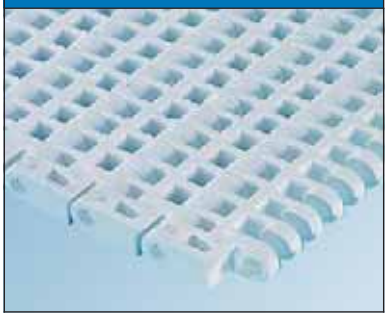
Pitch	20 mm
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 mm
Rod diameter	Ø 4.6 mm

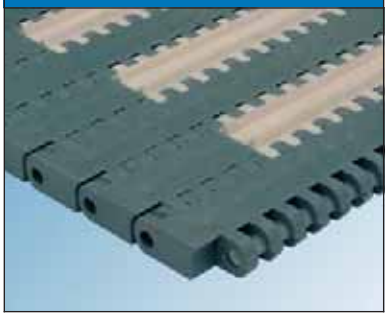
FLAT TOP

FLUSH GRID



RAISED RIB

FRICTION TOP



SLIDING ROLLERS

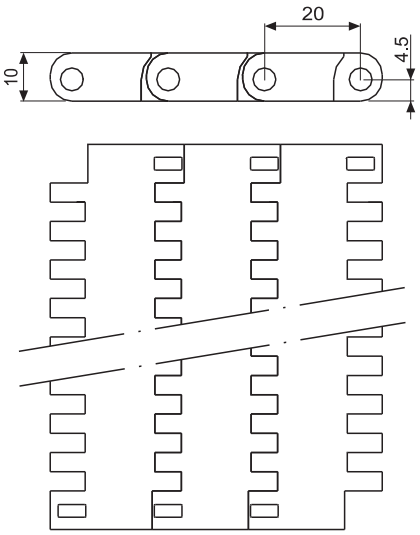
TRIAN

SERIES 20

SERIES 20 FLAT TOP

Pitch	20 mm
Surface	Flat Top
Open area	0%
Thickness	10 mm
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 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
Polypropylene	Polypropylene	1,000	+1 to +104	5.75	white - grey
Polyethylene	Polyethylene	500	-50 to +65	5.85	natural
Polyacetal	Polypropylene	2,150	+1 to +90	8.31	blue

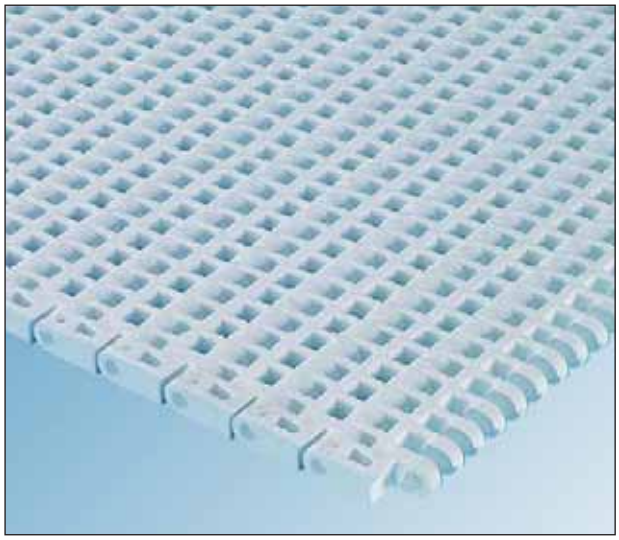


- Metal detectors
- Reject by weight control
- Magnetic elevators
- Plastic film wrapping
- Accumulation tables

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

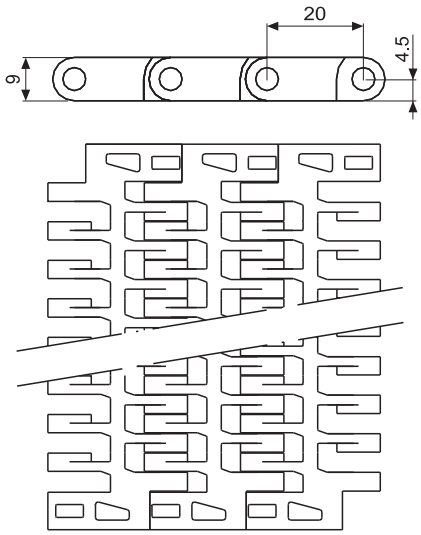
Its completely flat surface avoids the falls of product and the resulting blockage of the line.

SERIES 20 FLUSH GRID



Pitch	20 mm
Surface	Flush Grid
Open area	32%
Thickness	9 mm
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 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
Polypropylene	Polypropylene	1,000	+1 to +104	4.20	white - grey
Polyethylene	Polyethylene	500	-50 to +65	4.57	natural
Polyacetal	Polypropylene	2,150	+1 to +90	6.32	blue



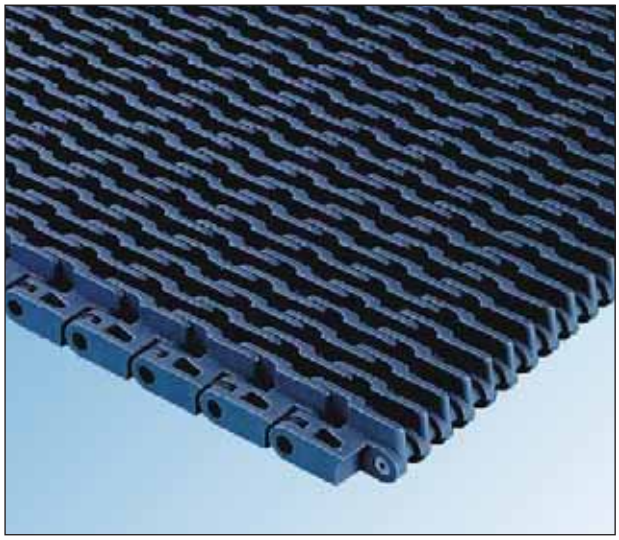
It has a grille-shaped configuration, with a 32% of open area and a surface completely smooth.

It is ideal for applications in which a drainage through the belt is needed, avoiding any accumulation of particles on its surface.

It implies an easier cleaning due to the possibility of applying water under pressure through the belt.

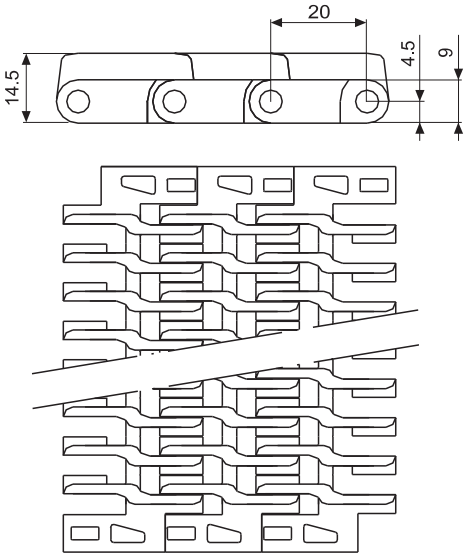
- Metal detectors
- Drying tunnels
- Selection tables
- Casing
- Sewage filter
- Loaders of tunnel ovens

SERIES 20 RAISED RIB



Pitch	20 mm
Surface	Raised Rib
Open area	32%
Thickness	15 mm
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 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
Polypropylene	Polypropylene	1,000	+1 to +104	6.05	grey
Polyacetal	Polypropylene	2,150	+1 to +90	9.25	blue

