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F6 is a belt conveyor conceived with modular design for light load

Suitable for the transportation of light product and with small dimensions, has a maximum work load of 30 Kg*.
Its speed can reach 60 m/min* in function of the installed motor gear and the conveyor dimensions.

F6 is a belt conveyor system, suitable for food industry and not, ideal for the transportation of products with small dimensions.

F6 is an Italian product that can offer flexible solutions to a wide range of needs in the product handling process.

F6 was designed to be easy to use, both by plant and machine builders and by companies that need to handle products.

F6 is a practical system, that allows to use a vast range of accessories and standard components available on the market.

F6 interfaces easily with other systems and allows to reuse different elements of related components.

Technical Data*

- **Product dimensions: 20÷400 mm**
  The geometric shape of the product to be handled influences the maximum width of products accommodated by the system.

- **Maximum weight on the conveyor: 35 Kg**
  The maximum weight on the conveyor is limited to the need to reduce at minimum the belt wear and the stress on the tow roller

- **Maximum conveyor length: 6 m**
  The maximum length of the conveyor depends on the total load, the motor drive capacity, the speed and the conveyor layout.
  It is important to calculate and compare the maximum belt tension and the motor drive capacity in the following situations:
  - Heavy loads
  - Accumulation
  - High speed
  - Long conveyor
  - Frequency of starts and stops

- **Belt conveyor layout:**
  Conveyor layout fundamentally depends on the type of motorization installed:
  - BELT CONVEYOR WITH FLANGED END MOTOR DRIVE (TEF45): Lx2 + 43 mm
  - BELT CONVEYOR WITH CENTRAL MOTOR DRIVE (TCP4545 e TCP4512): Lx2 + 285 mm

  (where L is the conveyor length)

- **Maximum conveyor speed: 60÷70 m/min**
  The maximum speed of the conveyor depends on the total load and the motor drive capacity.

- **Noise level of the conveyor:**
  The composition and the materials used for the realization of the belt conveyor, makes them the quietest type of conveyor.

* The data indicated above should be considered indicative of normal conveyor performance. For applications that have values outside of this range or have particular working conditions, please contact our technical office for a feasibility assessment.

Belt type

MH supplies 6 different standard models of belt for some main brand in the sector: Habasit, Siegling, Ammeral, Chiorino, Mabelt.
Determining factors in the choice of the belt are:

- conveyor model on which it will be installed
- the type of application that the conveyor belt will have to carry out
- The environment in which the conveyor belt will work
- Possible specifications for the brand or other requests from the client

If the client requires theme, different brand, materials and accessories are available for every belt.
For further information and evaluation on the best belt type for your needs, please contact our Technical Department.

Typical Applications


CHOCOLATE


BAKERY PRODUCTS


CHEESES


TINS, CANS, AND JARS


MECHANCAL ELEMENTS
AND ELECTRICAL PARTS


PRODUCTS IN PLASTIC
BLISTER PACKS

TCP4545 and TEF45 belts

N1
Rough belt with low fiction with 2 canvas, suitable for accumulation of carton or plastic boxes

N2
2 canvas smooth spreaded with good surface endurance and maximum thickness, low friction for small accumulation, suitable for low slope and the transportation of metal particulars

N3
2 canvas with crossed relief surface for high speed phase conveyors or honeycombed, suitable for high slope, unsuitable for accumulation

TCP4512 belts

N4
Rough belt with low fiction with 2 canvas, suitable for accumulation of carton or plastic boxes

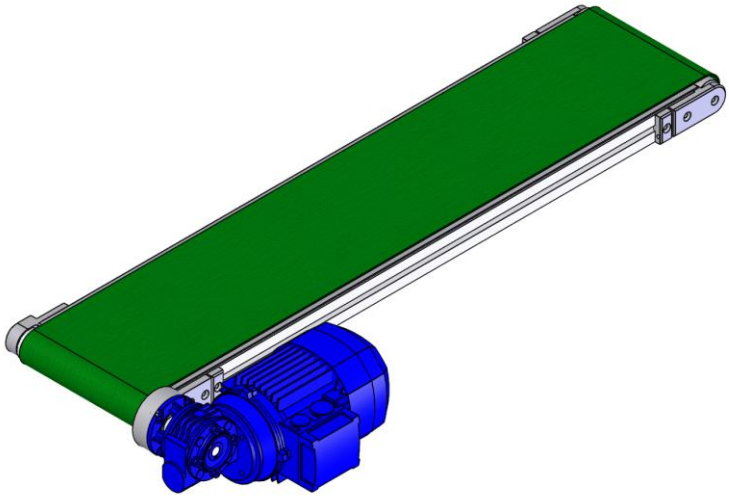
N5
2 canvas smooth spreaded with low friction for small accumulation, suitable for low slope

N6
Good fiction to overcome slow scope, unsuitable for accumulation

Standard modules

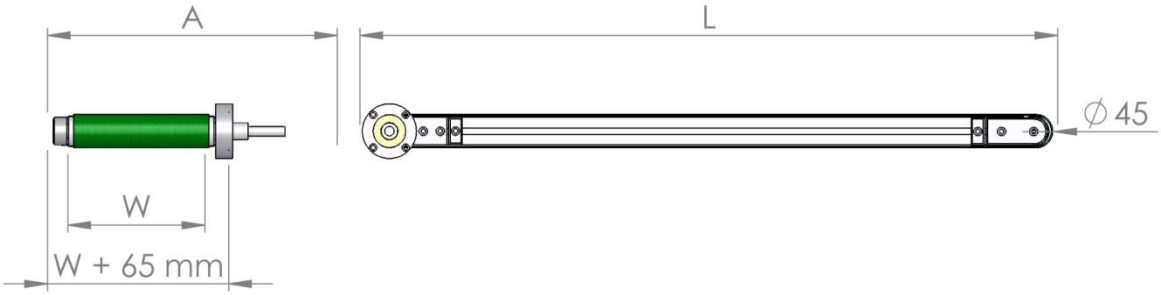
Flanged end motor drive (TEF45)

Belt conveyor with left/right flanged end motor drive with idle return roller Ø 45 mm

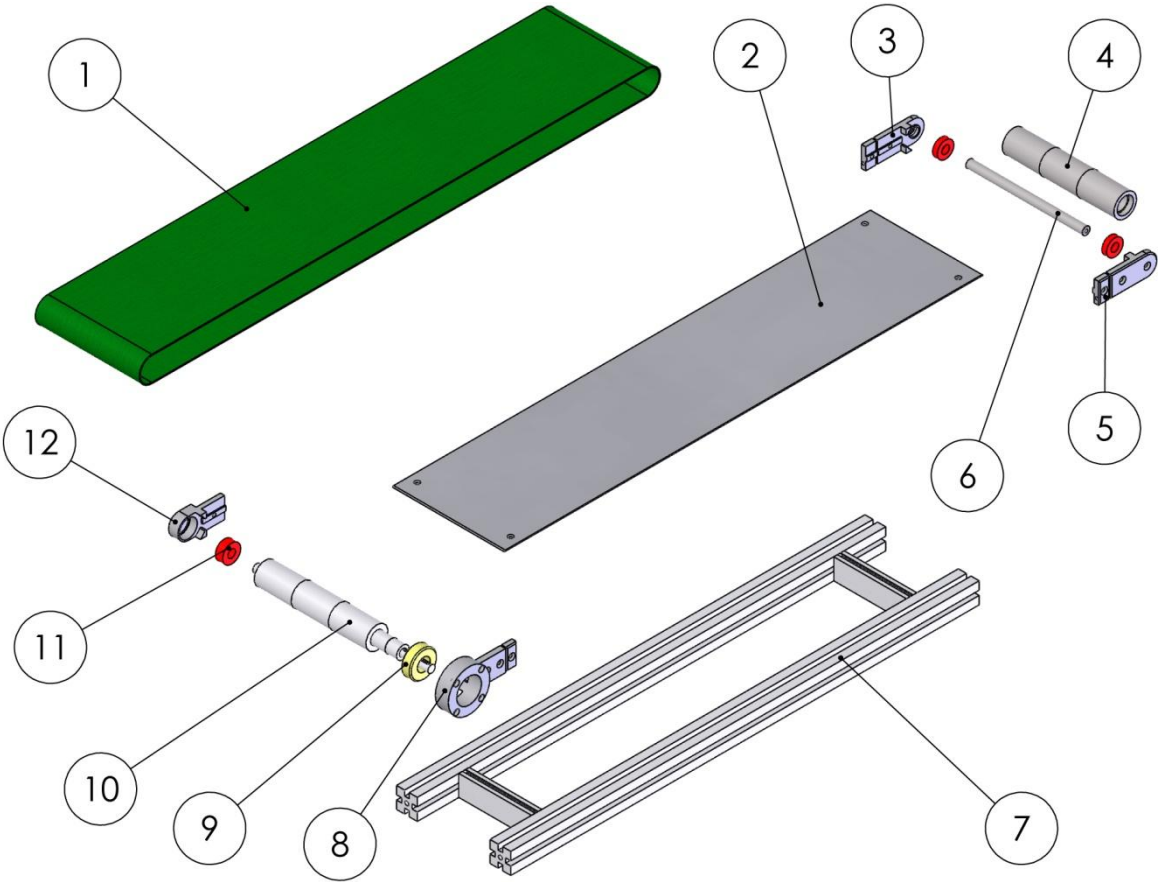


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4.8, 9.6, 12.5, 19, 27.5
Width	: 20 mm÷400 mm
Length	: 2000 mm max
Max Load	: 20 Kg



W = Belt width
A = Volume depending to the motor gear type
L = Conveyor length



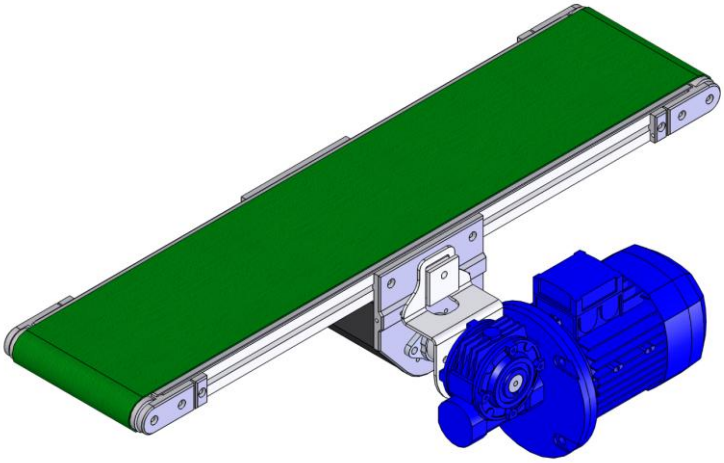
Article Number	Description	Article Code
1	BELT	
2	SLIDING PLAN	**
3	RETURN END Ø 45 mm PLATE	P12514
4	RETURN ROLLER Ø 45 mm	**
5	TENSIONING BLOCK	P12515
6	RETURN ROLLER SHAFT	**
7	PS4040 ALUMINUM FRAME	R5696
8	FRLANGED END DRIVE PLATE	P12548
9	BEARING INSIDE FLANGE	2205-2RS
10	DRIVE ROLLER Ø 45 mm	**
11	BEARING	6002-2RS
12	END DRIVE PLATE	P12549C

* Depends on the motor type
** Depends on conveyor dimensions

NOTE: For conveyors longer than 2 meters, it will need to add some rollers on the return track to avoid excessive belt lanyards.

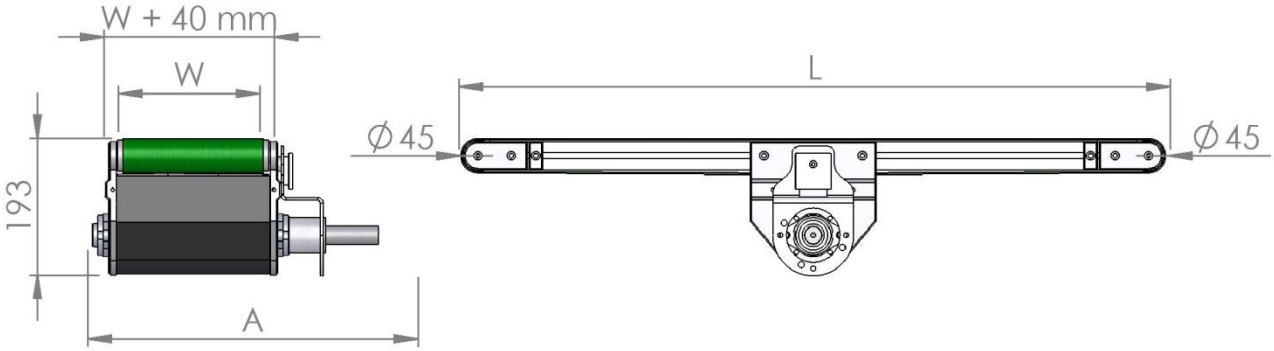
Central suspended motor drive (TCP4545)

Central left/right suspended motor drive with idle return rollers Ø 45 mm.
The central motor drive can be installed at any point along the conveyor. and is directly connected to the belt drive roller.

