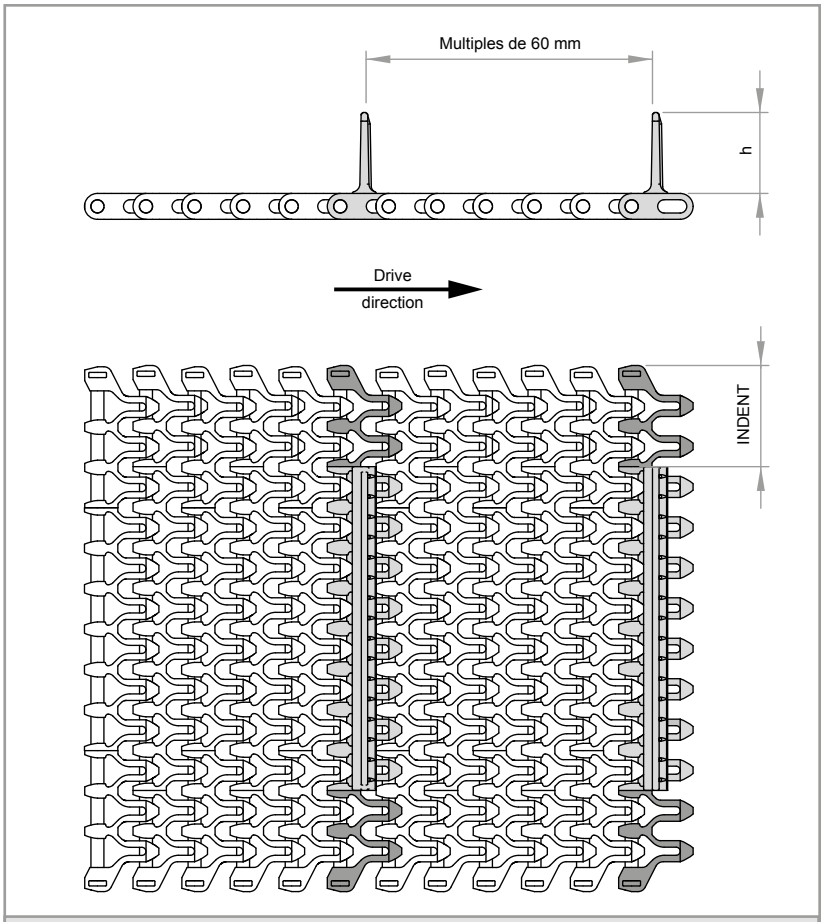
It is possible to cut down the standard height for special applications.

STRAIGHT FLIGHT [STREAMLINE + NO CLING]



NO CLING FACE

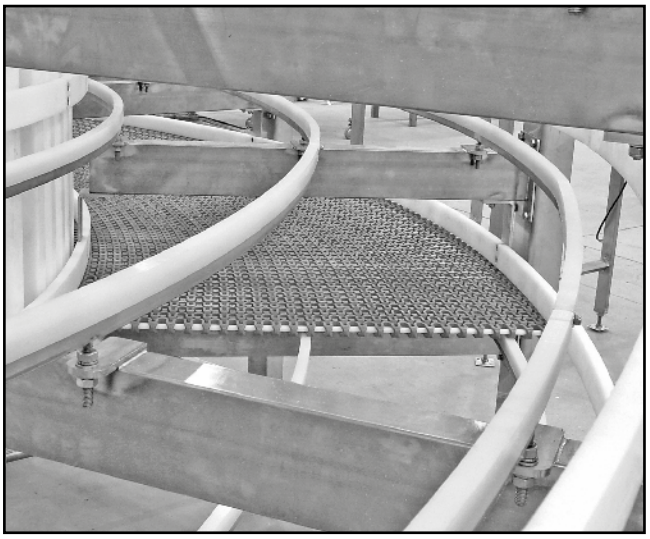
Height (h)	25 mm 50 mm
Materials	Polypropylene Polyethylene Polyacetal
Indent	37.5 mm 62.5 mm 87.5 mm



CONSTRUCTION OF BELT WITH FLIGHTS

[Dimensions in mm]

ACCESSORIES [HOLD-DOWN PROFILES]

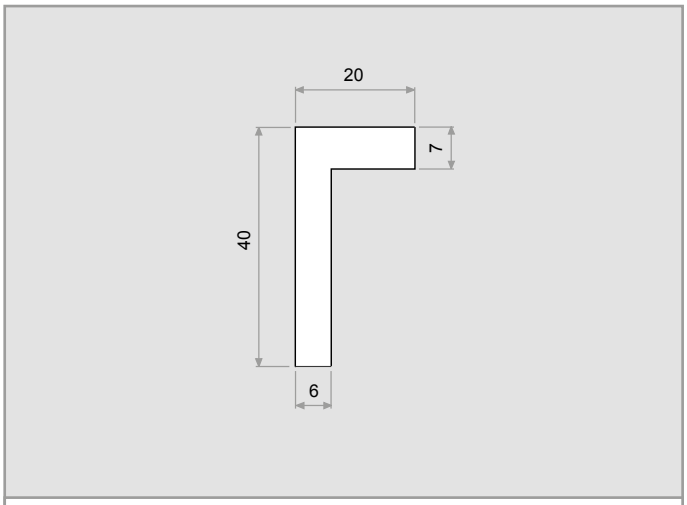


To make the fastening and the support of the belt, EUROBELT has designed two types of hold-down profiles with different geometries, but with the same uses and services.

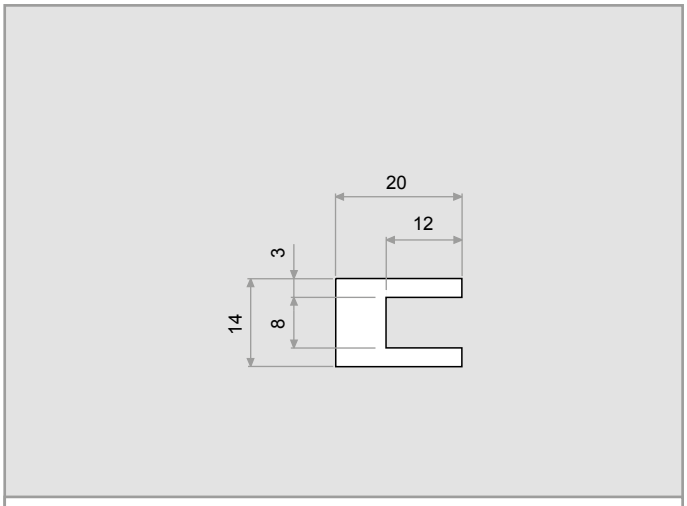
These profiles, with a low coefficient of friction, are placed between the belt and the structure of the conveyor, reducing the wear of the surfaces in contact, which contributes to prolong the life of the belt.

EUROBELT offers all the hold-down profiles in special polyethylenes with very good sliding properties and an excellent resistance to impact.

	Dimensions	Materials
Profiles in L	40 x 20 x 2.000	Polyethylene
Profiles in U	20 x 14 x 2.000	



PROFILES IN L

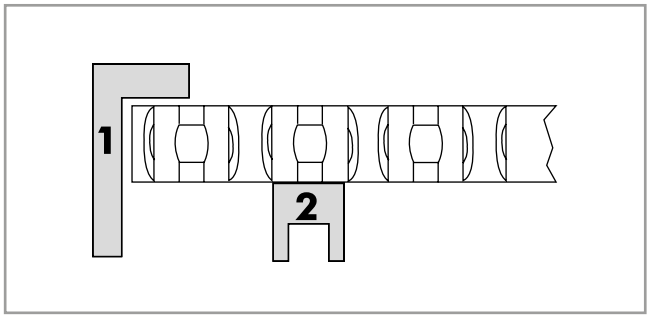


PROFILES IN U

[Dimensions in mm]

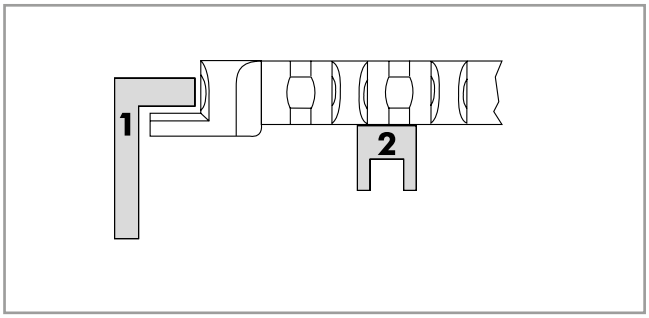
The hold-down profiles must always be placed in all turns to fasten the belt. This fastening will be carried out in different ways depending on the type to be used:

BELT WITHOUT EDGE TAB

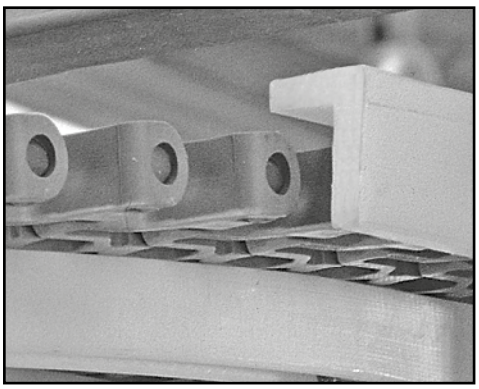


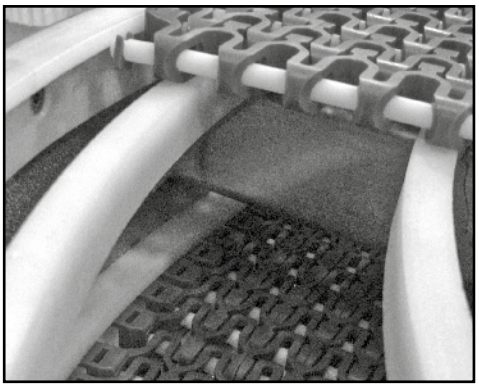
The fastening will be made above the upper side of the belt.

BELT WITH EDGE TAB

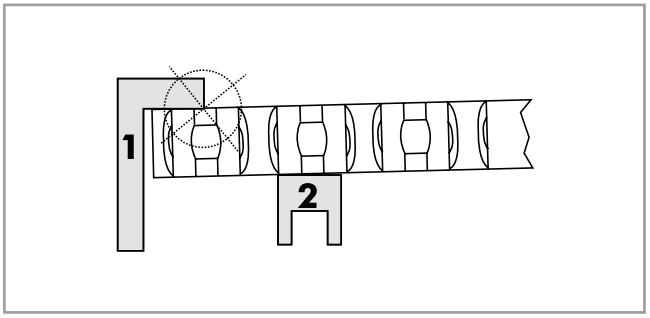


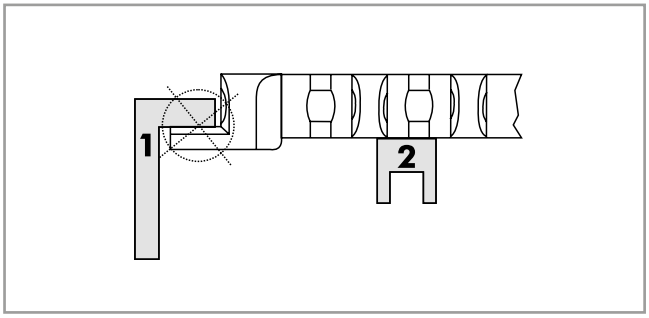
The fastening will be made over the tab. Thus, the carry way remains free of any interference.





The hold-down profiles must not be in contact with the belt (see the pictures below):

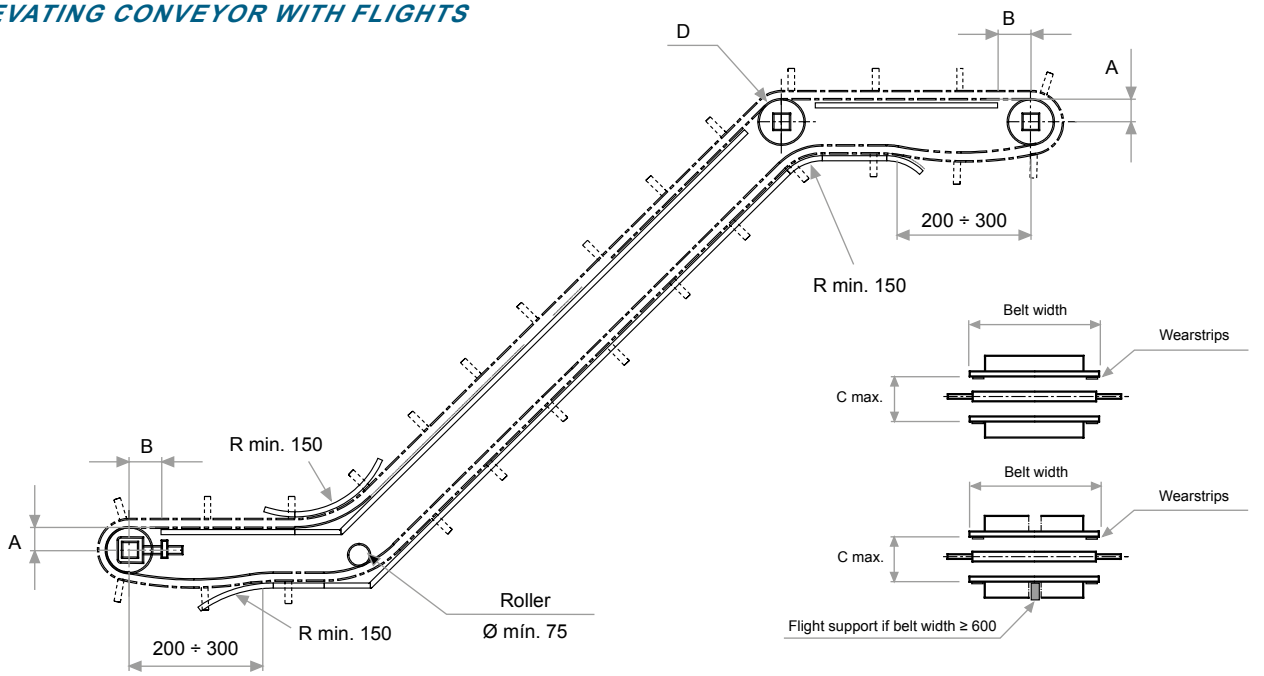




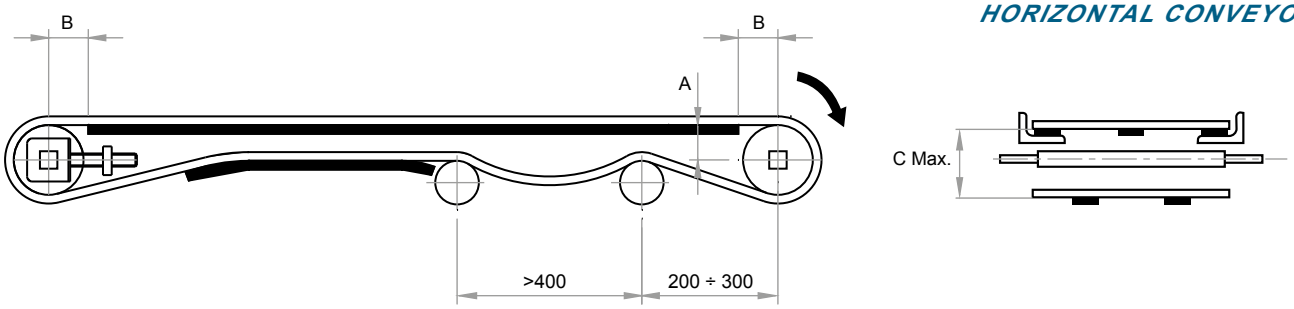
In cases in which there is going to be some manipulation on the belt, the lateral edges should be covered with a protection of 20 mm approximately, as a safety measure.

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



[A] Distance between the sliding surface of the belt and the centre of the shaft.

[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm).

