Summary

F7 is a belt conveyor conceived with modular design for medium-heavy load

Suitable for the transportation of boxes and parts between from one machine or work station to another, has a maximum work load of 200 Kg*. Its speed can reach 60 m/min* in function of the installed motor gear and the conveyor dimensions.

F7 is a belt conveyor system, suitable for food industry and not, ideal for the transportation of products with great dimensions.

F7 is an Italian product that can offer flexible solutions to a wide range of needs in the product handling process.

F7 was designed to be easy to use, both by plant and machine builders and by companies that need to handle products.

F7 is a practical system, that allows to use a vast range of accessories and standard components available on the market.

F7 interfaces easily with other systems and allows to reuse different elements of related components.

Technical Data*

- **Product dimensions: 100÷600 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: 200 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 for TEP conveyors, 12 m for TCP conveyors
  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 depends on the type of motorization installed:
  - BELT CONVEYOR WITH END MOTOR DRIVE (F7 TEP90 and F7 TER90): Lx2 + 116 mm
  - BELT CONVEYOR WITH CENTRAL MOTOR DRIVE (F7 TCP90 and F7 TCR90): Lx2 + 514 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 3 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


PHARMACEUTICAL PRODUCTS

Standard modules belts

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

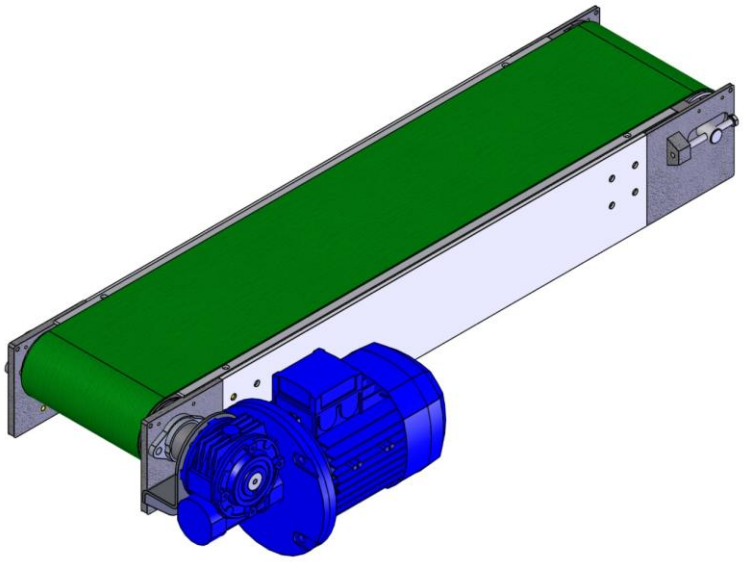
N2
2 canvas smooth spreaded with good surface endurance and maximum thickness, low friction for small accumulation, suitable for low slope and the transportation of metal particulars

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

Standard modules

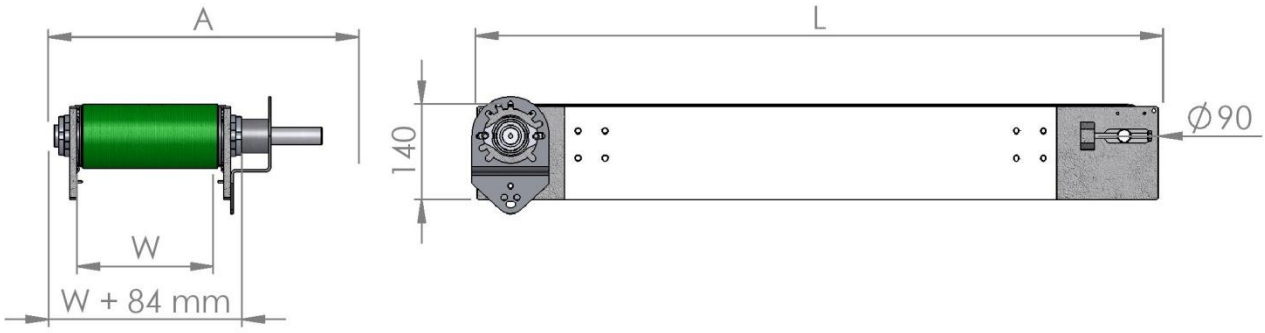
Suspended end motor drive (TEP90)

Belt conveyor with left/right suspended end motor drive with idle return roller Ø 90 mm