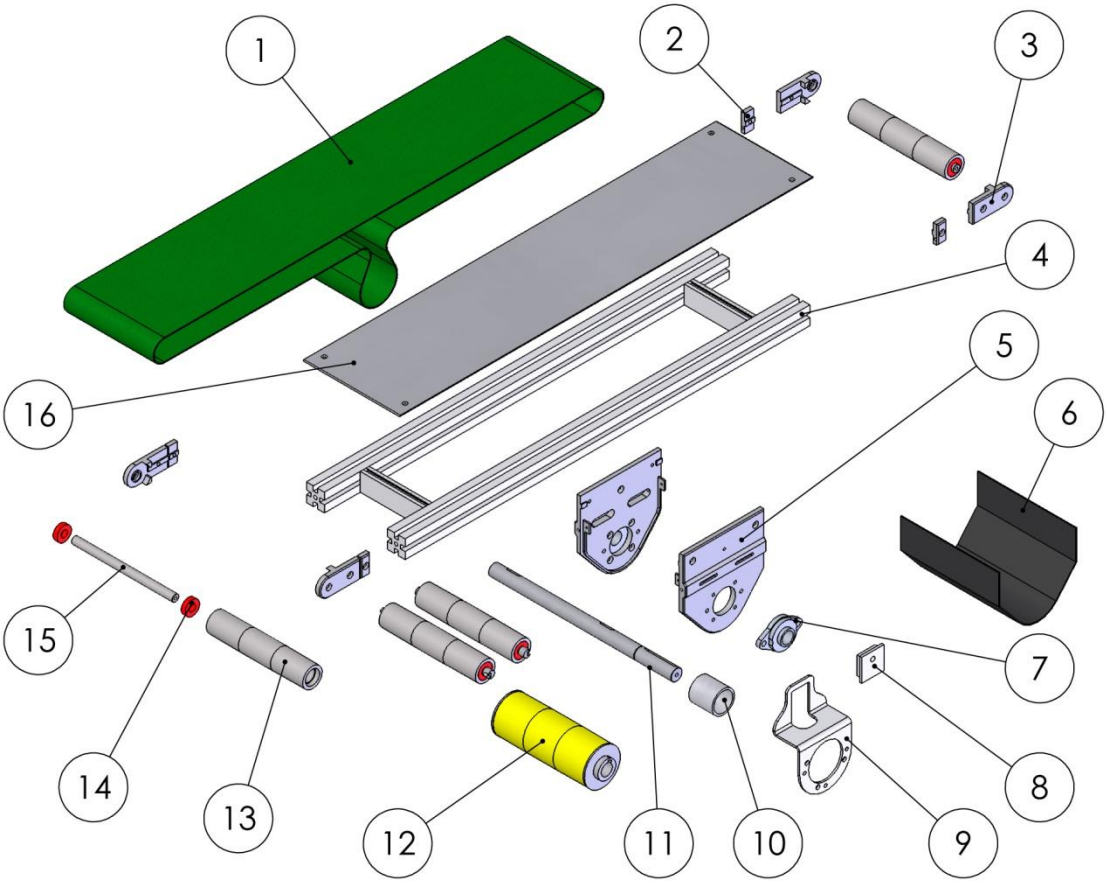


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4, 12.5, 19.5, 35, 50
Width	: 60 mm÷400 mm
Length	: 6000 mm max
Max Load	: 35 Kg



W = Belt width
A = Volume depending to the motor gear type
L = Conveyor length



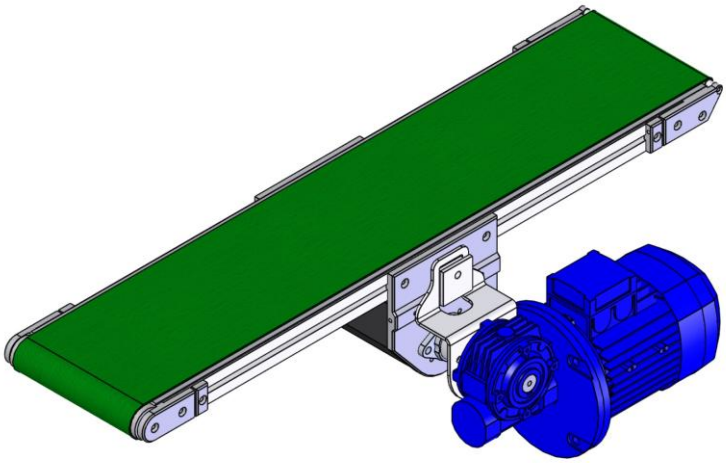
Article Number	Description	Article Code
1	BELT	
2	TENSIONING BLOCK	P12515
3	RETURN ROLLER Ø 45 mm	P12514
4	PS4040 ALUMINUM FRAME	R5696
5	CENTRAL DRIVE PLATE	P125719
6	CENTRAL DRIVE PROTECTION	P12520
7	DRIVE SUPPORT	UFL-005
8	REACTION ARM PIN	F5TM06
9	REACTION LEVER	*
10	DRIVE SHAFT PROTECTION	
11	DRIVE SHAFT	*
12	DRIVE ROLLER	**
13	RETURN ROLLER Ø 45 mm	**
14	BEARING	6002-2RS
15	RETURN ROLLER SHAFT	**
16	SLIDING PLAN	**

* Depends on the motor type
** Depends on conveyor dimensions

NOTE: For conveyors longer than 2 meters, it will need to add some rollers on the return track to avoid excessive belt lanyards.

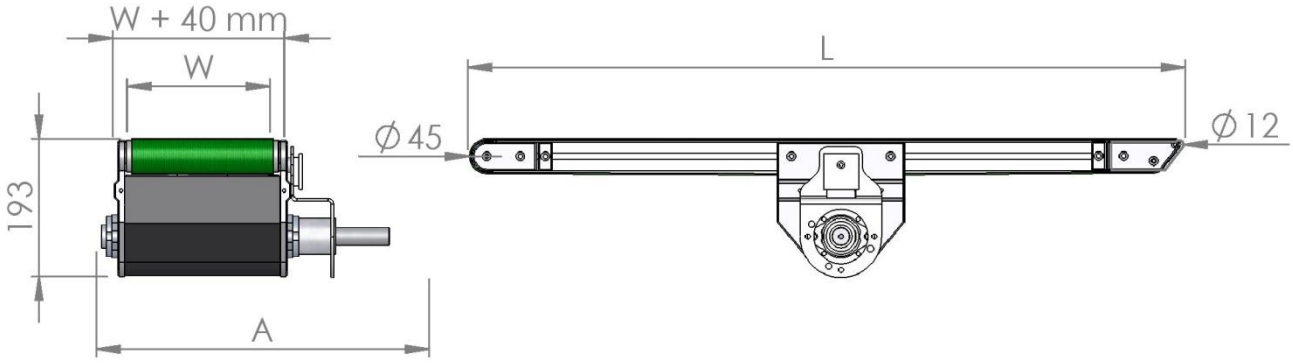
Central suspended motor drive (TCP4512)

Centrale left/right suspended motor drive with idle return roller Ø 45 mm and pen Ø 12 mm.
The central motor drive can be installed at any point along the conveyor. and is directly connected to the belt drive roller

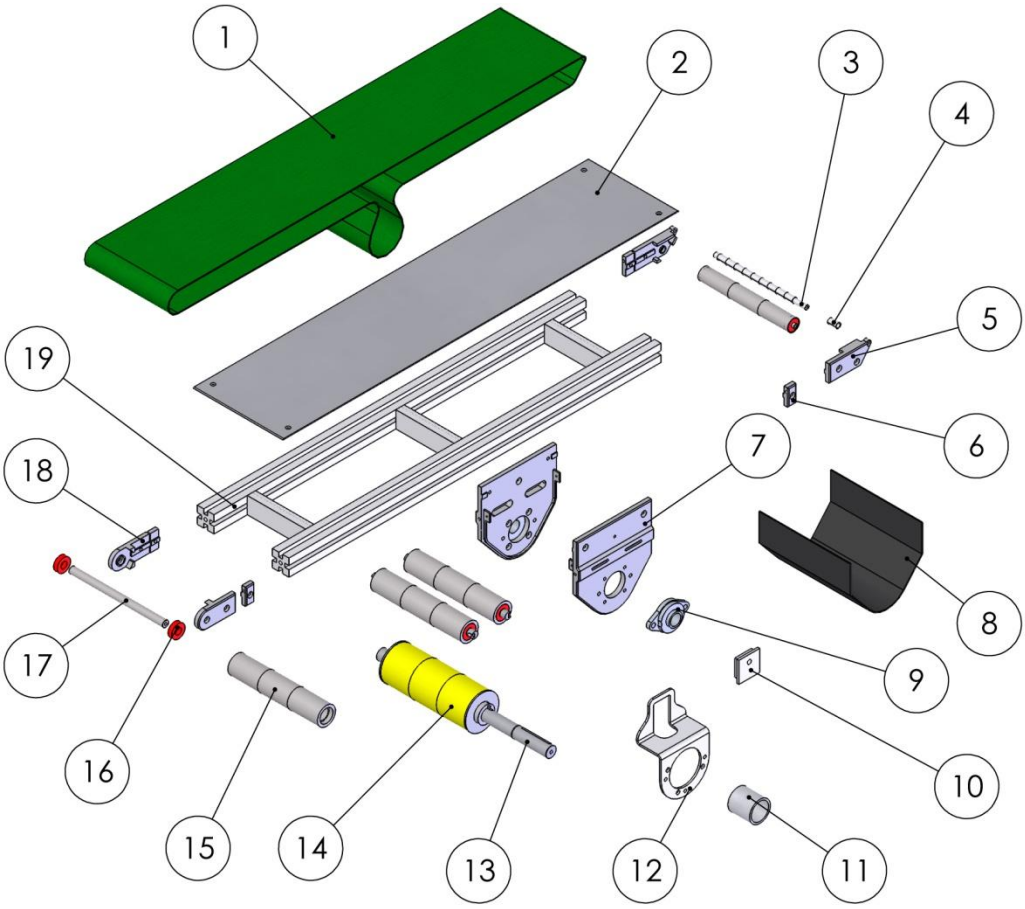


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4, 9.5, 12.5, 19.5, 25
Width	: 20 mm÷400 mm
Length	: 2500 mm max
Max Load	: 35 Kg



W = Belt width
A = Volume depending to the motor gear type
L = Conveyor length

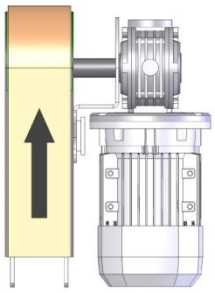
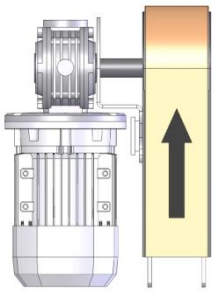


Article Number	Description	Article Code
1	BELT	
2	SLIDING PLAN	**
3	IGUS BUSH	JSM 1012 20
4	RETURN PEN Ø 12 mm	
5	RETURN PEN PLATE	P12516 SX
6	TENSIONING BLOCK	P12515
7	CENTRAL DRIVE PLATE	P125719
8	CENTRAL DRIVE PROTECTION	P12520
9	DRIVE SUPPORT	UFL-005
10	REACTION ARM PIN	F5TM06
11	DRIVE SHAFT PROTECTION	
12	REACTION LEVER	*
13	DRIVE SHAFT	*
14	DRIVE ROLLER	**
15	RETURN ROLLER Ø 45 mm	**
16	BEARING	6002-2RS
17	RETURN ROLLER SHAFT	**
18	RETURN ROLLER Ø 45 mm PLATE	P12514
19	PS4040 ALUMINUM FRAME	R5696

* Depends on the motor type
** Depends on conveyor dimensions

NOTE: For conveyors longer than 2 meters, it will need to add some rollers on the return track to avoid excessive belt lanyards.

HOW TO WRITE THE ORDER CODES FOR MOTOR DRIVES

Description	Order Code	
Motor drive type	Flanged suspended end : F6 TEF Central suspend end with Ø 45 mm rollers : F6 TCP 4545 Central suspend end with Ø 12 mm pen : F6 TCP 4512	
Drive side	Right: D 	Left: S 
Belt width	W (width in mm)	
Blet length	L (length in mm)	
Motor gear type	Bonfiglioli MVF49 Bonfiglioli W63 SEW WA20 SEW WA30	
Motor gear presence	Yes: Y No: N	
Belt type	Low friction rough belt : N1 o N4 Spreaded belt for low slopes : N2 o N5 Belt for phase conveyors or high slopes : N3 o N6	

If purchasing the drive unit with your order, please specify the required speed at the time of ordering.