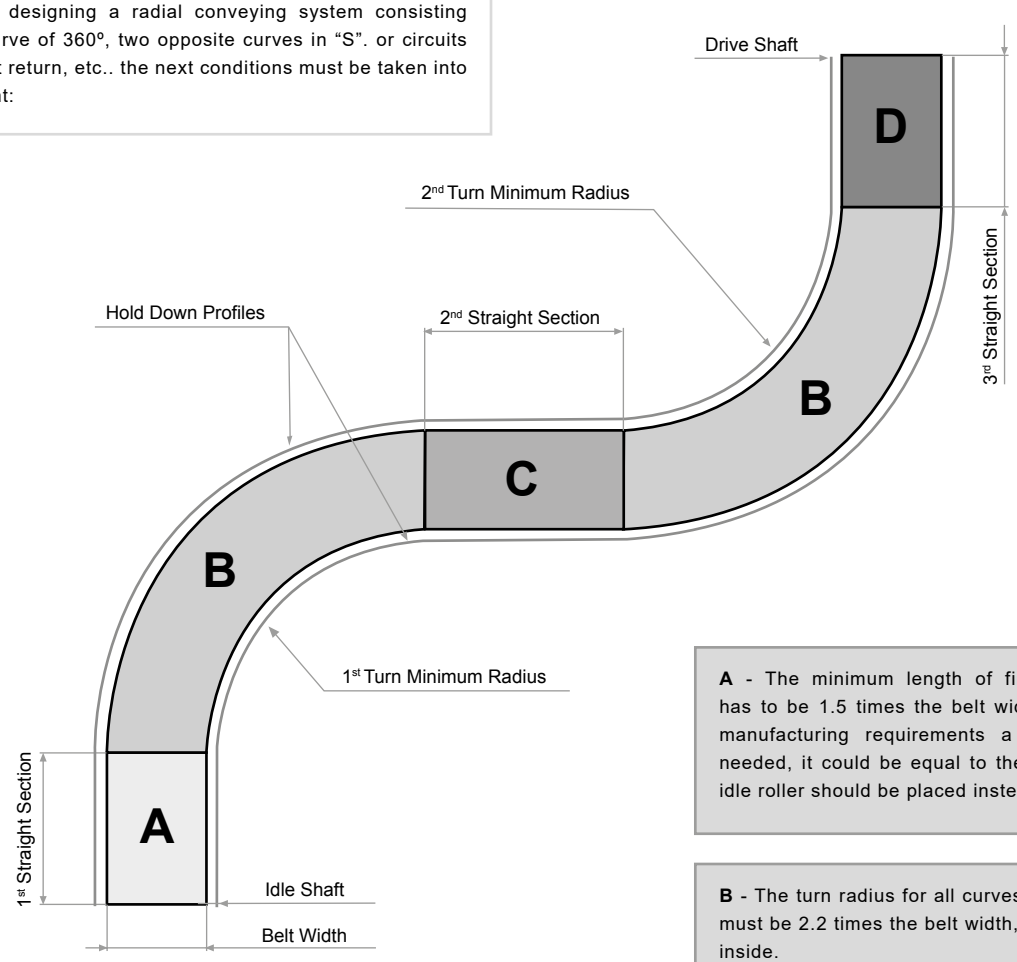
In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
11	106.5	44	50	115
16	153.5	69	65	160
20	191.5	87	75	200

[Dimensions in mm]

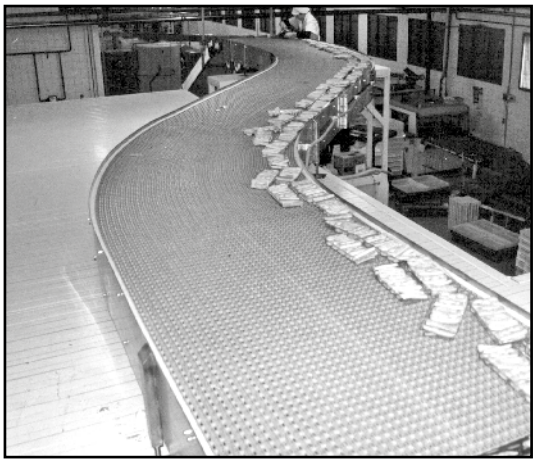
CONSTRUCTION DATA [RADIAL APLICATIONS]

Before designing a radial conveying system consisting of a curve of 360º, two opposite curves in "S". or circuits without return, etc.. the next conditions must be taken into account:



A - The minimum length of first straight section has to be 1.5 times the belt width. When owing to manufacturing requirements a smaller length is needed, it could be equal to the belt width, but an idle roller should be placed instead of the sprockets.

B - The turn radius for all curves made in Series 93 must be 2.2 times the belt width, measured from the inside.



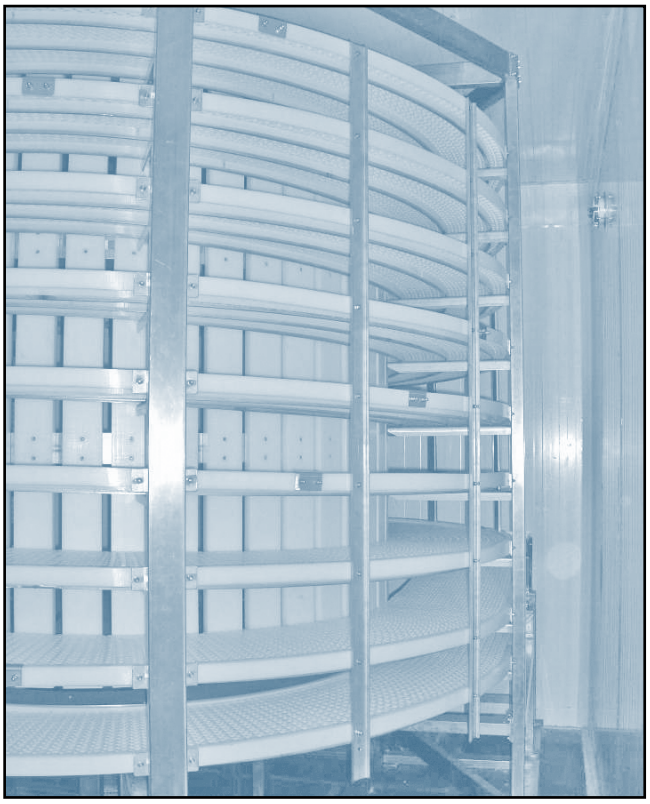
C - When two consecutive turns are made in opposite directions, the straight section between both of them must be 2 times the belt width in order to avoid wears in lateral fastenings, as well as high tensions in the belt. If two turns are made in the same direction, a minimum straight distance between them will not be required.

D - The minimum length of the last straight section, near the drive shaft, should be at least 1.5 times the belt width, in order to avoid unnecessary wear in sprockets and problems of alignment.

The total belt length will always be calculated from the outside perimeter of the curve sections.

[Dimensions in mm]

CONSTRUCTION DATA [SPIRAL]



SERIES E93 can also be used for applications in spiral conveying systems. Its design of flat and rounded edges reduces considerably frictions between the inner curved radius and the drum, getting a smooth power transference from the central drum to the belt, having as a result a saving in energy costs.

Thanks to its design and its technical characteristics, EUROBELT SERIES E93 can be used to make any kind of configuration, giving the appropriate solution to many of your conveying problems.

Some of its main applications are:

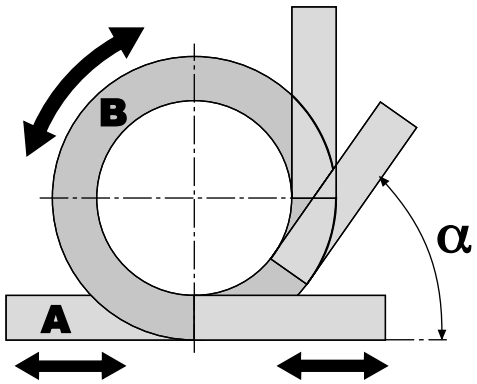
- Repose and fermentation belts for bakery.

- Elevating and descending conveyors with minimum inclination.

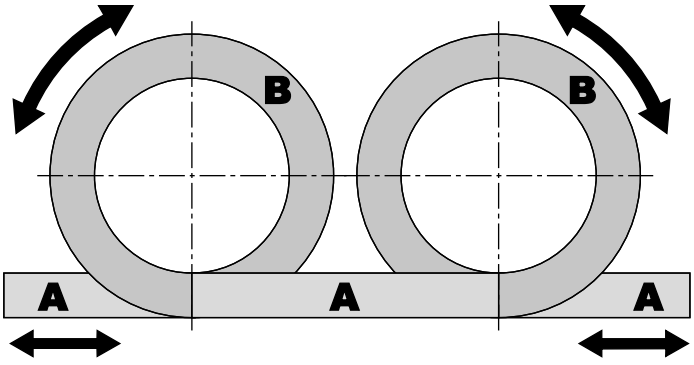
- Cooling and/or freezing belts, as due to the 47% open area you can obtain a great energy transference.

- Special vertical accumulation tables, with a big capacity of storage in a reduced space, thanks to the spiral configuration and to the materials used by EUROBELT.

In the pictures below, we can see different possible configurations: one only bidirectional spiral (elevating, descending or bidirectional, picture 1). and two spirals (one of them elevating and the other one descending, or bidirectionals, picture 2):



PICTURE 1



PICTURE 1

A - Like in the radial applications, the minimum length of the infeed section as well as that of the outfeed one, must be 1.5 times the belt width.

B - The minimum turn radius must be 2.2 times the belt width. Hold-down profiles should be placed all along the spiral in order to make the fastening of the belt.

[Dimensions in mm]

TABLE OF SPROCKETS AND WEARSTRIPS

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
100	150	1	2	2
175	300	3	2	2
325	500	5	3	3
525	700	7	4	3
725	900	9	5	4
925	1,100	11	6	4
1,125	1,300	13	6	5
1,325	1,500	15	7	6
1,525	1,700	17	8	6
1,725	1,900	19	9	7
1,925	2,100	21	10	8
2,125	2,300	23	11	8
2,325	2,500	25	11	9
2,525	2,700	27	12	10

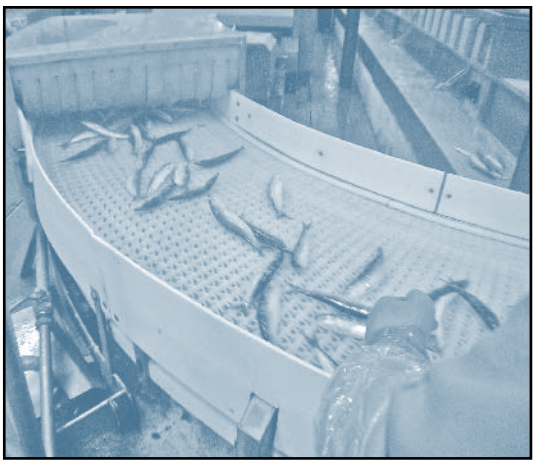
To calculate the necessary minimum quantity of sprockets for the drive shaft as well as for the idle one, the next formula has been used:

$$\text{Minimum quantity} = \frac{\text{Belt width (mm)}}{100\ \text{mm}}$$

This amount must always be odd.

To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.



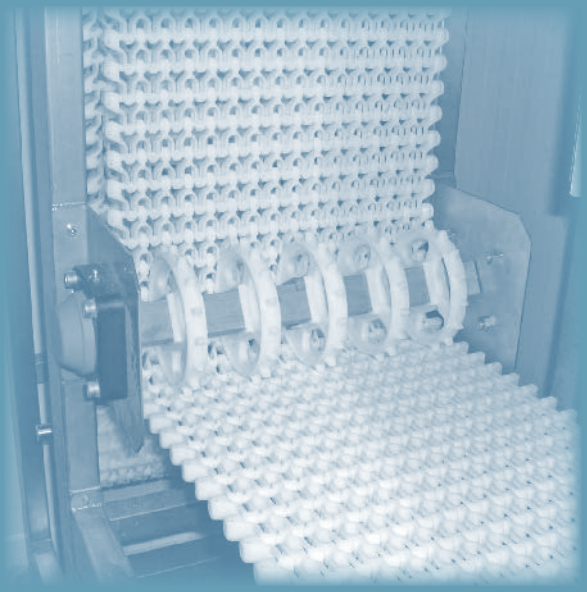
MATERIALS

ACCESSORIES

TECHNICAL DATA

CHEMICAL RESISTANCE

MAINTENANCE



MATERIALS

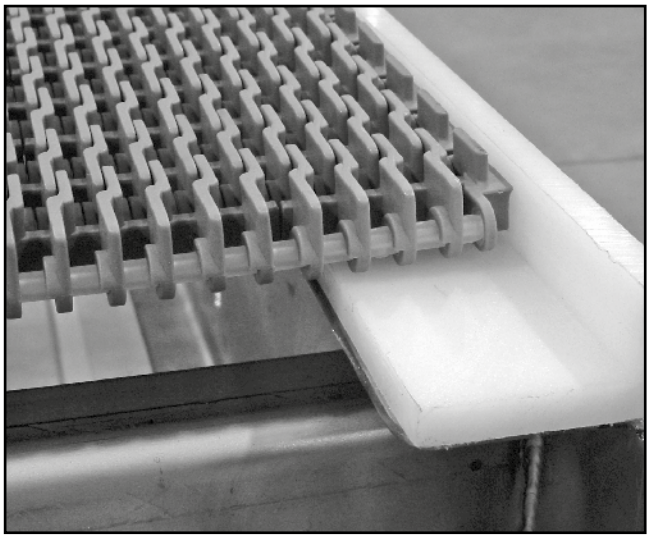
ACCESSORIES

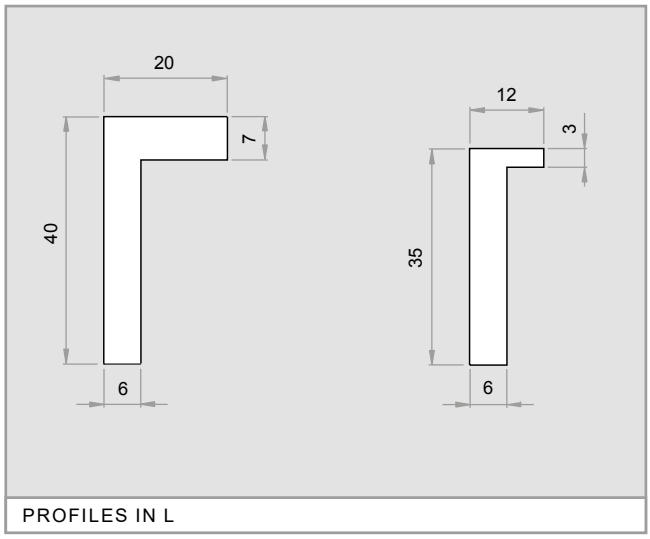
TECHNICAL DATA

CHEMICAL RESISTANCE

MAINTENANCE

ACCESSORIES [HOLD-DOWN PROFILES]



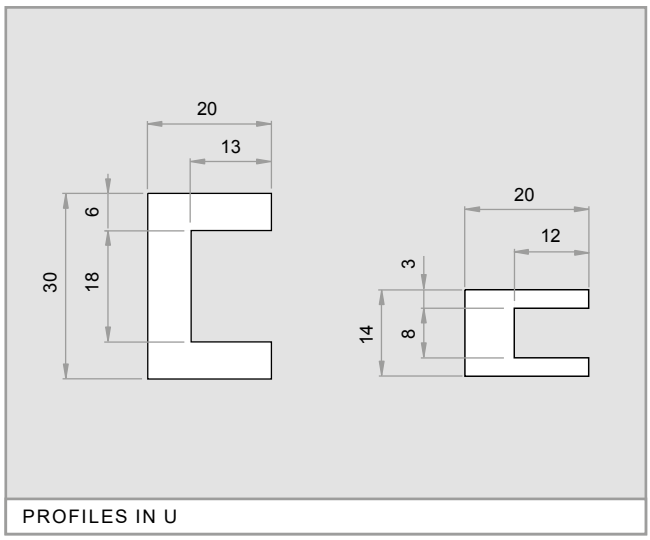


PROFILES IN L

To make the fastening and the support of the belt, EUROBELT has designed two types of hold-down profiles with different geometries, but with the same uses and services.

These profiles, with a low coefficient of friction, are placed between the belt and the structure of the conveyor, reducing the wear of the surfaces in contact, which contributes to prolong the life of the belt.

EUROBELT offers all the hold-down profiles in special polyethylenes with very good sliding properties and an excellent resistance to impact.

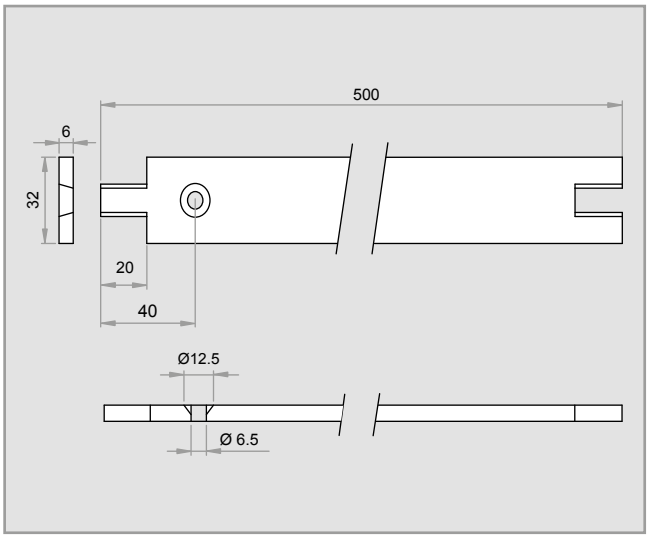


PROFILES IN U

Accessories	Dimensions	Materials
Profiles in L	40 x 20 x 2.000	Polyethylene
	35 x 12 x 2.000	
Profiles in U	20 x 30 x 2.000	
	20 x 14 x 2.000	

[Dimensions in mm]

ACCESSORIES [WEARSTRIPS]



The flat wearstrips are fastened by means of flatheaded plastic screws, which contributes to obtain a smooth surface free of any possibility of hooking.