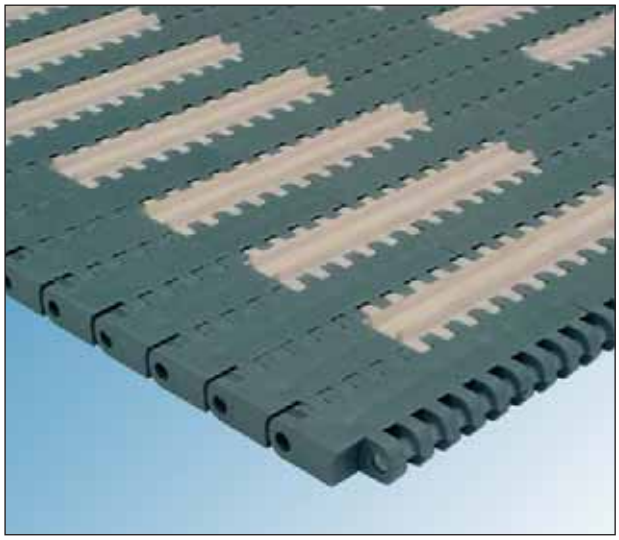


It has been designed to make transferences of product by using finger plates.

With a grille-shaped configuration, and a 32% of open area, it is suitable for applications needing a drainage through the belt and/or a smaller surface of contact with the product.

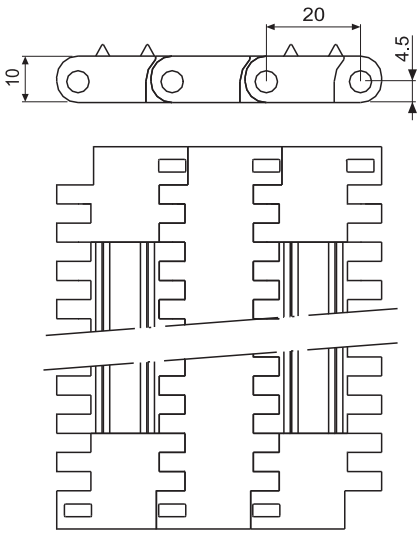
- Metal detectors
- Casing
- Sewage filter
- Accumulation tables
- Cooling lines

SERIES 20 FRICTION TOP



Pitch	20 mm
Surface	Friction Top
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 mm
Rod diameter	Ø 4.6 mm
Retention system	Cap

Surface of the belt	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flat Top	Polypropylene	Polypropylene	1,000	+1 to +103	white - grey
Flat Top	Polyethylene	Polyethylene	500	-40 to +65	natural
Flat Top	Polyacetal	Polypropylene	2,150	+1 to +90	blue
Flush Grid	Polypropylene	Polypropylene	1,000	+1 to +103	white - grey
Flush Grid	Polyethylene	Polyethylene	500	-40 to +65	natural
Flush Grid	Polyacetal	Polypropylene	2,150	+1 to +90	blue

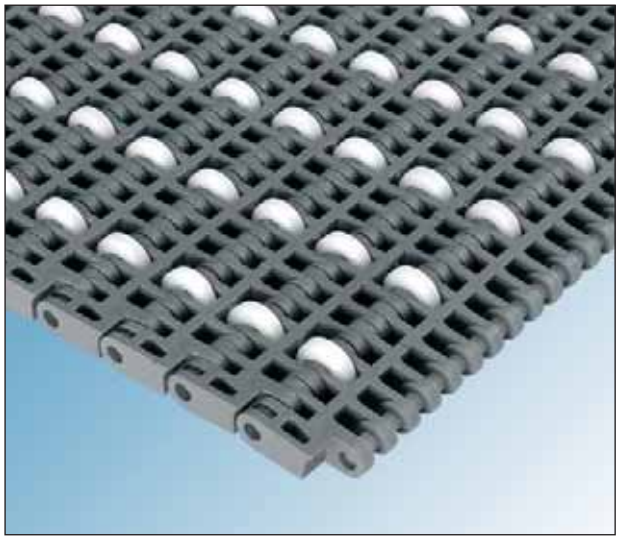


- Non-slip conveyors
- Aerial transport and distribution of boxes
- Elevators

Belt with modules manufactured in a special thermo-rubber, with unbeatable characteristics of friction that enables to do elevating and/or descending conveyors with maximum inclinations.

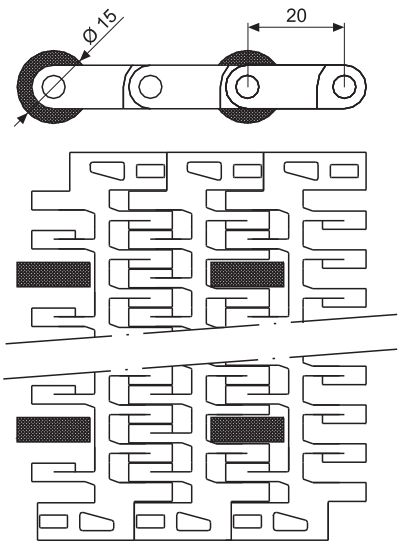
Hardness SHORE A 64.

SERIES 20 SLIDING ROLLERS



Pitch	20 mm
Surface	Sliding Rollers
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 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

Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flush Grid	Polypropylene	Polypropylene	1,000	+1 to +90	white - grey
Flush Grid	Polyethylene	Polyethylene	500	-40 to +65	natural
Flush Grid	Polyacetal	Polypropylene	2,150	+1 to +90	blue



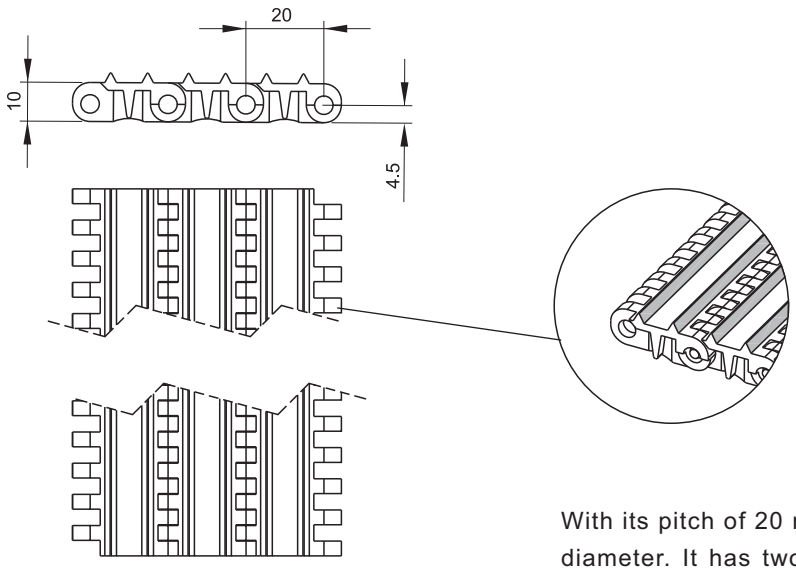
The small rollers inserted on its surface, that revolve whenever there is accumulation, avoid crushing and damages in the base of the product.

