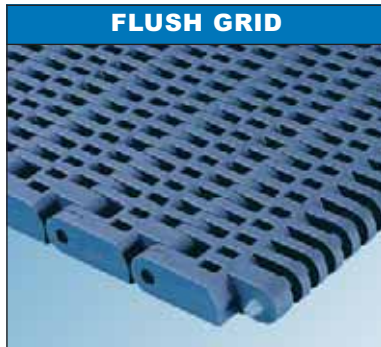


Pitch	40 mm
Drive system	Central
Belt width	Multiples of 10 mm
Advised minimum width	150 mm
Rod diameter	Ø 6 mm

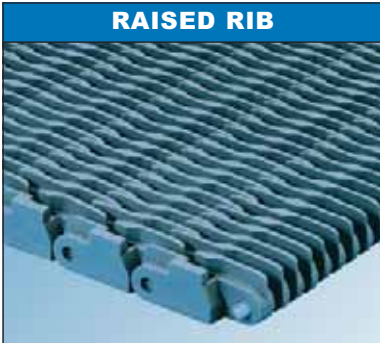
**FLAT TOP**



**FLUSH GRID**



**RAISED RIB**



**NON SLIP**



**SLIDING ROLLERS**



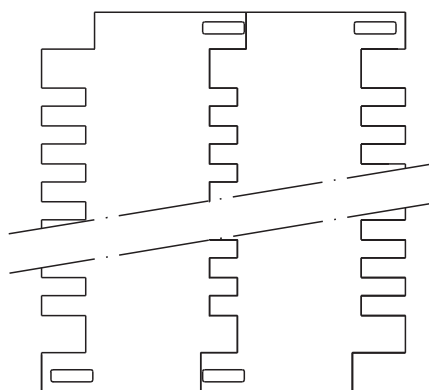
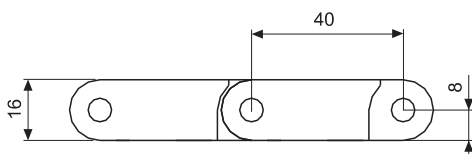
**SERIES 40 - 41**

**SERIES 40 FLAT TOP**



Pitch	40 mm
Surface	Flat Top
Open area	0%
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Widths with one module	Up to 200 mm
Advised minimum width	150 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
Polypropylene	Polypropylene	3,600	+1 to +104	11.01	white - grey
Polyethylene	Polyethylene	2,730	-50 to +65	11.34	natural
Polyacetal	Polypropylene	4,910	+1 to +90	16.42	blue



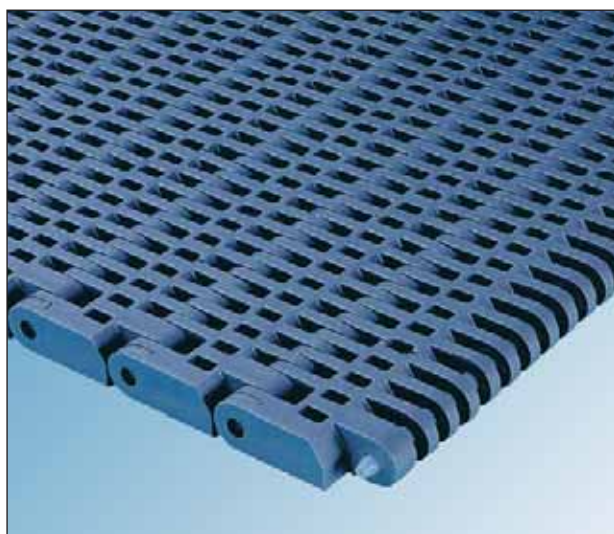
- Positioning for welding
- Transport of delicate pieces
- Accumulation of containers
- Swan-necked elevators



With a closed surface, it is the suitable belt for all those applications not needing any drainage through the belt and / or in which the product to be transported is small.

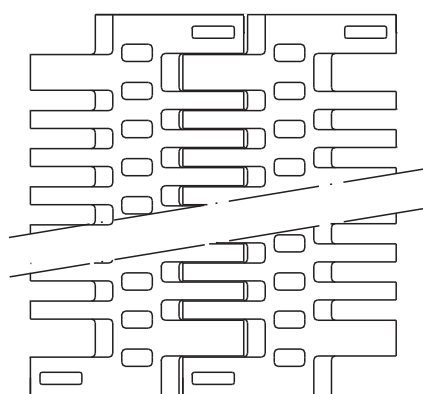
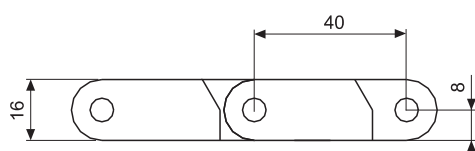
Its great mechanical resistance make it be ideal for applications having big transport lengths or bearing very heavy loads.

## SERIES 40 FLUSH GRID



Pitch	40 mm
Surface	Flush Grid
Open area	14%
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Advised minimum width	150 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
Polypropylene	Polypropylene	3,600	+1 to +104	11.06	white - grey
Polyethylene	Polyethylene	2,700	-50 to +65	11.25	natural
Polyacetal	Polypropylene	4,800	+1 to +90	16.05	blue



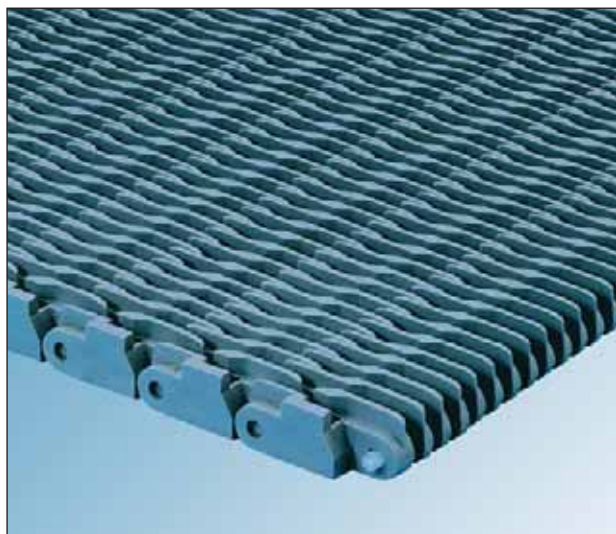
- Pasteurisers
- Big accumulation tables
- Charge of batteries
- Degreasing applications



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

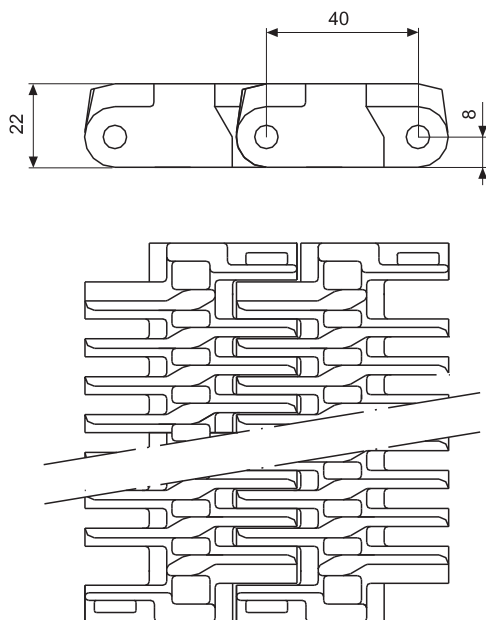
It is ideal for those applications in which a great belt resistance is required, for very long conveyors, and/or when there is a heavy load to be transported.

**SERIES 41 RAISED RIB**



Pitch	40 mm
Surface	Raised Rib
Open area	25%
Thickness	22 mm
Drive system	Central
Belt width	Multiples of 10 mm
Advised minimum width	150 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
Polypropylene	Polypropylene	3,600	+1 to +104	12.03	grey



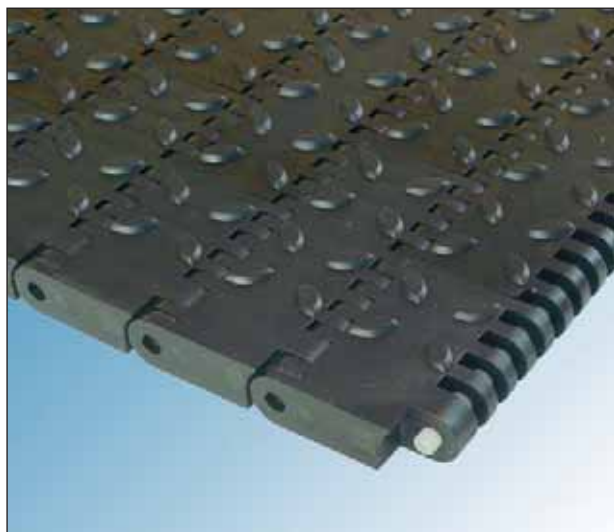
With a configuration of projecting ribs, it enables to make transferences of product by using finger plates.

The central reinforcement of the ribs allows the lateral entrance of cans, glass bottles or containers in general, avoiding their overturning as well as damages in the belt surface.

- Pasteurisers
- Accumulation tables
- Casing
- Palletisers and depalletisers
- Coolers

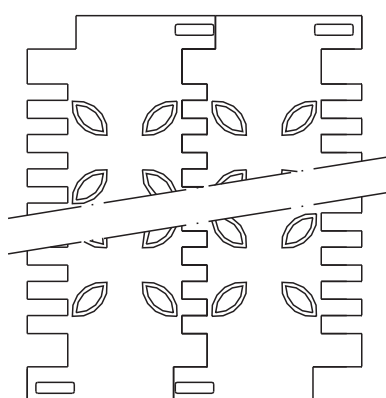
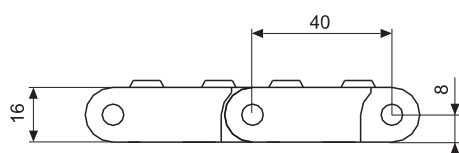


## SERIES 40 NON SLIP



Pitch	40 mm
Surface	Non Slip
Open area	0%
Thickness	16 mm
Drive system	Central
Belt width	Multiples of 10 mm
Advised minimum width	150 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Material of the belt	Material of the cross rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Conductive polypropylene	Conductive polypropylene	3,600	+1 to +104	11.97	black



- Non-slip conveyors
- Transport of people
- Transport of cars



It has a closed surface with a new relief specially designed to avoid slips. It is very easy to clean even through industrial mechanical means.

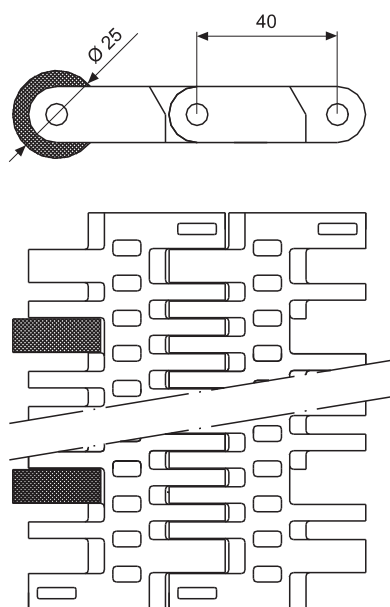
Its high resistance to traction and to chemical aggression of oils and industrial acids make it be the suitable belt for conveying people, for assembly lines in the car industry, for conveying furniture, electrical appliances, etc.