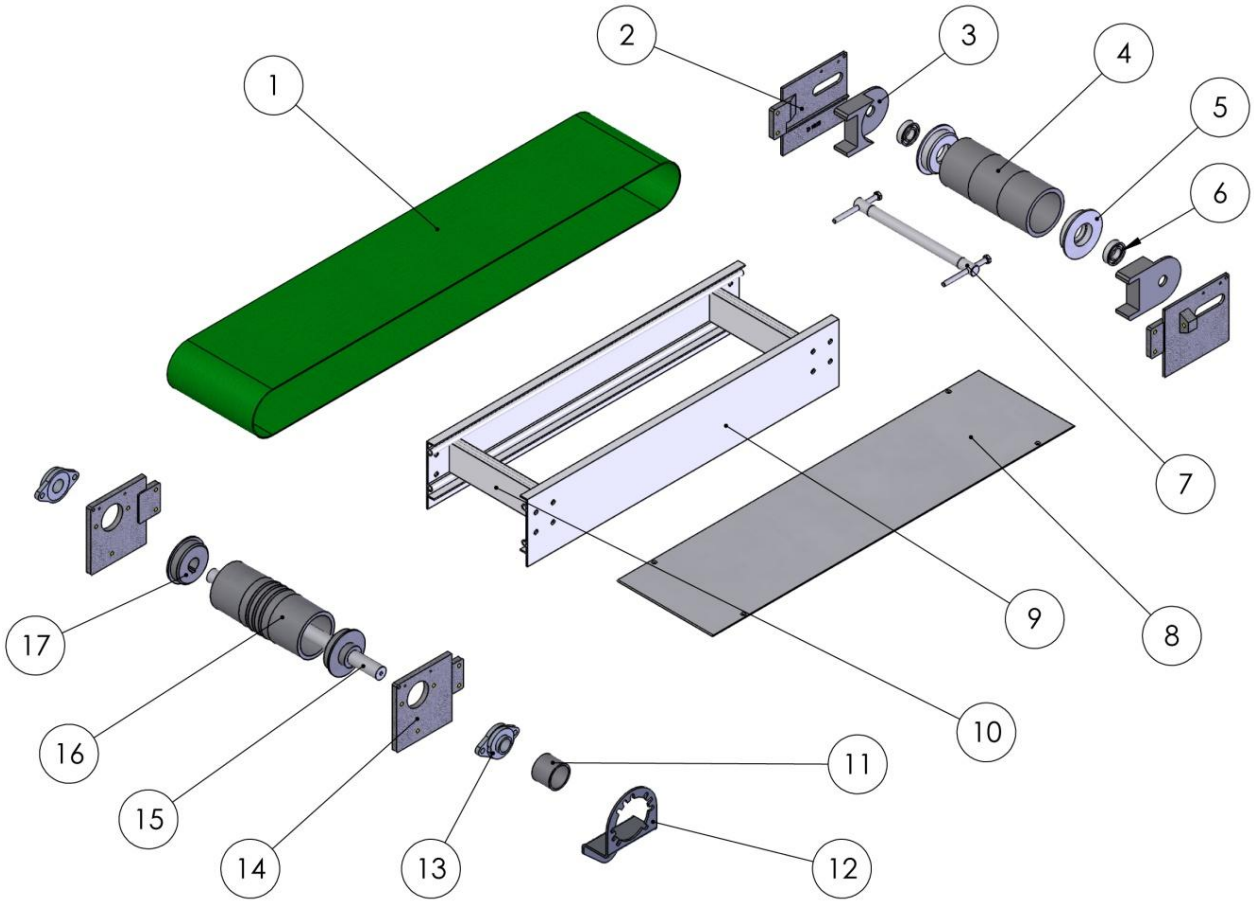


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 5, 14, 22, 39.5, 56
Width	: 100 mm÷800 mm
Length	: 6000 mm max



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



Article Number	Description	Article Code
1	BELT	
2	RETURN END PLATE	P12542 SX P12542 DX
3	RETURN END PROTECTION	P12309
4	RETURN ROLLER Ø 90 mm	**
5	RETURN ROLLER PROTECTION	
6	BEARING	6004-2RS
7	RETURN ROLLER SHAFT	**
8	SLIDING PLAN	**
9	ANODISED ALUMINUM PROFILE SIDE	60172
10	INTERNAL SPACER	60171
11	DRIVE SHAFT BELL	
12	STAINLESS STEEL REACTION LEVER	*
13	DRIVE SUPPORT	UFL-005
14	END DRIVE PLATE	P12546 SX P12546 DX
15	DRIVE SHAFT	**
16	RUBBERED DRIVE ROLLER Ø 90 mm	**
17	DRIVE ROLLER BELL	