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

SERIES 20 TRIAN

Pitch	20 mm
Surface	Trian
Drive system	Central
Belt width	Multiples of 8 mm
Advised minimum width	120 mm
Rod diameter	Ø 4.6 mm

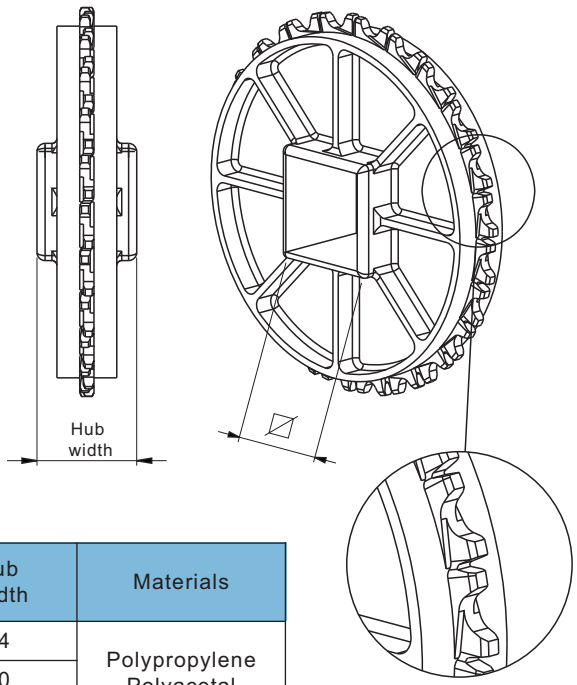
Surface	Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Available colours in stock
Flat Top	Polyethylene	Polyethylene	500	-50 to +65	natural
Flush Grid	Polyethylene	Polyethylene	500	-50 to +65	natural



With its pitch of 20 mm, we can make transferences of small diameter. It has two transversal edges from side to side of the belt in order to prevent the product from sticking to the belt.

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

SPROCKETS

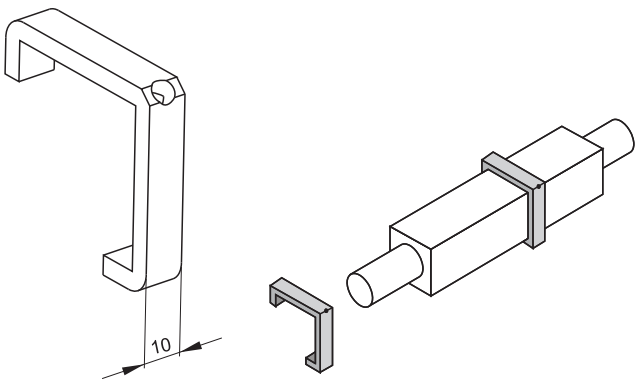


N° of teeth T	Pitch Ø	Bore ⍁		Hub width	Materials
		mm	inch		
8	52.5	20	-	24	Polypropylene Polyacetal Stainless steel
16	102.5	40	-	40	
24	153.5	40 60	-	40	

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.

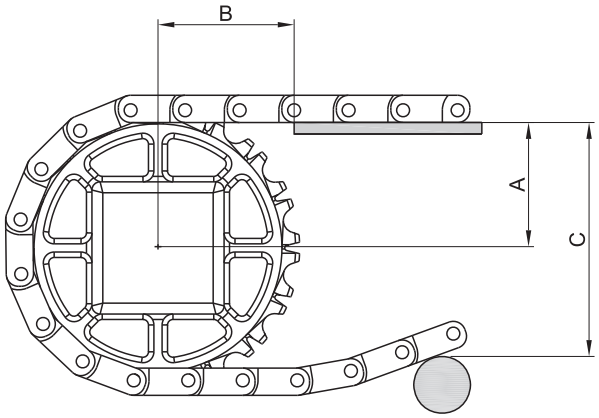
RETAINING RINGS



The fastening of the central sprocket is made 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.

Bore ⍁	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6

DESIGN DATA

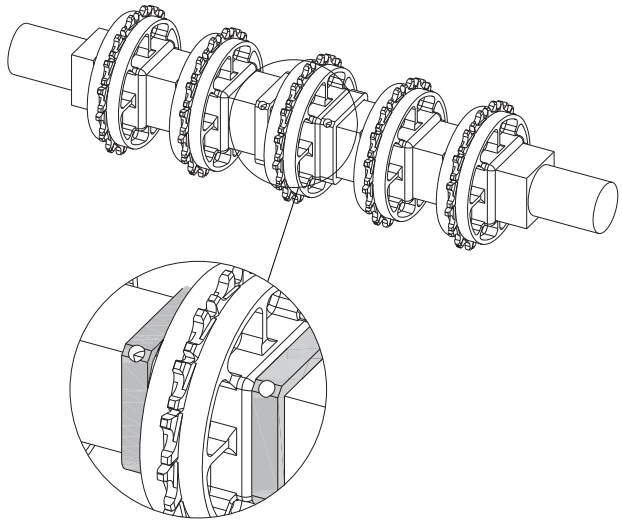


When building conveyors you should respect the distances appearing in the table depending on the sprocket size:

Pitch Ø	A	B max.	C max.
52.5	20	28	65
102.5	46	50	110
153.5	72	65	155

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:

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

This quantity must always be odd.

FLIGHTS AND SIDE GUARDS

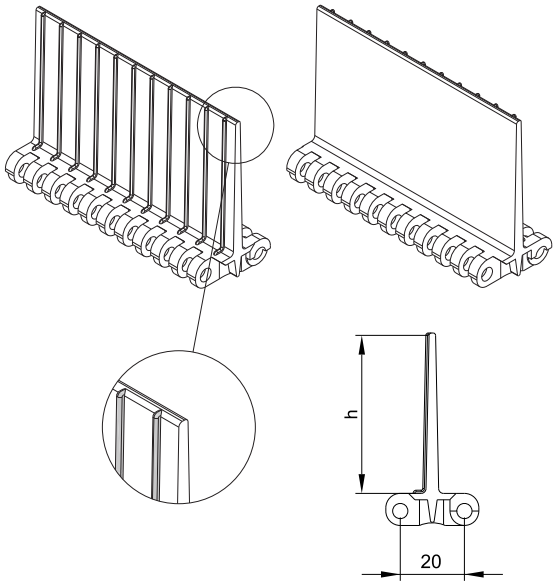
Accessories	h	Materials
90° right flight	25 50	Polypropylene Polyethylene Polyacetal
Side guards	50	Polypropylene Polyethylene Polyacetal

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.

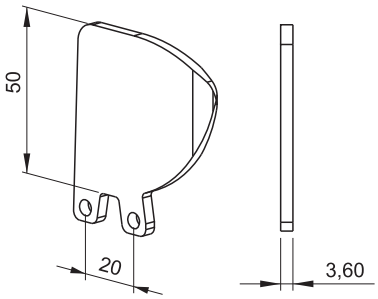
The side guards are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

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

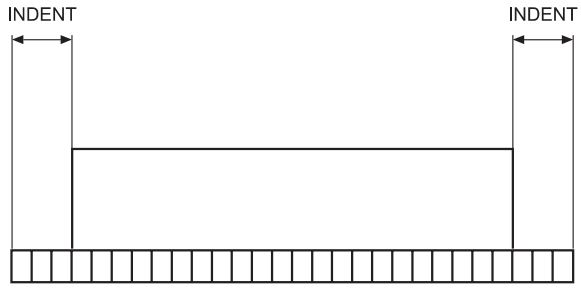
90° RIGHT FLIGHT



SIDE GUARDS



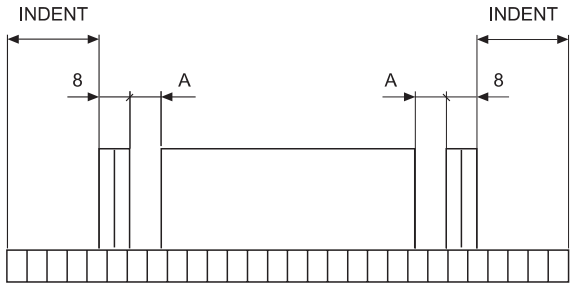
BELT ONLY WITH FLIGHTS



The distance between the side edges of the belt and the flights (indent) must be a multiple of 8 mm, being 16 mm the minimum.