## SERIES 40 SLIDING ROLLERS



Pitch	40 mm
Surface	Flush Grid
Drive system	Central
Belt width	Multiples of 10 mm
Advised minimum width	150 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

Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flush Grid	Polypropylene	Polypropylene	3,600	+1 to +90	white - grey
Flush Grid	Polyethylene	Polyethylene	2,700	-40 to +65	natural
Flush Grid	Polyacetal	Polypropylene	4,800	+1 to +90	blue



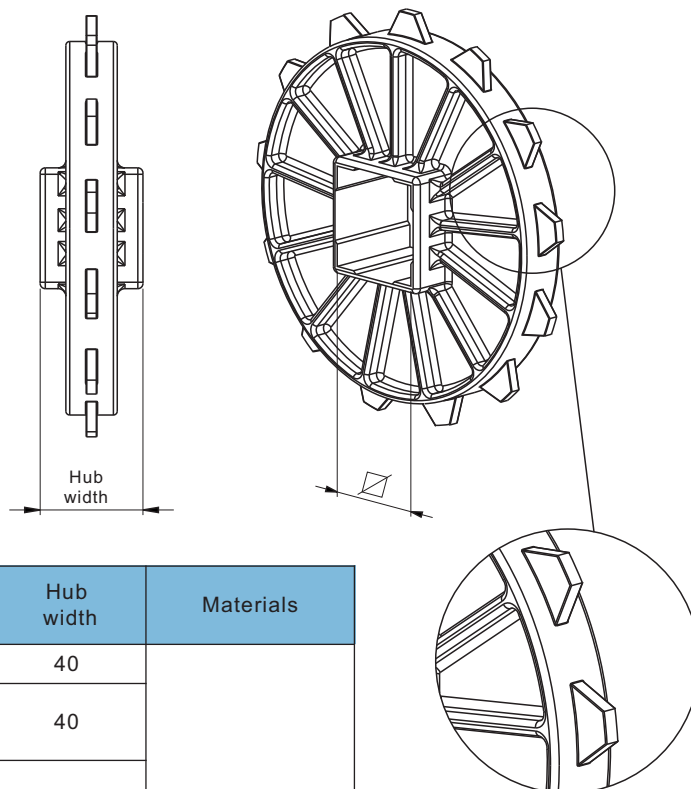
The small rollers inserted on its surface, that revolve whenever there is accumulation, avoid crushing and damages in the base of the product.

It has been designed mainly to solve problems of transport of boxes, containers, ...





## SPROCKETS

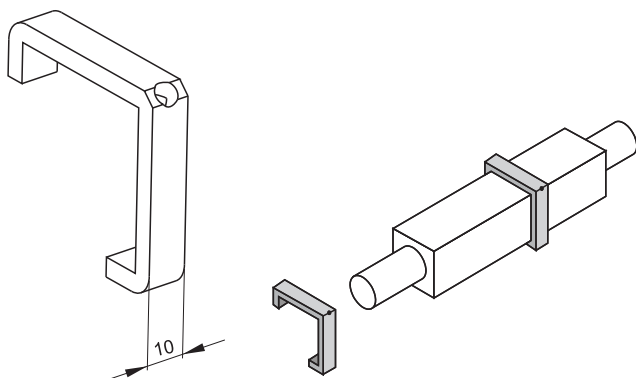


N° of teeth T	Pitch Ø	Bore $\nabla$		Hub width	Materials
		mm	inch		
8	104.5	40	-	40	Polypropylene Polycetal Stainless steel
10	129.4	40 60	-	40	
13	167.1	40 60	-	40	
16	205	40 60	-	40	
20	255.7	40 60 90	1.5"	40	

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.

## RETAINING RINGS

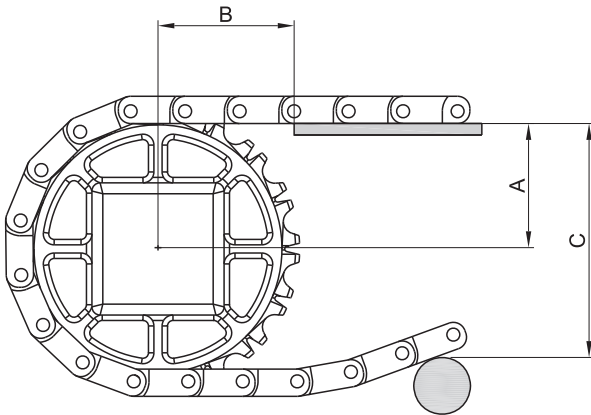


The fastening of the central sprocket is made through retaining rings manufactured in AISI-316 stainless steel. Their design allows an easy installation without dismantling or grooving the shaft. They are fastened through a screw that remains perfectly fixed in the ring.

Bore $\nabla$	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6



DESIGN DATA

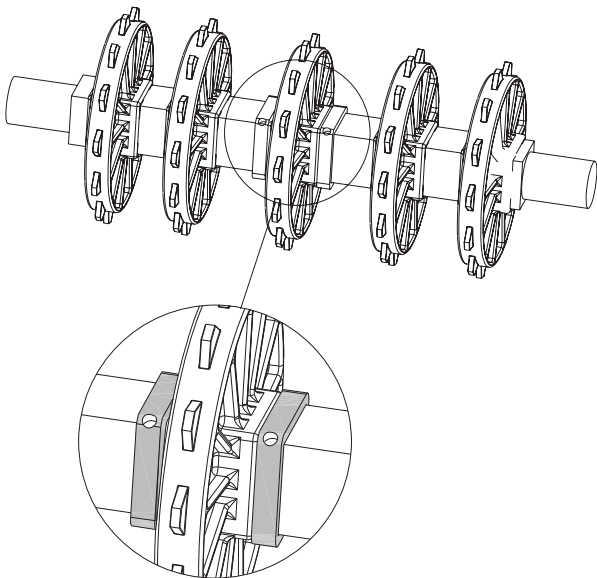


In the building of conveyors, the distances appearing in the table should be respected depending on the sprocket size:

Pitch Ø	A	B max.	C max.
104.5	43	45	105
129.4	56	55	130
167.1	75	70	165
205	94	80	205
255.7	120	90	255

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.

INSTALLATION



You must put 1 sprocket in the middle fastened with 2 retaining rings. Then you should put the same quantity of sprockets, without any fastening, at each side of that central sprocket. You should proceed the same way in both shafts.

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:

Minimum quantity:	$\frac{\text{Belt width (mm)}}{150 \text{ mm}}$
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This quantity must always be odd.

## FLIGHTS AND SIDE GUARDS



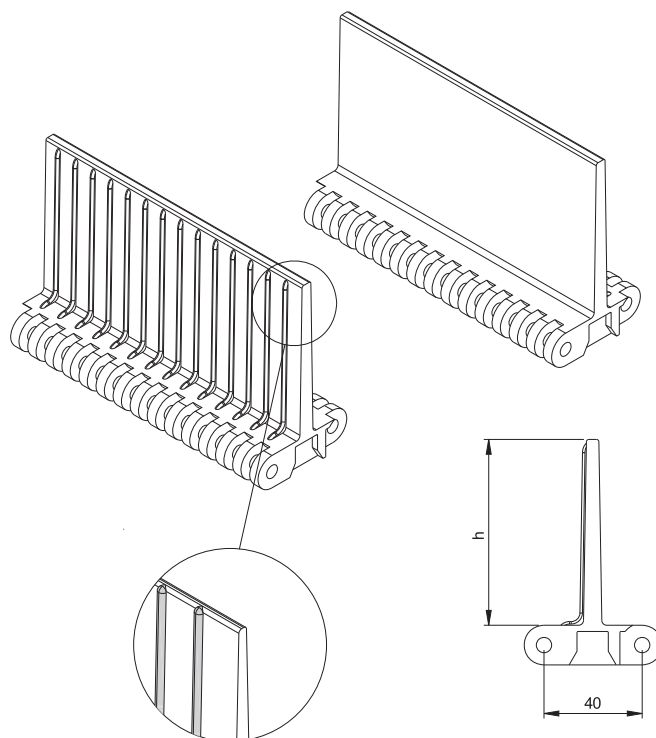
Accessories	h	Materials
90° right flight	25 50 75 100	Polypropylene Polyethylene Polyacetal
Bent flight	on request	Polypropylene Polyethylene
Side guards	50 75 100	Polypropylene Polyethylene Polyacetal

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.

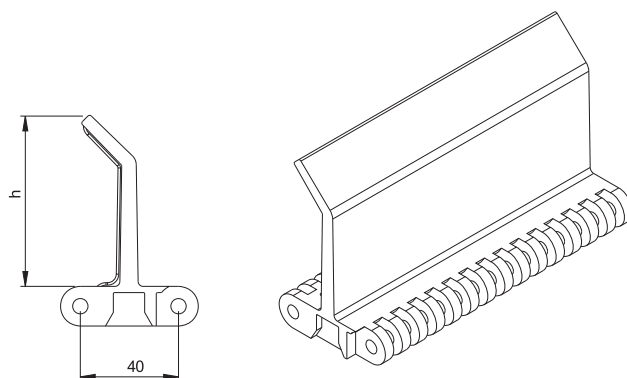
The side guards are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

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

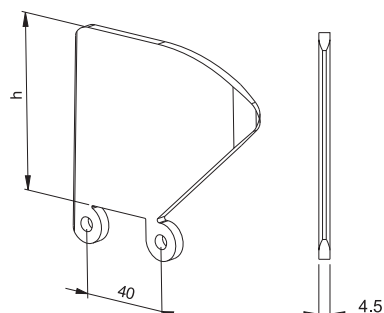
### 90° RIGHT FLIGHT



### BENT FLIGHT



### SIDE GUARDS



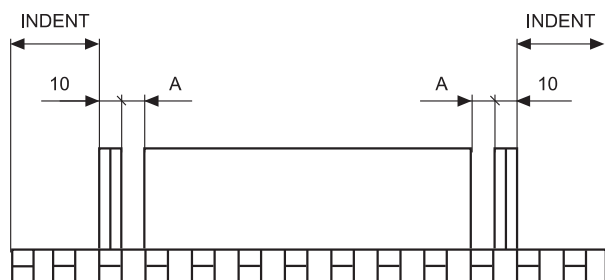
## BELT ONLY WITH FLIGHTS



The distance between the side edges of the belt and the flights (indent) must be a multiple of 10 mm, being 30 mm the minimum.

The pitch of flights in Series 40 should be a multiple of 80 mm.

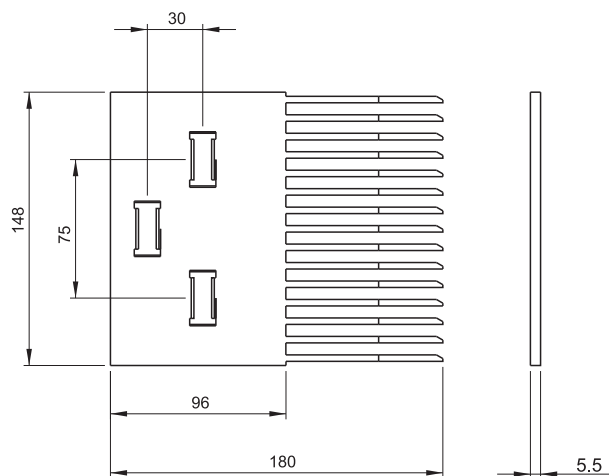
## BELT WITH FLIGHTS AND SIDE GUARDS



If the belt has both Flights and Side Guards, the minimum distance between them (A) will be:

- 10 mm if the indent is a multiple of 10 mm (minimum indent to be 30 mm)
- 5 mm if the indent is a multiple of 10 mm + 5 (minimum indent to be 35 mm)

## FINGER PLATES



Materials	Colours	N° of teeth	N° of holes	Screw dimension
Nylon	Black	15	3	6 x 19
Polyacetal	Grey			

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.

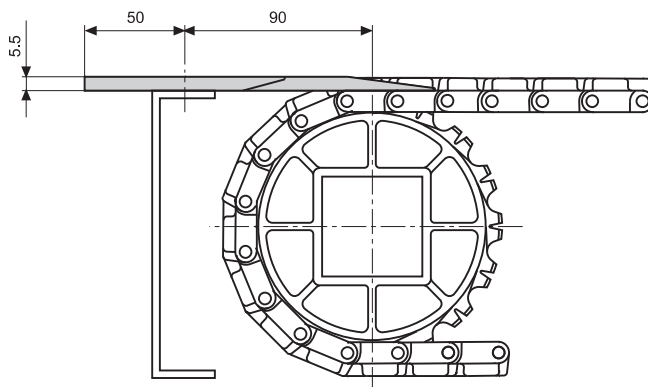
The finger plates are manufactured in nylon and have 15 teeth. These teeth couple perfectly among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

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

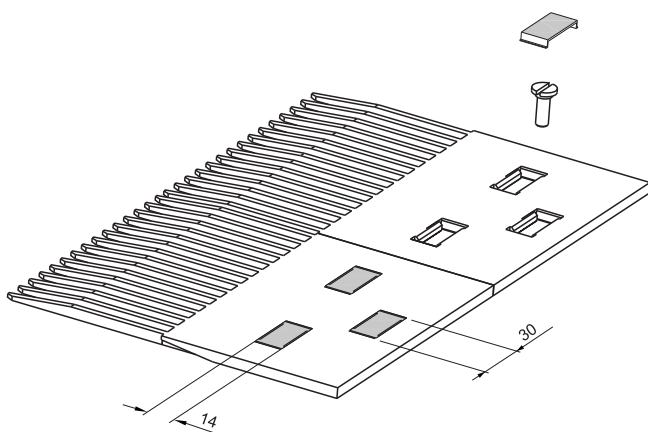
Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

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.