Example:
Right suspended central motor drive with Ø 45 mm rollers and SEW WA30 motor gear included and belt for high slopes 200 mm wide and 2000 mm long

Cod: F6TCP4545-D-W200-L2000-WA30-N3

NOTE: For speeds above 20 m/min or in the presence of frequent starts or high loads, it is essential to put the motors under soft starter or inverter

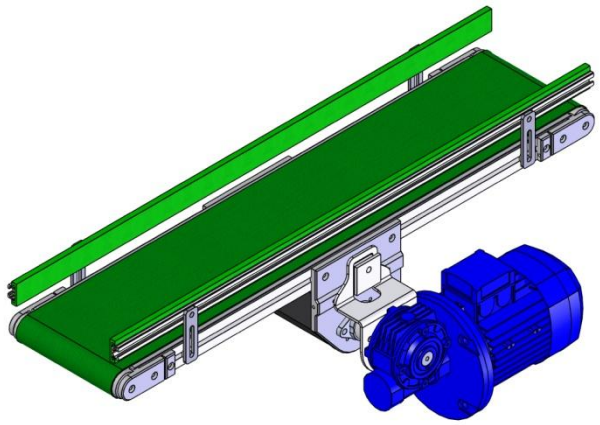
Lateral guides

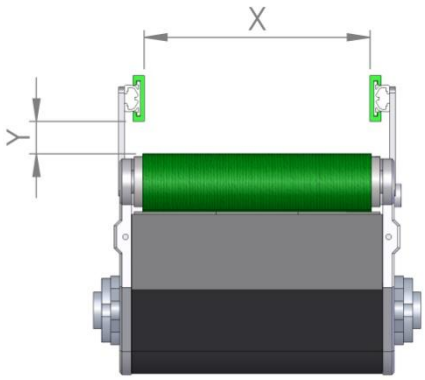
F6 is an open system that allows to use several types of supports and lateral guides found on the market.

The guides shown below can be either fixed or adjustable, depending on client needs.
The corresponding data are correlated to a basic guide format: on request, accessories to increase flexibility are available.
For more technical information and evaluations, please contact our Technical Office.

Fixed guides

F6 GPF1





Composition (per channel meter):

GL40P	: 2 m
GL30A	: 2 m
DS2010A6/16/26	: 4 pieces
PSG95	: 4 pieces

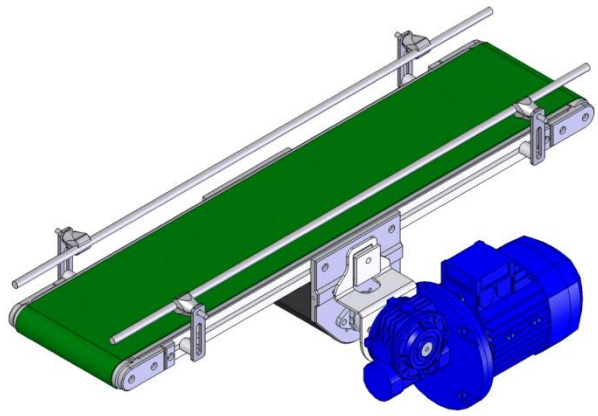
Clearance:

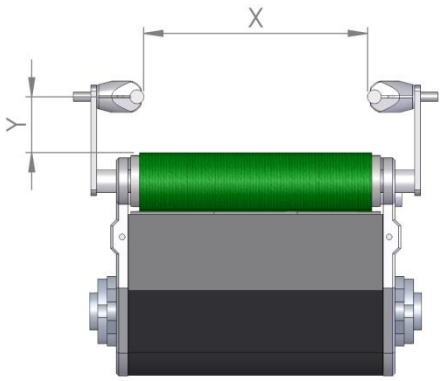
X	: L-3 mm minimum*
Y	: 3 ÷ 28 mm*

(where L is the width of the belt)

* The X dimension changes with the length of the aluminum spacer.
The Y dimension varies through the slot in the PSG95 plate.

F6 GPF3





Composition (per channel meter):

GL12SS	: 2 m
MGT12	: 4 pieces
DS2010A27/37/47	: 4 pieces
PSG95	: 4 pieces

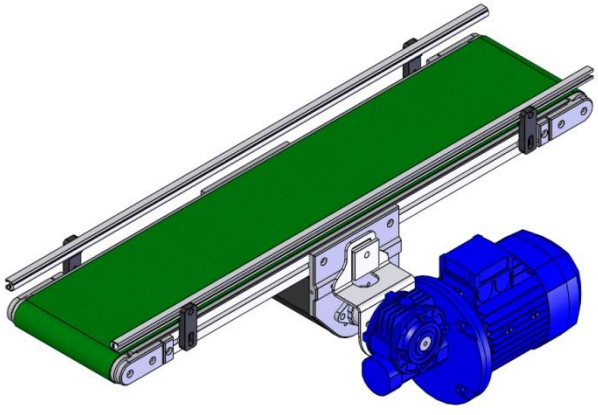
Clearance:

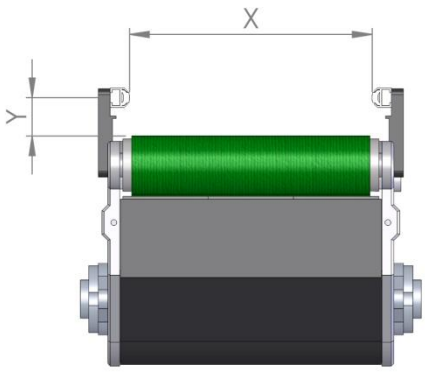
X	: L+47 mm minimum*
Y	: 15 ÷ 48 mm*

(where L is the width of the belt)

* The X dimension changes with the length of the aluminum spacer.
The Y dimension varies through the slot in the PSG95 plate.

F6 GPF4





Composition (per channel meter):

GL16PA	: 2 m
DS2010A6/16/26	: 4 pieces
PSG10	: 4 pieces

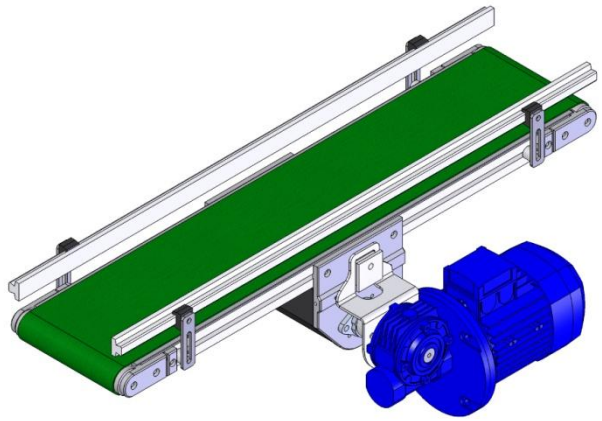
Clearance:

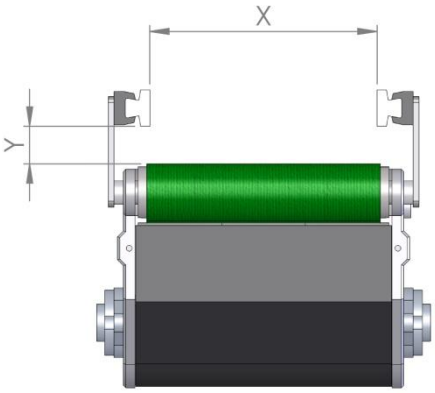
X	: L+4 mm minimum*
Y	: 3 ÷25 mm*

(where L is the width of the belt)

* The X dimension changes with the length of the aluminum spacer.
The Y dimension varies through the slot in the PSG10 plate.

F6 GPF6





Composition (per channel meter):

GL31SS	: 2 m
MGL31SS	: 4 pieces
DS2010A18/28/38	: 4 pieces
PSG95	: 4 pieces

Clearance:

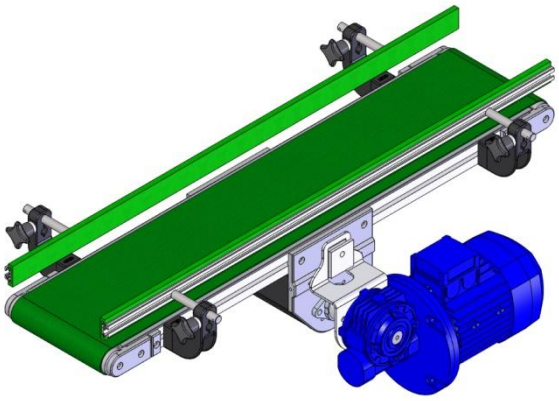
X	: L+30 mm minimum*
Y	: 3 ÷32 mm*

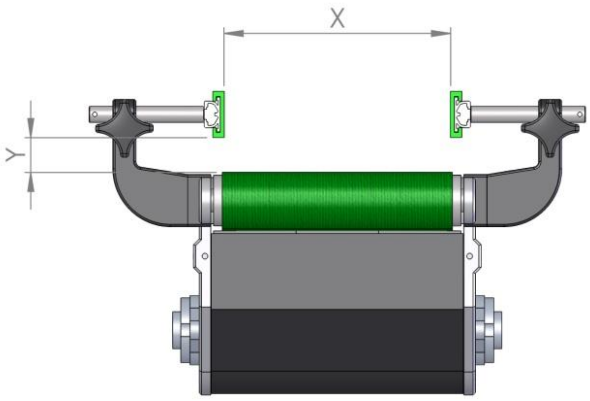
(where L is the width of the belt)

* The X dimension changes with the length of the aluminum spacer.
The Y dimension varies through the slot in the PSG95 plate.

Guide regolabili

F6 GPR4





Composition (per channel meter):

GL40P	: 2 m
GL30A	: 2 m
SG11	: 4 pieces
DS11	: 4/8/12 pieces
PFG14	: 4 pieces

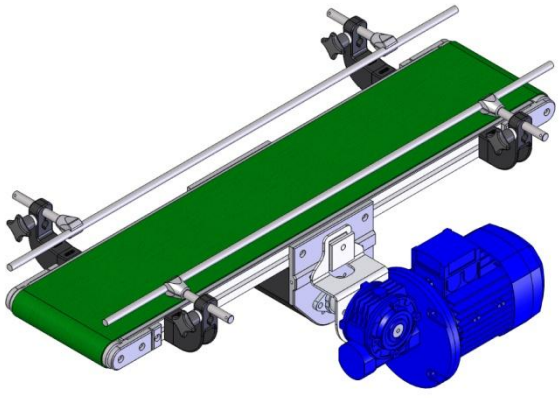
Clearance:

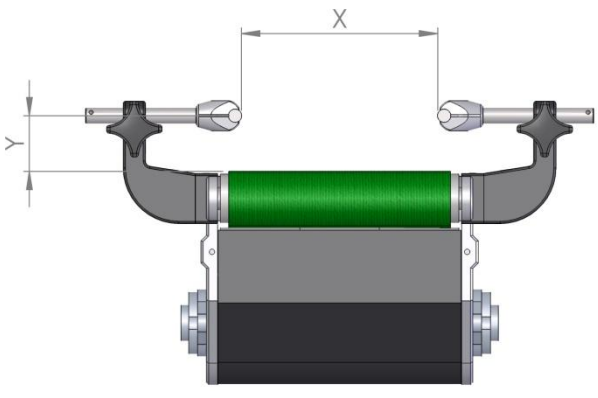
X	L+110 ÷ 30 mm minimum*
Y	: 21 ÷ 43 mm*

(where L is the width of the belt)

* The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.
The Y dimension is Y varies through the slot in the SG11 support and on the DS11 spacer.

F6 GPR11





Composition (per channel meter):

GL12SS	: 2 m
MGT12	: 4 pieces
SG11	: 4 pieces
SG11DS11	: 4/8/12 pieces
PFG14	: 4 pieces

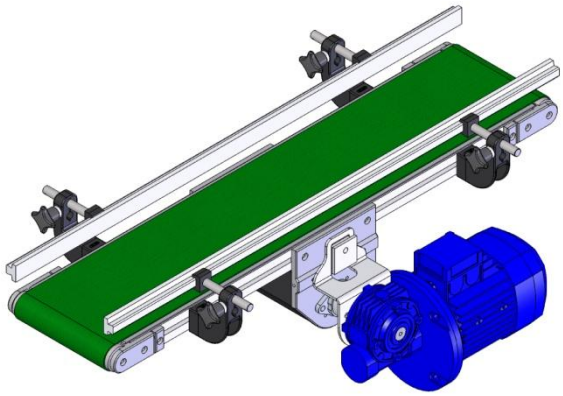
Clearance:

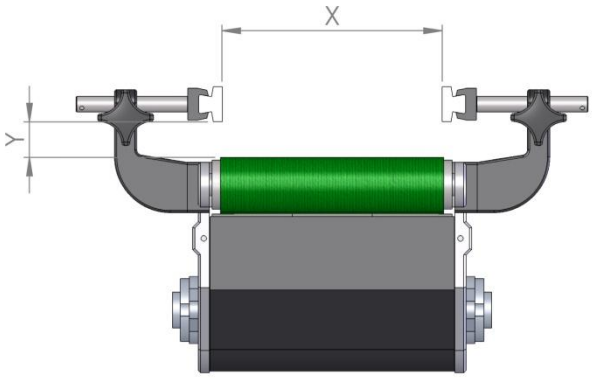
X	: L+160 ÷ 20 mm minimum*
Y	: 41 ÷ 63 mm*

(where L is the width of the belt)

* The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.
The Y dimension is Y varies through the slot in the SG11 support and on the DS11 spacer.