The pitch of flights in Series 20 has to be a multiple of 40 mm.

BELT WITH FLIGHTS AND SIDE GUARDS

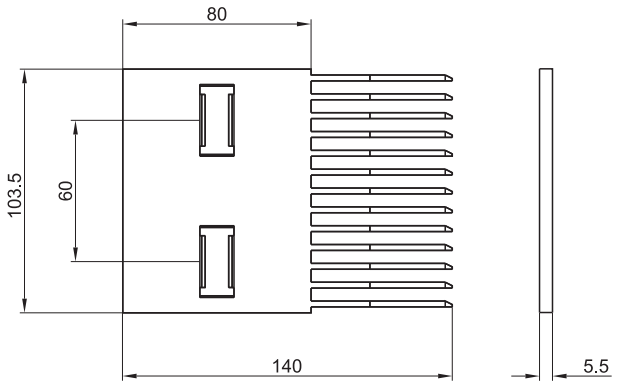


If the belt has both Flights and Side Guards, the minimum distance between them (A) will be:

- 8 mm if the indent is a multiple of 8 (minimum indent to be 16 mm)

- 4 mm if the indent is a multiple of 8 mm + 4 (minimum indent to be 20 mm)

FINGER PLATES



Materials	Colours	Nº of teeth	Nº of holes	Screw dimension
Nylon	Black	13	2	6 x 19
Polyacetal	Grey			

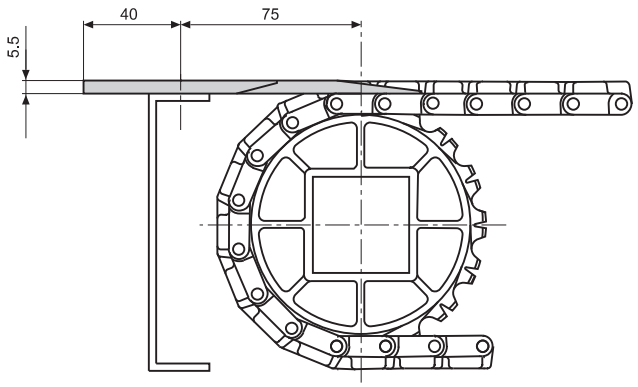
They have been designed to be used with the Raised Rib belt in applications of intersection of lines in which it is necessary to transfer the product by means of finger plates.

The finger plates are manufactured in nylon and have 13 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.

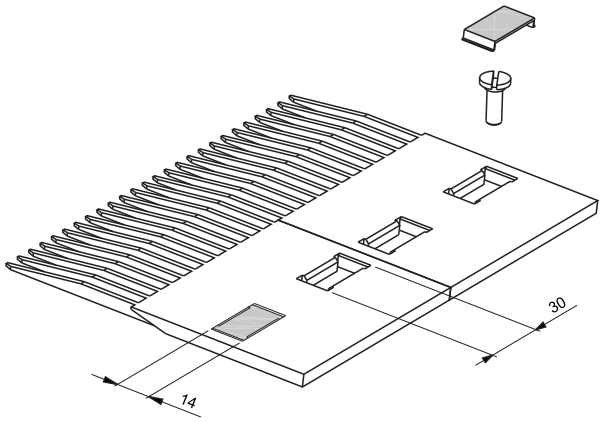
They have two fastening holes that enable little displacements to achieve a better coupling with the belt. Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

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.

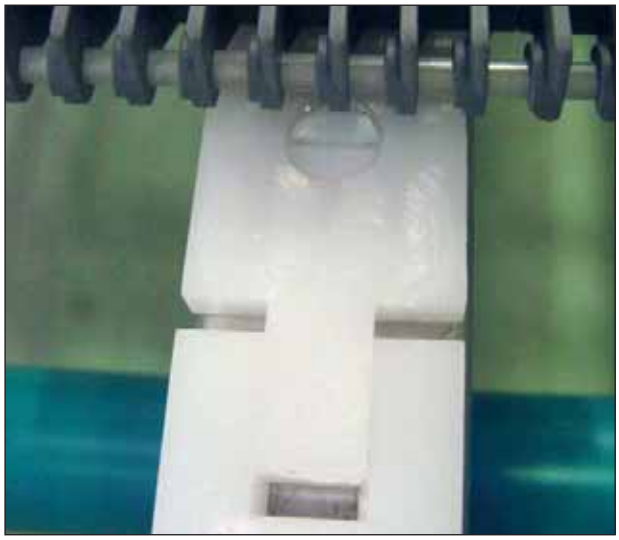
DESIGN DATA



INSTALLATION



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.

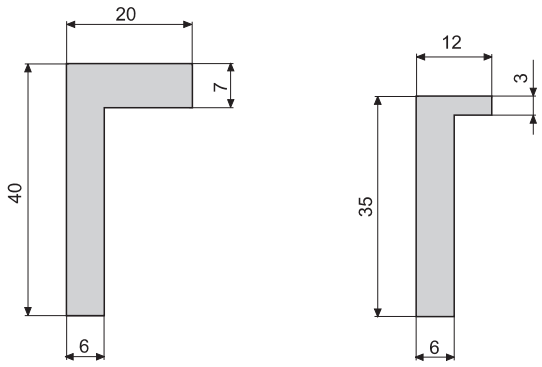
The flat wearstrips are fastened by means of flat-headed plastic screws, which contributes to obtain a smooth surface free of any possibility of hooking. The dimensions of those screws are: M 6 x 25 mm.

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

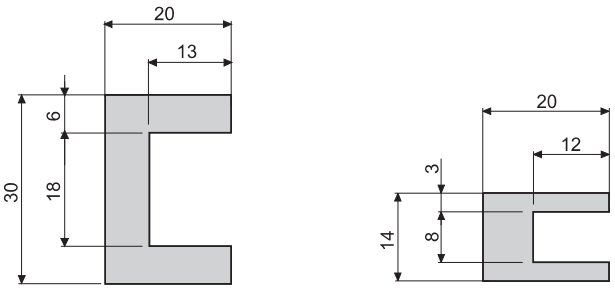
With regard to the wearstrips arrangement, you should choose an appropriate configuration according to the transport requirements.

The distance between supports should not exceed 180 mm in the transport way or 200 mm in the return way.