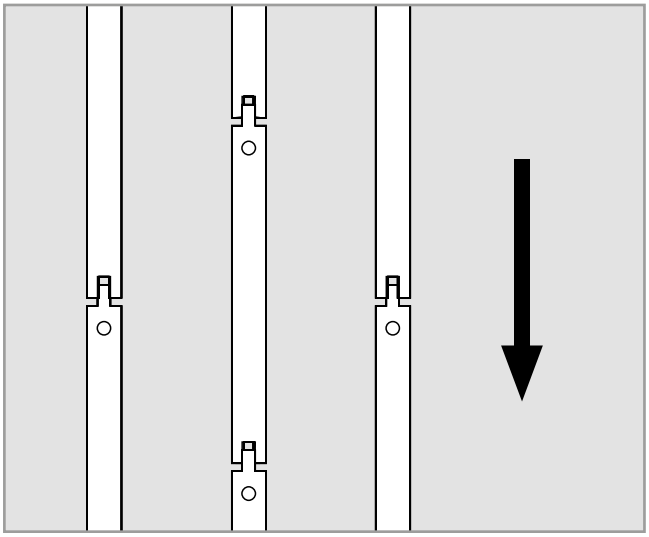
The dimensions of those screws are: M 6 x 25 mm.

Due to their dovetail design, they can adapt to possible longitudinal contractions and expansions of the belt.

Dimensions	Materials
6 x 32 x 500	Polyethylene Conductive polyethylene Polyacetal

The wearstrips arrangement is an important factor in the life span of a conveyor belt. It should be chosen the most suitable configuration according to the transport needs. To calculate the quantity of supports, the weight of the product to be conveyed should be taken into account.

PARALLEL RUNNERS



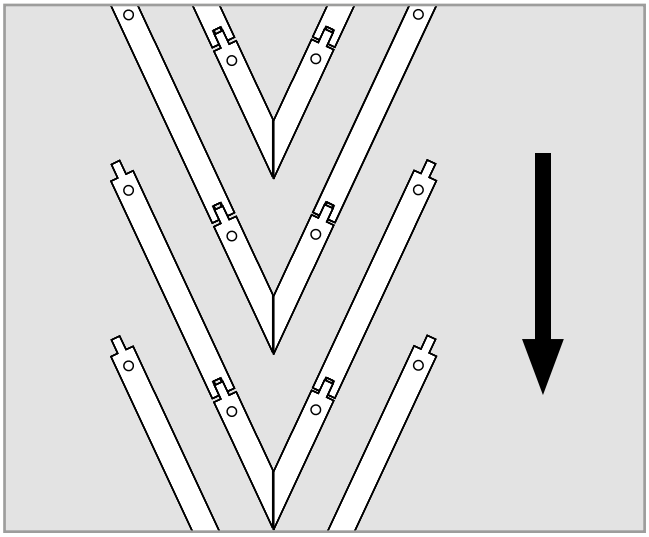
It consists of placing the wearstrips in a parallel and continuous way along the conveyor structure.

It is preferable to position them so that the joints do not coincide.

This is probably the simplest and most economical configuration although, depending on the load to be transported, uneven wears can arise on the back surface of the belt.

It is not advisable for applications with a very heavy load.

CHEVRON ARRAY



The wearstrips are placed throughout the length and breadth of the conveyor, as shown in the picture above.

The possible wear that might occur will be even all over the belt, since it is resting on the wearstrips lengthwise and breadthwise.

With this angle-shaped layout the cleaning and the removal of wastes are easy.

It is advisable for applications bearing heavy loads or for high speeds.

[Dimensions in mm]

MATERIALS [POLYPROPYLENE]

STANDARD POLYPROPYLENE (PP)

Temperature range	+1 ºC to +104 ºC
Available colours	White Grey Blue
Fit for food industry	Suitable

It is the basic material in order to manufacture conveyor belts for most of processes, both in food industry and in industry generally speaking.

With a good mechanic resistance, and a temperature range from +1 ºC to +104 ºC, it has a specific gravity of approximately 0.9, and it floats in the water.

Given its excellent chemical resistance to most of the acids and concentrated bases, salts, and detergents, it is essential for corrosive work environments.

It is very resistant to penetration of micro organisms.

Though it has a resistance to impact close to 3.5 kJ/m^2, it becomes slightly fragile at temperatures below 9 ºC. That is why it is not recommended for processes in which there will be strong impacts on the belt.

It observes the International Regulations to be used in food processes.

ELECTRICALLY CONDUCTIVE POLYPROPYLENE (PPE)

Temperature range	+1 ºC to +104 ºC
Available colours	Black
Fit for food industry	Unsuitable

Polypropylene with a very low resistivity rate, both volumetric and superficial, being ideal for those applications in which it is necessary to dispel the electrostatic charges, created on the belt, through the conveyor's structure.

Specially indicated for conveyance applications in environments classified as ATEX.

Unsuitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

POLYPROPYLENE DETECTABLE BY METAL DETECTORS (PPD)

Temperature range	+1 ºC to +104 ºC
Available colours	Blue
Fit for food industry	Suitable

It is used in belts for lines in which avoiding any plastic particle to get mixed with the product is required.

Suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

MATERIALS [POLYETHYLENE]

STANDARD POLYETHYLENE (PE)

Temperature range	-50 ºC to +65 ºC
Available colours	Natural Blue
Fit for food industry	Suitable

Thanks to a temperature range from -50 ºC to +65 ºC, it is the most suitable material for belts to be used in freezing processes.

With a specific gravity of 0.95 approximately, it floats in the water. It stands out for its excellent resistance to impact and fatigue, and for its flexibility.

Good chemical resistance to many acids and concentrated bases, salts, and detergents.

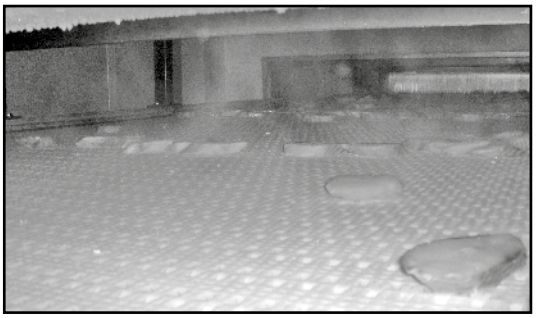
Its low coefficient of friction provides excellent sliding properties, with a minimum of adherence and absorption.

It observes the International Regulations to be used in food processes.

UV-RAYS POLYETHYLENE

We have a black polyethylene resistant to UV rays for conveyor belts to be used in applications that will be out in the open, at low temperatures, and exposed to solar radiation. Black colour.

Ask for availability and delivery time according to belt types and series.



ELECTRICALLY CONDUCTIVE POLYETHYLENE (PEE)

Temperature range	-50 ºC to +65 ºC
Available colours	Black
Fit for food industry	Unsuitable

Polyethylene with a very low coefficient of resistivity, both volumetric and superficial, which makes it ideal for those applications in which it is necessary to dispel the electrostatic charges, created on the belt, through the conveyor's structure.

Special for conveyance applications at low temperatures in environments classified as ATEX.

Unsuitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

POLYETHYLENE DETECTABLE BY METAL DETECTORS (PED)

Temperature range	-50 ºC to +65 ºC
Available colours	Blue
Fit for food industry	Suitable

It is used in belts for lines in which avoiding any plastic particle to get mixed with the product is required.

Suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

MATERIALS [POLYACETAL]

STANDARD POLYACETAL (AC)

Temperature range	-40 ºC to +90 ºC
Available colours	White Grey Blue
Fit for food industry	Suitable

With a specific gravity of 1.5 approximately, the technical polyacetals are thermoplastics of low friction coefficient with the greatest resistance to scratching and breakage. That is why it is the material used in accumulation tables for all kind of containers, as it avoids any damage on the product surface, as well as crushing.

Its great mechanical resistance enables it to transport heavy loads.

With a wide temperature range from -40 ºC to +90 ºC, it is used for manufacturing belts that will convey heavy loads and in applications involving the use of sharp tools.

It has a good chemical resistance to solvents, greases, and a large list of chemicals.

It observes the International Regulations to be used in food processes.

ELECTRICALLY CONDUCTIVE POLYACETAL (ACE)

Temperature range	-40 ºC to +90 ºC
Available colours	Black
Fit for food industry	Unsuitable

Polyacetal with a very low resistivity rate, both volumetric and superficial, being ideal for those applications in which it is necessary to dispel the electrostatic charges, created on the belt, through the conveyor's structure.

Unsuitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

POLYACETAL DETECTABLE BY METAL DETECTORS (ACD)

Temperature range	-40 ºC to +80 ºC
Available colours	Blue
Fit for food industry	Suitable

This material has the capability of altering the electromagnetic fields of the metal detectors. It is used in belts for lines in which avoiding any plastic particle to get mixed with the product is required.

Suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

MATERIALS FOR SPECIAL APPLICATIONS

NYLON (PA)

Belts manufactured in nylon have a good geometrical stability with regard to heat, as well as both a great hardness and rigidity.

They are also characterized by their retarded wear in abrasive and dry environments.

Having a high hygroscopic level, this material is not recommended to be used in humid environments, as the belt dimensions would vary visibly.

We have two types:

Nylon in black colour: Unsuitable for direct contact with food.

Stable with regard to heat at temperatures up to 140 ºC if working continuously, and up to 180 ºC in specific peaks. In case of extreme temperatures, the decrease of its mechanical properties must be taken into account.

Its rate of inflammability is HB (Test method UL94 rating at 1.6 mm thickness).

Nylon in natural colour: Suitable for direct contact with food, except for those containing alcohol.

Stable with regard to heat at temperatures up to 120 ºC if working continuously, and up to 135 ºC in specific peaks.

Likewise, in case of extreme temperatures, the decrease of its mechanical properties must be taken into account.

Its rate of inflammability is V-2 (Test method UL94 rating at 1.6 mm thickness).

Ask for availability and delivery time according to belt types and series.

THERMOPLASTIC ELASTOMERS (TPE)

It is a thermoplastic vulcanized, flexible and with a very good adherence. It is used for obtaining the maximum grip of the product to the transport surface in order to prevent it from sliding in incline conveyors.

Good resistance to fatigue, oil, and chemicals in general.

The temperature range runs from -40 to 100 ºC.

When designing an application with belts manufactured in this material, we should take into account:

- The environmental conditions regarding the work area (temperature, humidity, possible spilling of liquids, etc.).

- The geometrical peculiarities of the application (inclination degrees, speed, possible vibrations, etc.).

- The characteristics of the product (weight, dimensions, material of its packing, etc.).

- The belt return way will be designed avoiding always the friction of the rubber on the support surfaces, on the inverse turn rollers, etc.

We have three hardness grades:

Shore A35, in grey colour, suitable for direct contact with food.

Shore A45, in black colour, unsuitable for direct contact with food.

Shore A60, in beige colour, suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

MATERIALS FOR SPECIAL APPLICATIONS

MATERIAL DETECTABLE BY X-RAYS DETECTORS (ACX)

Temperature range	-40 ºC to +80 ºC
Available colours	White
Fit for food industry	Suitable

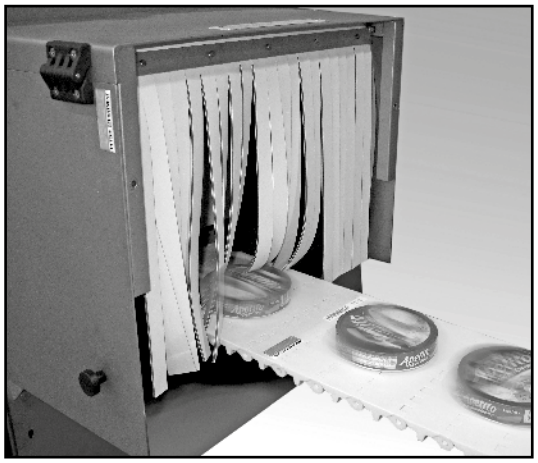
Material that can be detected by the X-rays. Spherical particles with a diameter of hardly 2.5 mm have been detected in tests carried out in a production line by a Dylog X-rays detector.

Exceptional for processes in which the removal of any polluting particle is essential or in which a high security control is required.

In white colour, its work temperature range runs from -40 to +80 ºC.

Suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.



WEAR-RETARDANT MATERIAL

Special material to prolong the average life of the belts, as their wear gets reduced when working in abrasive environments.

It is used in all those applications in which the belt is exposed to scratches due to the abrasion caused by the product itself or by other elements like sand, abrasive dust, etc.. conveyed together with it.

Unsuitable for direct contact with food.

Ask for availability and delivery time according to belt types and series.

FLAME-RETARDANT

With good mechanical properties and chemical resistance, it is retardant to the flames with an inflammability rate of V-0 (Test method UL94).

As it is lubricated, it has both a very low absorption rate and friction coefficient.

This material is not suitable for direct contact with food, and its work temperature range runs from -20 to +60 ºC.

Ask for availability and delivery time according to belt types and series.

HIGH TEMPERATURE MATERIAL

This material is one of the most important polymers due to its excellent properties.

- Continuous working temperature up to 200 ºC.

- High fatigue resistance, both mechanical and chemical.

- Flame retardant, V-0 inflammability ratio.

- Low water absorption, near zero (0.02%)

- Suitable for direct contact with food.

Ask for availability and delivery time according to belt types and series

TABLE OF MATERIALS AND COLOURS IN STOCK

TYPE		PP			PE		AC			PPE
		W	G	B	N	B	W	B	N	O
SERIES C12										
FT	FLAT TOP	•	•	•	•	•		•		
FG	FLUSH GRID	•	•	•	•	•		•	•	
SERIES E20										
FT	FLAT TOP	•	•	•	•	•		•		
FG	FLUSH GRID	•	•	•	•	•		•		
RR	RAISED RIB		•					•		
TF	TRIAN FRICTION	On Request *[page 188]*								
TR	TRIAN	•			•			•		
SR	SLIDING ROLLER	On Request *[page 188]*								
SERIES A24										
FT	FLAT TOP	•	•	•	•	•		•	•	
FG	FLUSH GRID	•	•	•	•	•		•	•	
RR	RAISED RIB		•					•		
SERIES E30										
FT	FLAT TOP	•	•	•	•			•		
PF	PERFORATED	•	•		•			•		
OG	OPEN GRID	•			•			•		
FG	FLUSH GRID	•	•		•	•		•		
RR	RAISED RIB		•					•		
TF	TRIAN FRICTION	On Request *[page 188]*								
FF	FLAT FRICTION									
SR	SLIDING ROLLERS									
SERIES E31										
LT	LATERAL TRANSFER							•		
SERIES E32										
FT	FLAT TOP - 82,5 mm							•		
FT	FLAT TOP - 114,3 mm							•		
FT	FLAT TOP - 152,4 mm							•		
FT	FLAT TOP - 190,5 mm							•		

Materials: [PP] Polypropylene - [PE] Polyethylene - [AC] Polyacetal - [PPE] Electrically Conductive Polypropylene

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black

The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

TABLE OF MATERIALS AND COLOURS IN STOCK

TYPE		PP			PE		AC			PPE
		W	G	B	N	B	W	B	N	O
SERIE E40										
FT	FLAT TOP	•	•		•			•		
FG	FLUSH GRID	•	•		•			•		
NS	NON SLIP									•
SR	SLIDING ROLLERS	On Request *[page 188]*								
SERIE E41										
RR	RAISED RIB		•							
SERIE E50										
FT	FLAT TOP	•	•		•	•				
PF	PERFORATED	•	•		•					
FG	FLUSH GRID	•	•		•	•				
OG	OPEN GRID	•		•	•	•				
OH	OPEN GRID HIGH	•		•	•	•				
KN	KNURLED	•	•					•		
CO	CONIC	•	•		•			•		
TF	TRIAN FRICTION	On Request *[page 188]*								
CF	CONIC FRICTION									
SR	SLIDING ROLLERS									
SERIE B50										
FT	FLAT TOP	•		•	•	•	•			
PF	PERFORATED	•		•	•	•	•			
FG	FLUSH GRID	•		•	•	•	•			
SERIE E80										
FT	FLAT TOP	•	•	•	•			•	•	
PF	PERFORATED	•	•		•			•	•	
SERIE E93										
SL	FLUSH GRID - Without Edge Tab	•	•		•			•	•	
CL	FLUSH GRID - With Edge Tab	•	•		•			•	•	
CO	CONIC	•	•		•			•	•	
CF	CONIC FRICTION	On Request *[page 188]*								
SR	SLIDING ROLLERS									

Materials: [PP] Polypropylene - [PE] Polyethylene - [AC] Polyacetal - [PPE] Electrically Conductive Polypropylene

Colours: [W] White - [G] Grey - [B] Blue - [N] Natural - [O] Black

The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

MATERIALS AND COLOURS - FRICTION TOP BELTS

TYPE		RUBBER		PP			PE	
		HARDNESS	COLOURS	W	G	B	N	B
SERIES E20								
TF	TRIAN FRICTION	A60	BEIGE	•	•		•	
SERIES E30								
TF	TRIAN FRICTION	A35	GREY	•				
		A45	BLACK		•			
		A60	BEIGE	•			•	
FF	FLAT FRICTION	A35	GREY	•				
		A45	BLACK		•			
		A60	BEIGE	•			•	
SERIES E50								
TF	TRIAN FRICTION	A60	BEIGE	•	•		•	•
CF	CONIC FRICTION			•	•		•	•
SERIES E93								
CF	CONIC FRICTION - Without Edge Tab	A60	BEIGE	•	•		•	
	CONIC FRICTION - With Edge Tab			•	•		•	

Materials:
[PP] Polypropylene
[PE] Polyethylene

Colours:
[W] White
[G] Grey
[B] Blue
[N] Natural

The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

MATERIALS AND COLOURS - SLIDING ROLLERS BELTS

TYPE		DIAMETER ROLLER	PP			PE		AC		
			W	G	B	N	B	W	B	N
SERIES E20										
FG	FLUSH GRID	Ø 15 MM	•	•	•	•	•		•	
SERIES E30										
FG	FLUSH GRID	Ø 15 MM	•	•	•	•			•	
SERIES E40										
FG	FLUSH GRID	Ø 25 MM	•	•		•			•	
SERIES E50										
FG	FLUSH GRID	Ø 25 MM	•	•		•	•			
OG	OPEN GRID		•	•		•	•			
SERIES E93										
FG	FLUSH GRID - Without Edge Tab	Ø 20 MM	•	•		•			•	•
	FLUSH GRID - With Edge Tab		•	•		•			•	•

Materials:
[PP] Polypropylene
[PE] Polyethylene
[AC] Polyacetal

Colours:
[W] White
[G] Grey
[B] Blue
[N] Natural

The materials and colours that are normally in stock are those above indicated. In special cases in which it is needed a belt in a material or colour different from those above mentioned, you should ask directly to EUROBELT.