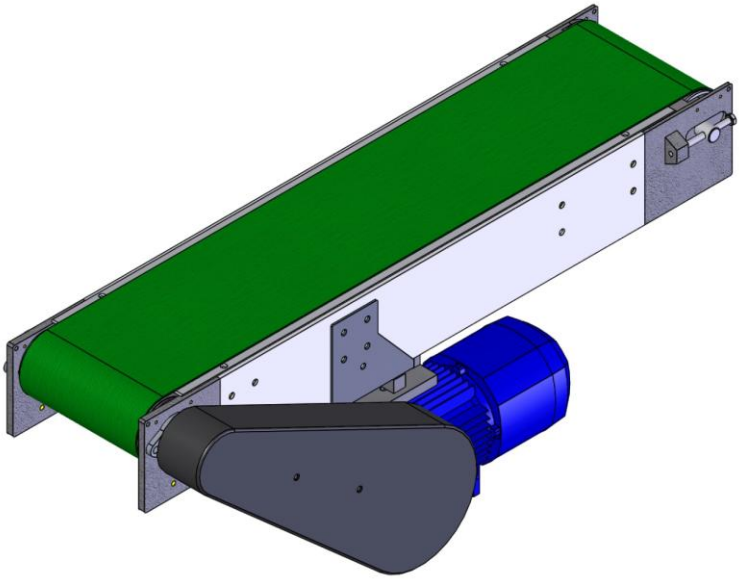
* Depends on the motor type
** Depends on conveyor dimensions

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

Transferred end motor drive (TER90)

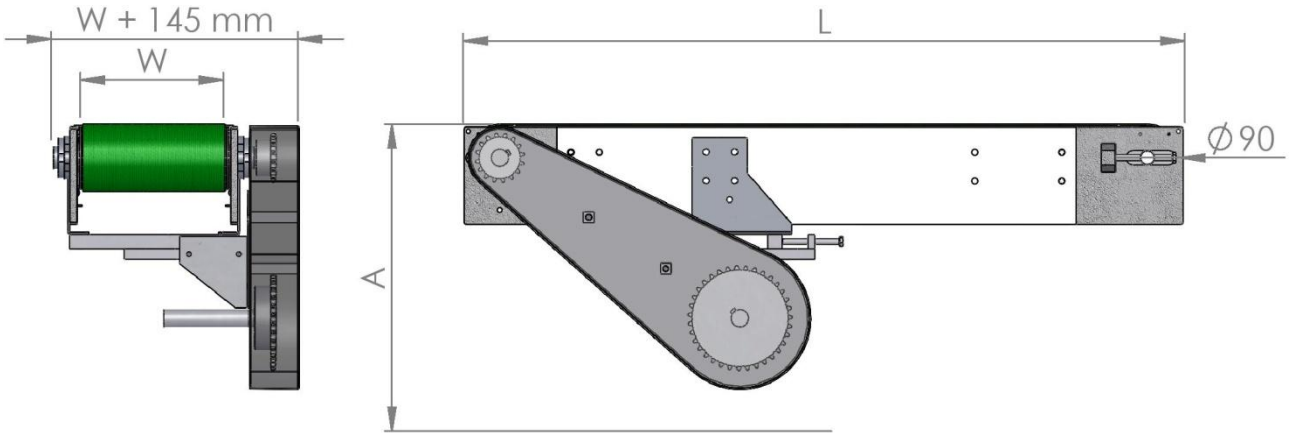
The transferred drive kit allows to move the position of the gear motor with respect to the axis of the drive sprocket. These are commonly used when it is necessary to reduce the space occupied by the end motor drive unit.

Transmission belt tension is regulated by using the available space in the slots on the support plate of the motor unit. The transmission has a suitable safety protection which must always be in its place when the conveyor is moving.