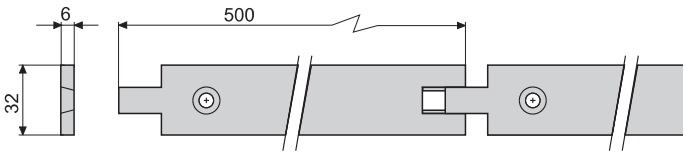
PROFILES IN L



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
32	100	1	2	2
101	210	3	2	2
211	350	5	4	2
351	490	7	6	3
491	630	9	8	4
631	770	11	10	4
771	910	13	12	5
911	1,050	15	14	6
1,051	1,190	17	16	7
1,191	1,330	19	18	7
1,331	1,470	21	20	8
1,471	1,610	23	22	9
1,611	1,750	25	24	10
1,751	1,890	27	26	11
1,891	2,030	29	28	11
2,031	2,170	31	30	12
2,171	2,310	33	32	13
2,311	2,450	35	34	14
2,451	2,590	37	36	14
2,591	2,730	39	38	15
2,731	2,870	41	40	16
2,871	3,010	43	42	17
3,011	3,150	45	44	18
3,151	3,290	47	46	18
3,291	3,430	49	48	19
3,431	3,570	51	50	20
3,571	3,710	53	52	21
3,711	3,850	55	54	21
3,851	3,990	57	56	22

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 70 mm.

This amount must always be odd.

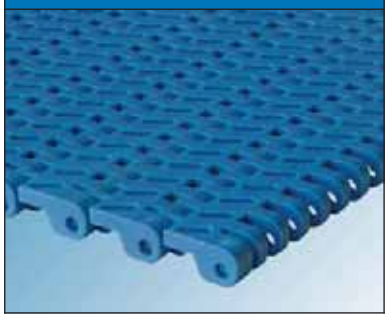
To calculate the quantity of supports, the weight of the product to be transported must be taken into account.

The distance between supports should not exceed 180 mm in the transport way or 200 mm in the return way.

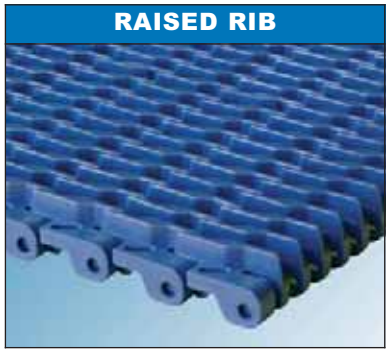
Pitch	24 mm
Drive system	Central
Belt width	Multiples of 10 mm
Widths with one module	Up to 200 mm
Advised minimum width	150 mm
Rod diameter	Ø 4.6 mm

FLAT TOP

FLUSH GRID



RAISED RIB



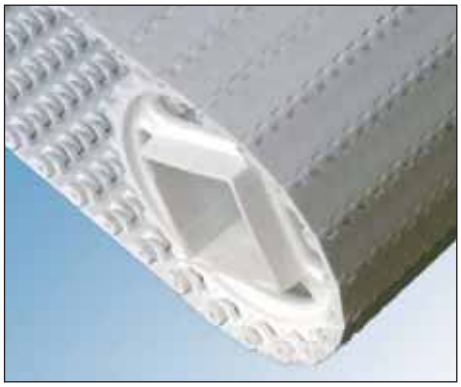
Two of the most important concerns in the conveyor belts market are: getting a safe traction as well as an easy cleaning. At EUROBELT we have developed the new SERIES A24 which fulfils with accuracy both technological challenges:

A bigger opening of the links in the turns avoids the retention or accumulation of dirtiness.

The completely smooth back side of the belt enables to take water and dirtiness to the edges in an easy and quick way.

The completely open ends increase the efficiency in cleaning and allows to work in the best sanitary conditions.

The teeth of the sprockets have two parts clearly different. The drive part, where the tooth is directly in contact with both faces of the module providing the suitable traction, and the transversal stoppage part that avoids movements of the sprocket along the shaft.

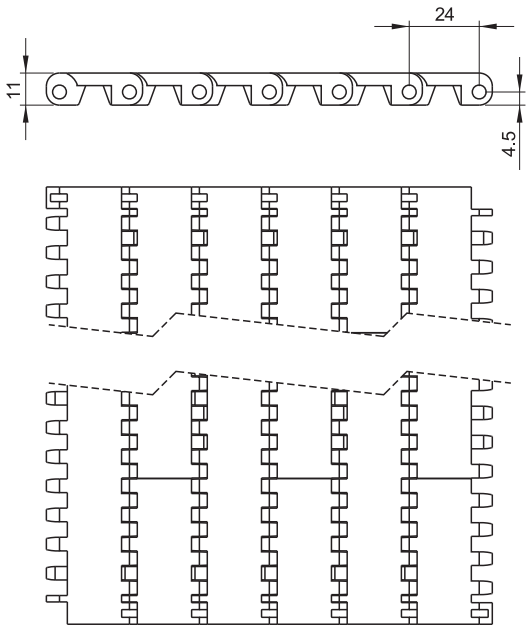


SERIES A24

SERIES A24 FLAT TOP

Pitch	24 mm
Surface	Flat Top
Open area	0%
Thickness	11 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 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
Polypropylene	Polypropylene	1,283	+1 to +104	5.80	white - blue - grey
Polyethylene	Polyethylene	350	-50 to +65	5.96	natural - blue
Polyacetal	Polypropylene	2,000	+1 to +90	8.37	natural - blue
Polyacetal	Polyethylene	1,699	-40 to +65	8.41	natural - blue

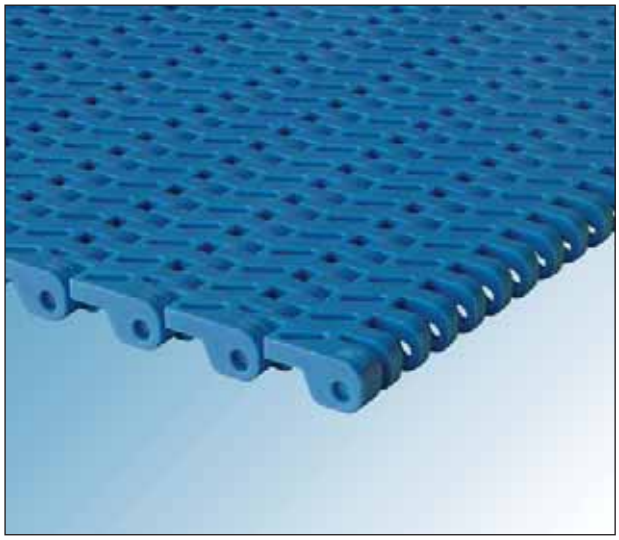


- Control and inspection
- Metal detectors
- Accumulation tables
- Bottles feeding
- Plastic film wrapping

The completely smooth back side of the belt enables to take water and dirtiness to the edges quickly and easily. Its ends are totally opened which increases the efficiency when cleaning and allows working in the best sanitary conditions.

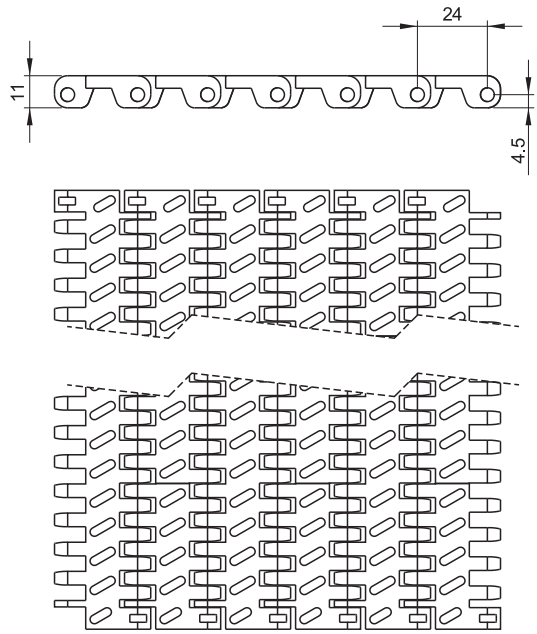
A bigger opening of the links in the turns avoids the retention or accumulation of dirtiness.