F6 GPR17





Composition (per channel meter):

GL31SS	: 2 m
MGL31SS	: 4 pieces
SG11	: 4 pieces
DS11	: 4/8/12 pieces
PFG14	: 4 pieces

Clearance:

X	: L+136 ÷ 4 mm minimum*
Y	: 26 ÷ 48 mm*

(where L is the width of the belt)

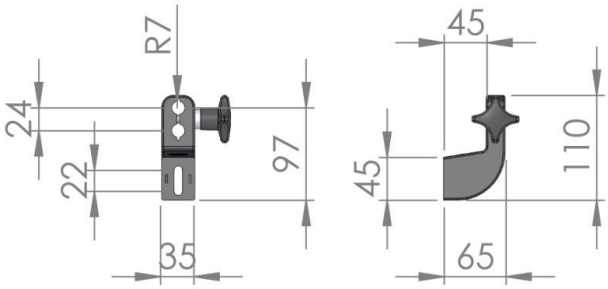
* The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.
The Y dimension is Y varies through the slot in the SG11 support and on the DS11 spacer.

Lateral guides accessories

Support

Material : Polyamide
Colour : Black
Packaging : 10 pieces

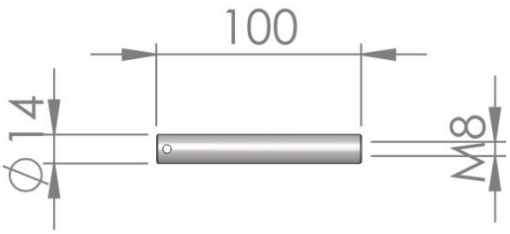
Order Code: SG11



Guide fastening pin

Material : Stainless steel
Packaging : 10 pieces

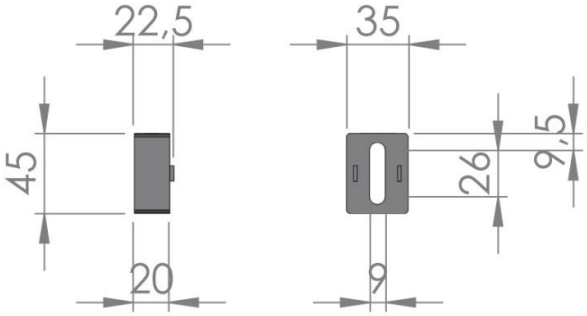
Order Code: PFG14



Support spacer

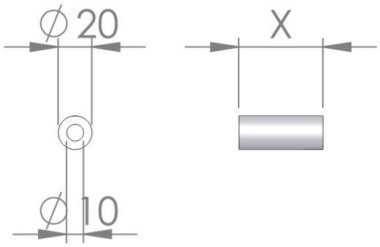
Material : Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: DS11



Material : Anodized aluminum
Packaging : Custom cut into bars

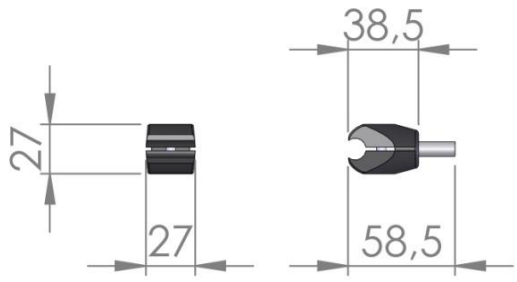
Order Code: DS2010A



Guide support clamps

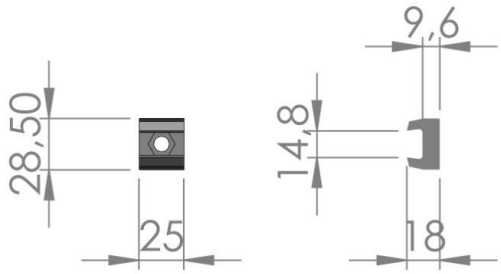
Material : Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: MGT12



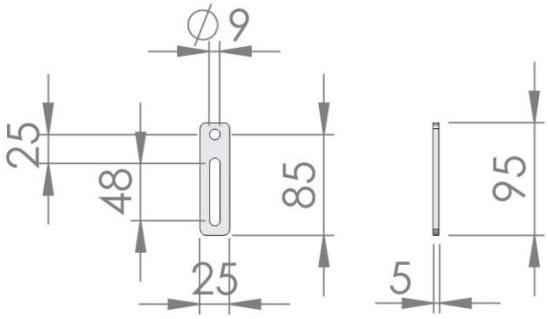
Material : Polyamide
Colour : Black
Packaging : 20 pieces with bolts

Order Code: MGL31SS



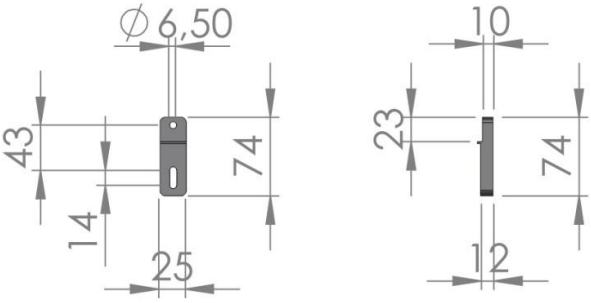
Material : Stainless steel
Packaging : 10 pieces

Order Code: PSG95



Material : Polyamide
Colour : Black
Packaging : 10 pieces

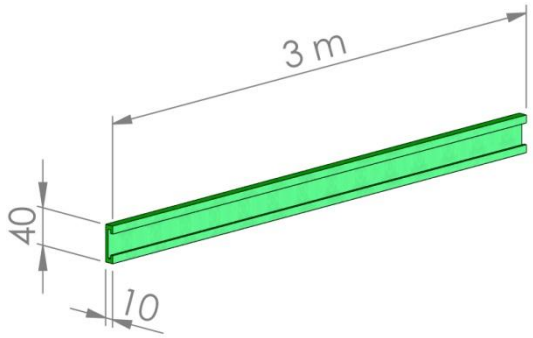
Order Code: PSG10



Profiles

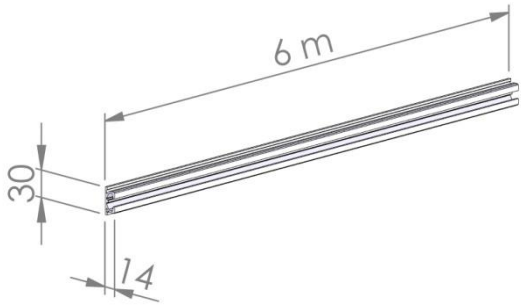
Material : Polyethylene
Colour : Green
Length : 3 m

Order Code: GL40P



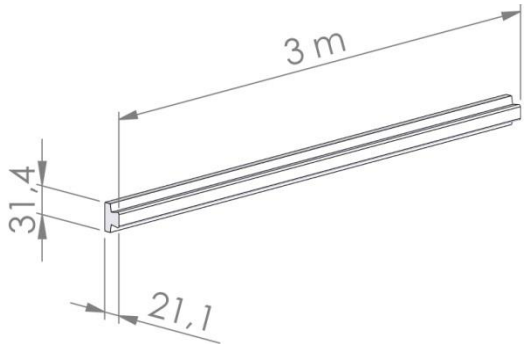
Material : Anodized aluminum
Length : 6 m

Order Code: GL30A



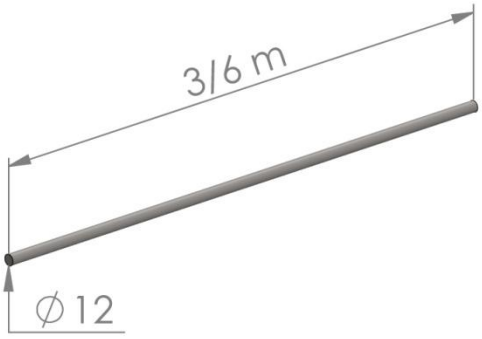
Material : Stainless steel and Polyamide
Colour : White
Length : 3 m

Order Code: GL31SS

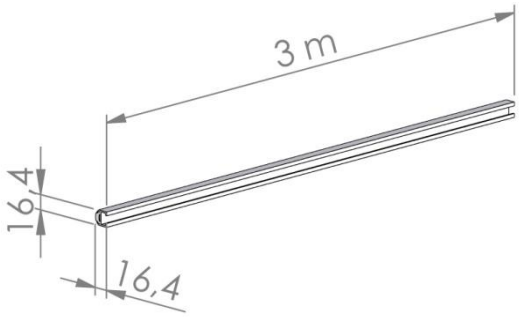


Material : Stainless steel
Length : 3/6 m

Order Code: GL12SS



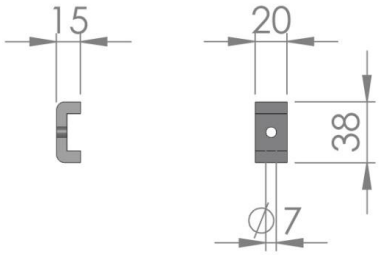
Material : Anodized aluminum and Polyamide
Colour : White
Length : 3 m



Order Code: GL16A

Intermediate guide (GLP40) clamps

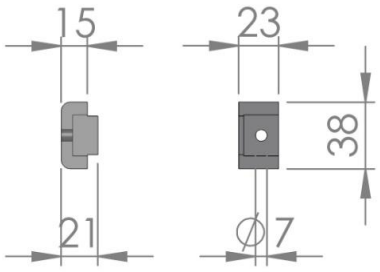
Material : Polyamide
Colour : Black
Packaging : 10 pieces with screws



Order Code: MBPI

Guide (GLP40) clamp for curves

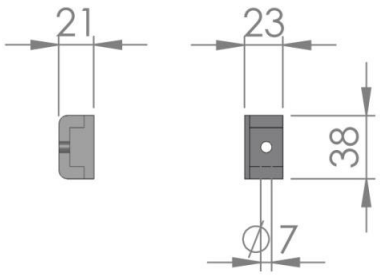
Material : Polyamide
Colour : Black
Packaging : 10 pieces with screws



Order Code: MBPC

Terminal guide (GLP40) clamp

Material : Polyamide
Colour : Black
Packaging : 10 pieces with screws



Order Code: MBPT

Conveyor support systems

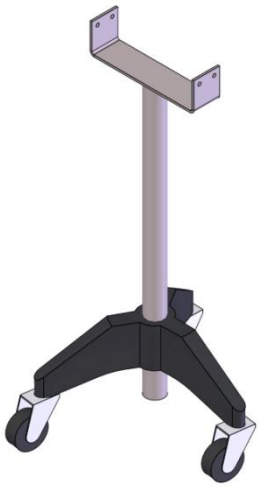
F6 S1

F6S1 system support is composed of a polyamide base with 3 adjustable feet, with a stainless steel tubular at the top of it where are welded 2 brackets to support the conveyor channel. The channel is fastened directly on the brackets using the holes or the cavities on the side of the profile, so the distance between them is the width of the channel. The height of the conveyor can be adjust also with the regulation of the tubular.
F6S1 simple model is suitable for belt conveyors within a maximum belt width of 250 mm.
F6S1 double model (F6S1D) instead is composed of a double two-legged base in polyamide, with the same regulation of the tripod model, linked with a stainless steel tubular: his conformation makes it suitable for the conveyors with a belt width greater than 250 mm.
Standard feet don't have the anti vibrations rubber, but they can be predispose with the holes to fix the conveyor to the ground. Both the models can be assemble with wheels.
The height of the conveyor belt plan can be adjust between a standard regulation of ± 70 mm.
For the realization of support with a height not included in this standard range or with a wider regulation, please contact our Technical Department

Composition:

Stainless steel Ø 48 mm tubular
GF50 : 1 piece
PSR60 : 3 pieces

Order Code: F6S1



Composition:

Stainless steel Ø 48 mm tubular
GF50 : 1 piece
RP80 : 3 pieces

Order Code: F6S1R

Composition:

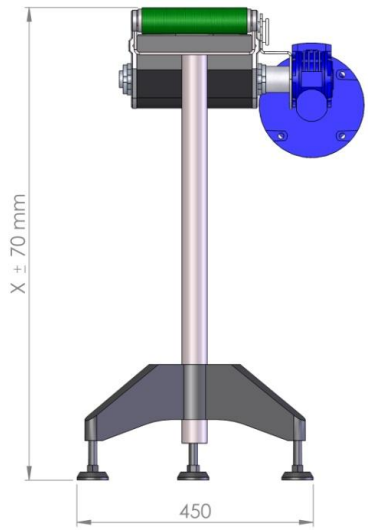
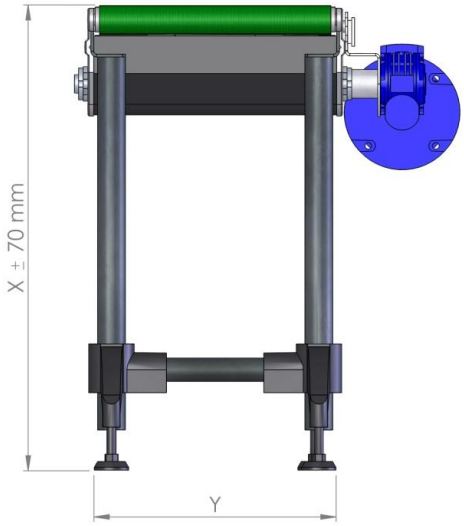
Stainless steel Ø 48 mm tubular
GF70 : 2 pieces
PSR60 : 3 pieces

Order Code: F6S1D

Composition:

Stainless steel Ø 48 mm tubular
GF70 : 2 pieces
RP80 : 3 pieces

Order Code: F6S1DR

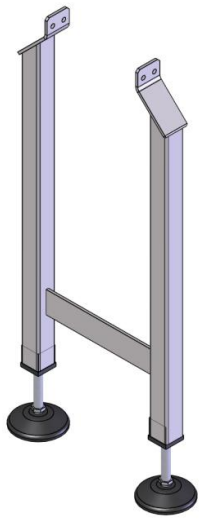
F6S1	F6S1D
	
X = required belt level	X = required belt level Y = L+18 mm (where L is the width of the belt)

F6S2D – F6S5D

F6S2D and F6S5D systems support are composed of a two-legged frame built with a painted iron or stainless steel square tubular of two different dimensions:

- 40x40 mm for F6S2D system
- 50x50 mm for F6S5D system

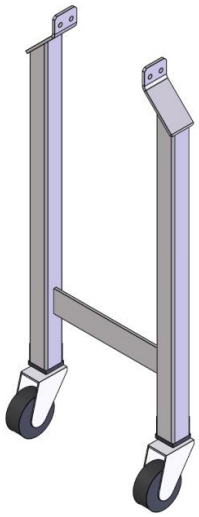
The feet at the base of the frame are in polyamide and are adjustable in height, with a maximum of ± 50 mm.
The 2 brackets for the support of the conveyor channel are welded directly on the frame. The channel is fastened on the brackets using the holes on the side of the profile, so the distance between the brackets is the width of the channel.
Both the models are suitable for every belt conveyor, independently of the width of the belt used: the frame will be custom built with the necessary size.
Standard feet don't have the anti vibrations rubber, but they can be predispose with the holes to fix the conveyor to the ground. Both the models can be assemble with wheels.
For the realization of support with a height not included in this standard range or with a wider regulation, please contact our Technical Department



Composition:

Square tubular frame 40x40 mm
PSR100 : 2 pieces

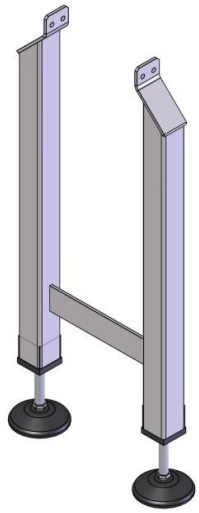
Order Code: F6S2D



Composition:

Square tubular frame 40x40 mm
RP80 : 2 pieces

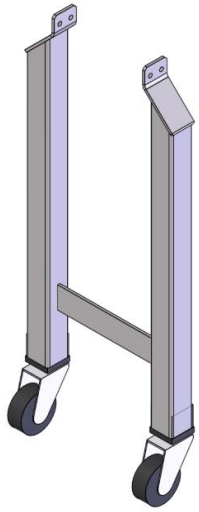
Order Code: F6S2DR



Composition:

Square tubular frame 50x50 mm
PSR100 : 2 pieces

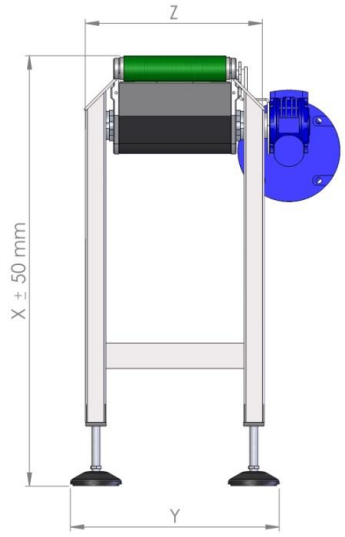
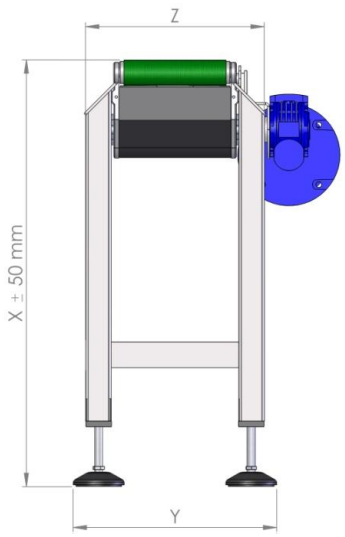
Order Code: F6S5D



Composition:

Square tubular frame 50x50 mm
RP80 : 2 pieces

Order Code: F6S5DR

F6S2D	F6S5D
	
X = required belt level Y = L+208 mm Z = L+150 mm (where L is the width of the belt)	X = required belt level Y = L+198 mm Z = L+150 mm (where L is the width of the belt)

F6S3

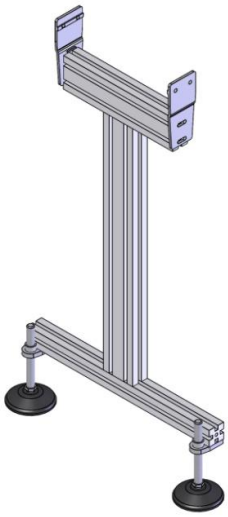
F6S3 system support is composed of two-legged frame built with a anodized aluminum profile of different dimensions:

- 40x40 mm and 80x40 mm for F6S3 system
- Only 40x40 mm for F6S3D system

The feet at the base of the frame are in polyamide and are adjustable in height, with a maximum of ± 50 mm.
The 2 brackets for the support of the conveyor channel are screwed directly on the frame, using the cavities on the profile. The channel is fastened on the brackets using the holes on the side of the profile, so the distance between the brackets is the width of the channel.
Every model is suitable for different belt conveyors, depending on the width of the chain that is used:

F6S3 simple model is suitable for belt conveyors within a maximum belt width of 250 mm
F6S3D model is suitable for belt conveyors with a belt width greater than 250 mm

Standard feet don't have the anti vibrations rubber, but they can be predispose with the holes to fix the conveyor to the ground. Both the models can be assemble with wheels.
For the realization of support with a height not included in this standard range or with a wider regulation, please contact our Technical Department

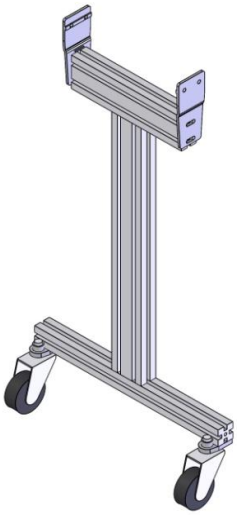


Composition:

Frame in aluminum profile

SFC20	: 2 pieces
BPSA4040	: 2 pieces
PS4040	: 1 piece
PS8040	: 2 pieces
PSR100	: 2 pieces

Order Code: F6S3

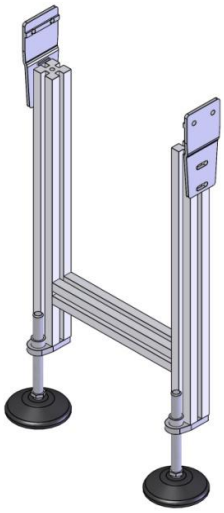


Composition:

Frame in aluminum profile

SFC20	: 2 pieces
BPSA4040	: 2 pieces
PS4040	: 1 piece
PS8040	: 2 pieces
RP80	: 2 pieces

Order Code: F6S3R

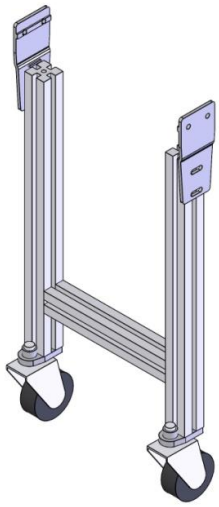


Composition:

Frame in aluminum profile 40x40 mm

SFC20	: 2 pieces
BPSA4040	: 2 pieces
PS4040	: 3 pieces
PSR100	: 2 pieces

Order Code: F6S3D

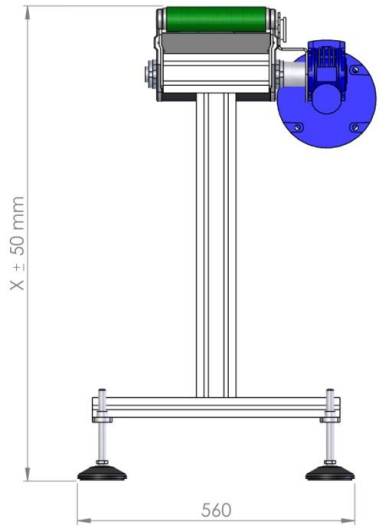
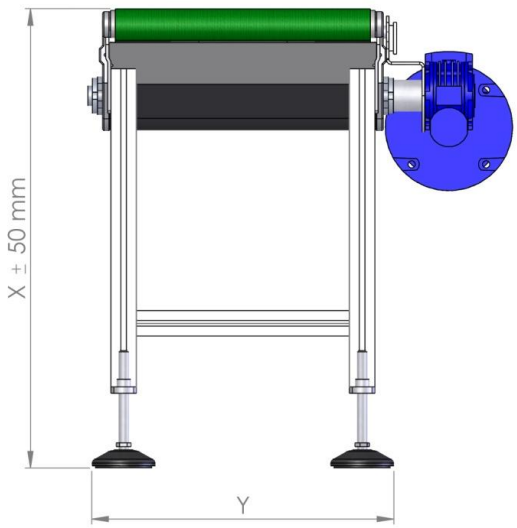


Composition:

Frame in aluminum profile 40x40 mm

SFC20	: 2 pieces
BPSA4040	: 2 pieces
PS4040	: 3 pieces
RP80	: 2 pieces

Order Code: F6S3DR

F6S3	F6S3D
	
X = required belt level	X = required belt level Y = L+74 mm (where L is the width of the belt)

HOW TO WRITE THE ORDER CODES FOR CONVEYOR SUPPORT SYSTEMS	
Description	**Order Code**
Support type	F6S1 F6S1R F6S1D F6S1DR F6S2D F6S2DR F6S3 F6S3R F6S3D F6S3DR F6S5D F6S5DR
Material (if available)	Stainless Steel: X
Belt width	W (width in mm)
Belt plan height	H followed from the height measure of the belt plan in mm

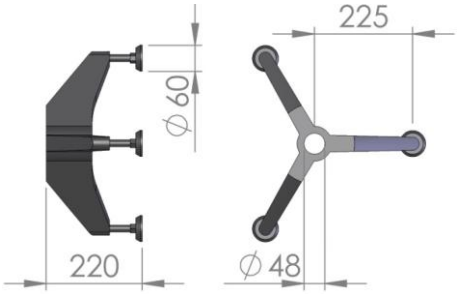
Example:
F6S5D support in stainless steel height 915 mm for a belt 200 mm wide
Cod: F6S5D-X-W200-H915

Conveyor support accessories

Support base with feet

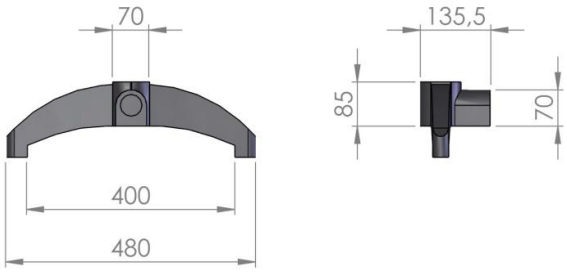
Material : Reinforced polyamide
Colour : Black
Packaging : 8 pieces