### DESIGN DATA



### INSTALLATION





## HOLD-DOWN ROLLERS



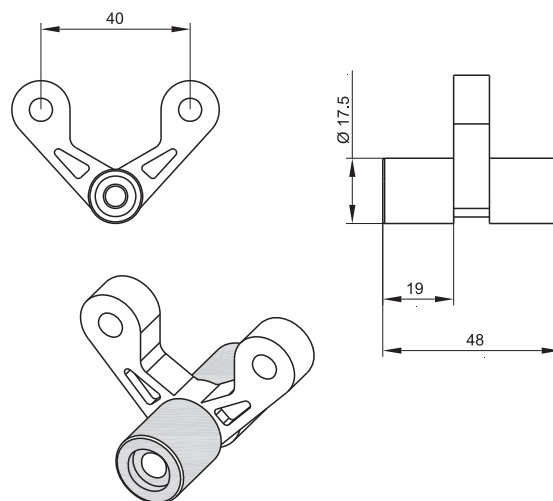
They are used to fasten the belt to the conveyor in all the inflexions.

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.

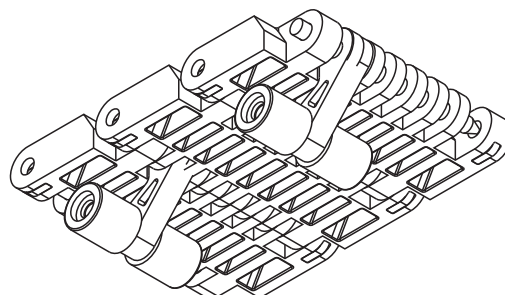
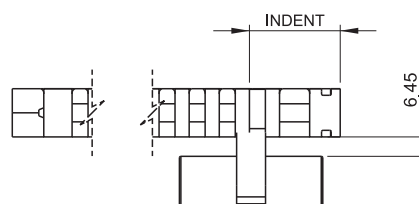
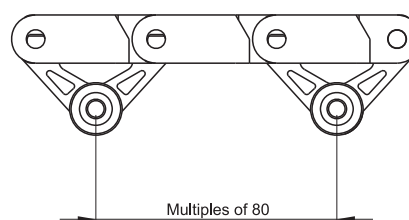
They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

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:

N° of teeth T	Bore Ø
8	40
10	60



### DESIGN DATA



## HOLD-DOWN PROFILES AND WEARSTRIPS



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.

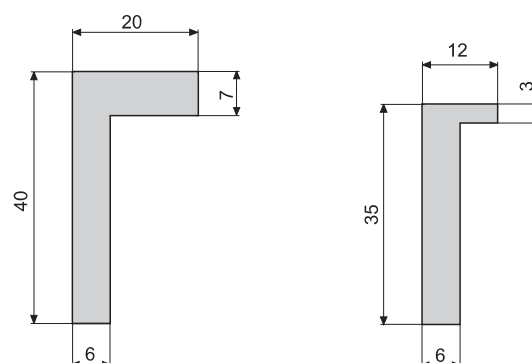
The flat wearstrips are fastened by means of flat-headed plastic screws, which provides a smooth surface free of any possibility of hooking. The dimensions of those screws are: M 6 x 25 mm.

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

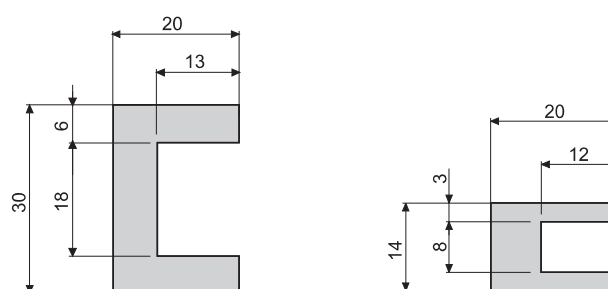
With regard to the wearstrips arrangement, you should choose an appropriate configuration according to the transport requirements.

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

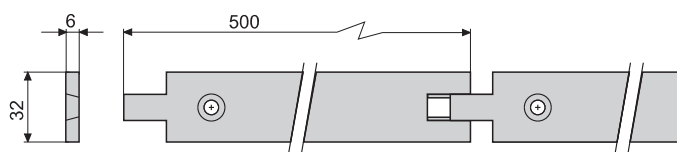
### PROFILES IN L



### PROFILES IN U



### WEARSTRIPS



Accessories	Dimensions	Materials
Profiles in L	40 X 20 X 2,000 35 X 12 X 2,000	Polyethylene
Profiles in U	20 X 30 X 2,000 20 X 14 X 2,000	Polyethylene
Wearstrips	6 x 32 x 500	Polyacetal Polyethylene Conductive polyethylene

## 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
151	450	3	2	2
451	750	5	3	2
751	1,050	7	5	3
1,051	1,350	9	6	4
1,351	1,650	11	7	5
1,651	1,950	13	9	6
1,951	2,250	15	10	7
2,251	2,550	17	11	8
2,551	2,850	19	12	9
2,851	3,150	21	14	10
3,151	3,450	23	15	11
3,451	3,750	25	16	12
3,751	4,050	27	18	13



To calculate the minimum quantity of sprockets required both in the drive shaft and in the idle one, you should divide the belt width (in mm) by 150 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.

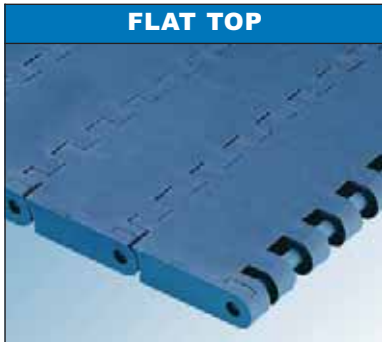
The distance between supports should not exceed 230 mm in the transport way or 300 mm in the return way.





Pitch	50 mm
Drive system	HInge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 mm
Rod diameter	Ø 6 mm

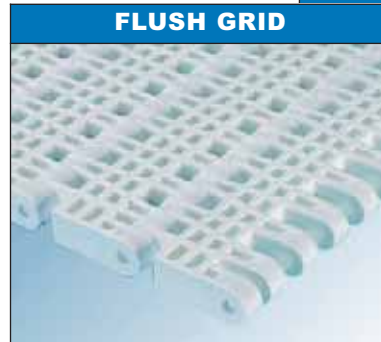
**FLAT TOP**



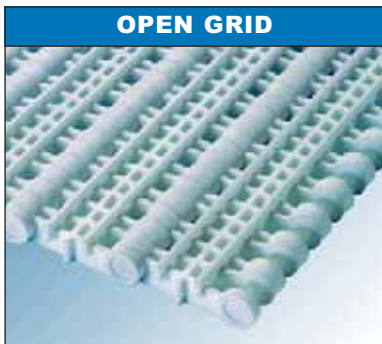
**PERFORATED**



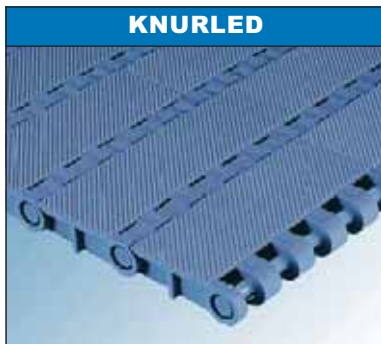
**FLUSH GRID**



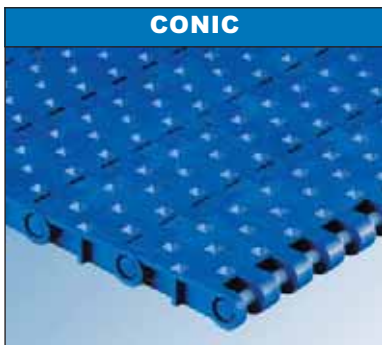
**OPEN GRID**



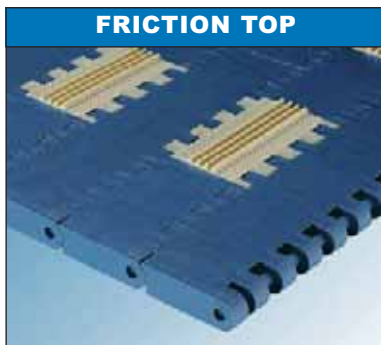
**KNURLED**



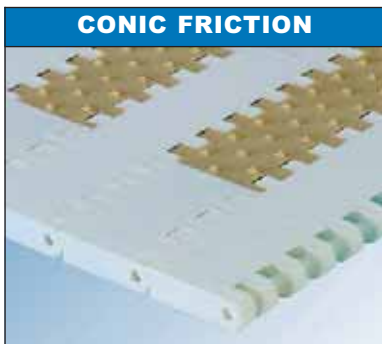
**CONIC**



**FRICTION TOP**



**CONIC FRICTION**



**SLIDING ROLLERS**



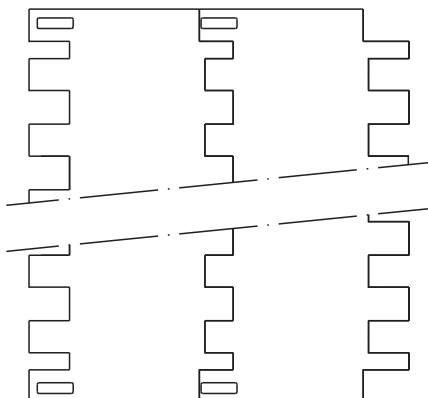
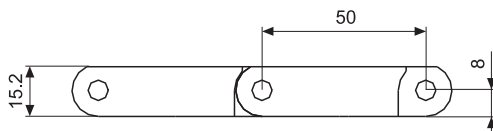
# SERIES 50

**SERIES 50 FLAT TOP**



Pitch	50 mm
Surface	Flat Top
Open area	0%
Thickness	15,2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 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
Polypropylene	Polypropylene	1,800	+1 to +104	7.70	white - grey
Polyethylene	Polyethylene	1,100	-50 to +65	8.04	natural - blue



- Chicken frames elevation
- Swan-necked elevators
- Metal detectors
- Cheese moulds elevation
- Boiling applications



With a closed surface, completely flat and smooth, it avoids damages in the product and the blockage of the lines owing to overturning.

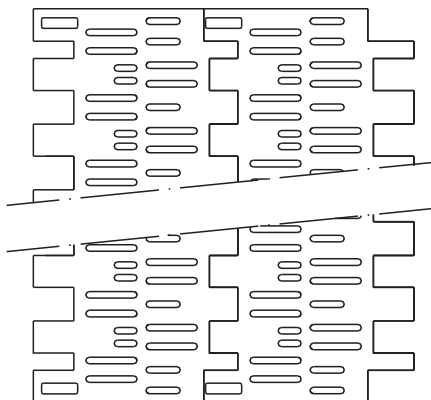
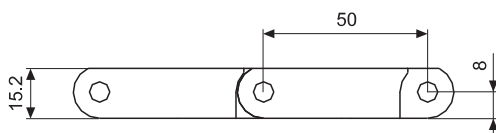
It is the belt most commonly used in elevating conveyors of products in bulk as well as in transport of delicate products.

## SERIES 50 PERFORATED FLAT TOP



Pitch	50 mm
Surface	Perforated Flat Top
Open area	18%
Thickness	15,2 mm
Dimensions of openings	1.8 x 6 - 2 x 9 - 2 x 15 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 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
Polypropylene	Polypropylene	1,800	+1 to +104	7.35	white - grey
Polyethylene	Polyethylene	1,100	-50 to +65	7.67	natural -blue



With an 18% open area, it has a completely flat grille-shaped surface, with small straight openings that have no structural obstacles.