SERIES A24 FLUSH GRID



Pitch	24 mm
Surface	Flush Grid
Open area	30%
Thickness	11 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 4.6 mm
Retention system	Cap

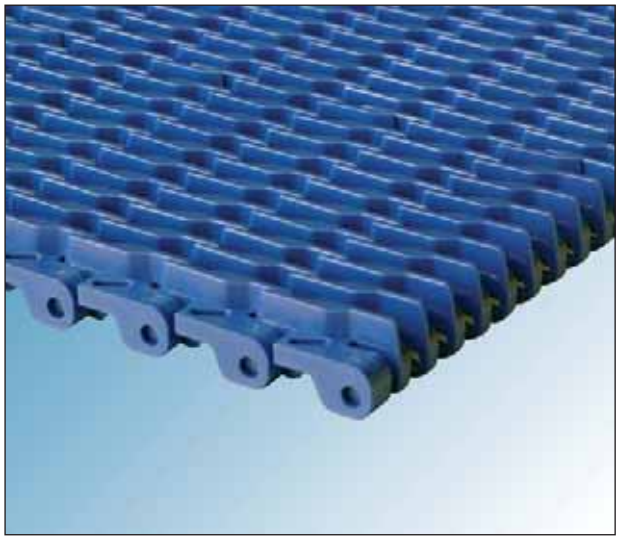
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Polypropylene	Polypropylene	753	+1 to +104	4.90	white - blue - grey
Polyethylene	Polyethylene	260	-50 to +65	5.12	natural - blue
Polyacetal	Polypropylene	1,850	+1 to +90	7.10	natural - blue
Polyacetal	Polyethylene	1,414	-40 to +65	7.14	natural - blue



Its oval holes of 9.5 x 3 mm provide a 30% of open area. It is used for applications involving drainage of liquids or passage of air through the belt, for drying or unfreezing of products.

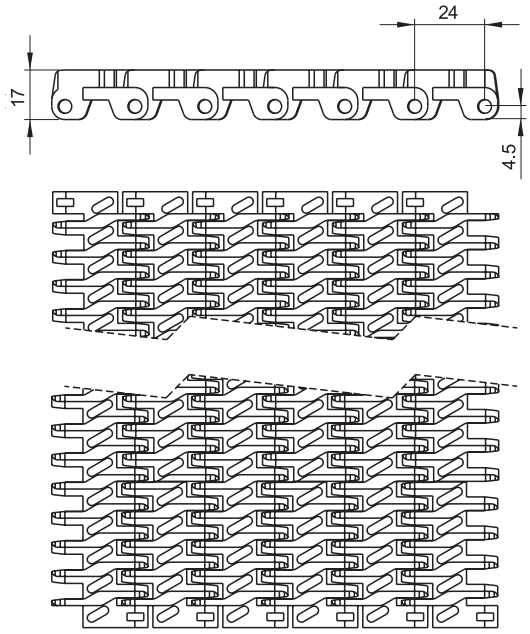
- Drying tunnels
- Loaders of tunnel ovens
- Selection tables
- Casing
- Washers
- Defreezing applications

SERIES A24 RAISED RIB



Pitch	24 mm
Surface	Raised Rib
Open area	30%
Contact area	32%
Thickness	17 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 4.6 mm
Retention system	Cap

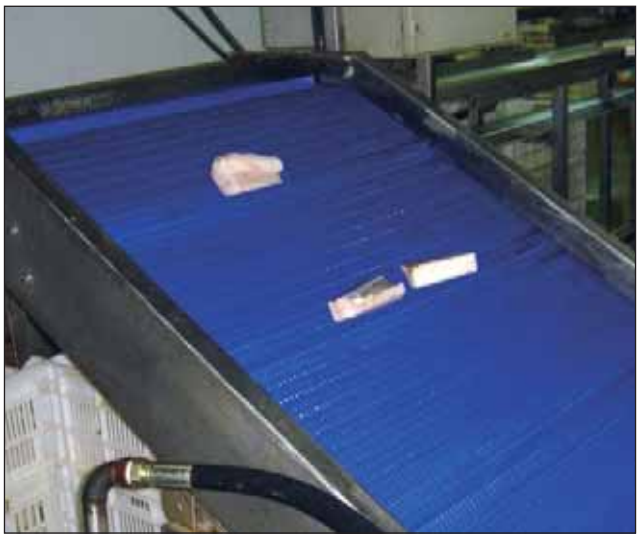
Material of the belt	Material of the rod	Belt strength (kg/m)	Temperature range (°C)	Belt weight (kg/m²)	Available colours in stock
Polypropylene	Polypropylene	950	+1 to +104	6.45	grey
Polyacetal	Polypropylene	1,850	+1 to +90	9.90	blue
Polyacetal	Polyethylene	1,700	-40 to +65	9.94	blue



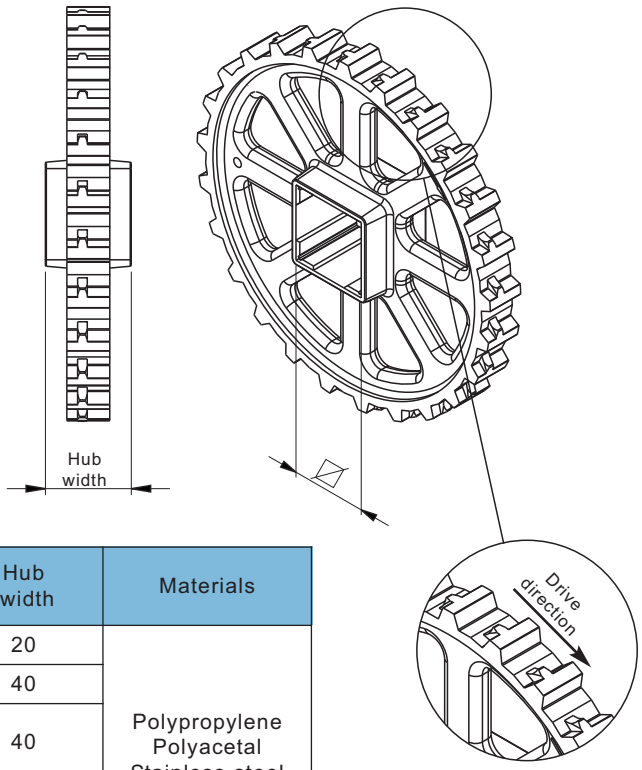
- Palletisers and depalletisers
- Icing of frozen products
- Cooling lines
- Accumulation tables

This belt has been designed mainly to be used with finger plates.

The ribs that rise up 6 mm over the module are interlaced so that they provide a greater resistance as well as a better sliding conditions for the product.