Order Code: GF50



Material : Reinforced polyamide
Colour : Black
Packaging : 8 pieces

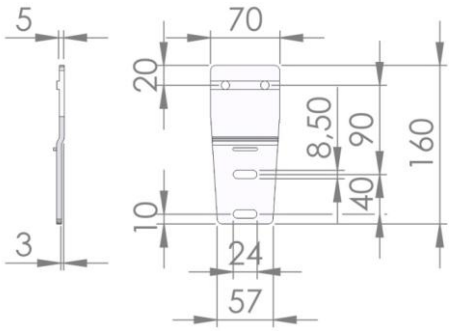
Order Code: GF70



Channel fastening bracket

Material : Sanded aluminum
Packaging : 10 Pieces

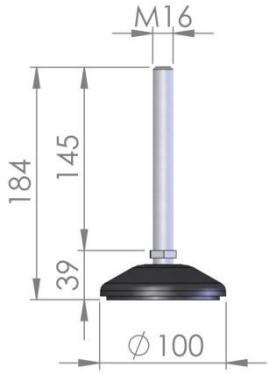
Order Code: SFC20



Support feet

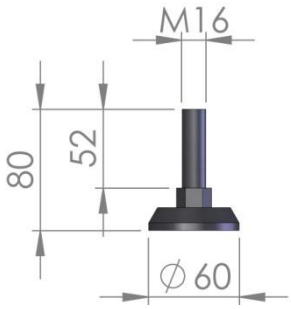
Material : Galvanized steel and Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: PSR100



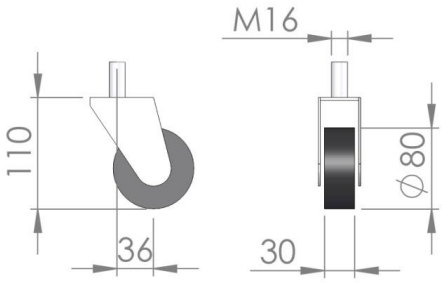
Material : Galvanized steel and Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: PSR60



Material : Galvanized steel and rubber
Packaging : 1 piece

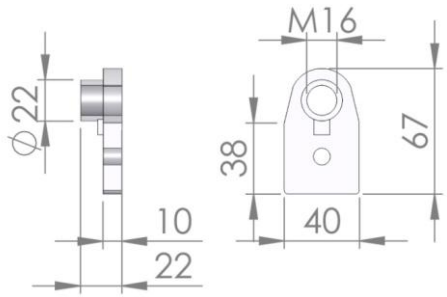
Order Code: RP80



Sanded aluminum bases

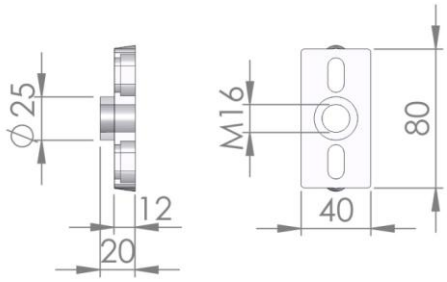
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: BPSA4040



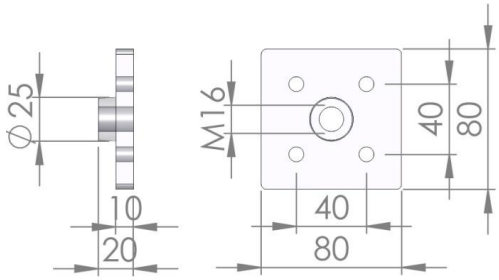
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: BPSA8040



Material : Sanded aluminum
Packaging : 10 Pieces

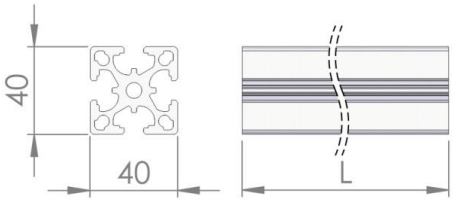
Order Code: BPSA8080



Support profiles

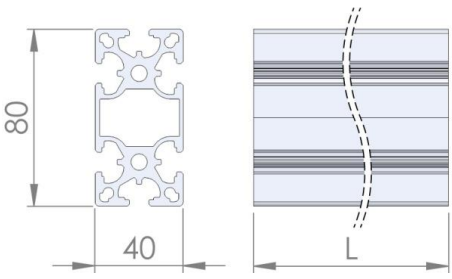
Material : Anodized aluminum
Length : 3÷6 meters in bars

Order Code: PS4040



Material : Anodized aluminum
Length : 3÷6 meters in bars

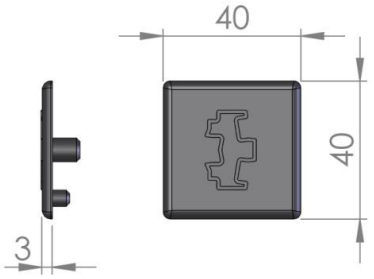
Order Code: PS8040



Profile cap

Material : Polyamide
Colour : Black
Packaging : 10 pieces

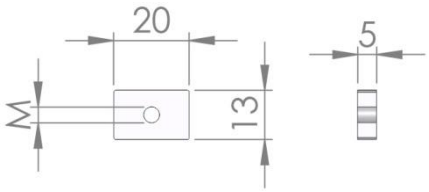
Order Code: TC4040



Square nuts

Material : Galvanized steel
Stainless steel
Packaging : 100 pieces

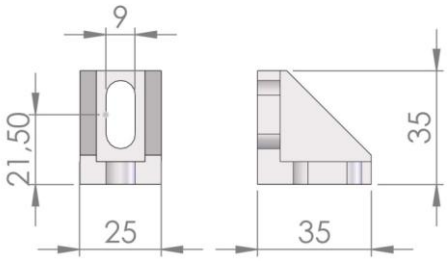
Order Code: DRM4/5/6/8



Connecting angles

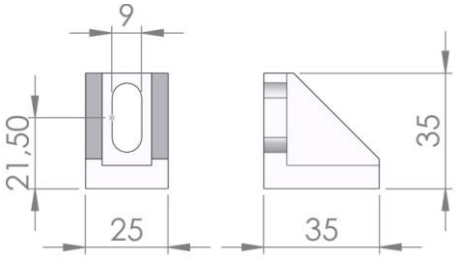
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3525



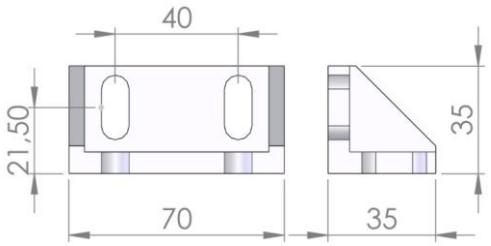
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3525C



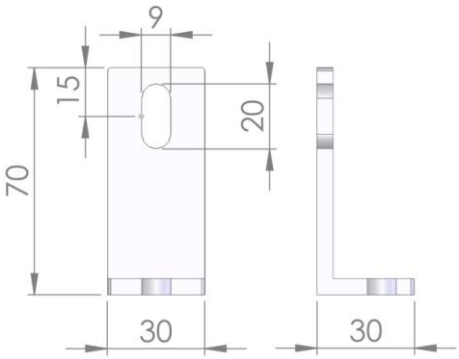
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3570



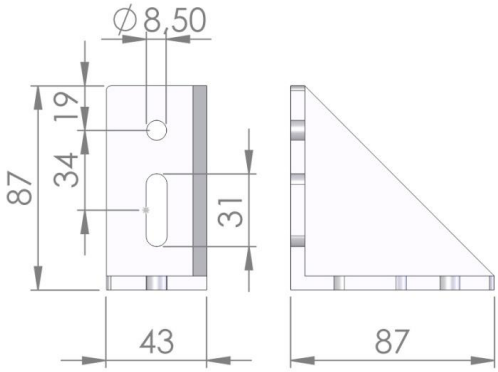
Material : Anodized aluminum
Packaging : 10 Pieces

Order Code: AC3070



Material : Sanded aluminum
Packaging : 10 Pieces

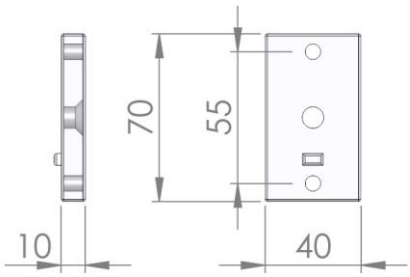
Order Code: AC4387



Profile joining plate

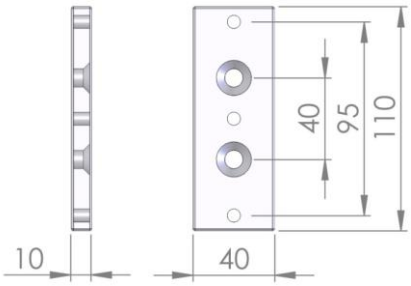
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: PG4040



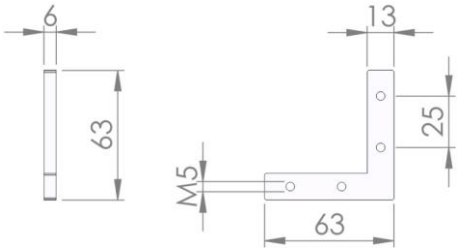
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: PG8040



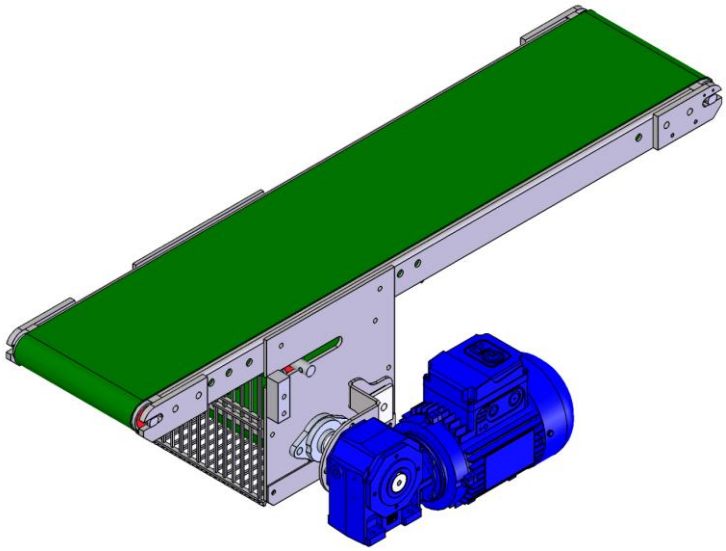
Material : Galvanized steel
Packaging : 10 Pieces

Order Code: PG630/45/60/90



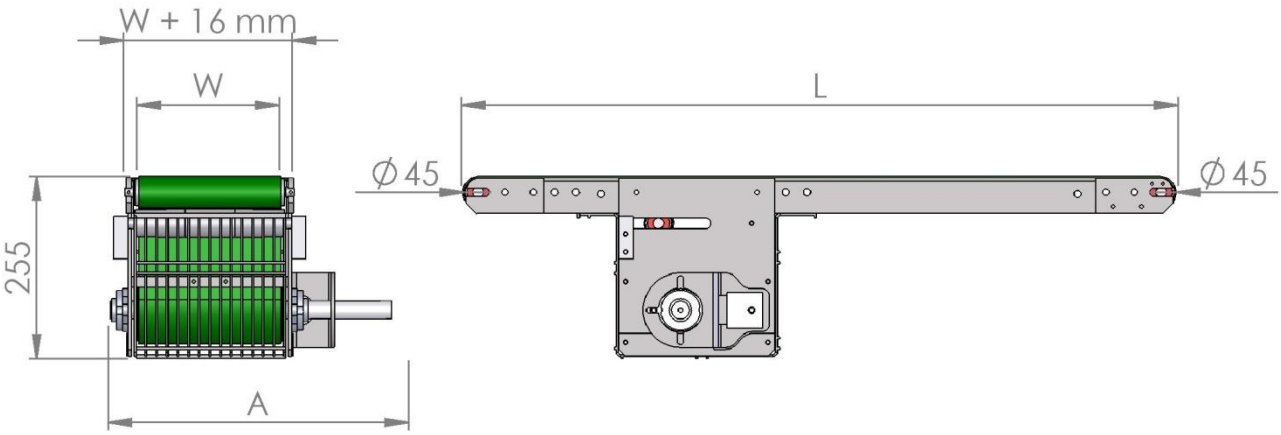
Stainless steel F6

For lines in which the conveyor touches the naked product or where it is necessary that the conveyor channel not have slots or for specific requests, a version of F6 TCP4545 made in stainless steel is available.