EFFECTS CAUSED BY THE TEMPERATURE

DIMENSIONAL VARIATIONS IN THE BELT

The plastic materials undergo dimensional variations, expansions or contractions, when they are exposed to temperature changes with regard to a room temperature of 21º C.

These dimensional variations must be taken into consideration when designing and building the conveyor for its proper functioning.

Therefore the conveyor will have to be designed so that it allows to absorb the longitudinal variations in the return way and the width variations in the frame sides.

In order to calculate the expansions or contractions both of the belt and the wearstrips, the formulae below will be applied:

VARIATION IN THE BELT LENGTH:

$$\Delta = L.Initial \times (T.Final - T.Initial) \times \alpha$$

Δ (mm) :	Dimensional variation in the belt length. - A positive value shows an expansion. - A negative value shows a contraction.
L.Initial (mtr.):	Belt length at the initial temperature.
T.Final (ºC):	Final temperature of the application.
T.Initial (ºC):	Initial temperature of the application.
α (mm/mtr/ºC):	Thermic expansion coefficient.

VARIATION IN THE BELT WIDTH:

$$\Delta = A.Initial \times (T.Final - T.Initial) \times \alpha$$

Δ (mm):	Dimensional variation in the belt width. - A positive value shows an expansion. - A negative value shows a contraction.
A.Initial (mtr.):	Belt width at the initial temperature.
T.Final (ºC):	Final temperature of the application.
T.Initial (ºC):	Initial temperature of the application.
α (mm/mtr/ºC):	Thermic expansion coefficient.

THERMIC EXPANSION COEFFICIENTS

Belts	(mm./m./ºC)	(inch/foot/ºF)
Polypropylene (below 38º C)	0.12	0.0008
Polypropylene (above 38º C)	0.15	0.0010
Polyethylene	0.17	0.0011
Acetal	0.09	0.0006
Wearstrips	**(mm./m./ºC)**	**(inch/foot/ºF)**
HDPE	0.17	0.0011

Example:

Product transport application under the conditions below:

- Belt material: polypropylene (.... according to the table).
- Length: 20 m. (Linitial).
- Width:1 m. at 21º C (A.Initial and T.Initial).
- Final working temperature: 80º C (T.Final).

Applying the above formulae we will obtain:

Length Δ : 20 x (80-21) x 0,15 = 177 mm.

Width Δ : 1 x (80-21) x 0,15 = 8,85 mm.

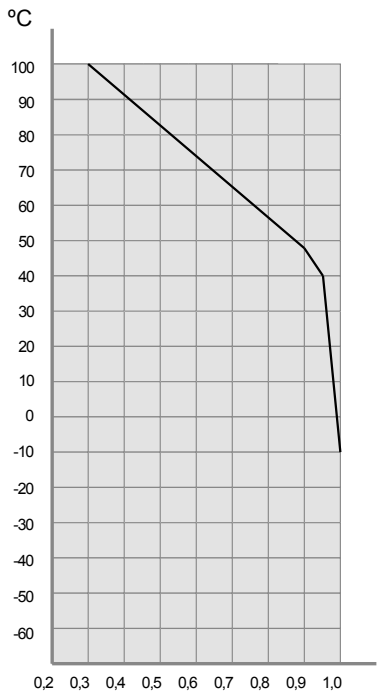
Therefore, whenever we carry out the conveyor design it will have to be taken into consideration that 177 mm must be absorbed by their catenaries in the return way, otherwise by its take up, and 8.85 mm by the conveyor sides for its proper functioning.

VARIATIONS IN THE MECHANICAL PROPERTIES OF THE BELT

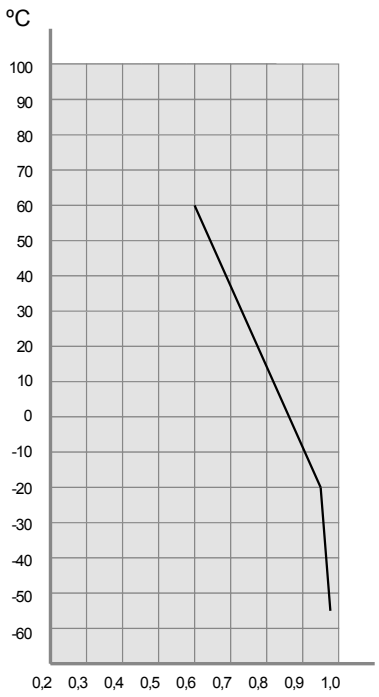
All plastic materials undergo changes in their properties when they are subject to temperature variations.

These variations determine a Temperature Factor (CT) that has an influence on the belt resistance and that must be taken into consideration when making the feasibility calculations of the application and when choosing the most appropriate belt and material.

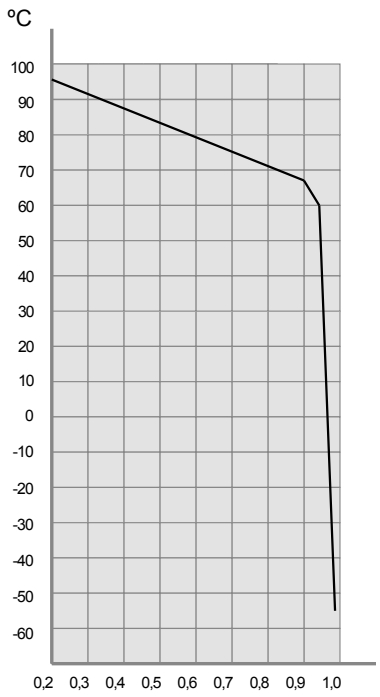
POLYPROPYLENE



POLYETHYLENE



POLYACETAL



It can be observed in the above graphics that:

↑	Increase in working temperature	=	Lower temperature factor	›	Least belt resistance
↓	Decrease in working temperature	=	Higher temperature factor	›	Greater belt resistance

Likewise it will have to be taken into consideration that the lower the temperature is, the more brittle the belt surface is, which is important in applications with impacts.

EFFECTS CAUSED BY THE FRICTION

FRICTION BETWEEN THE BELT AND THE SUPPORT SURFACES

The belt movement entails a negative strength caused by the friction between the support surfaces of the belt and the belt itself due to the belt weight and that of the product conveyed.

This friction determines a Friction Factor (CF) that must be taken into consideration for calculating the feasibility of the application as well as for the belt choice.

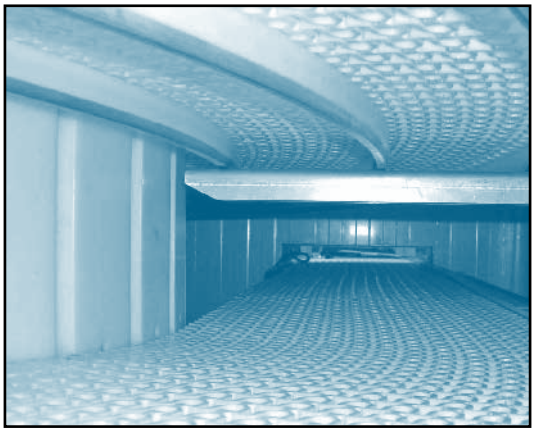
Small values of this factor will imply softer belt movements, less wear, a lower motor power, and a longer useful life of the belt.

The most common values for this Friction Factor are:

FRICTION FACTOR (CF) BETWEEN THE BELT AND THE SUPPORT SURFACE

SUPPORT SURFACE MATERIALS	POLYPROPYLENE				POLYETHYLENE				ACETAL			
	SMOOTH SURFACE		ABRASIVE SURFACE		SMOOTH SURFACE		ABRASIVE SURFACE		SMOOTH SURFACE		ABRASIVE SURFACE	
	HUMID	DRY	HUMID	DRY	HUMID	DRY	HUMID	DRY	HUMID	DRY	HUMID	DRY
U.H.M.W.	0.11	0.13	NR	NR	0.24	0.32	NR	NR	0.10	0.10	NR	NR
H.D.P.E.	0.09	0.11	NR	NR	NR	NR	NR	NR	0.09	0.08	NR	NR
Nylon impregnated with molybdenum or silicone	0.24	0.25	0.29	0.30	0.14	0.13	NR	NR	0.13	0.15	NR	NR
Stainless steel or carbon steel cold rolled	0.26	0.26	0.31	0.31	0.14	0.15	NR	NR	0.18	0.19	NR	NR

[NR] Not recommended



FRICTION BETWEEN THE BELT AND THE TRANSPORTED PRODUCT

In some applications there can be other type of negative forces caused by the friction between the belt contact surface and that of the product which appears when the belt is running and the product stops on its surface. A characteristic example is that of the accumulation tables.

The Factor of Friction by Accumulation (C_{AC}) will have to be taken into account for calculating the feasibility of our application as well as for the belt choice.

As in the previous case, small figures of this Factor will imply softer belt movements, less belt wear and fewer damages on the product surface, a lower motor power, and a longer useful life of the belt.

The most common values of this Factor are:

FRICTION FACTOR BETWEEN THE BELT AND THE PRODUCT (C_{AC})

MATERIAL OF TRANSPORTED PRODUCT	POLYPROPYLENE		POLYETHYLENE		ACETAL	
	HUMID	DRY	HUMID	DRY	HUMID	DRY
GLASS	0.18	0.19	0.08	0.09	0.13	0.14
STAINLESS STEEL	0.26	0.32	0.10	0.13	0.13	0.13
PLASTIC	0.11	0.17	0.08	0.08	0.13	0.16
CARDBOARD	—	0.21	—	0.15	—	0.18
ALUMINIUM	0.40	0.40	0.20	0.24	0.33	0.27

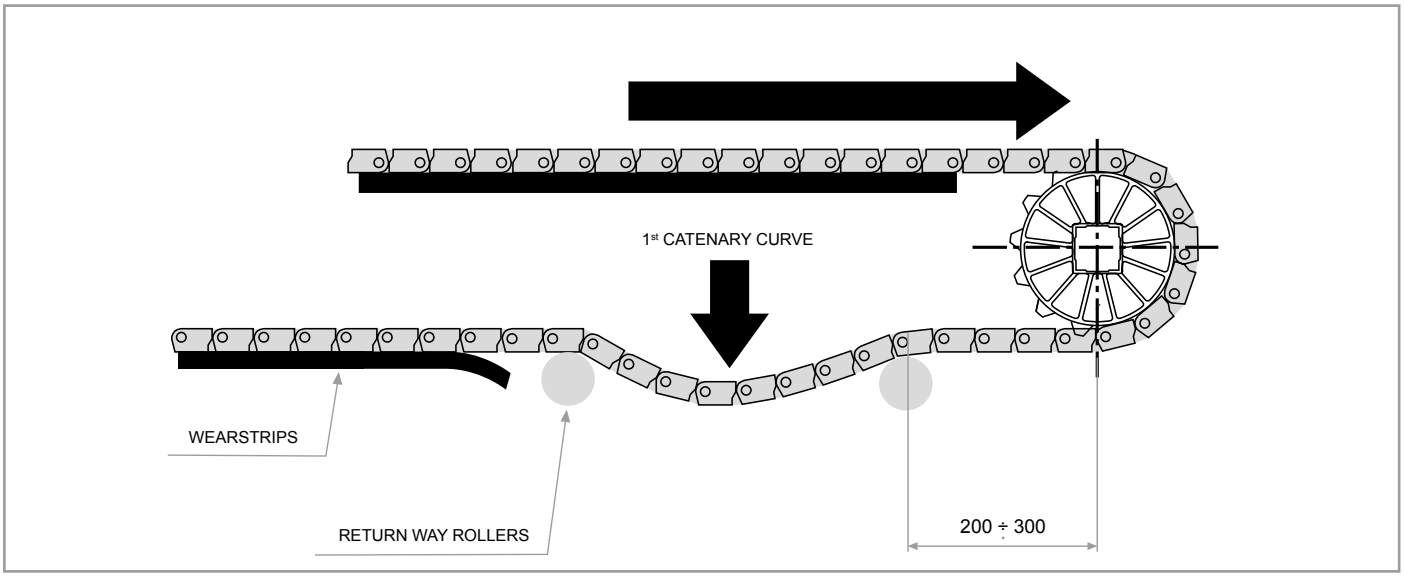
The above friction values are theoretical and can be altered according to other factors like high speed, heavy load, and working conditions, dirty or abrasive environments, etc.

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.

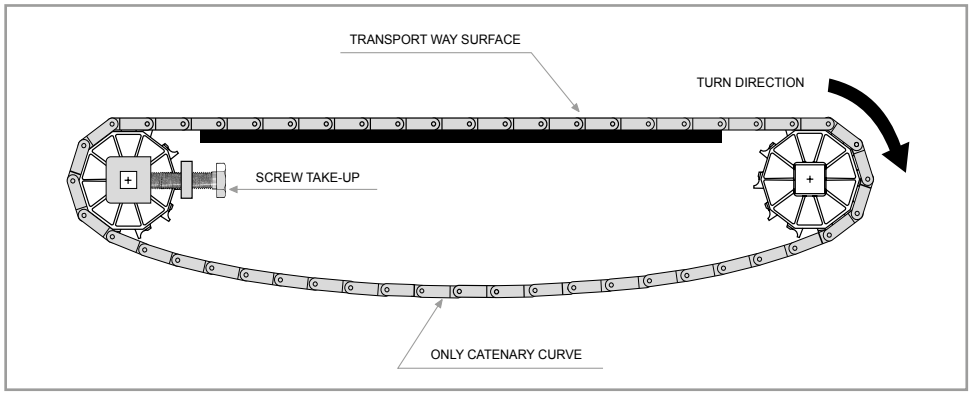
Then the belt can rest on return-way rollers, whose distance will be lesser than that of the first catenary, or on wearstrips.



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.