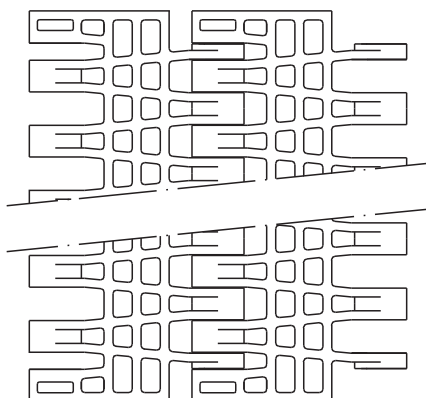
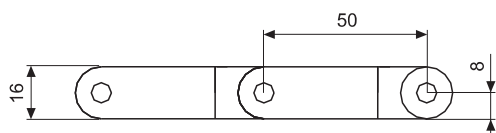
- Disinfection, scalding and canning lines
- Residues filters
- Macerating and mixing applications
- Transport lines in flooded pools
- Boiling applications

**SERIES 50 FLUSH GRID**



Pitch	50 mm
Surface	Flush Grid
Open area	40%
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 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
Polypropylene	Polypropylene	2,400	+1 to +104	7.30	white - grey
Polyethylene	Polyethylene	1,500	-50 to +65	7.60	natural - blue



It has a grille-shaped configuration, with a 40% open area and a completely smooth surface.

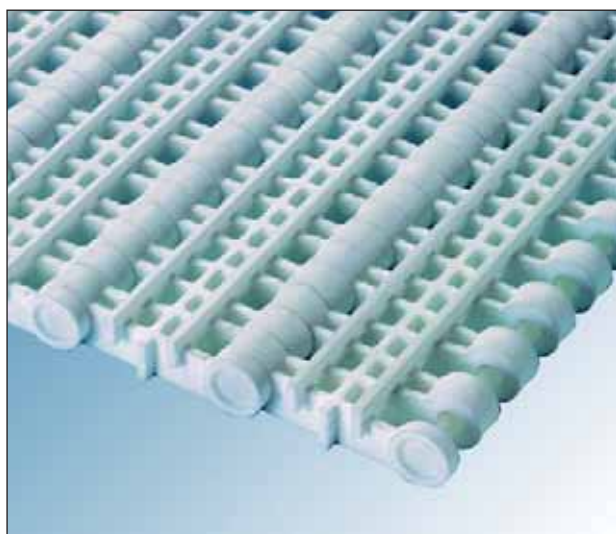
It is ideal for applications in which there are a lot of wastes left by the transported product, as their removal is very easy by means of air or water under pressure.

It is specially recommended for cooling and / or freezing tunnels.

- Degreasing applications
- Boiling applications
- Washers
- Vacuum machines
- Hydrocooling
- Cheese presses
- Drying ovens

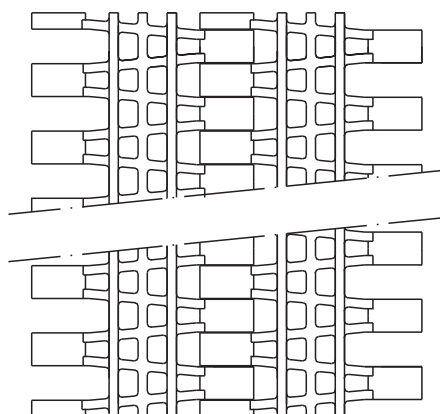
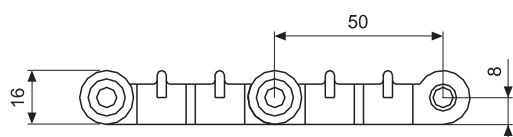


## SERIES 50 OPEN GRID



Pitch	50 mm
Surface	Open Grid
Open area	40%
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 mm
Rod diameter	Ø 6 mm
Retention system	Stopper

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Polypropylene	Polypropylene	1,800	+1 to +104	6.60	white - grey
Polyethylene	Polyethylene	1,100	-50 to +65	6.89	natural - blue

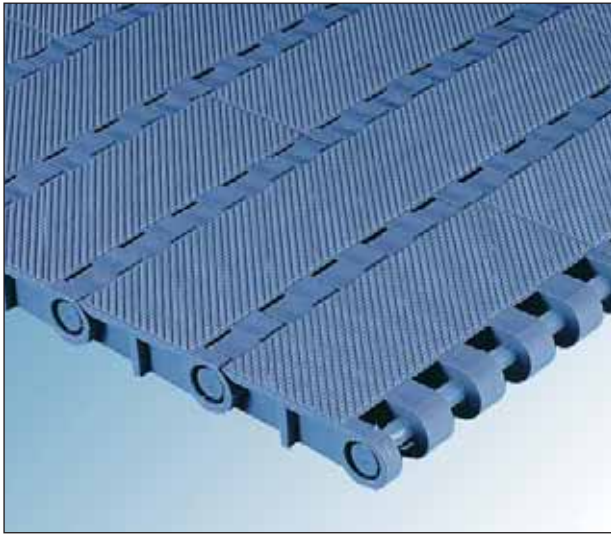


- Liquid injection machines
- Elevation to acid towers
- Defreezing applications
- Icing of frozen products
- Freezing tunnels



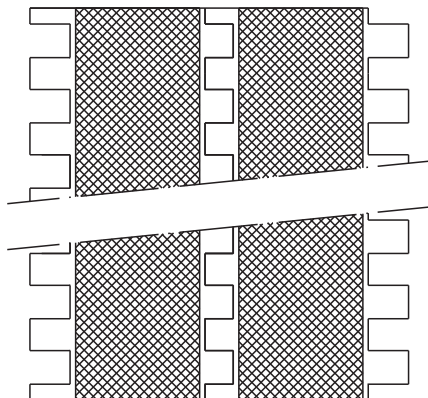
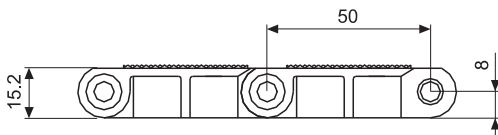
With a pitch of 50 mm, a grille-shaped configuration, and a 40% open area, it is suitable for applications needing a drainage through the belt.

The Open Grid style has an exclusive design with two central elevations across the modules in order to achieve that the product do not adhere to the belt.

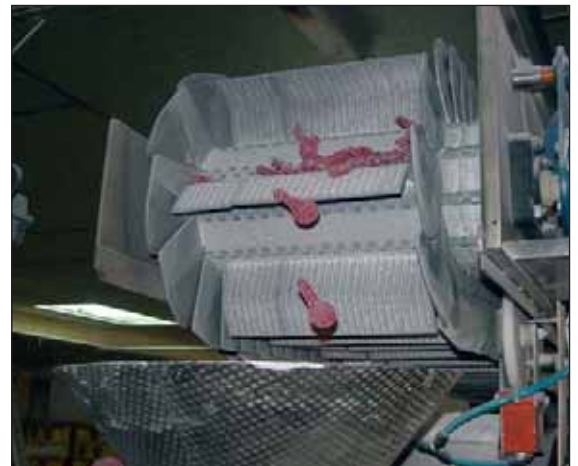
**SERIES 50 KNURLED**


Pitch	50 mm
Surface	Knurled
Open area	0%
Thickness	15,2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 mm
Rod diameter	Ø 6 mm
Retention system	Stopper

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Polypropylene	Polypropylene	1,800	+1 to +104	7.30	white - grey
Polyacetal	Polypropylene	2,500	+1 to +90	10.50	blue



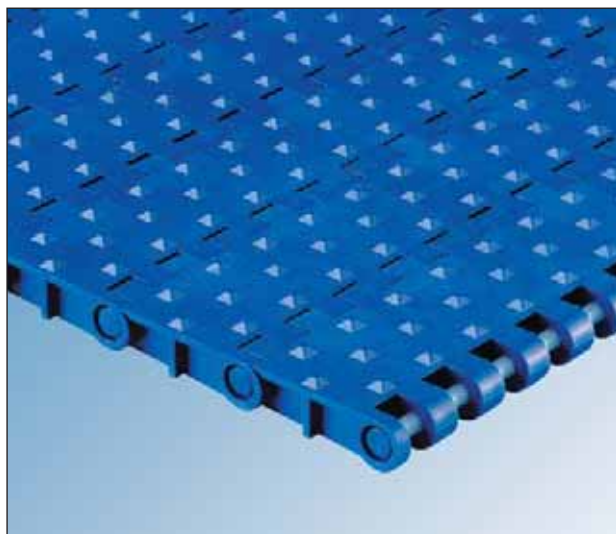
- Non-slip conveyors
- Elevators
- Transport of people
- Transport of cars



It has a 50 mm pitch and a flat-corrugated surface that has been designed to prevent the product from adhering to the belt.

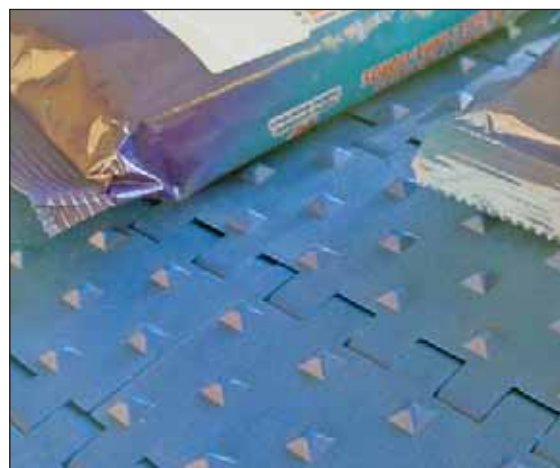
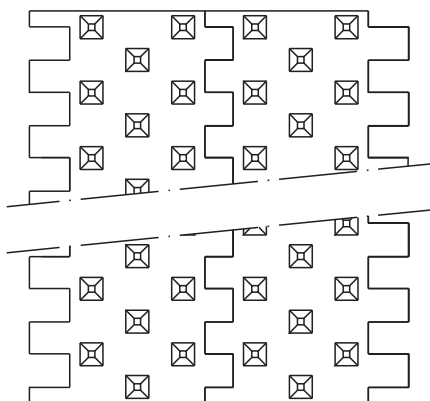
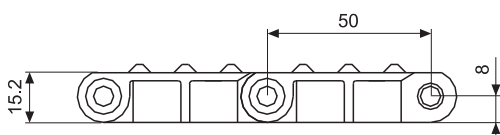
Thanks to this corrugated surface, it can be used in conveyors slightly inclined as well, preventing the product from slipping.

## SERIES 50 CONIC



Pitch	50 mm
Surface	Conic
Open area	0%
Thickness	15,2 mm
Drive system	Hinge
Belt width	Multiples of 20 mm
Widths with one module	Up to 200 mm
Advised minimum width	40 mm
Rod diameter	Ø 6 mm
Retention system	Stopper

Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Polypropylene	Polypropylene	1,800	+1 to +104	7.70	white - grey
Polyethylene	Polyethylene	1,100	-50 to +65	8.04	natural
Polyacetal	Polypropylene	2,500	+1 to +90	10.80	blue

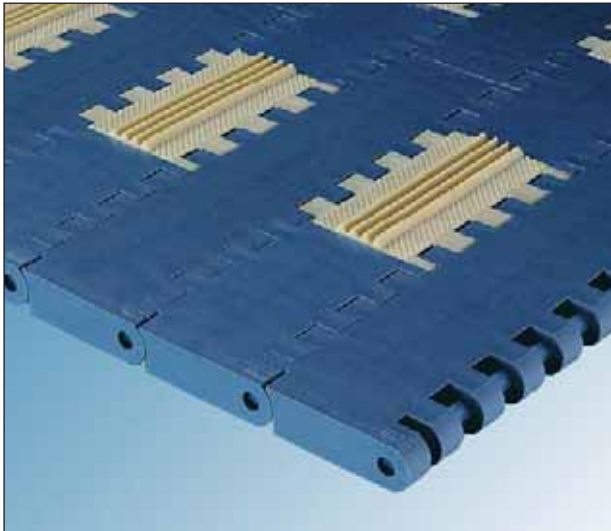


It has a smooth surface with small elevations of pyramidal shape, that achieve a higher coefficient of friction.

These small pyramidal elevations prevent slippery products from changing their position during the transport.