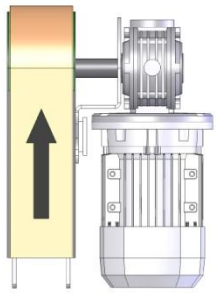
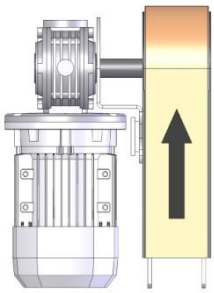
Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4, 12.5, 19.5, 35, 50
Width	: 60 mm÷400 mm
Length	: 6000 mm max
Max Load	: 35 Kg



W = Belt width
A = Volume depending to the motor gear type
L = Conveyor length

HOW TO WRITE THE ORDER CODES FOR STAINLESS STEEL F6 MODULE

Description	Order Code	
Motor drive type	Stainless steel central suspend end : F6 TCPX 4545	
Drive side	Right: D 	Left: S 
Belt width	W (width in mm)	
Blet length	L (length in mm)	
Motor gear type	Bonfiglioli MVF49 Bonfiglioli W63 SEW WA20 SEW WA30	
Motor gear presence	Yes: Y No: N	
Belt type	Low friction rough belt : N1 o N4 Spreaded belt for low slopes : N2 o N5 Belt for phase conveyors or high slopes : N3 o N6	

If purchasing the drive unit with your order, please specify the required speed at the time of ordering.

Example:
Right suspended central motor drive with Ø 45 mm rollers and SEW WA30 motor gear included and belt for high slopes 200 mm wide and 2000 mm long

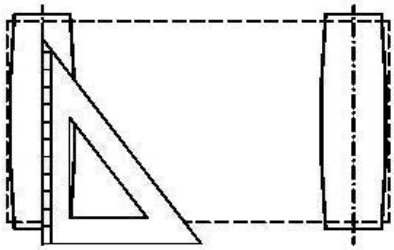
Cod: F6TCPX4545-D-W200-L2000-WA30-N3

How to use belt conveyors with end motor drive

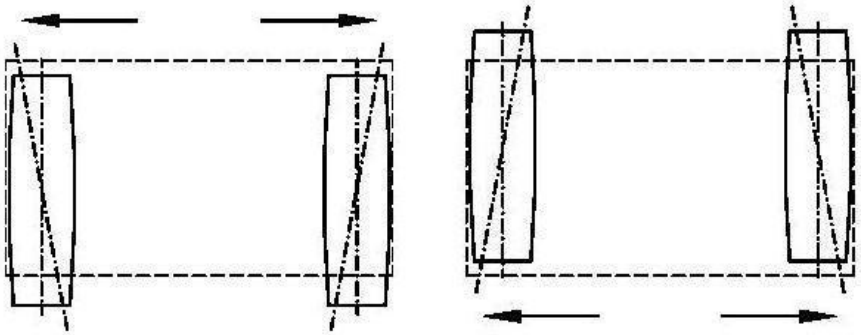
1. Prior to start-up the system verify correspondence between motor data and electrical power supply data.
2. Verify that no foreign objects are inside the conveyor
3. At the start-up the conveyor should not travel in a different direction than the one it has been designed for. Verify travelling movement of belt which should run centred onto the drums. It is suggested to do so because the system could have been damaged during transport which could take to lateral drifts causing unthreading of the belt.
4. Limits load to what foreseen by constructor.

How to centring the belt

To assure a correct function on any belt conveyor it is very important to verify that the drums are perpendicular to the side beam.

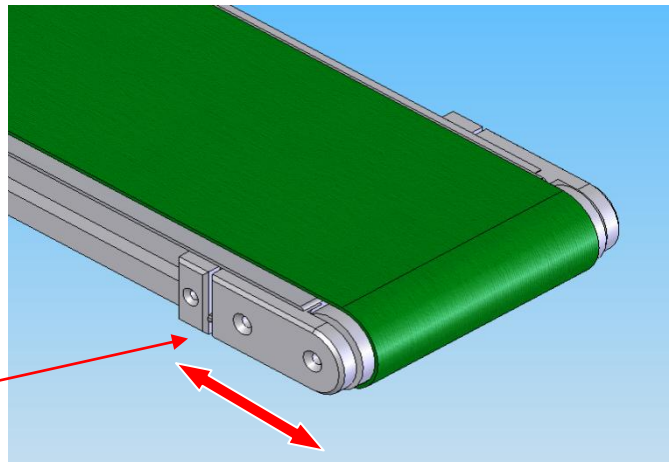


Start-up the unloaded conveyor. Tension the side where the belt is drifting to by acting on the adjustable plates as shown in picture.



Necessary tools :

1. Socket head screwdriver n°4
2. Socket head screwdriver n°3
3. Hexagon wrench n°10



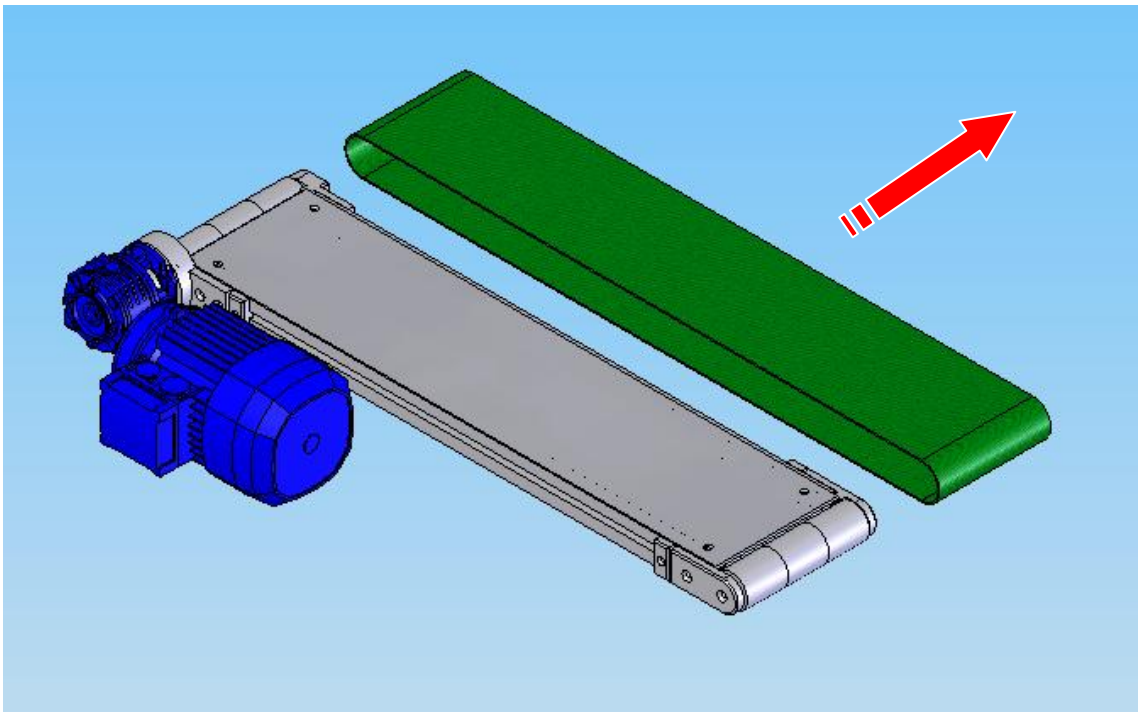
- Loose the nuts (With the Allen key 3) and slowly adjust until the belt is perfectly centred
- Keep the conveyor running and verify that the belt maintains a centred positions on the driving drum.
- Once centred the belt repeat the same procedure on both idler drums

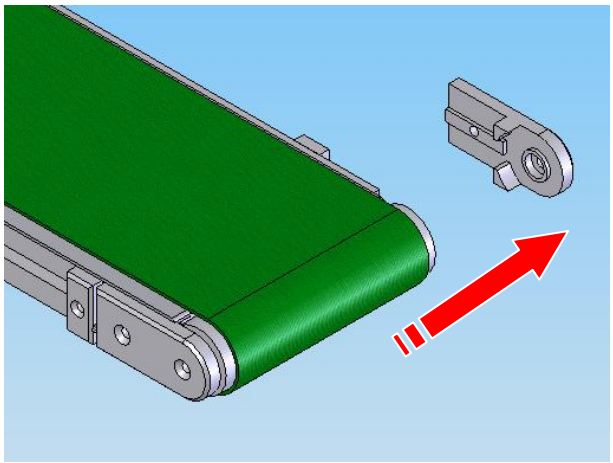
How to replace the belt

1. Unloose completely the tension registers.
2. Take off the old belt and change it with the new one.
3. Reassemble all the components following the previous points in the opposite manner.
4. Tension and centre the belt following the instructions in the previous page.

Necessary tools :

1. Socket head screwdriver n°4



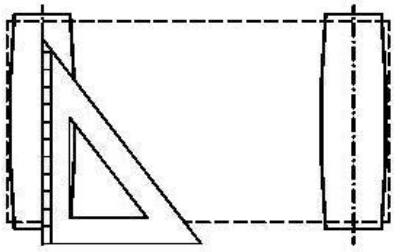


How to use belt conveyors with central motor drive

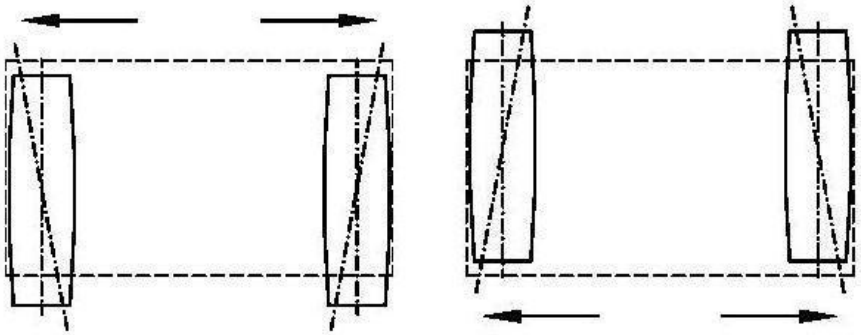
1. Prior to start-up the system verify correspondance between motor datas and electrical power supply datas.
2. Verify that no foreign objects are inside the conveyor
3. At the start-up the conveyor should not travel in a different direction than the one it has been designed for. Verify travelling movement of belt which should run centered onto the drums. It is suggested to do so because the system could have been damaged during transport which could take to lateral drifts causing unthreading of the belt.
4. Limits load to what foreseen by constructor.

How to centring the belt

To assure a correct function on any belt conveyor it is very important to verify that the drums are perpendicular to the side beam.

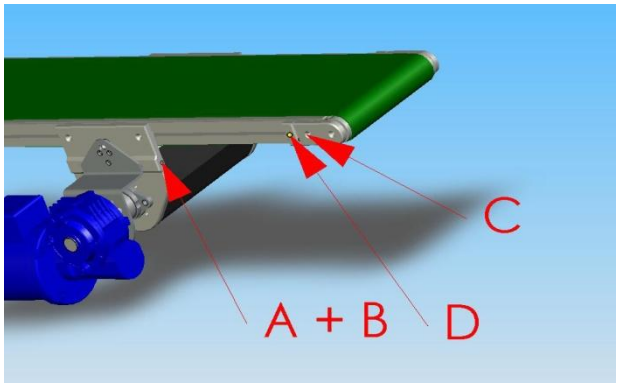


Start-up the unloaded conveyor. Tension the side where the belt is drifting to by acting on the adjustable plates as shown in picture.