SPROCKETS

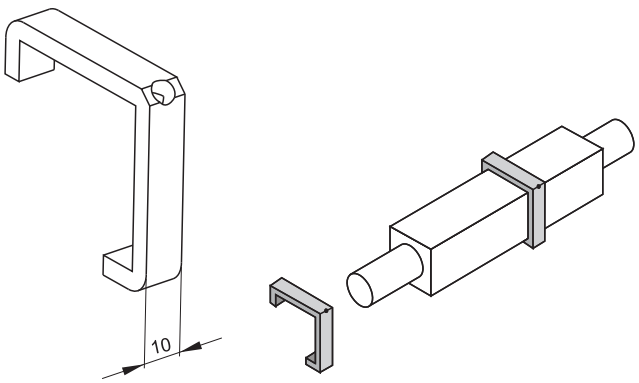


Nº of teeth T	Pitch Ø	Bore ⍁		Hub width	Materials
		mm	inch		
7	55.31	20	-	20	Polypropylene Polyacetal Stainless steel
13	100.25	40	1.5”	40	
20	153.41	40 60	1.5”	40	
25	191.48	40 60 90	1.5”	40	

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.

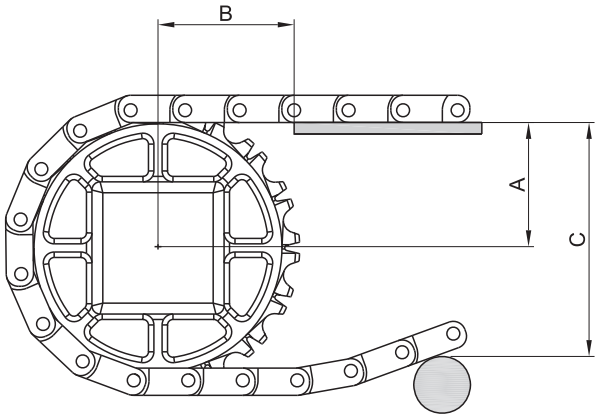
RETAINING RINGS



The fastening of the central sprocket is made by 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 ⍁	Screws
20	M 5 x 5
40	M 6 x 6
60	M 6 x 6
90	M 6 x 6

DESIGN DATA

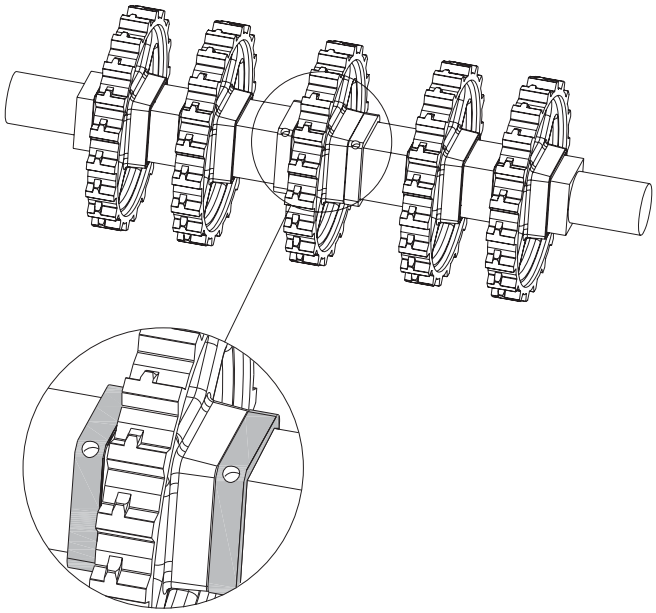


In the building of conveyors, the distances appearing in the table should be respected depending on the sprocket size:

Pitch Ø	A	B max.	C max.
55.31	22	25	55
100.25	46	40	100
153.41	72	50	155
191.48	91	60	195

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:

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

This quantity must always be odd.

FLIGHTS AND SIDE GUARDS

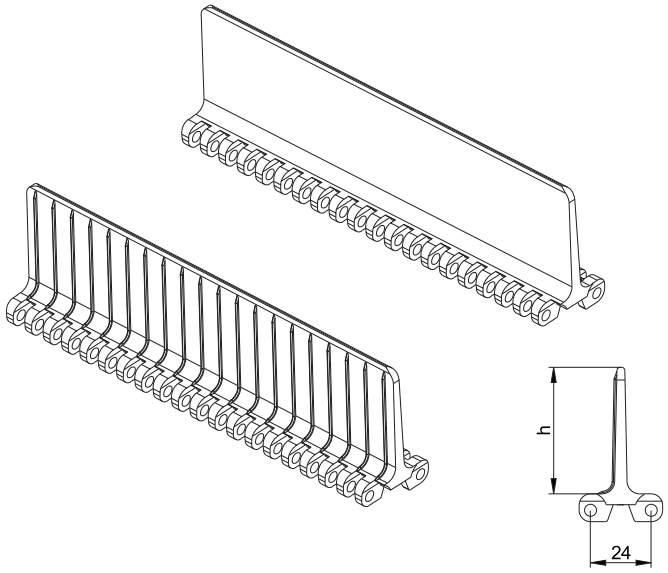
Accessories	h	Materials
90° right flight	25 50	Polypropylene Polyethylene Polyacetal
Side guards	50	Polypropylene Polyethylene Polyacetal

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.

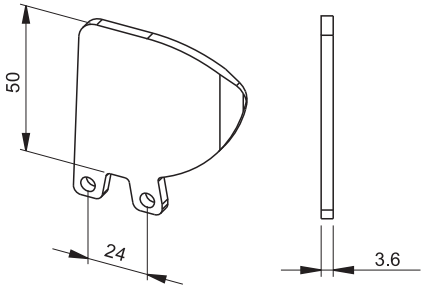
The side guards are plastic accessories to be inserted into the belt structure to retain the product laterally, avoiding overflows and frictions with the conveyor structure itself.

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

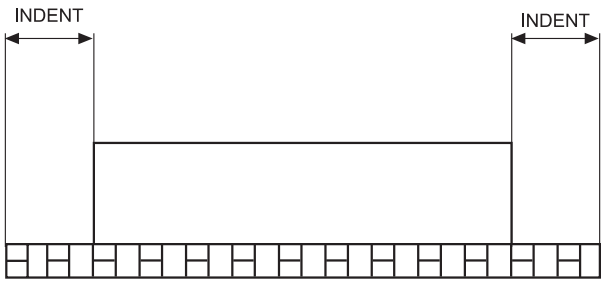
90° RIGHT FLIGHT



SIDE GUARDS



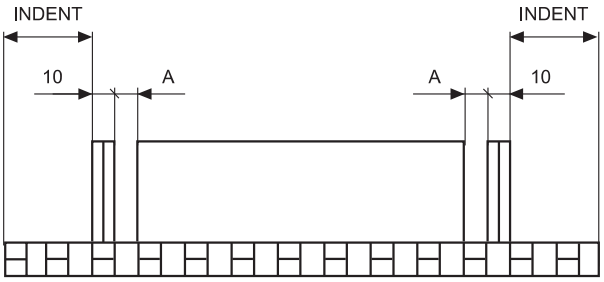
BELT ONLY WITH FLIGHTS



The distance between the side edges of the belt and the flights (indent) must be a multiple of 10 mm, being 20 mm the minimum.

The pitch of flights along the belt will be a multiple of 48 mm.