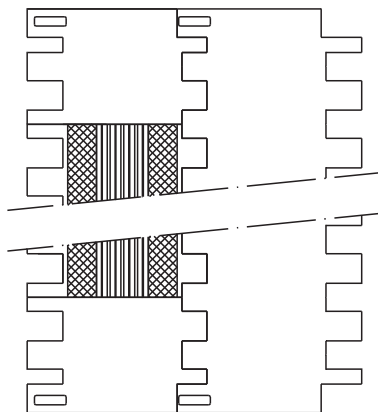
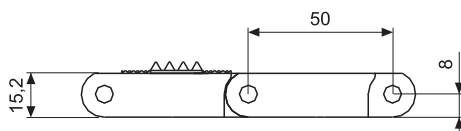
- Non-slip conveyors
- Elevators
- Freezing lines
- Conveyors of bones

**SERIES 50 FRICTION TOP**



Pitch	50 mm
Surface	Friction Top
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flat Top	Polypropylene	Polypropylene	1,800	+1 to +103	white - grey
Flat Top	Polyethylene	Polyethylene	1,100	-40 to +65	natural - blue
Flush Grid	Polypropylene	Polypropylene	2,400	+1 to +103	white - grey
Flush Grid	Polyethylene	Polyethylene	1,500	-40 to +65	natural - blue



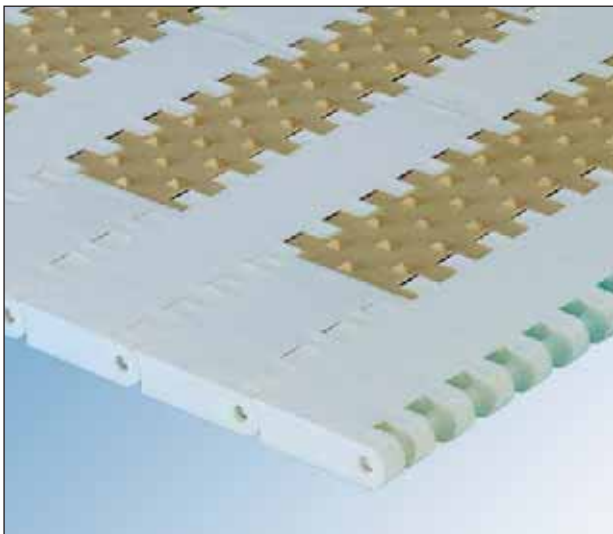
With a pitch of 50 mm, it enables to carry out elevating and / or descending conveyors with maximum inclinations. The modules, made of thermoplastic rubber, are inserted among the rest of modules of the belt.

It is ideal for the manipulation in the final stage of the packing lines.



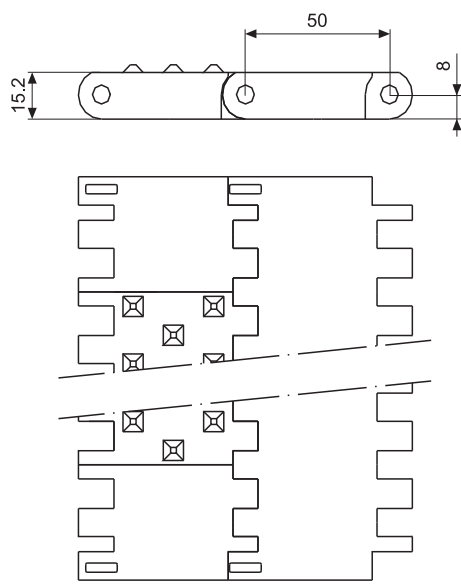


SERIES 50 CONIC FRICTION



Pitch	50 mm
Surface	Conic Friction
Drive system	Hinge
Belt width	Multiples of 20 mm
Rod diameter	Ø 6 mm
Retention system	Cap

Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flat Top	Polypropylene	Polypropylene	1,800	+1 to +103	white - grey
Flat Top	Polyethylene	Polyethylene	1,100	-40 to +65	natural - blue
Flush Grid	Polypropylene	Polypropylene	2,400	+1 to +103	white - grey
Flush Grid	Polyethylene	Polyethylene	1,500	-40 to +65	natural - blue



It has a smooth surface with small elevations of pyramidal shape, that achieve a higher coefficient of friction.

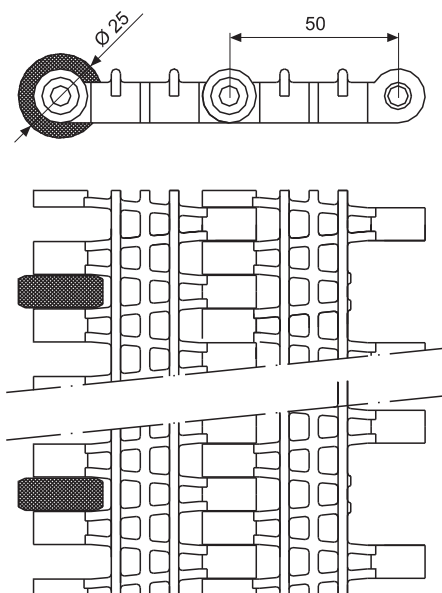
Their modules, made of thermoplastic rubber, are inserted among the rest of modules of the belt in order to achieve good mechanical characteristics of friction in the applications that require it.

## SERIES 50 SLIDING ROLLERS



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

Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flush Grid	Polypropylene	Polypropylene	1,800	+1 to +90	white - grey
Flush Grid	Polyethylene	Polyethylene	1,100	-40 to +65	natural - blue
Open Grid	Polypropylene	Polypropylene	2,400	+1 to +90	white - grey
Open Grid	Polyethylene	Polyethylene	1,500	-40 to +65	natural - blue



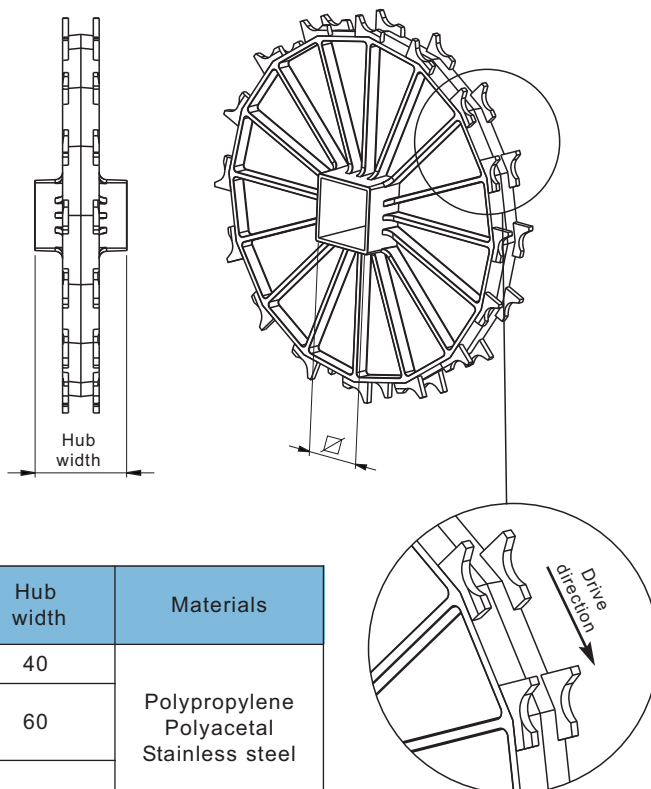
The small rollers inserted on its surface, that revolve whenever there is accumulation, avoid crushing and damages in the base of the product.

It has been designed mainly to solve problems of transport of boxes, containers, etc.





## SPROCKETS



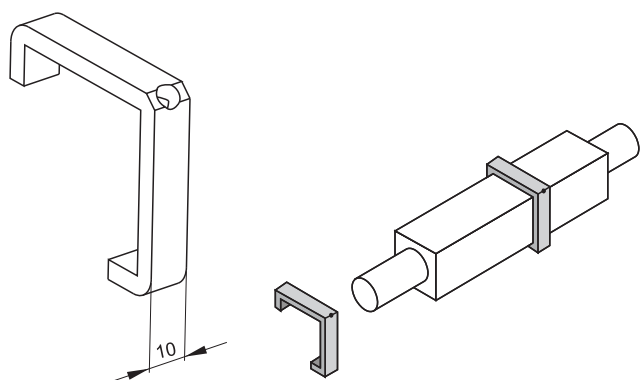
N° of teeth T	Pitch Ø	Bore $\nabla$		Hub width	Materials
		mm	inch		
6	100	40	-	40	Polypropylene Polyacetal Stainless steel
10	161.8	40 60	-	60	
16	256.2	40 60	-	60	

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.



## RETAINING RINGS



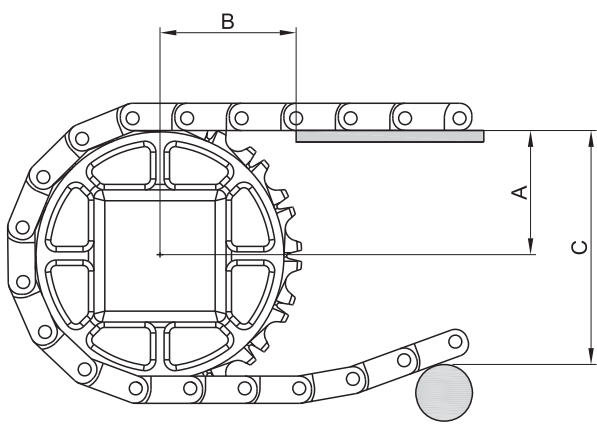
The fastening of the central sprocket is made through retaining rings manufactured in AISI-316 stainless steel. Their design allows an easy installation without dismantling or grooving the shaft. They are fastened through a screw that remains perfectly fixed in the ring.

Bore $\nabla$	Screws
40	M 6 x 6
60	M 6 x 6





DESIGN DATA

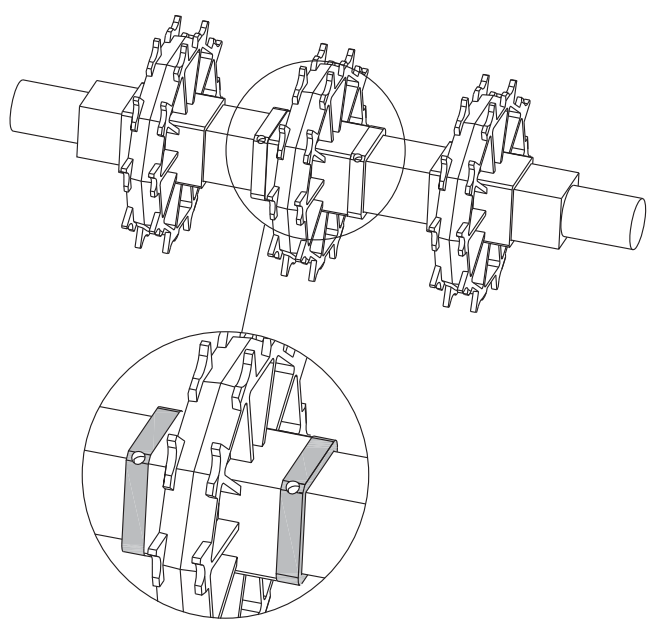


In the building of conveyors, the distances appearing in the table should be respected depending on the sprocket size:

Pitch Ø	A	B max.	C max.
100	42	55	105
161.8	72	76	165
256.2	120	80	260

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.

INSTALLATION



You must put 1 sprocket in the middle fastened with 2 retaining rings. Then you should put the same quantity of sprockets, without any fastening, at each side of that central sprocket. You should proceed the same way in both shafts.

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:

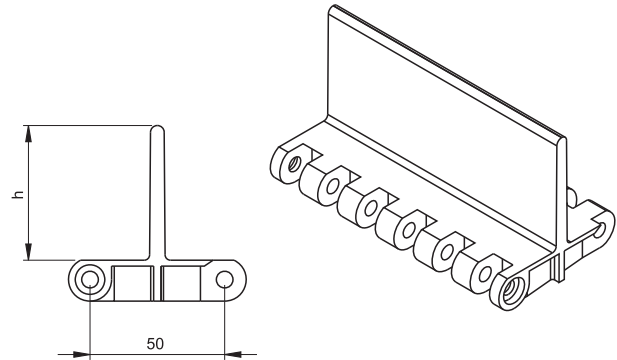
Minimum quantity: 
$$\frac{\text{Belt width (mm)}}{150 \text{ mm}}$$

This quantity must always be odd.