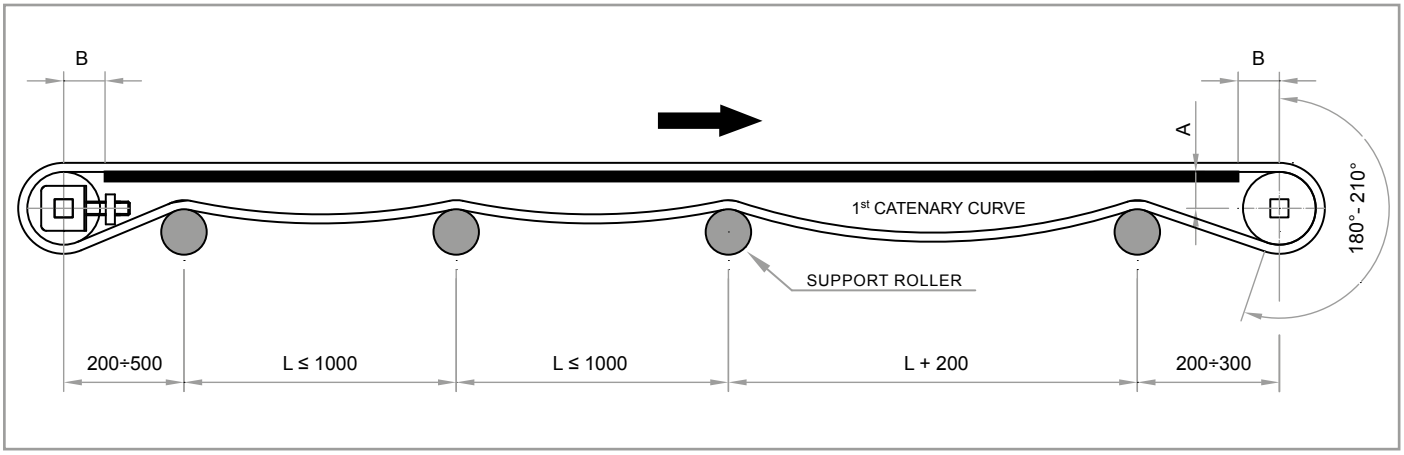


CONVEYOR OVER 2 METRES

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.

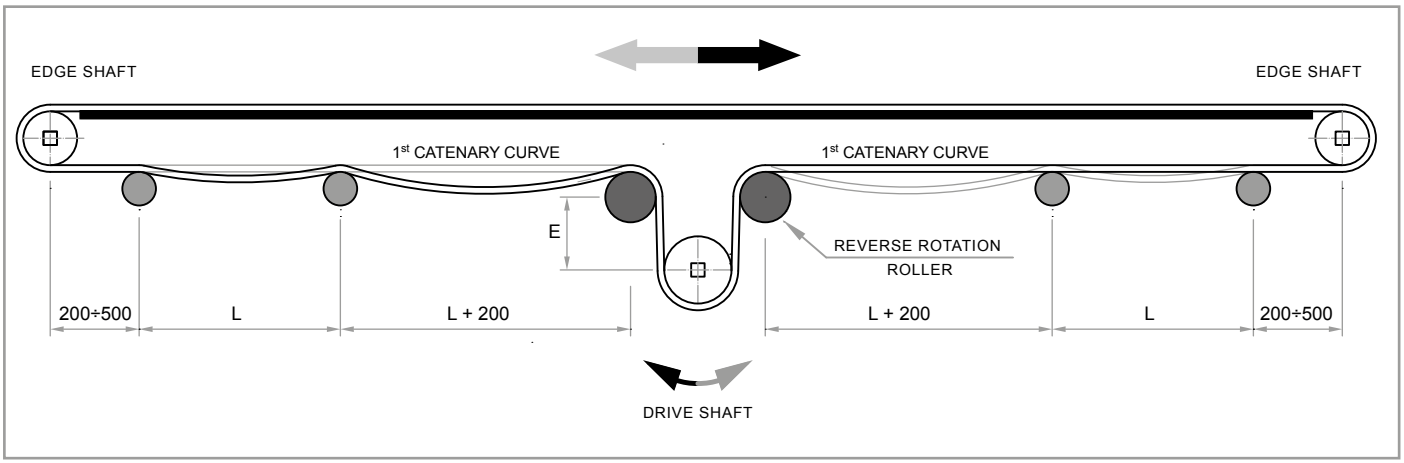
The recommended diameter for the support rollers is 50 mm for the belts with a pitch up to 30 mm, and 100 mm for the belts with a bigger pitch.

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.



Refer to dimensions A and B in page 192.

BIDIRECTIONAL CONVEYOR

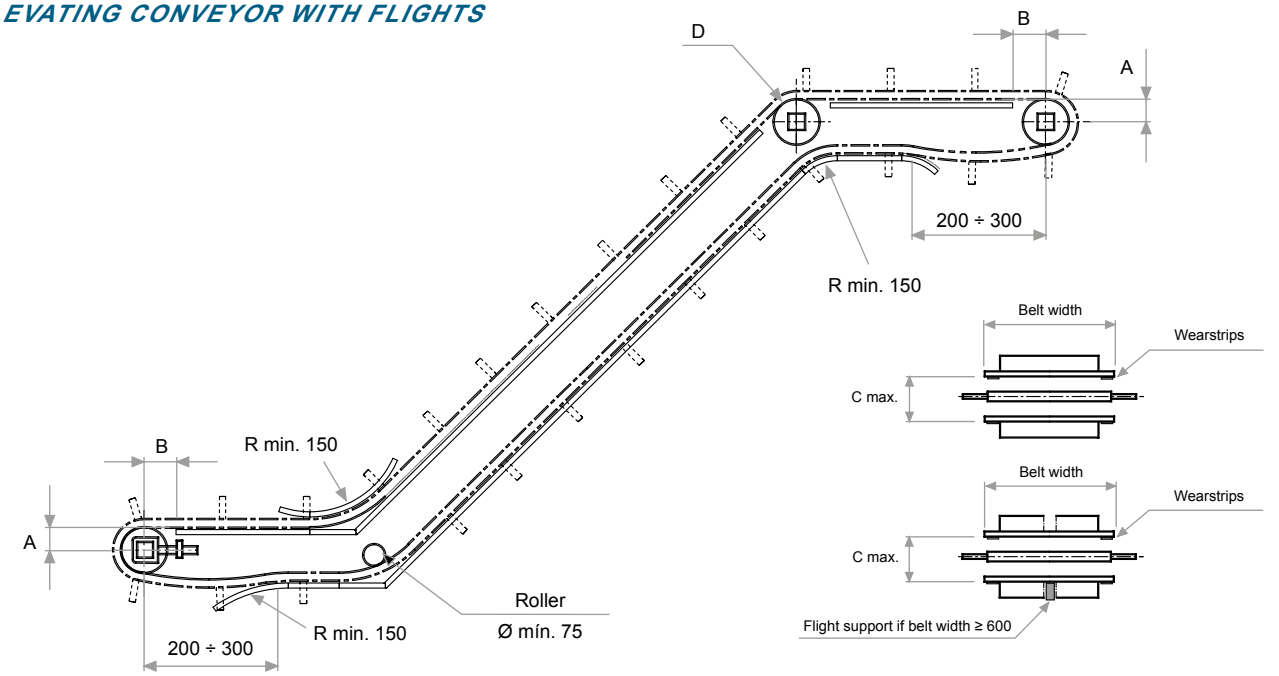


For bidirectional conveyors, the drive shaft is placed in the centre of the return way at a distance (E) which should be at least the triple of the belt pitch with regard to the reverse-rotation rollers. These rollers must have a bigger diameter than the support rollers, 100 mm for the belts with a pitch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

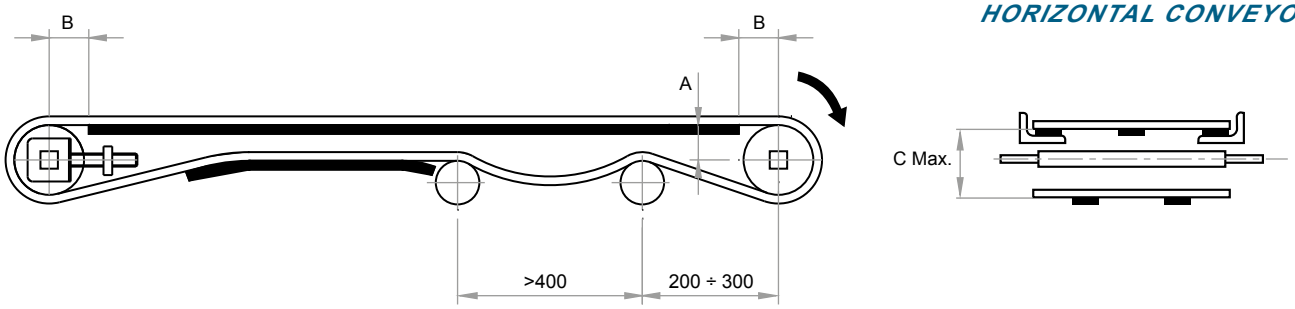
The first catenary at every side of the drive shaft will be bigger than the rest of catenaries.

CONSTRUCTION DATA [CONVEYOR]

ELEVATING CONVEYOR WITH FLIGHTS



HORIZONTAL CONVEYOR



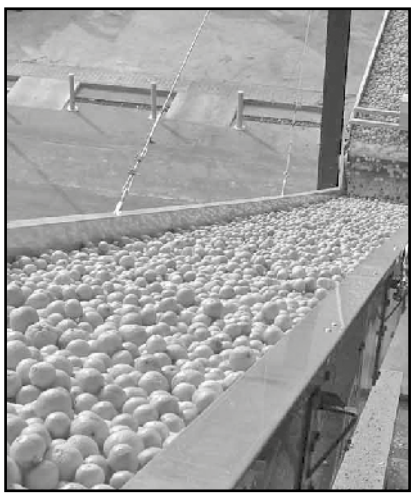
[A] Distance between the sliding surface of the belt and the centre of the shaft.

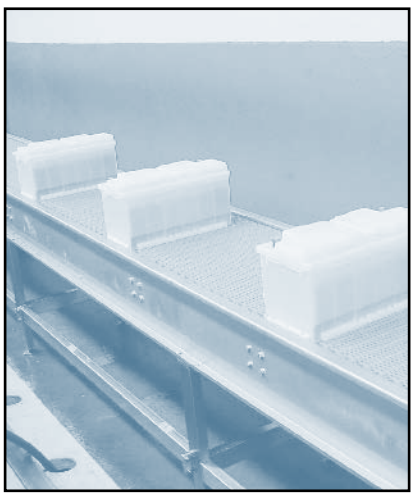
[B] Distance between the vertical of the shaft and the beginning of the sliding surface.

[C] Distance between the sliding surface of the belt and the support of the return way.

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

[R] This radius must be as big as allowed by the application in order to minimize the wear (min. 150 mm). For belts with side guards, consult about this radius.





[Dimensions in mm]

In the construction of conveyors, the distances appearing in the chart below must be respected according to the belt Series and the size of the sprockets.

Nº of teeth T	Ø Pitch	A	B max.	C max.
SERIES C12				
11	42.59	16	22	41
20	76.7	34	35	77
26	99.55	45	40	99
31	118.61	55	45	119
40	152.94	72	52	153
SERIES E20				
8	52.2	20	28	65
16	102.5	46	50	110
24	153.5	72	65	155
SERIES A24				
7	55.31	22	25	55
13	100.25	46	40	100
20	153.41	72	50	155
25	191.48	91	60	195
SERIES E30 - E31 - E32				
6	60	25	30	65
9	87.7	37	40	92
11	106.5	48	50	110
16	153.5	73	65	155
20	191.5	91	75	195
SERIES E40 - E41				
8	104.5	43	45	105
10	129.4	56	55	130
13	167.1	75	70	165
13D	167.1	75	70	165
16	205	94	80	205
20	255.7	120	90	255

Nº of teeth T	Ø Pitch	A	B max.	C max.
SERIES E50				
6	100	42	55	105
8	130.65	58	60	135
10	161.80	72	76	165
16	256.29	120	80	260
SERIES B50				
6	100	42	55	105
8	130.65	58	60	135
10	161.80	72	76	165
12	193.18	89	78	200
16	256.29	120	80	260
SERIES E80				
8	130.65	58	60	135
10	161.8	72	76	165
12	193.18	89	78	200
16	256.29	120	80	260
SERIES E93				
11	106.48	44	50	115
16	153.77	69	65	160
20	191.77	87	75	200

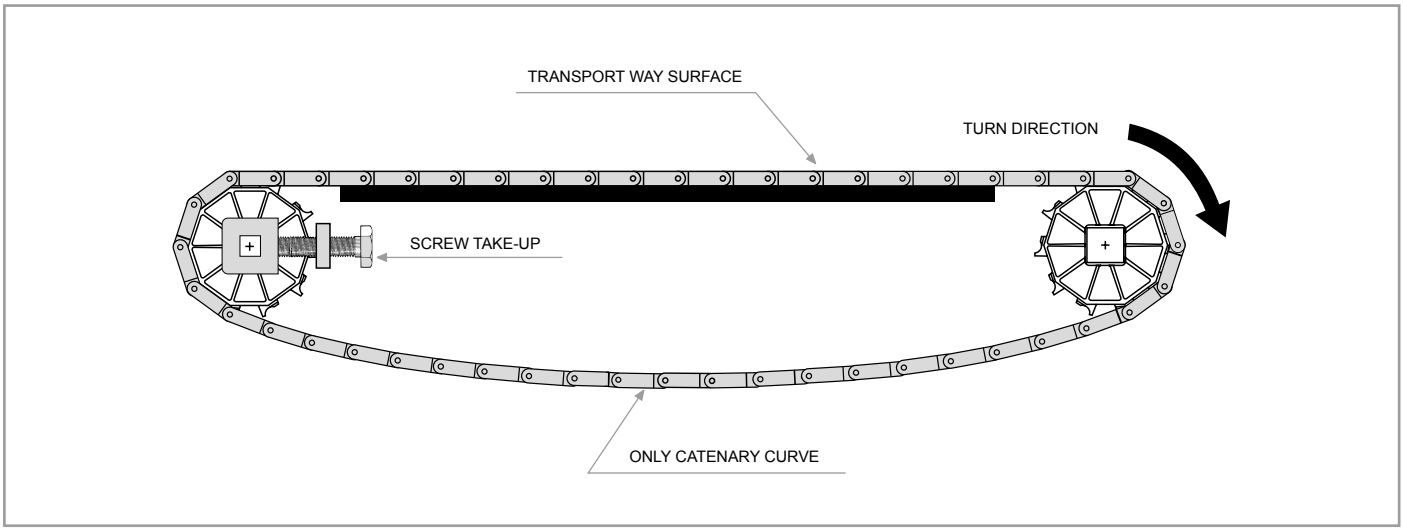
[Dimensions in mm]

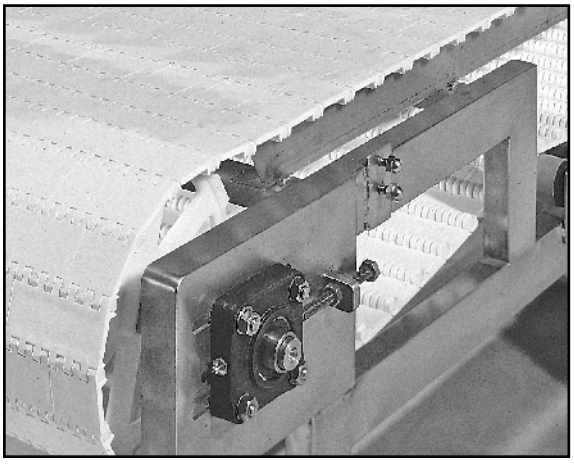
TAKEUPS

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.

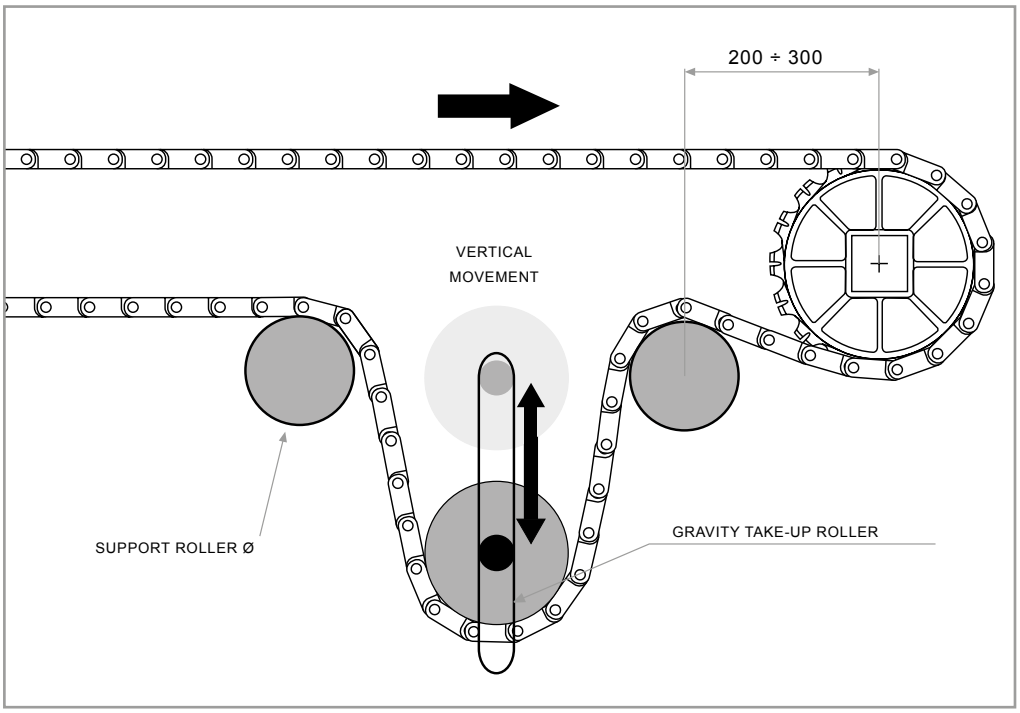
To carry out this displacement, the bearing journals are put on some slots in the structure of the conveyor, making the fastening by means of regulating screws.