Necessary tools :

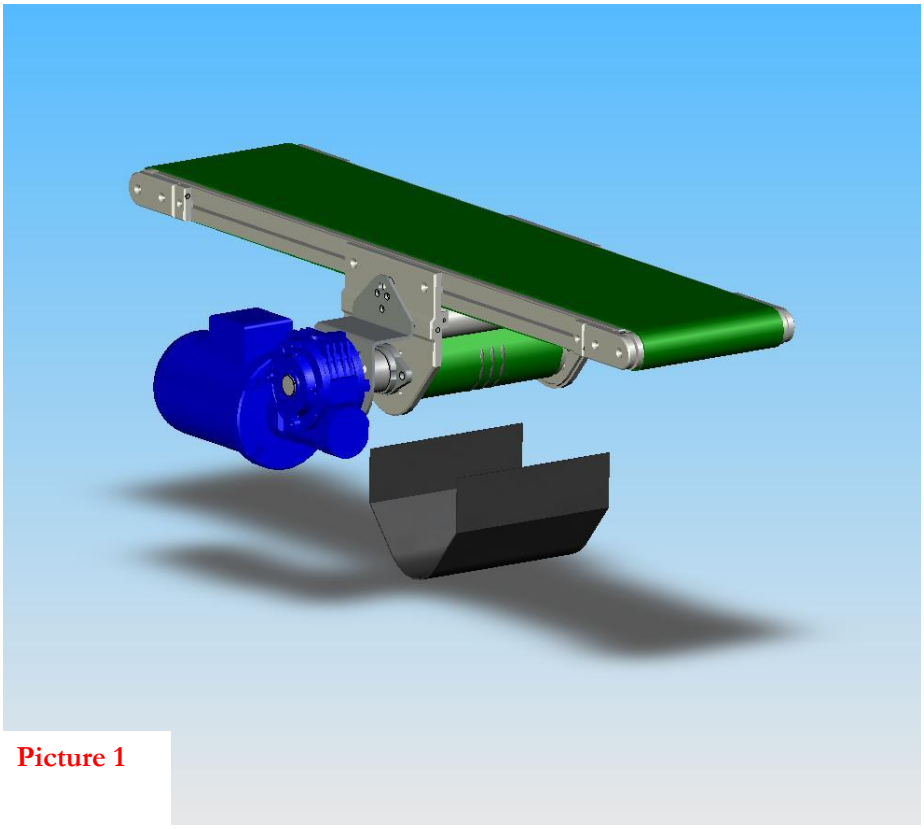
1. Socket head screwdriver n°4
2. Socket head screwdriver n°3
3. Hexagon wrench n°10
4. Cross screwdriver



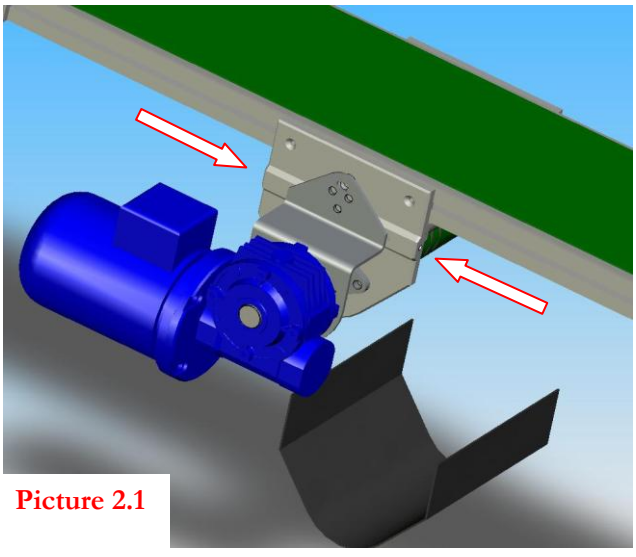
- Using the cross screwdriver remove the safety guard on the central drive unit.
- Loose the nuts “A” and slowly adjust until the belt is perfectly centered moving the grub screw “B” as shown in the picture 2.
- Keep the conveyor running and verify that the belt maintains a centered positions on the driving drum.
- Once centered the belt repeat the same procedure on both idler drums.
- Loose nuts “C” and slowly adjust until the belt is perfectly centered moving the grub screw “D” as shown in the picture 2.
- Keep the conveyor running and verify that the belt maintains a centered positions on the drums. Then tighten nut “C”.
- Reassemble the safety guard on the drive unit.

How to replace the belt

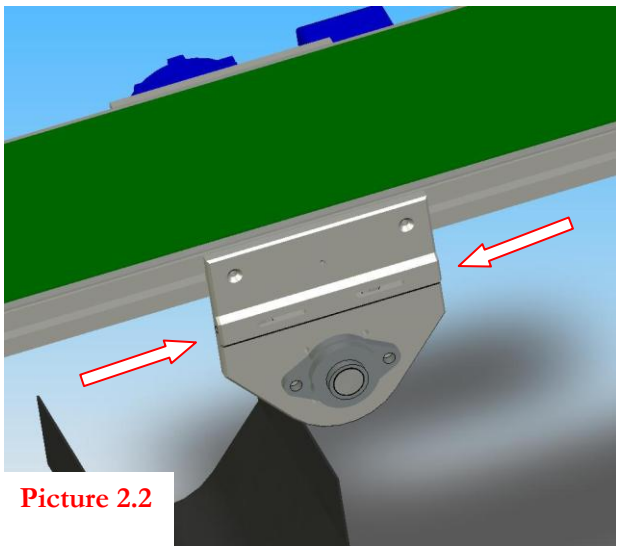
1. Remove safety guard under the drive unit.. (Picture 1)
2. Unloose completely the tension registers (Pictures 2.1 + 2.2)
3. Unloose completely the holding screws of the drive unit's frame opposite to the gearbox side. (Picture 3)
4. Allentare completamente le viti di fissaggio testata al canale dal lato opposto al motore. (Picture 4)
5. Take out the frame and the tension rollers. Be carefully at the rollers fall. (Picture 5)
6. Take off the old belt and change it with the new one.
7. Riassemble all the components following the previous points in the opposite manner.
8. Riassemble all the components following the previous points in the opposite manner.



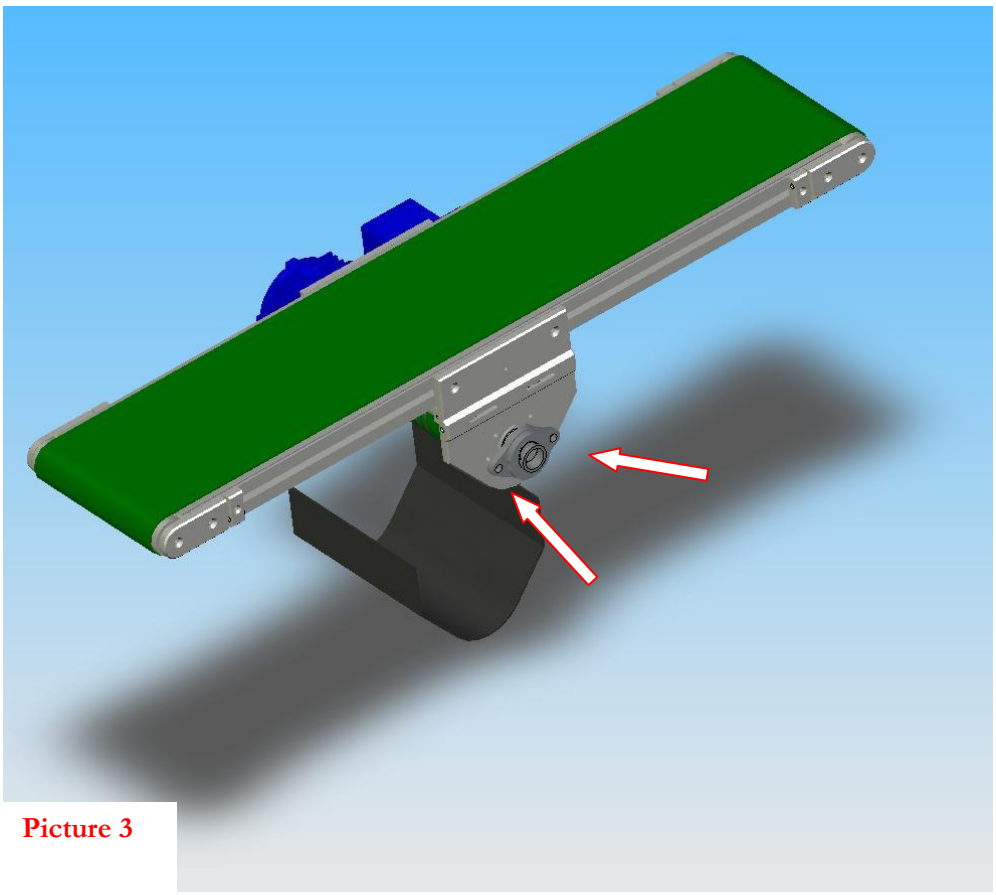
Picture 1



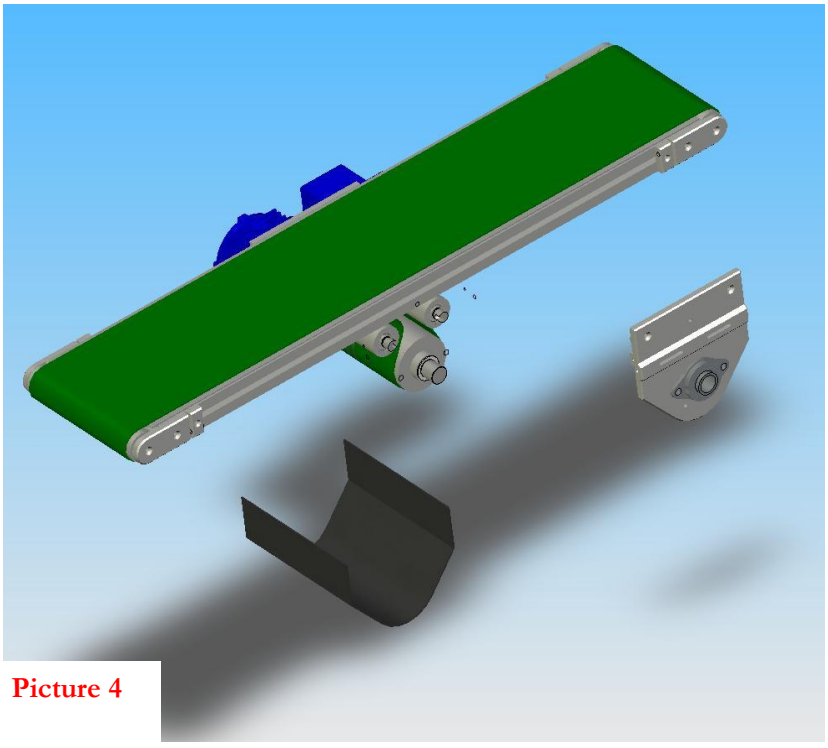
Picture 2.1



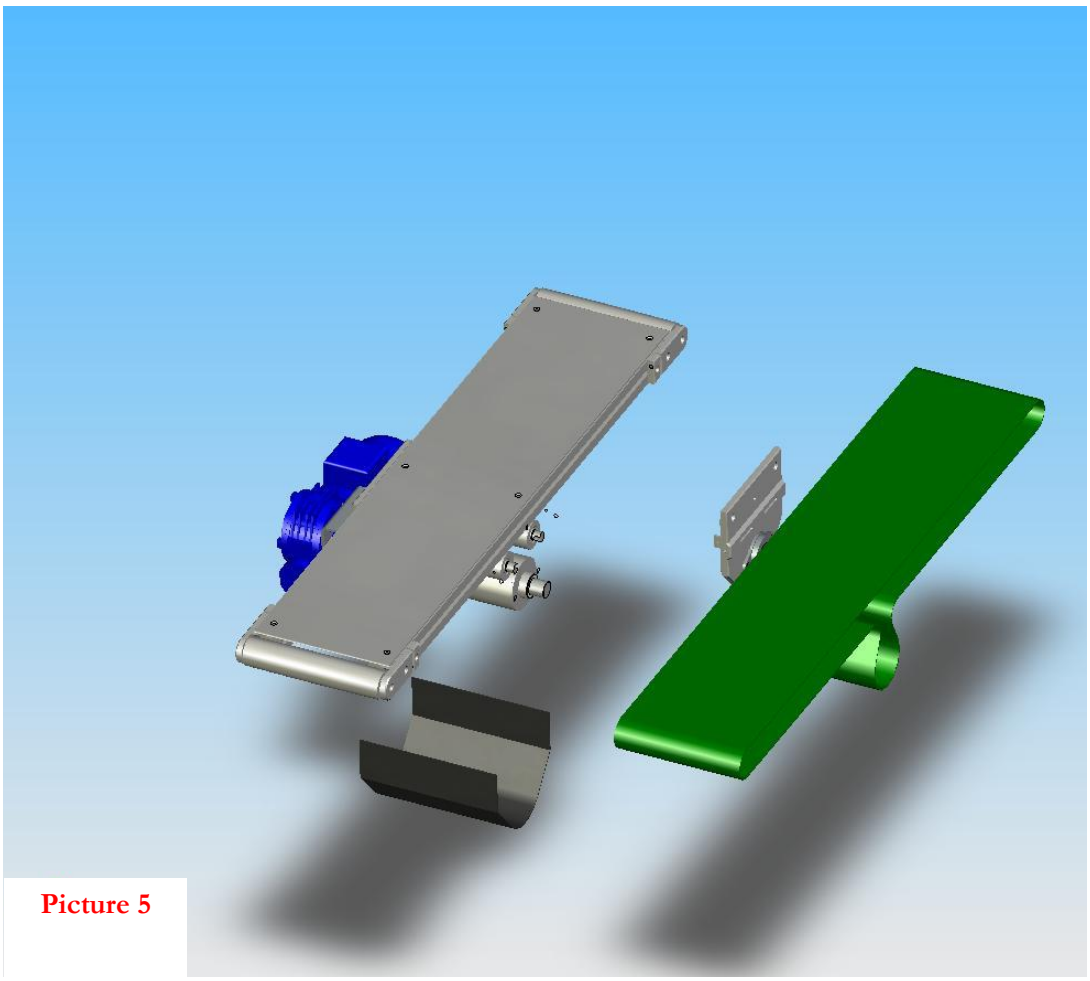
Picture 2.2



Picture 3



Picture 4



Picture 5