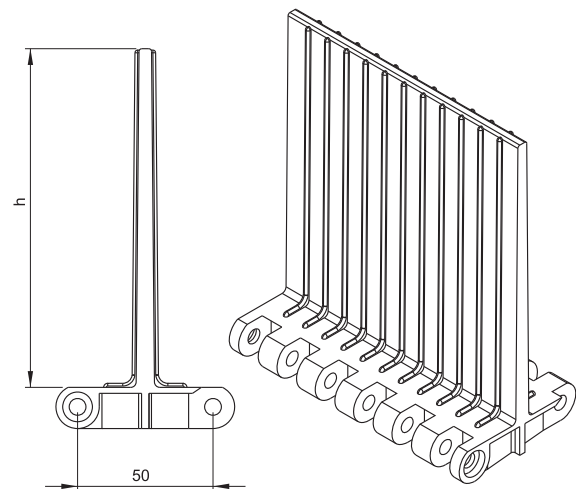
## FLIGHTS AND SIDE GUARDS



### 90° RIGHT FLIGHT - STREAMLINE -



### 90° RIGHT FLIGHT - NO CLING -



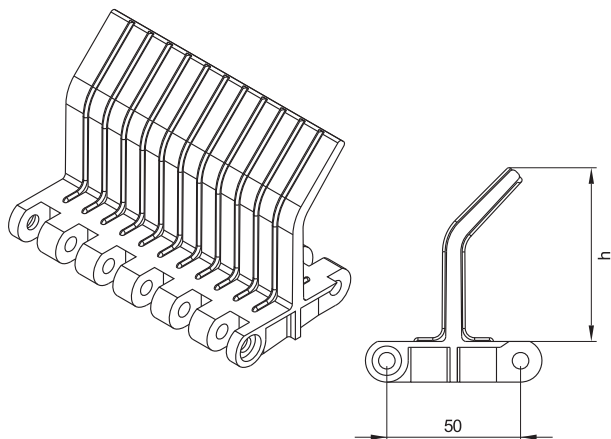
Accessories		h	Materials
90° right flight	Streamline	25 50 75	Polypropylene Polyethylene
90° right flight	No cling	25 50 75 100 125 150	Polypropylene Polyethylene
Bent flight		on request	Polypropylene Polyethylene
Ribbed flight		75	Polypropylene Polyethylene
Side guards		50 75 100	Polypropylene Polyethylene

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.

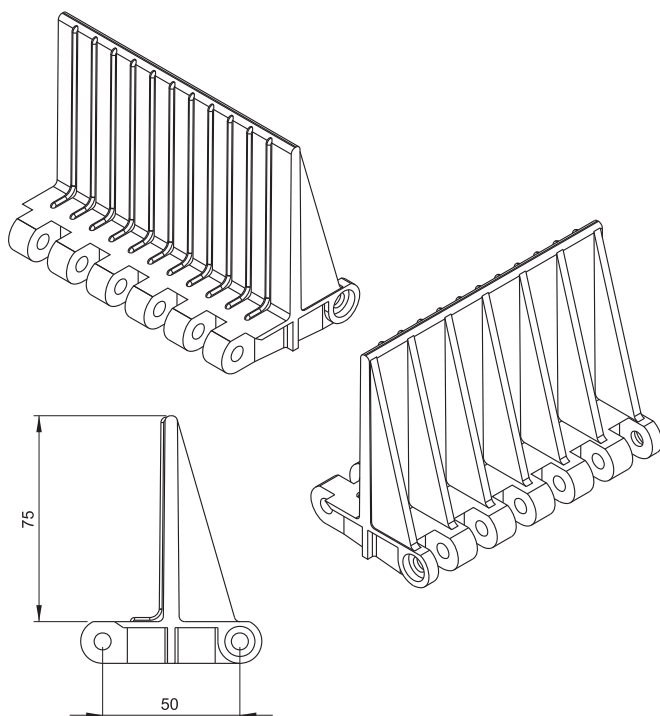
The side guards are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

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

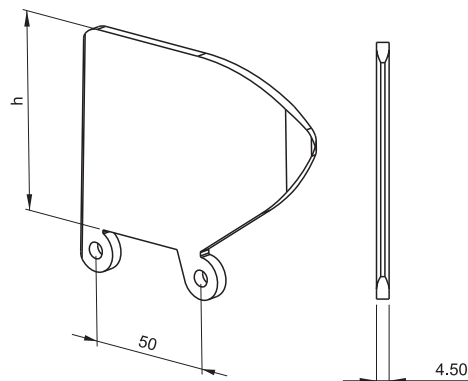
### BENT FLIGHT



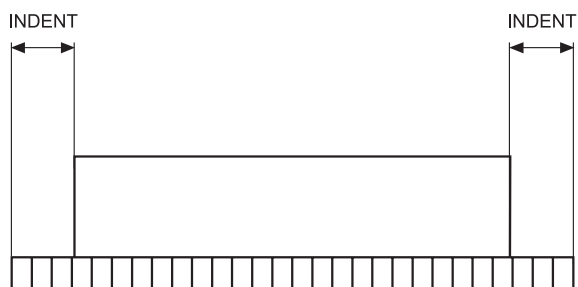
## RIBBED FLIGHT



## SIDE GUARDS



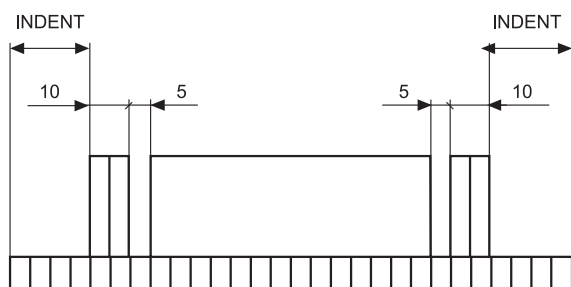
## BELT ONLY WITH FLIGHTS



The distance between the side edges of the belt and the flights (indent) must be a multiple of 20 mm.

The pitch of flights in Series 50 should be a multiple of 100 mm.

## BELT WITH FLIGHTS AND SIDE GUARDS



If the belt has both Flights and Side Guards, the minimum distance between them will be 5 mm, being the indent a multiple of 10 mm + 5.

## HOLD-DOWN ROLLERS

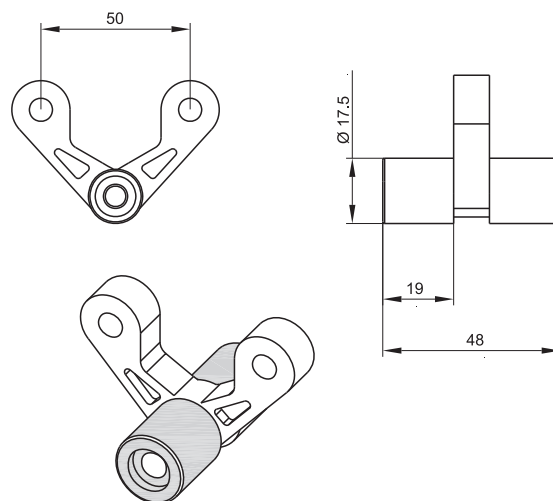


They are used to fasten the belt to the conveyor in all the inflexions. In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation. They will roll along rails fastened throughout the conveyor structure. It is recommended to place wearstrips to avoid the wear owing to rolling as far as possible.

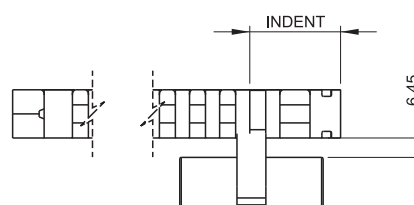
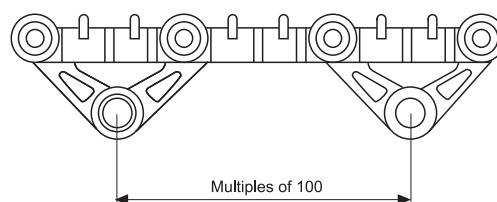
The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of 10 mm.

Hold-down rollers cannot be used with the following sprocket:

Nº of teeth T	Bore Ø
6	40



### DESIGN DATA





## HOLD-DOWN PROFILES AND WEARSTRIPS



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.

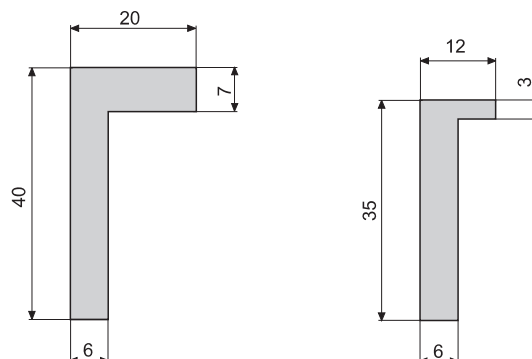
The flat wearstrips are fastened by means of flat-headed plastic screws, which provides a smooth surface free of any possibility of hooking. The dimensions of those screws are: M 6 x 25 mm.

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

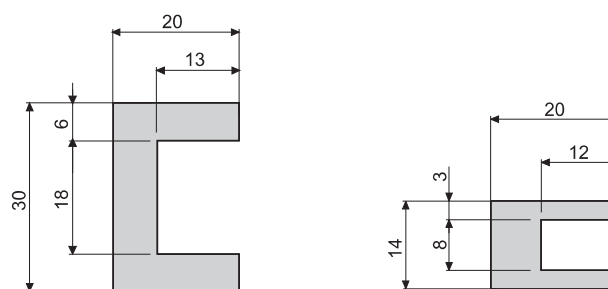
With regard to the wearstrips arrangement, you should choose an appropriate configuration according to the transport requirements.

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

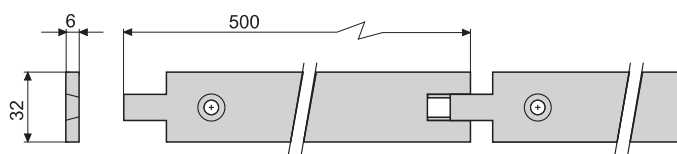
### PROFILES IN L



### PROFILES IN U



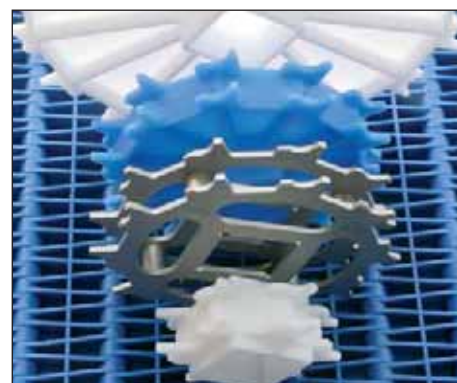
### WEARSTRIPS



Accessories	Dimensions	Materials
Profiles in L	40 X 20 X 2,000 35 X 12 X 2,000	Polyethylene
Profiles in U	20 X 30 X 2,000 20 X 14 X 2,000	Polyethylene
Wearstrips	6 x 32 x 500	Polyacetal Polyethylene Conductive polyethylene

**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
151	450	3	2	2
451	750	5	3	2
751	1,050	7	5	3
1,051	1,350	9	6	4
1,351	1,650	11	7	5
1,651	1,950	13	9	6
1,951	2,250	15	10	7
2,251	2,550	17	11	8
2,551	2,850	19	12	9
2,851	3,150	21	14	10
3,151	3,450	23	15	11
3,451	3,750	25	16	12
3,751	4,050	27	18	13



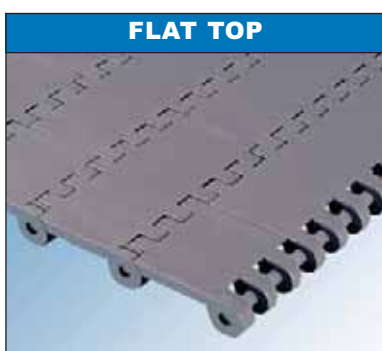
To calculate the minimum quantity of sprockets required both in the drive shaft and in the idle one, you should divide the belt width (in mm) by 150 mm.

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.

Pitch	50 mm
Drive system	Hinge
Belt width	Multiples of 16 mm
Advised minimum width	144 mm
Rod diameter	Ø 6 mm



**FLAT TOP**



**PERFORATED**

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

The advanced design of EUROBELT S-80, with smooth and impermeable working and return surfaces, makes much easier the cleaning, providing optimum sanitary conditions and reducing considerably the cleaning costs.