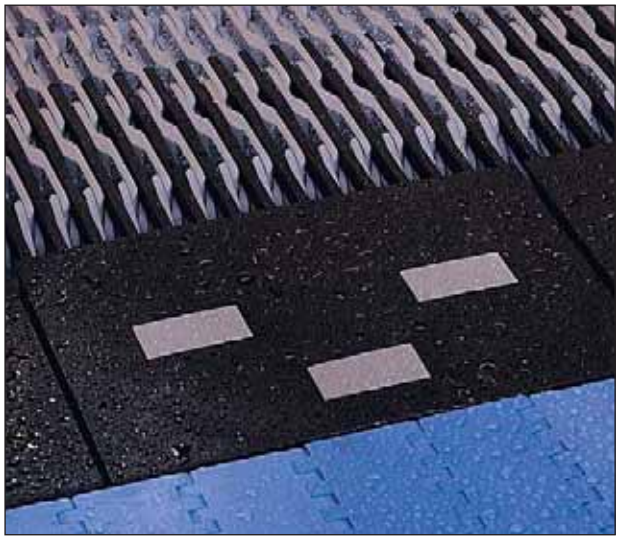
BELT WITH FLIGHTS AND SIDE GUARDS

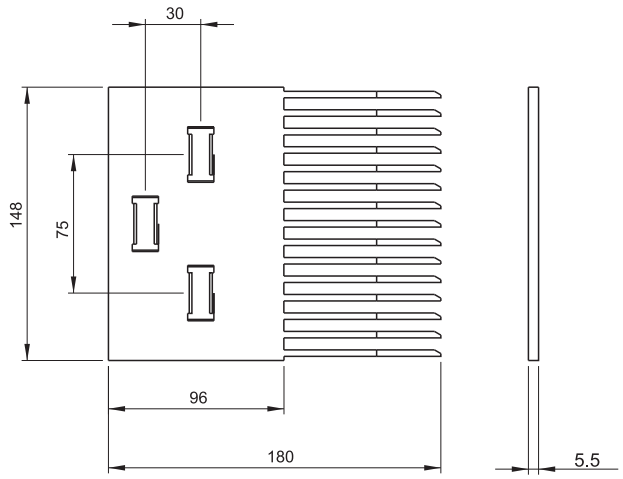


If the belt has both Flights and Side Guards, the minimum distance between them (A) will be:

- 10 mm if the indent is a multiple of 10 mm
- 5 mm if the indent is a multiple of 10 mm + 5

FINGER PLATES





Materials	Colours	Nº of teeth	Nº 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 of finger plates.

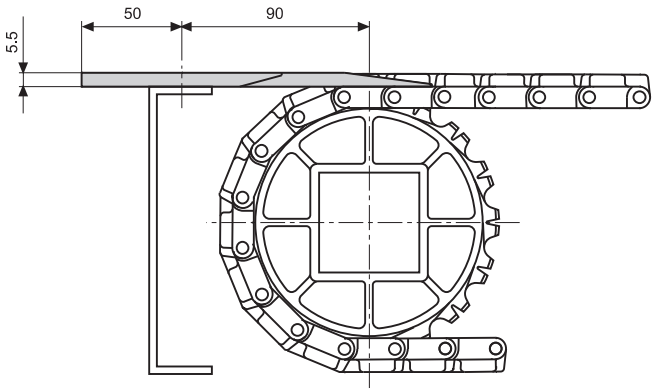
The finger plates are manufactured in nylon and have 15 teeth. These teeth couple perfectly among the projecting ribs of the belt, allowing the constant flow of product as the belt is engaged. They avoid the use of conventional dead plates and consequently the problems by stumbling and fall of the product.

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

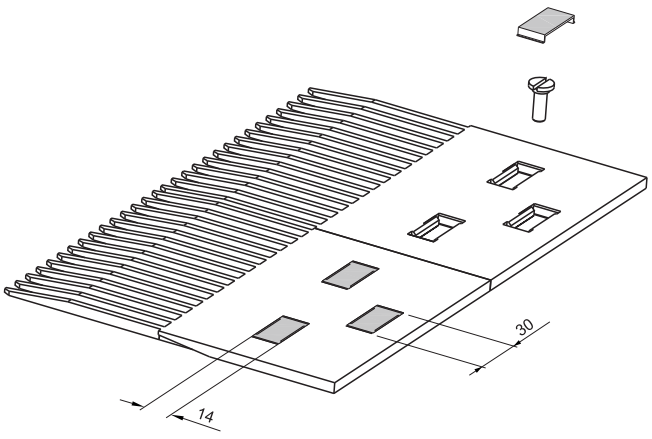
Those holes are located so that they reduce to the minimum the vibrations owing to the turn of the belt over the sprockets.

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 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.

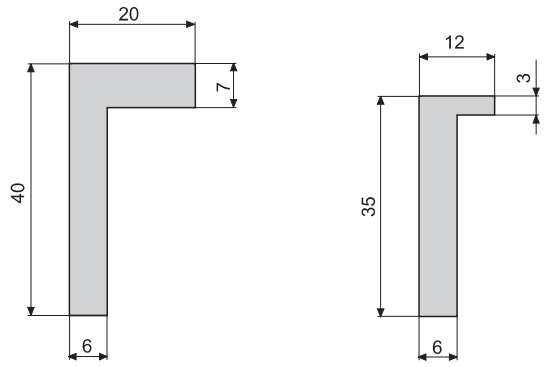
The flat wearstrips are fastened by means of flat-headed plastic screws, which contributes to obtain a smooth surface free of any possibility of hooking. The dimensions of those screws are: M 6 x 25 mm.

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

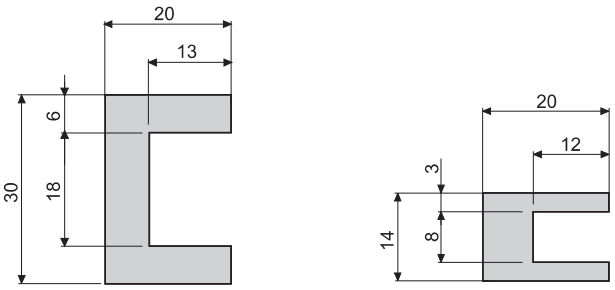
With regard to the wearstrips arrangement, you should choose an appropriate configuration according to the transport requirements.

The distance between supports should not exceed 180 mm in the transport way or 200 mm in the return way.

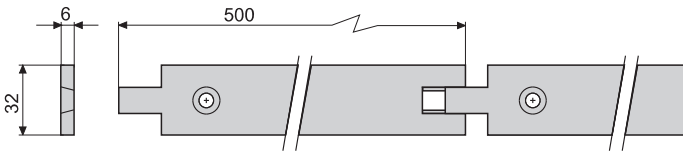
PROFILES IN L



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	100	1	2	2
101	300	3	2	2
301	500	5	4	3
501	700	7	6	4
701	900	9	8	5
901	1,100	11	10	6
1,101	1,300	13	12	7
1,301	1,500	15	14	8
1,501	1,700	17	16	9
1,701	1,900	19	18	11
1,901	2,100	21	20	12
2,101	2,300	23	22	13
2,301	2,500	25	24	14
2,501	2,700	27	26	15
2,701	2,900	29	28	16
2,901	3,100	31	30	17
3,101	3,300	33	32	18
3,301	3,500	35	34	19
3,501	3,700	37	36	21
3,701	3,900	39	38	22
3,901	4,100	41	40	23

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 100 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 180 mm in the transport way or 200 mm in the return way.