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



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.

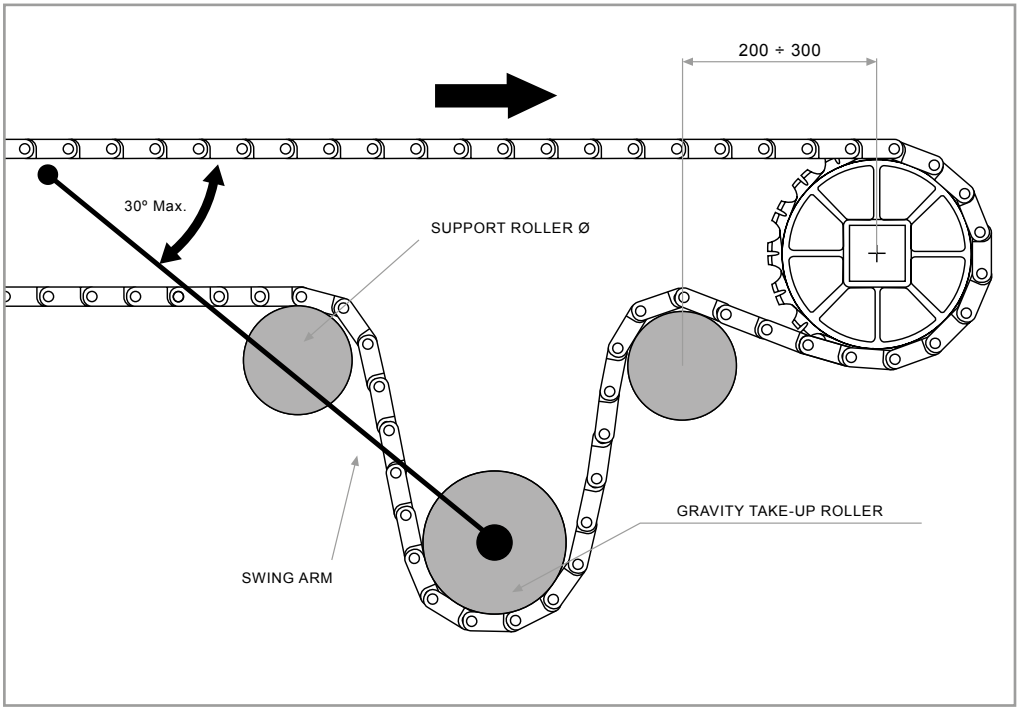
SERIES
C12 / E20 / A24 / E30

Diameter (mm)	Weight (kg per m. of belt width)
Ø 100	20 kg

SERIES
E40 / E41 / E50 / B50 / E80 / E93

Diameter (mm)	Weight (kg per m. of belt width)
Ø 150	40 kg

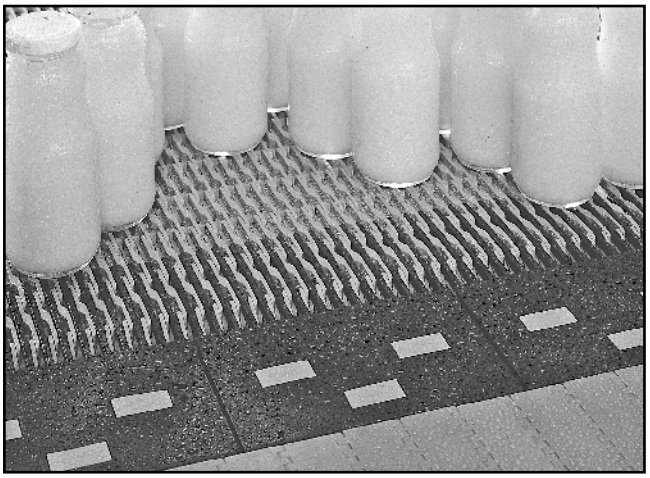
GRAVITY TAKE-UP BY SWING ARM

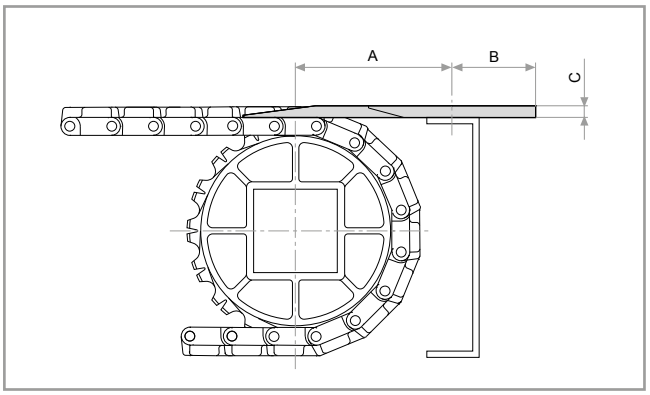


[Dimensions in mm]

TRANSFERENCES

WITH FINGER PLATE





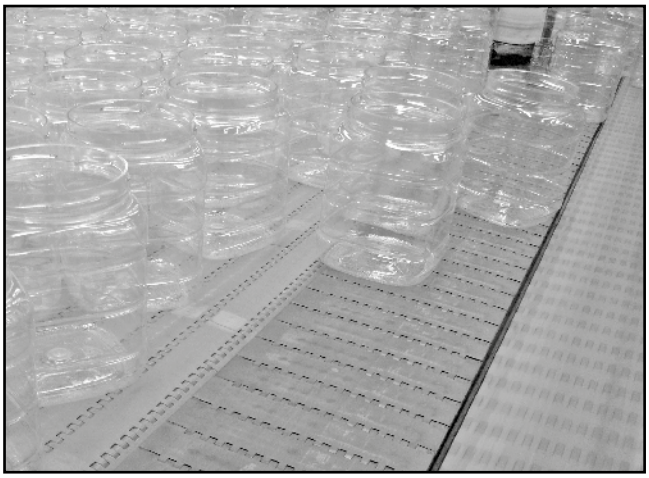
SERIES	A	B	C
E20	75	40	5.5
A24 - E30 - E41	90	50	5.5

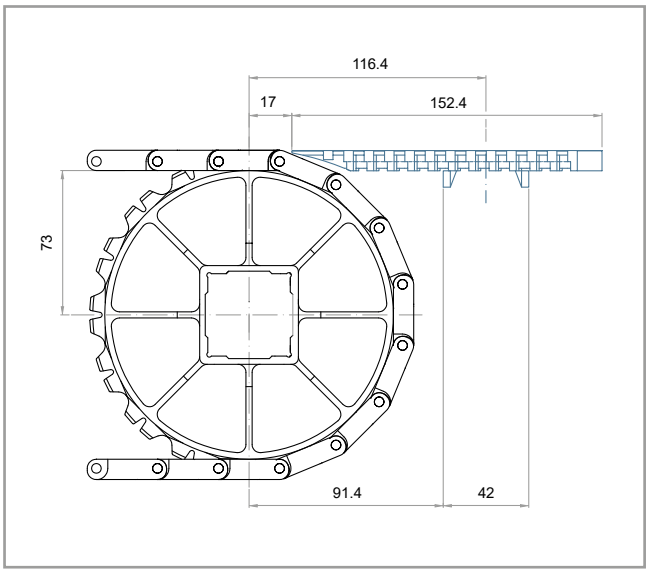
The EUROBELT finger plates are used with the Raised Rib type of Series E20, Series A24, Series E30 and Series E41. The transference can be done in the same direction or at 90 degrees, and it is carried out by the own push of the containers among themselves.

The transference is performed in a tangential way, both in the belt that delivers the containers and in the belt that receives them, avoiding the stumbling of the product with the edges of transference plates, also called dead plates, as well as the possibility of falls by overturning.

It is the ideal transference system for big accumulation tables, palletisers or depalletisers, pasteurisers and intersections of transport lines.

WITH BELT





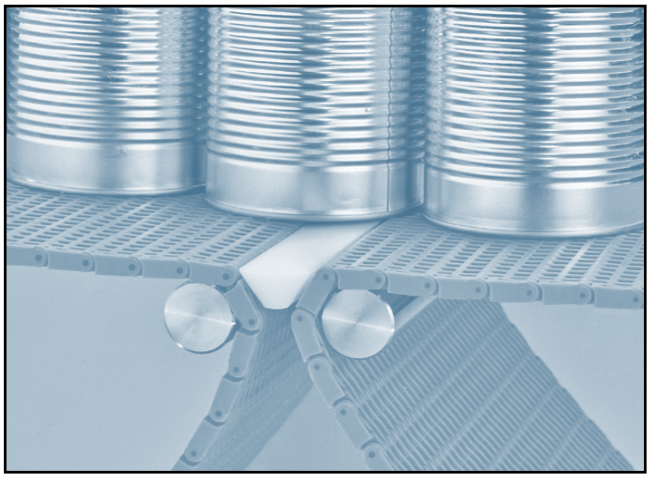
Using the Series E31 Lateral-Transfer Flat Top, dynamic and smooth lateral transferences can be carried out with no need of finger plates.

With one of its edges bevelled we manage to bring nearer the belts taking part in the transference, whereas the lower guides keep the belt aligned.

It has been designed for those applications in which we want to avoid the retention of containers in the transference area as well as to achieve more efficiency in their movement.

[Dimensions in mm]

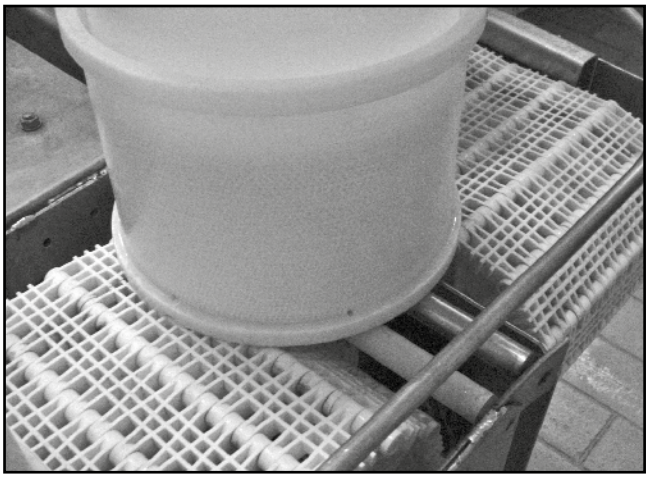
WITH DEAD PLATE



In applications in which the containers have little stability, the transference area can be covered with a small dead plate made of a material of a low coefficient of friction.

It is placed in transferences to be made in the same direction, and it is recommended to be combined with belts of having a small pitch like Series C12, Series E20, Series A24 or Series E30, and turn diameters as small as possible in order to reduce the length of the dead plate.

WITH ROLLERS

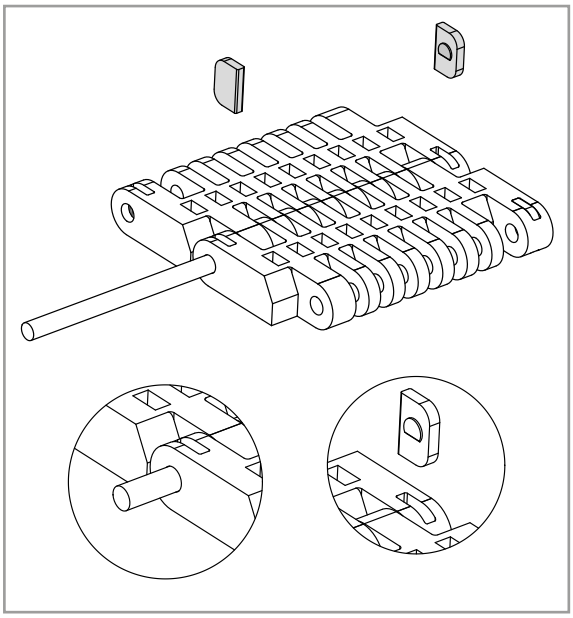


When the containers to be conveyed have a considerable dimension and a good stability, the transference area uses to be covered with free or motorised rollers.

This system is suitable both for transferences in the same direction and for those performed at 90 degrees.

It can be carried out with any of our belts.

INSTRUCTIONS



ASSEMBLY

Eurobelt belts are made of modules which are joined by means of joint rods and which constitute their transport area.

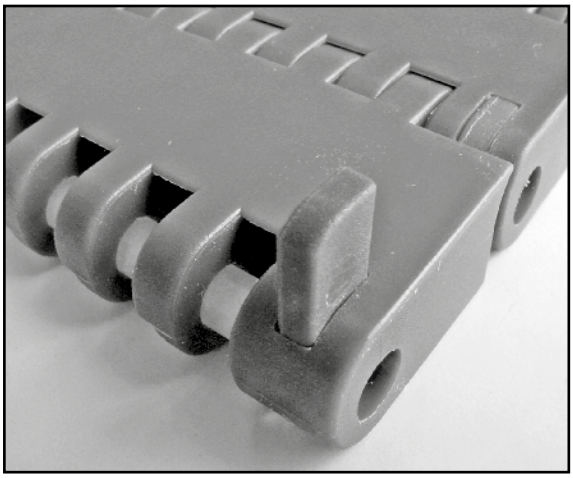
Their modular configuration allows us to manufacture a made-to-measure belt for you.

We will introduce the rod in the hole existing across every module to join the different lines of modules that make up the belt.

The fastening of the rods is carried out by means of extractable caps.

These caps will be inserted into the lodgings existing for that purpose in the end modules.

Finally, in order to make easier the positioning of the belt on the conveyor, both ends of the belt will be joined at the top of the conveyor.



DISMANTLING CAP

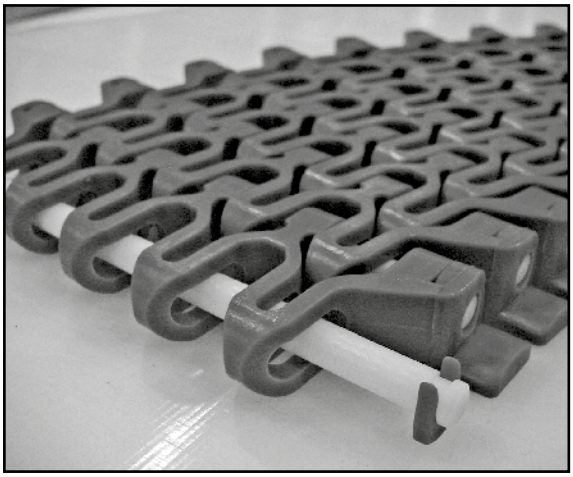
A. Lean the belt on a smooth area, leaving a free space underneath the line we are going to replace to allow the cap to get out.

B. Now we will pull out the caps placed at both ends, always from the top to the bottom.

C. We will push the rods until releasing the damaged module.

D. We will replace the damaged module and will introduce the rods.

E. Insert the caps, always from the top to the bottom.



DISMANTLING CLIP

A. Leave a free space underneath the ends of the line to pull out the clips, always from the bottom to the top.

B. Push the rods until releasing the damaged module.

C. Replace the damaged module and introduce the rods.

D. Insert the clips, always from the top to the bottom.

MAINTENANCE

One of the most important characteristics of the plastic modular belt is the low maintenance cost. With a minimal expenditure in preventive maintenance, the belt can work uninterruptedly until the wear of the material itself, due to the friction with the fixed portions of the conveyor, advises its replacement in order to avoid unexpected stops.

In case of accident (tear or breakage) the repair will just take some minutes, the necessary time for replacing the damaged modules with no need of any specific tool..

The maintenance works must be done by qualified personnel and always according to the valid legislation regarding Job Security.

Before installing and putting into operation the machine, all the checking and general maintenance instructions given by the manufacturer of the conveyor must be read carefully.

It is important to carry out a constant maintenance and/or cleaning of the machine, particularly in those areas in direct contact with the product.

First of all the machine will be switched off to avoid the risk of electric shock. Make sure the general switch is in the off position and the emergency stop of the machine is pressed.

For cleaning our plastic modular belts use water and gel, and rinse with water and disinfectant.

Before applying any gel or disinfectant to the belt, the label of the container should be read carefully to check the composition.

In order not to damage the belt, it is essential the composition of the gel and that of the disinfectant to be very low in chlorine. Any cutting element will never be used for the cleaning of the belt as it can cause its deterioration.

CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 ºC	60 ºC	20 ºC	60 ºC	20 ºC	60 ºC
Acetic acid	V	V	V	Q	-	-
Acetic acid (5%)	V	V	V	V	V	-
Acetone	V	V	V	V	Q	Q
Alcohol (all types)	V	V	V	V	-	-
Aluminium compounds	V	V	V	V	-	-
Alums (all types)	V	V	V	V	-	-
Ammonia	V	V	V	V	-	-
Ammonium compounds	V	V	V	V	-	-
Amyl acetate	Q	NV	Q	NV	-	-
Amyl chloride	NV	NV	Q	NV	-	-
Aniline	V	V	V	NV	-	Q
Aqua regia	NV	NV	Q	NV	-	-
Arsenic acid	V	V	V	V	-	-
Barium compounds	V	V	V	V	-	-
Barium soap fat	V	Q	-	-	-	-
Beer	V	V	V	V	-	-
Benzene	Q	NV	Q	NV	V	Q
Benzene sulphonic acid (10%)	V	V	V	V	-	-
Benzoic acid	V	V	V	V	-	-
Borax	V	V	V	V	-	-
Boric acid	V	V	V	V	-	-
Brake fluid	V	V	-	-	V	V
Brine (10%)	V	V	V	V	V	V
Bromic acid	NV	NV	NV	NV	-	-
Bromine, liquid or vapour	NV	NV	NV	NV	-	-
Bromine water	NV	NV	-	-	-	-
Butyl acetate	NV	NV	Q	NV	-	-
Butyl acid	NV	NV	V	Q	-	-
Butyric acid	V	-	V	Q	-	-
Calcium compounds	V	V	V	V	-	-
Calcium soap fat	V	Q	-	-	-	-
Calgonite (0,3%)	V	V	-	-	V	V
Carbon dioxide	V	V	V	V	-	-
Carbon disulphide	Q	NV	Q	NV	-	-
Carbon tetracloride	NV	NV	NV	NV	V	Q

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Materials:
[PP] Polypropylene
[PE] Polyethylene
[AC] Polyacetal

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[-] No Information

CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C
Cellosolve TM	V	V	-	-	-	-
Chloracetic acid	V	V	-	-	-	-
Chlorine-gas	NV	NV	Q	NV	NV	NV
Chlorine water (0,4% Cl)	V	Q	-	-	NV	NV
Chlorobenzene	NV	NV	Q	NV	-	-
Chloroform	NV	NV	NV	NV	-	-
Chlorosulphonic acid	NV	NV	NV	NV	-	-
Chlorox	NV	V	Q	-	-	NV
Chromic acid (50%)	V	V	V	Q	-	-
Citric acid	V	V	V	V	-	-
Citric acid (10%)	V	V	V	V	V	-
Citrics juice	V	V	V	V	-	-
Clorine liquid	NV	NV	NV	NV	NV	NV
Coconut oil	V	V	V	V	-	-
Copper compounds	V	V	V	V	-	-
Corn oil	V	V	V	V	-	-
Cottonseed oil	V	V	V	V	-	-
Cresol	V	V	V	Q	-	-
Cyclohexane	V	Q	NV	NV	-	-
Cyclohexanone	V	Q	NV	NV	-	-
Detergents	V	V	V	V	V	V
Dextrine	V	V	V	V	-	-
Di-iso-octyl phthalate	V	V	-	-	-	-
Dibutyl phthalate	V	Q	-	-	-	-
Diethanolamine	V	V	-	NV	-	-
Diethyl ether	NV	NV	NV	NV	Q	Q
Diglycolic acid (30%)	V	V	V	V	-	-
Dimethyl phthalate	V	V	-	-	-	-
Dimethylamine	V	-	-	-	-	-
Dioctyl phthalate	V	Q	-	-	-	-
Ethyl acetate	V	V	Q	Q	Q	NV
Ethyl ether	Q	Q	-	-	-	-
Ethylamine	V	V	-	-	-	-
Ethylene chloride	NV	NV	-	-	-	-
Ethylene glicol (50%)	V	V	V	V	V	Q

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CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C
Ferric/ferrous compounds	V	V	V	V	-	-
Formaldehyde (37%)	V	V	V	Q	-	-
Formic acid (85%)	V	Q	V	V	-	-
Freon	-	-	V	V	Q	Q
Fuel oil	V	Q	V	NV	Q	Q
Furfural	NV	NV	Q	NV	-	-
Glucose	V	V	V	V	-	-
Glycerol	V	V	-	-	-	-
Grease	V	V	V	Q	-	-
Heptane	NV	NV	Q	NV	V	V
Hexane	V	Q	NV	NV	-	-
Hydriodic acid	NV	NV	-	-	-	-
Hydrobromic acid (50%)	V	V	V	V	-	-
Hydrochloric acid	V	V	V	V	NV	NV
Hydrochloric acid (10%)	V	V	V	V	NV	NV
Hydrofluoric acid (35%)	V	V	V	V	NV	NV
Hydrogen peroxide (3%)	V	V	V	V	V	V
Hydrogen peroxide (90%)	Q	Q	V	Q	-	-
Hydrogen sulphide	V	V	V	V	-	-
Igepal (50%)	V	V	-	-	V	Q
Iodine-glasses	V	V	Q	Q	-	-
Isooctane	NV	NV	V	-	-	-
Kerosine	Q	NV	Q	Q	V	V
Lactic acid	V	V	V	V	-	-
Lanolin	V	Q	V	V	-	-
Lard	-	-	V	V	-	-
Lauric acid	V	V	V	V	-	-
Lead acetate	V	V	V	V	-	-
Ligroine	Q	NV	-	-	-	-
Lime sulfur	V	-	-	-	-	-
Linseed oil	V	V	V	V	V	V
Lubricating oil	V	Q	-	-	V	V
Magnesium compounds	V	V	V	V	-	-
Malic acid (50%)	V	V	V	V	-	-
Manganese sulphate	V	-	V	V	-	-

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CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 ºC	60 ºC	20 ºC	60 ºC	20 ºC	60 ºC
Margarine	V	V	V	V	-	-
Mercury	V	V	V	V	-	-
Mercury compounds	V	V	V	V	-	-
Methyl cellosolve	V	-	-	-	-	-
Methyl chloride	NV	NV	-	-	-	-
Methyl ethyl kesone	V	Q	NV	NV	-	-
Methyl sulphuric acid	V	V	V	V	-	-
Methylene chloride	Q	NV	NV	NV	-	-
Mineral oil	Q	NV	V	NV	V	V
Mineral alcohols	Q	NV	-	-	-	-
Molasses	V	V	V	V	-	-
Motor oil	V	Q	-	-	V	V
Naphtha	V	Q	Q	NV	-	-
Nickel compounds	V	V	V	V	-	-
Nitric acid (30%)	V	Q	V	V	NV	NV
Nitric acid (50%)	Q	NV	V	Q	NV	NV
Nitric acid (fuming)	NV	NV	NV	NV	NV	NV
Nitrobenzene	V	Q	NV	NV	-	-
Nitrous acids	Q	NV	-	-	-	-
Nitrous oxide	V	-	-	-	-	-
Oil for transformers	V	Q	V	Q	-	-
Oleic acid	V	NV	-	-	V	V
Olive oil	V	V	V	V	-	-
Oxalic acid	V	V	V	V	-	-
Oxygen	NV	NV	-	-	-	-
Ozone	NV	NV	Q	NV	-	-
Palmitic acid (70%)	V	V	V	V	-	-
Perchloric acid (20%)	V	V	V	V	-	-
Perchloroethylene	NV	NV	NV	NV	-	-
Petrol	Q	NV	V	NV	V	V
Phenol (5%)	V	V	V	V	NV	NV
Phenol	V	V	V	V	NV	NV
Phosphoric acid (30%)	V	V	V	V	-	-
Phosphoric acid (85%)	V	V	V	V	-	-
Photographic solutions	V	V	V	V	-	-

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CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 ºC	60 ºC	20 ºC	60 ºC	20 ºC	60 ºC
Phthalic acid (50%)	V	V	V	V	-	-
Plating solutions	V	V	V	V	-	-
Potassium compounds	V	V	V	V	-	-
Potassium iodide 3% iodine	V	V	V	V	-	-
Potassium hydroxide	V	V	V	V	-	-
Potassium permanganate	V	Q	V	V	-	-
Silver cyanide	V	V	-	-	-	-
Silver nitrate	V	V	V	V	-	-
Sodium chlorite	V	Q	V	V	-	-
Sodium compounds	V	V	V	V	-	-
Sodium hydroxide	V	V	V	V	-	-
Sodium hydroxide (60%)	V	V	V	V	V	V
Sodium hypochlorite (5% Cl.)	V	Q	-	-	NV	NV
Stannic chloride	V	V	V	V	-	-
Stannous chloride	V	V	V	V	-	-
Stearic acid	V	Q	V	V	-	-
Succinic acid	V	V	V	V	-	-
Sugar	V	V	V	V	-	-
Sulphamic acid (20%)	V	V	-	-	NV	NV
Sulphite solutions	V	V	-	-	-	-
Sulphur	V	V	V	V	-	-
Sulphur bioxide	V	V	V	V	-	-
Sulphur chloride	V	-	-	-	-	-
Sulphuric acid (3%)	V	V	V	V	V	V
Sulphuric acid (50%)	V	V	V	V	NV	NV
Sulphuric acid (70%)	V	Q	V	Q	NV	NV
Sulphuric acid (fumming)	NV	NV	NV	NV	NV	NV
Sulphurous acid	V	-	V	V	-	-
Tannic acid (10%)	V	V	V	V	-	-
Tartaric acid	V	V	V	V	-	-
Tetrahydrofurane	Q	NV	-	-	-	-
Toluene	NV	NV	NV	NV	Q	NV
Tomato juice	V	V	V	V	-	-
Tributylic phosphate	V	Q	-	-	-	-
Trichloroacetic acid	V	V	-	-	-	-

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CHEMICAL RESISTANCE

CHEMICAL NAME	PP		PE		AC	
	20 ºC	60 ºC	20 ºC	60 ºC	20 ºC	60 ºC
Trichloroethylene	NV	NV	NV	NV	-	-
Tricresylic phosphate	V	Q	-	-	-	-
Trisodium phosphate	V	V	V	V	-	-
Turbosine	Q	NV	Q	Q	V	V
Turpentine	Q	NV	Q	NV	-	-
Urea	V	V	V	V	-	-
Vinegar	V	V	V	V	-	-
Wine	V	V	V	V	-	-
Xylene	NV	NV	NV	NV	-	-
Zinc compounds	V	V	V	V	-	-

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INDUSTRIES

POULTRY

CANDY

DAIRY

BEVERAGE

CONFECTIONERY

FISH

WINE

MEAT

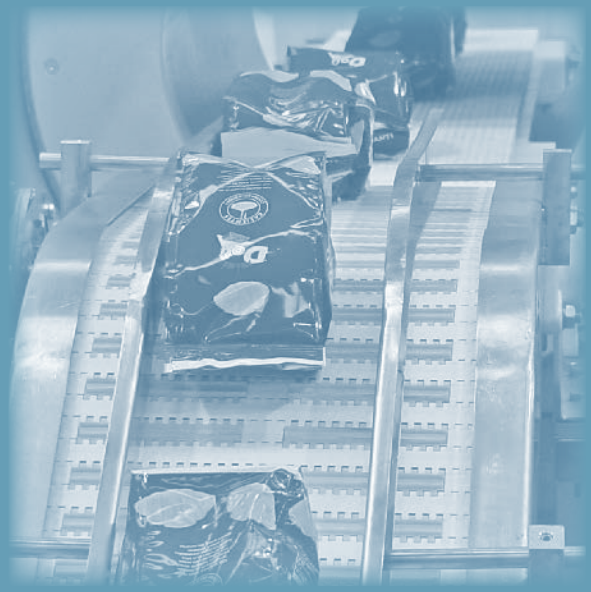
SNAKS

VEGETABLES

CANNING

PACKING

CAR



INDUSTRIES

APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
CAR INDUSTRY																			
Charge of batteries																			
All kind of curves																			
Degreasing																			
Elevating lines																			
Elevators of residues												•							
Tyre production lines												•		•					
Positioning for welding																			
Bidirectional conveyors														•					
Transport of people																			
Transport of delicate pieces																			
Transport of cars																			
Accumulation tables																			
POULTRY																			
Accumulation of containers												•							
Boiling														•					
All kind of curves																			
Metal detectors	•	•	•	•					•	•		•		•					
Chicken frames elevation																			
Elevating and descending spirals																			
Washers of containers														•					
Quartering lines																			
Packaging lines	•	•	•	•					•	•		•		•					
Slicing lines		•		•						•				•					
Reject by weight control	•	•	•	•					•	•		•		•					
Non-slip conveyors						•											•	•	

[FT] Flat Top
[PF] Perforated Flat Top
[FG] Flush Grid
[OG] Open Grid
[OH] Open Grid High
[RR] Raised Rib
[NS] Non Slip
[KN] Knurled

E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
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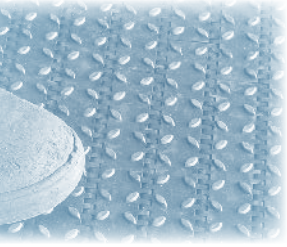

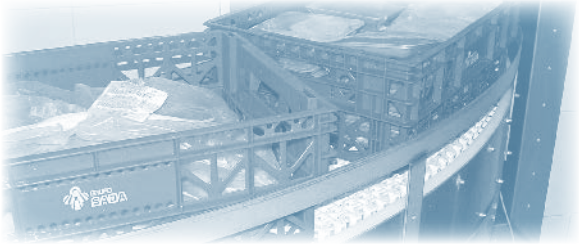

[CO] Conic
[TR] Trian
[TF] Trian Friction Top
[FF] Flat Friction Top
[CF] Conic Friction Top
[SR] Sliding Rollers
[LT] Lateral Transfer

APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
BEVERAGE																			
All kind of curves																			
Casing											•			•		•			
Coolers											•			•		•			
Elevating and descending spirals																			
Filters of residues																			
Control and inspection											•			•		•			
Washers		•												•					
Height speed lines	•	•	•	•					•			•		•					
Palletisers and depalletisers		•										•		•		•			
Pasteurisers																			
Accumulation tables		•							•		•	•		•		•			
SWEETS																			
Accumulation			•						•			•							
Hopper feeders			•						•			•							
Metal detectors	•	•	•	•					•	•		•		•					
Distributors			•						•			•							
Elevators												•		•					
Elevating and descending spirals																			
Humidifiers		•		•										•					
Cooling lines		•		•										•					
Packaging	•	•	•	•					•			•		•					

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E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
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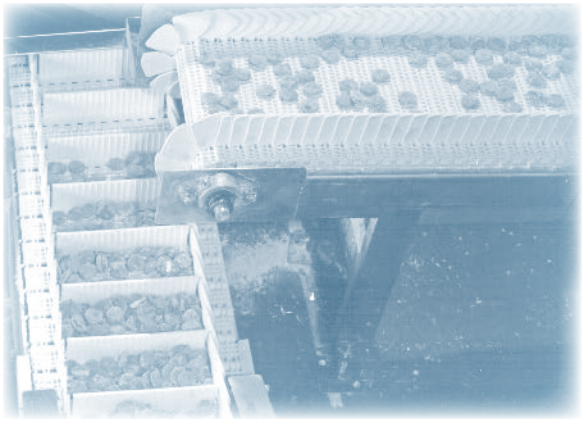

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APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
MEAT																			
Boiling																			
Metal detectors	•	•	•	•					•	•		•		•					
Elevators												•							
Washers														•					
Cut and quartering lines																			
Evisceration lines																			
Transport and inspection lines									•					•					
Liquid injection machines																			
Plastic film wrapping		•		•										•					
Vacuum machines												•		•					
Freezing tunnels																			
Pasteurisers																			
PRESERVED FOOD																			
Whiteners																			
Selection tables		•		•						•				•					
Boiling																			
Freezers																			
Metal detectors		•		•	•					•	•			•		•			
Swan-necked elevators												•		•					
Magnetic elevators	•	•	•						•			•							
Casing		•		•	•					•	•			•		•			
Washers		•												•					
Oil filling lines		•		•										•					
Palletisers and Depalletisers	•	•	•		•				•		•	•				•			
Pasteurisers																			
Accumulation tables		•							•	•	•	•		•		•			
Acid towers (for peeling fruit)															•				

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E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
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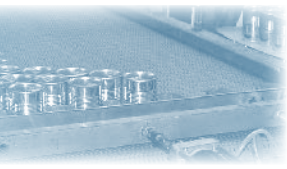
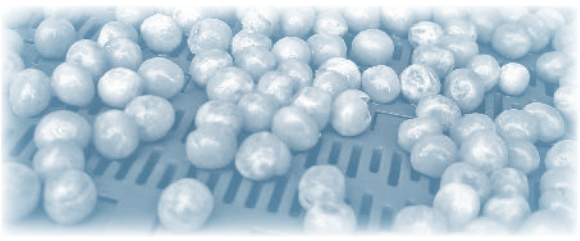


[CO] Conic
[TR] Trian
[TF] Trian Friction Top
[FF] Flat Friction Top
[CF] Conic Friction Top
[SR] Sliding Rollers
[LT] Lateral Transfer

APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
VEGETABLES																			
Whiteners																			
Freezers																			
All kind of curves																			
Metal detectors	•	•	•	•					•			•		•					
Swan-necked elevators												•		•					
Casing		•		•	•					•	•			•		•			
Sewage filter		•		•	•					•	•			•		•			
Hydrocooling		•												•					
Transport lines in flooded pools				•						•				•					
Selection tables in closed circuit																			
Pasteurisers																			
Non-slip conveyors						•											•	•	
Treatment with acids		•		•										•					
DAIRY																			
Brine pools														•					
Freezing																			
All kind of curves																			
Metal detectors	•	•	•	•					•			•		•					
Cheese moulds elevators																			
Whey wringers		•		•										•					
Drying ovens		•		•										•					
Cooling lines		•		•										•					
Chemical treatment machines				•										•					
Cheese presses														•					
Turning round of boxes												•		•					



[FT] Flat Top
[PF] Perforated Flat Top
[FG] Flush Grid
[OG] Open Grid
[OH] Open Grid High
[RR] Raised Rib
[NS] Non Slip
[KN] Knurled

E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
	■		•			■	•	•	•								•	•	•	•	•	■	■	■	■
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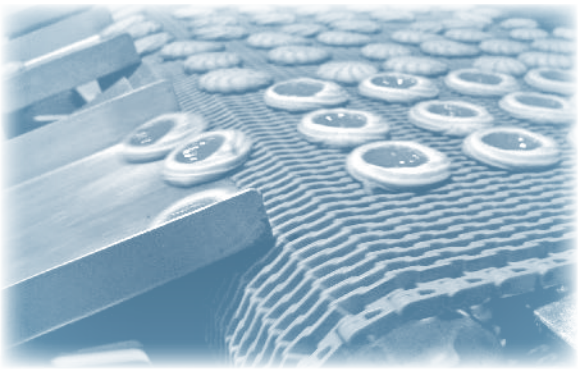
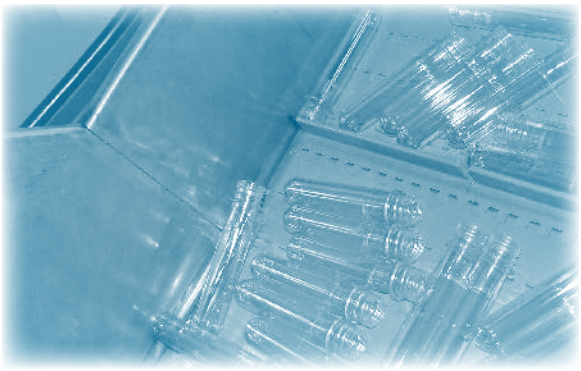
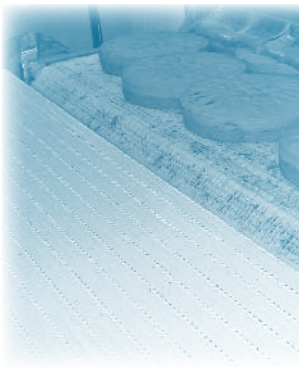
[CO] Conic
[TR] Trian
[TF] Trian Friction Top
[FF] Flat Friction Top
[CF] Conic Friction Top
[SR] Sliding Rollers
[LT] Lateral Transfer

APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
PACKING																			
Pile-up machines	•	•	•									•							
Accumulation								•											•
Pallet automatic loader																			
Diverters	•	•	•									•							
Metal detectors	•	•	•	•					•			•		•					
Distributors		•										•							
Flexible distributors																			
Vertical elevators																			
Accumulation or elevation spirals																			
Packing closed circuits																			
CONFECTIONNERY																			
Accumulation tables of boxes-containers	•		•						•			•		•					
Loaders of tunnel ovens		•		•										•					
All kind of curves																			
Metal detectors		•		•						•				•					
Elevators with flights												•		•					
Vertical elevators																			
Cooling and freezing spirals																			
Cooling lines		•		•	•									•		•			
Selection tables		•		•										•					
Accumulation tables	•		•		•											•			
Non-slip conveyors						•											•	•	







[FT] Flat Top
[PF] Perforated Flat Top
[FG] Flush Grid
[OG] Open Grid
[OH] Open Grid High
[RR] Raised Rib
[NS] Non Slip
[KN] Knurled

E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
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					•											•									•
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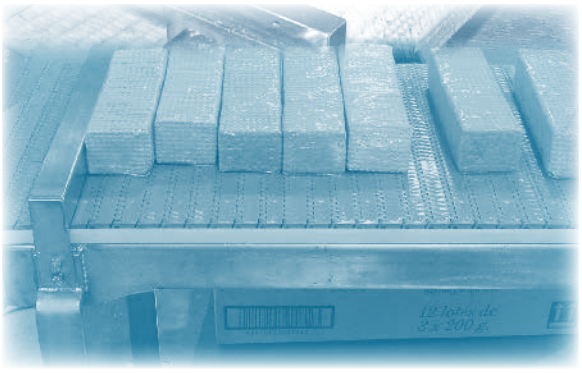

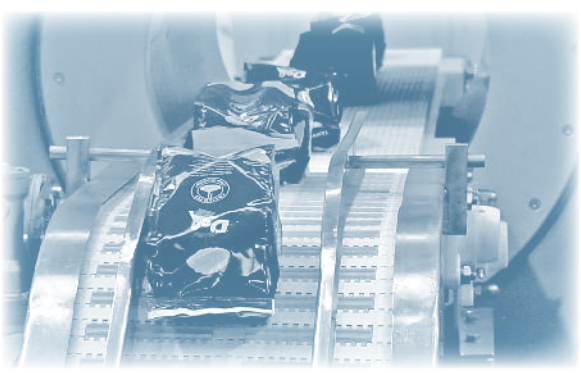

[CO] Conic
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[TF] Trian Friction Top
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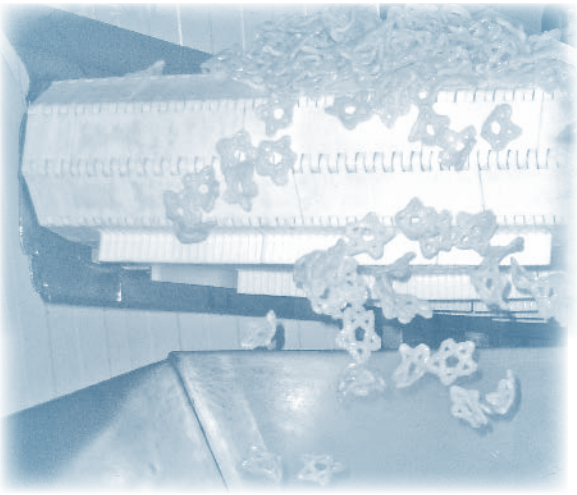
APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
FISH																			
Boiling																			
Desfreezing														•	•				
Metal detectors	•	•	•	•					•	•		•		•					
Elevators												•		•					
Icing of frozen products		•			•						•				•	•			
Washers														•					
Aseptic transport lines	•	•	•	•					•	•		•		•					
Plastic film wrapping	•	•	•	•	•				•	•	•	•		•		•			
Macerating and mixing applications		•		•									•	•					
Freezing tunnels																			
Drying tunnels		•		•						•				•					
SNACK																			
Lines for product preparation		•		•										•					
Feeder for rotating tables						•											•	•	
Metal detectors	•	•	•	•					•	•		•		•					
Elevators												•		•					
Coolers		•		•										•					
Washers				•										•					
Salters		•		•										•					



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E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
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	■	●				■	●		●								●	■	●	●		■	■	■	■
	■					■				●	●						■	■				■	■	■	■
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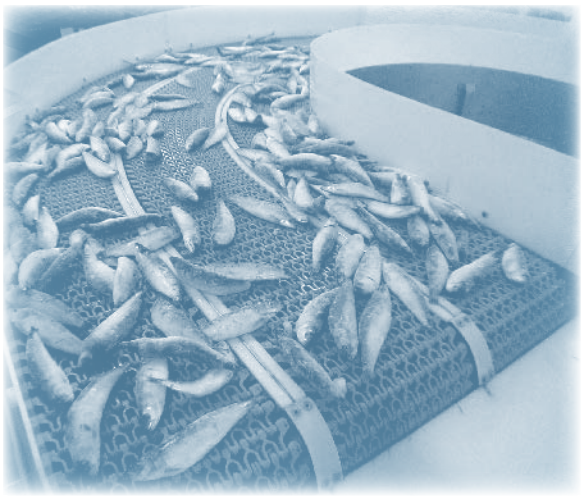

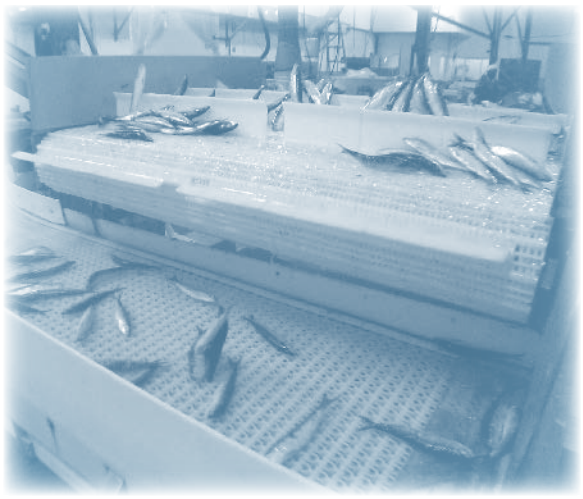

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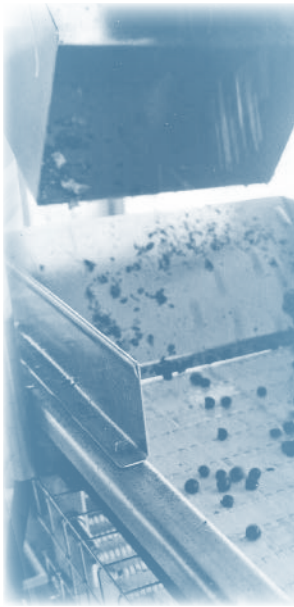
APPLICATIONS

APPLICATIONS INDUSTRY	C12		E20						A24			E30							
	FT	FG	FT	FG	RR	TF	TR	SR	FT	FG	RR	FT	PF	FG	OG	RR	TF	FF	SR
WINE																			
Infeed for stalk removing																			
Bottles feeding	•	•	•	•					•			•						•	
Elimination belts																			
Casing										•	•			•		•			
Elevators																			
Washers																			
Lines of different speeds		•							•			•							
Selection tables																			
Palletisers and depalletisers	•			•	•					•	•			•		•			
Pasteurisers																			
Accumulation tables	•	•	•		•				•		•	•				•			
Reception hoppers																			



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E31	E32	E40				E41	E50									B50			E80		E93			
LT	FT	FT	FG	NS	SR	RR	FT	PF	FG	OG	OH	KN	CO	TF	CF	SR	FT	PF	FG	FT	PF	FG	CO	CF	SR
																	•			•					
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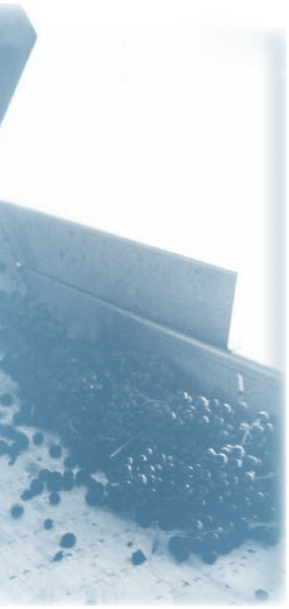

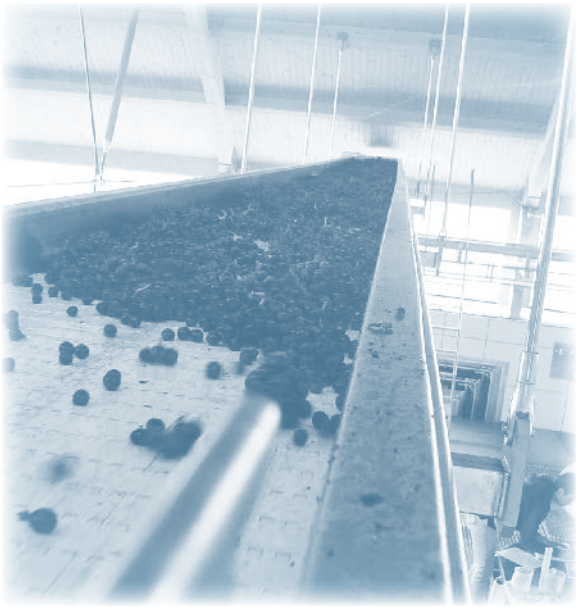

[CO] Conic
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[FF] Flat Friction Top
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[SR] Sliding Rollers
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CUSTOMER SERVICE

EUROBELT elements are manufactured with plastic materials. Consequently, their direct exposure to fire or to higher temperatures than those indicated can produce their deflagration together with the emission of toxic fumes.

EUROBELT elements are guaranteed for a period of one year from the date of shipment with respect to the repair or substitution of any component whose materials or manufacture is defective, provided it is demonstrated that the work has been done under normal conditions of use.

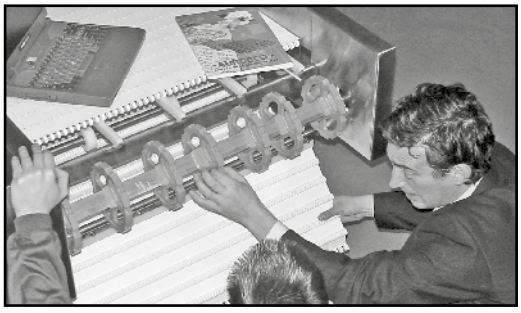
No other expressed or implicit guarantee is given, unless it were set down in writing and approved by the manufacturer.

Any use of the EUROBELT products has to observe the regulations and rules prevailing and the user is the only responsible to make observe these regulations when incorporating those products into any machine.

To clean our plastic modular belts, use water and gel, rinse with water and disinfectant. We recommend the manipulation to be always carried out by qualified personnel as well as to fulfil the instructions of revision and maintenance given by the manufacturer of the conveyor.

The data included here are of informative nature. Their applicability to the design of any installation is not guaranteed.

The manufacturer does not assume any responsibility for the repercussions derived from the use of his products, whether it is based or not on the information herein.



AFHER EUROBELT S.A.
Topacio, 41
47012 Valladolid (Spain)
Tel.: +34 983 217 480
Fax: +34 983 217 481
afher@eurobelt.com
www.eurobelt.com

Junta de Castilla y León
Europa impulsa nuestro crecimiento
FONDO EUROPEO DE DESARROLLO REGIONAL
UNION EUROPEA

SMEs' International Expansion of Community Castilla y León

OBJECTIVE: "To achieve a more competitive business framework"

Subsidized action:

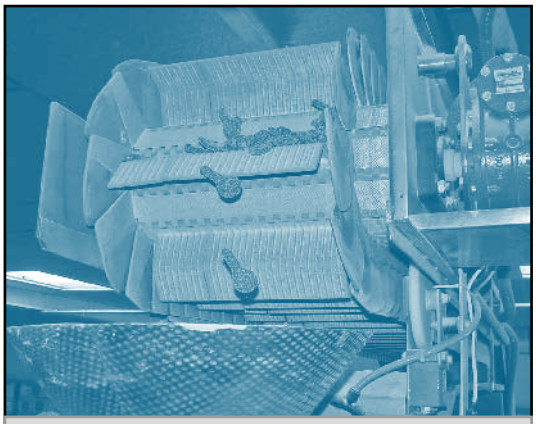
Making catalogs and brochures in English, French, Italian and Portuguese

Co-financed project by the Institute for Business Competitiveness of Castilla y León (ICE) and the European Regional Development Fund (ERDF)

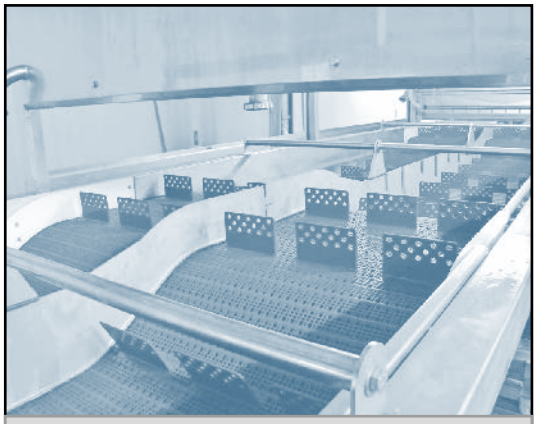
Operational Program of Castilla y León 2014-2020

APPLICATIONS


COOLING LINES


HOPPER FEEDERS


ELEVATORS


LINE FOR SHRIMPS BOILING


DESFREEZING


SALTERS