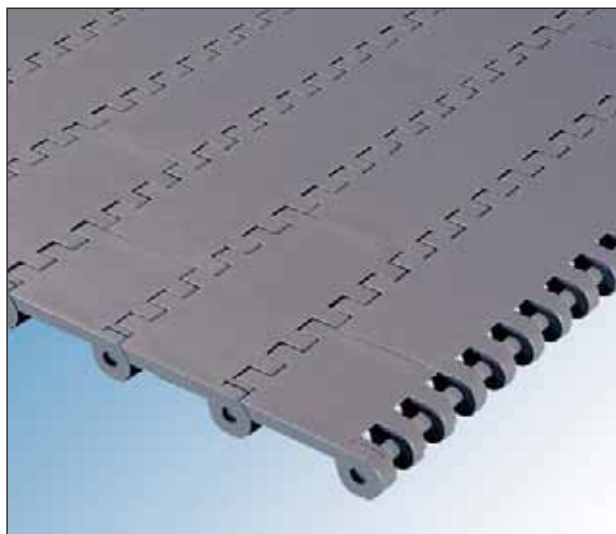
The hinge structure opens as the belt rotates making possible a better cleaning which enables to transport products with liquid residues, like meat applications.

The exclusive sprockets of EUROBELT S-80 are open, with rounded edges and without any corner on their toothed crown, which enables to have access to all their surface, achieving a complete cleaning. The drive system is carried out directly on the hinge, obtaining a direct traction, more positive and effective.



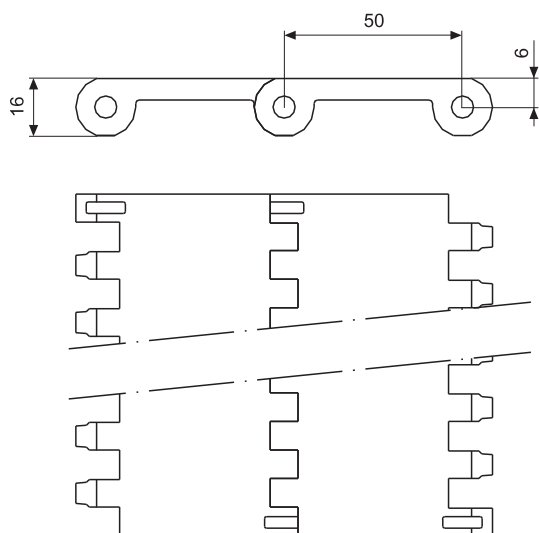
# SERIES 80

## SERIES 80 FLAT TOP



Pitch	50 mm
Surface	Flat Top
Open area	0%
Thickness	16 mm
Drive system	Hinge
Belt width	Multiples of 16 mm
Advised minimum width	144 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
Polypropylene	Polypropylene	1,045	+1 to +104	6.73	white - grey - blue
Polyethylene	Polyethylene	475	-50 to +65	6.93	natural
Polyacetal	Polypropylene	1,700	+1 to +90	10.12	white - natural - blue
Polyacetal	Polyethylene	1,500	-40 to +65	10.16	white - natural - blue



It has a 50 mm pitch with smooth lower and upper areas, without holes or cavities. It has been designed to achieve an easy and quick cleaning in applications with products leaving liquid residues.

It is ideal for the food industry in general and for the meat industry in particular, as knives, punches, hooks and other sharp tools can be used on the belt.

- Cut and quartering lines
- Reception hoppers
- Vertical elevators
- Selection tables
- Swan-necked elevators

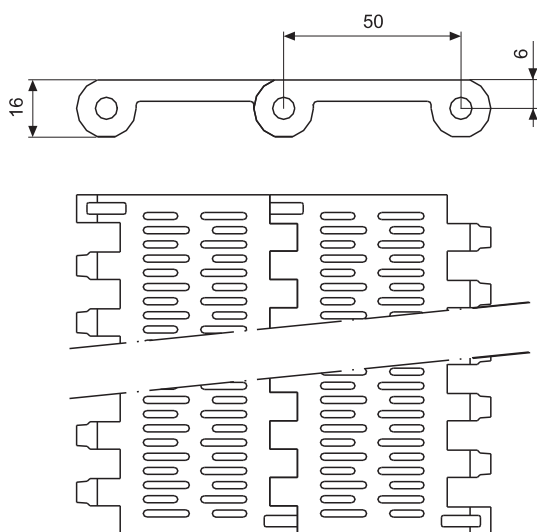


## SERIES 80 PERFORATED FLAT TOP



Pitch	50 mm
Surface	Perforated Flat Top
Open area	24 %
Thickness	16 mm
Dimensions of openings	2 x 10 - 2 x 13 mm
Drive system	Hinge
Belt width	Multiples of 16 mm
Advised minimum width	144 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
Polypropylene	Polypropylene	1,045	+1 to +104	5.40	white - grey
Polyethylene	Polyethylene	475	-50 to +65	5.62	natural
Polyacetal	Polypropylene	1,700	+1 to +90	8.15	white - natural - blue
Polyacetal	Polyethylene	1,500	-40 to +65	8.19	white - natural - blue

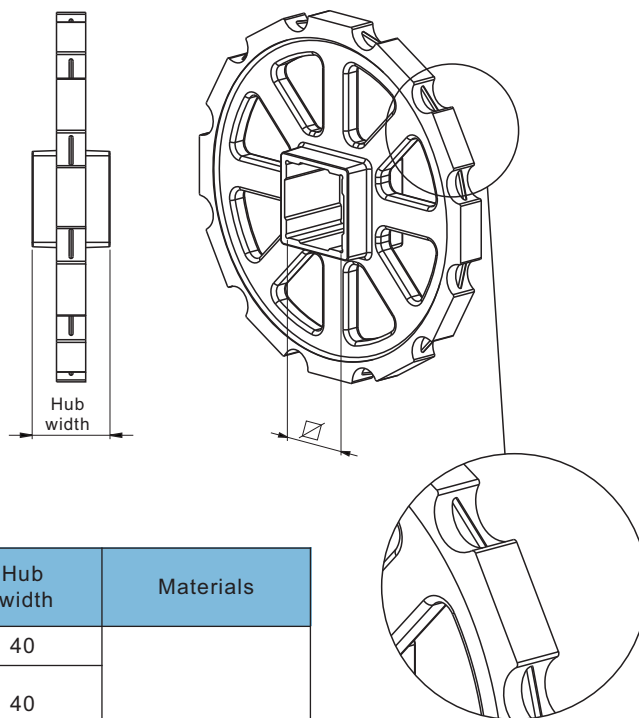
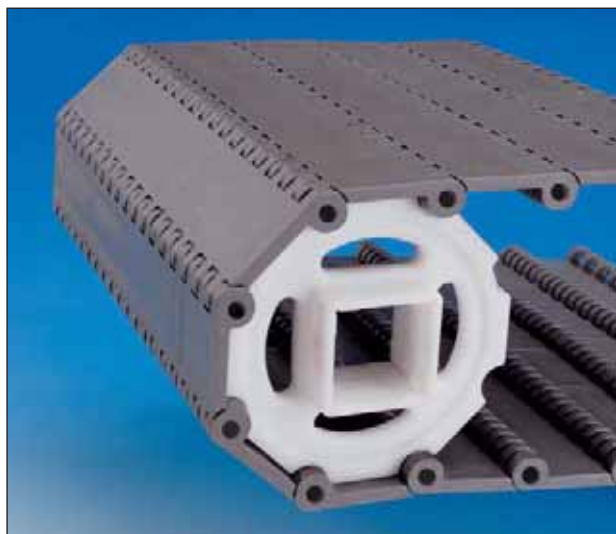


With a 24% open area, it has a completely flat grille-shaped surface, with small straight openings, that have no structural obstacles, of which the dimensions are: 2 x 10 / 2 x 13 (mm).

You can put water jets in the turns of the belt to achieve good sanitary conditions.

- Boiling applications
- Residues filters
- Brine pools
- Macerating and mixing applications

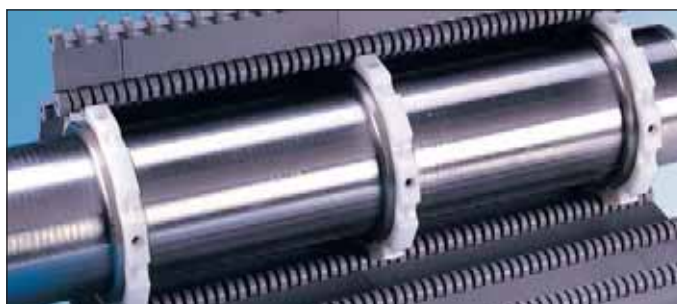
## SPROCKETS



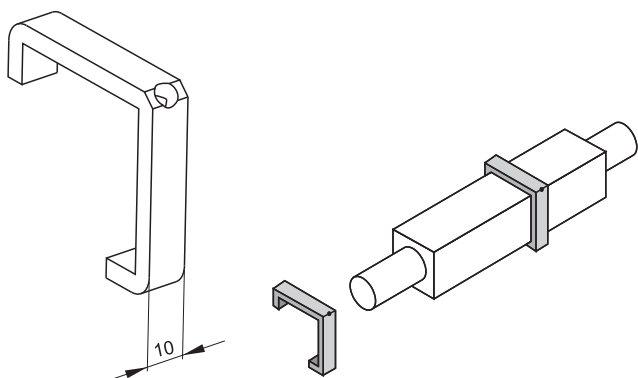
N° of teeth T	Pitch Ø	Bore $\nabla$		Hub width	Materials
		mm	inch		
8	130.6	40	1.5"	40	Polypropylene Polyacetal Stainless steel
10	161.8	40 60	1.5"	40	
12	193.2	40 60	1.5"	40	
16	256.3	40 60 90	1.5"	40	

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.



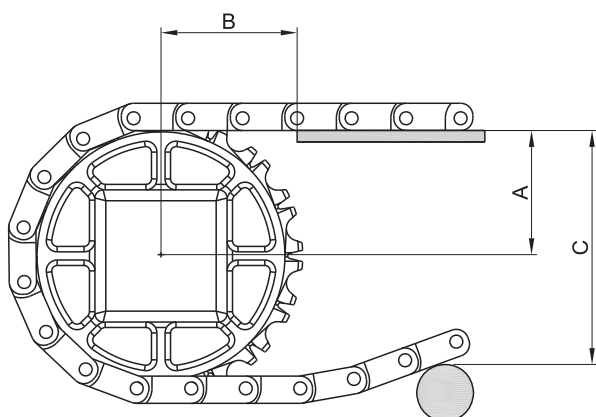
## RETAINING RINGS



The fastening of the central sprocket is made through retaining rings manufactured in AISI-316 stainless steel. Their design allows an easy installation without dismatling or grooving the shaft. They are fastened through a screw that remains perfectly fixed in the ring.

Bore $\nabla$	Screws
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6

## DESIGN DATA

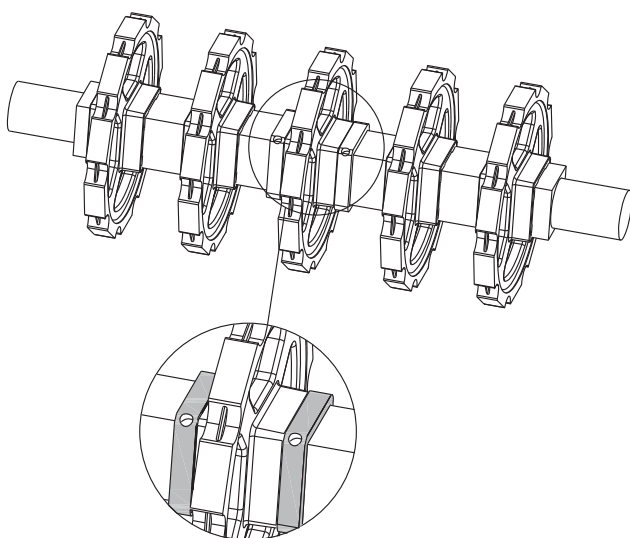


In the building of conveyors, the distances appearing in the table should be respected depending on the sprocket size:

Pitch Ø	A	B max.	C max.
130.6	58	60	135
161.8	72	76	165
193.2	89	78	200
256.3	120	80	260

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.

## INSTALLATION



You must put 1 sprocket in the middle fastened with 2 retaining rings. Then you should put the same quantity of sprockets, without any fastening, at each side of that central sprocket. You should proceed the same way in both shafts.

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 quantity must always be odd.

## FLIGHTS AND SIDE GUARDS



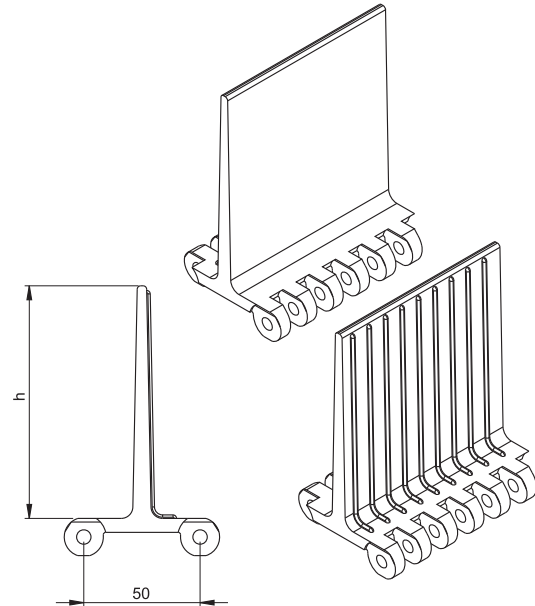
Accessories	h	Materials
90° right flight	25 50 75 100 150	Polypropylene Polyethylene Polyacetal
Bent flight	on request	Polypropylene Polyethylene
Scoop flight	150	Polypropylene Polyethylene Polyacetal
Side guards	50 75 100	Polypropylene Polyethylene Polyacetal

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.

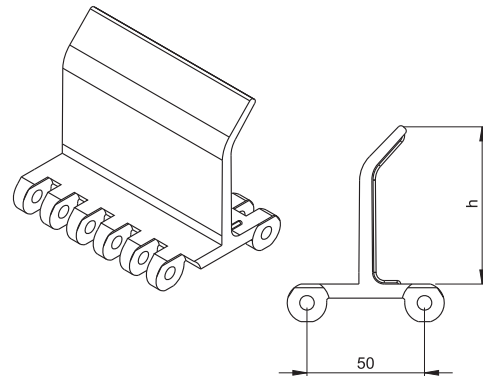
The side guards are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

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

### 90° RIGHT FLIGHT

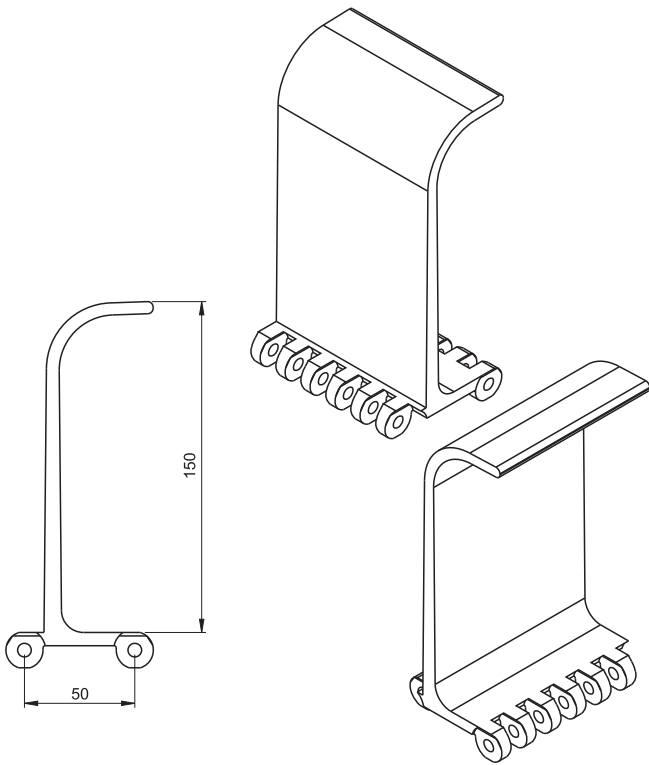


### BENT FLIGHT

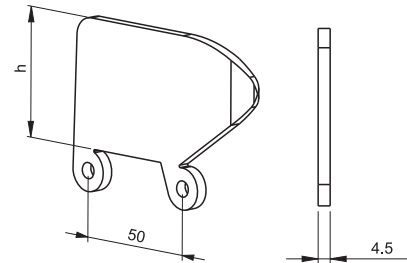




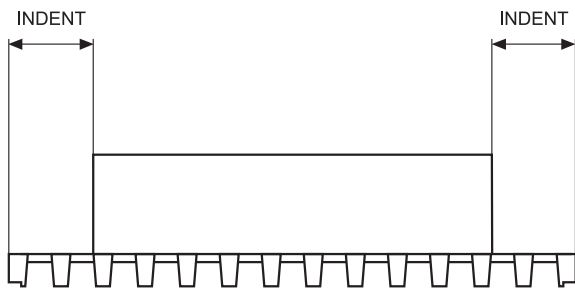
## SCOOP FLIGHT



## SIDE GUARDS



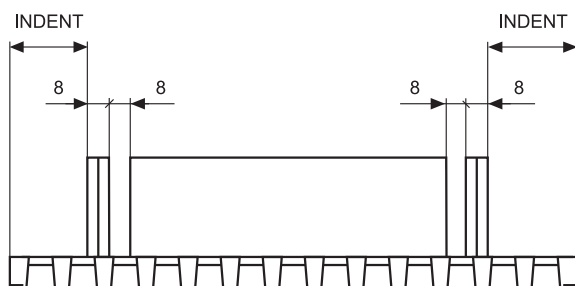
## BELT ONLY WITH FLIGHTS



The distance between the side edges of the belt and the flights (indent) must be a multiple of 16 mm, being 32 mm the minimum.

The pitch of flights in Series 80 has to be a multiple of 100 mm.

## BELT WITH FLIGHTS AND SIDE GUARDS



If the belt has both Flights and Side Guards, the minimum distance between them will be 8 mm, being the indent a multiple of 16 mm (minimum indent to be 32 mm).

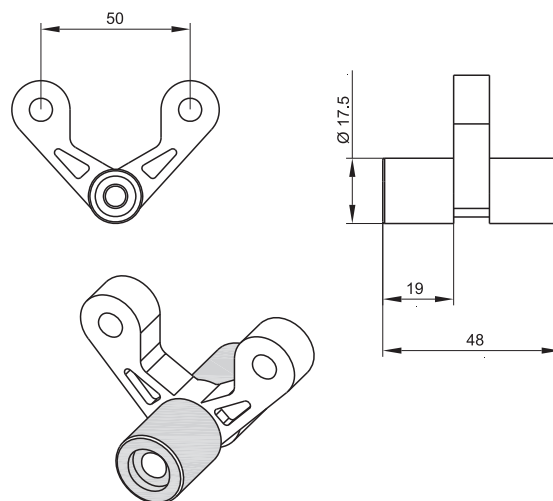
## HOLD-DOWN ROLLERS



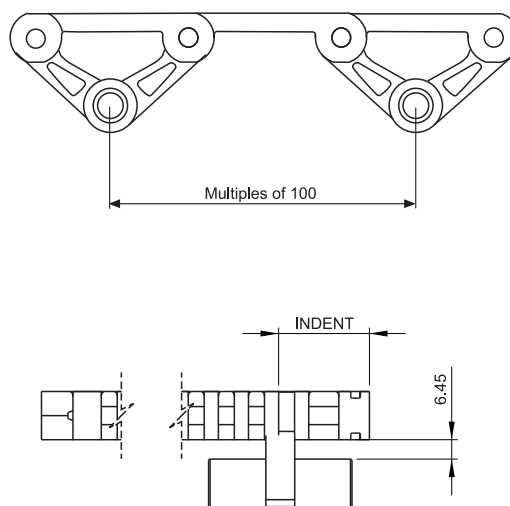
They are used to fasten the belt to the conveyor in all the inflexions. In applications in which the belt must be submerged, they are placed in the middle of the belt to prevent it from getting bent due to the flotation.

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.

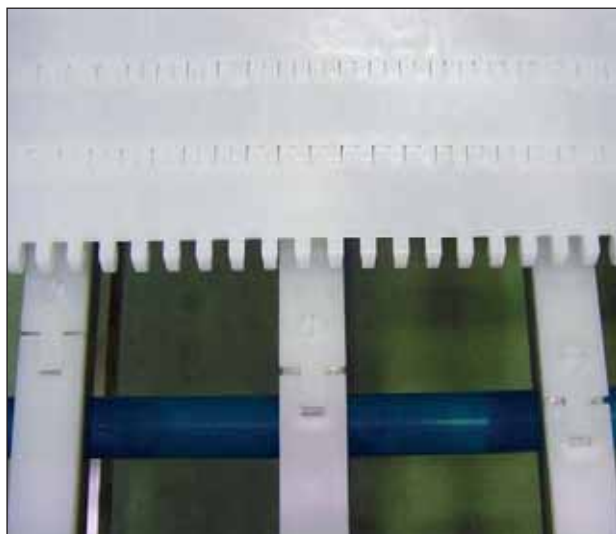
The distance between the side edge of the belt and the centre of the hold-down roller (indent) must be a multiple of  $8 \text{ mm} + 4$ . Hold-down rollers can be used with any sprocket in Series 80.



### DESIGN DATA



## HOLD DOWN PROFILES AND WEARSTRIPS



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.

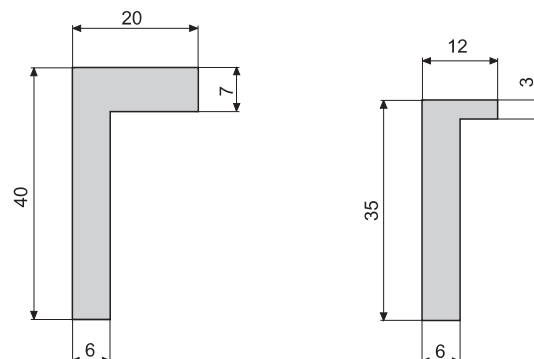
The flat wearstrips are fastened by means of flat-headed plastic screws, which provides a smooth surface free of any possibility of hooking. The dimensions of those screws are: M 6 x 25 mm.

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

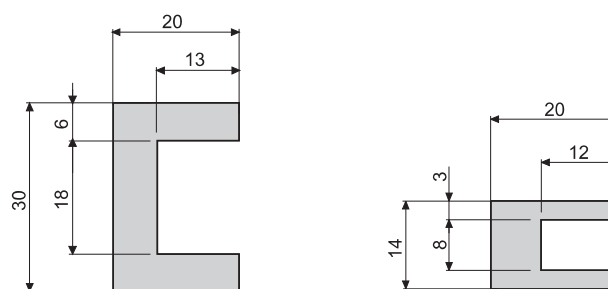
With regard to the wearstrips arrangement, you should choose an appropriate configuration according to the transport requirements.

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

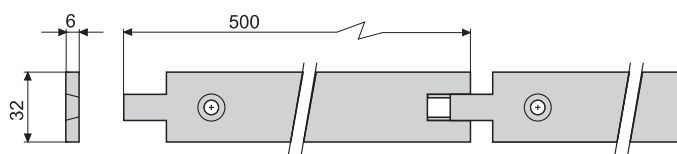
### PROFILES IN L



### PROFILES IN U



### WEARSTRIPS



Accessories	Dimensions	Materials
Profiles in L	40 X 20 X 2,000 35 X 12 X 2,000	Polyethylene
Profiles in U	20 X 30 X 2,000 20 X 14 X 2,000	Polyethylene
Wearstrips	6 x 32 x 500	Polyacetal Polyethylene Conductive polyethylene

**TABLE OF SPROCKETS AND WEARSTRIPS**

Belt nominal width (mm)		Minimum quantity of sprockets per shaft	Minimum quantity of wearstrips	
			Transport way	Return way
80	150	1	2	2
151	450	3	2	2
451	750	5	3	2
751	1.050	7	5	3
1,051	1,350	9	6	4
1,351	1,650	11	7	5
1,651	1,950	13	9	6
1,951	2,250	15	10	7
2,251	2,550	17	11	8
2,551	2,850	19	12	9
2,851	3,150	21	14	10
3,151	3,450	23	15	11
3,451	3,750	25	16	12
3,751	4,050	27	18	13



To calculate the minimum quantity of sprockets required both in the drive shaft and in the idle one, you should divide the belt width (in mm) by 150 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.