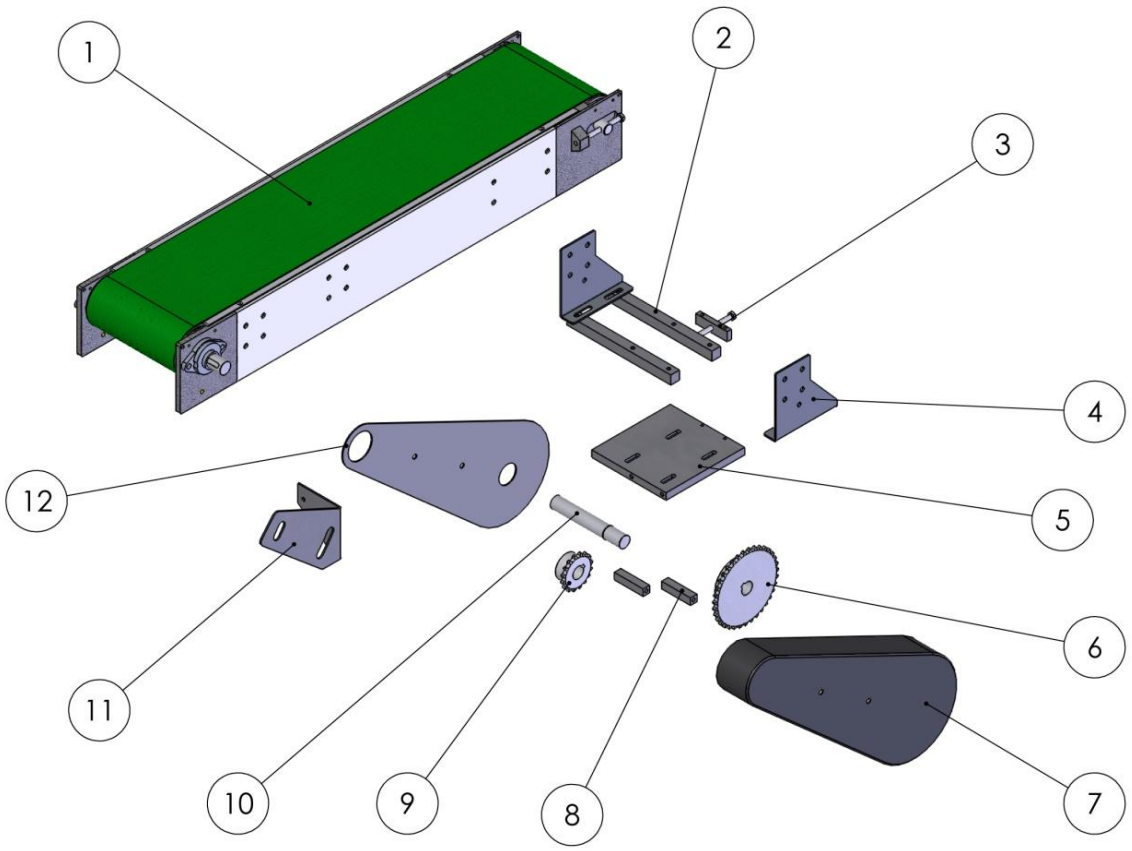


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 5, 14, 22, 39.5, 56
Width	: 100 mm÷800 mm
Length	: 6000 mm max



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



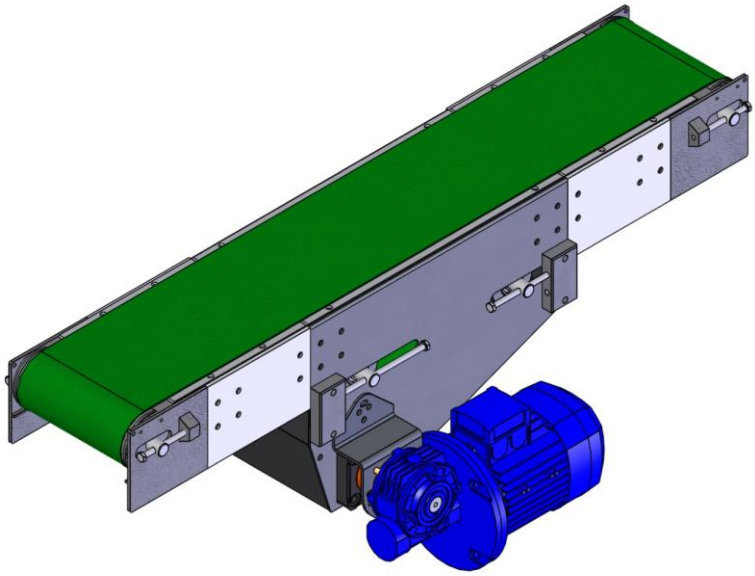
Article Number	Description	Article Code
1	F7 TE	
2	TRANSFERRED GROUP SPACER	**
3	FASTENING BLOCK	
4	TRANSFERRED GROUP FASTENING BRACKET	F5TM09
5	TRANSFERRED GROUP SLIDE	*
6	SPROCKET	*
7	PROTECTION	
8	PROTECTION SPACER	MFPM013
9	SIMPLE SPROCKET	
10	DRIVE SHAFT	*
11	TRANSFERRED GROUP FASTENING BRACKET	
12	REAR LOCK PROTECTION	

* 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.

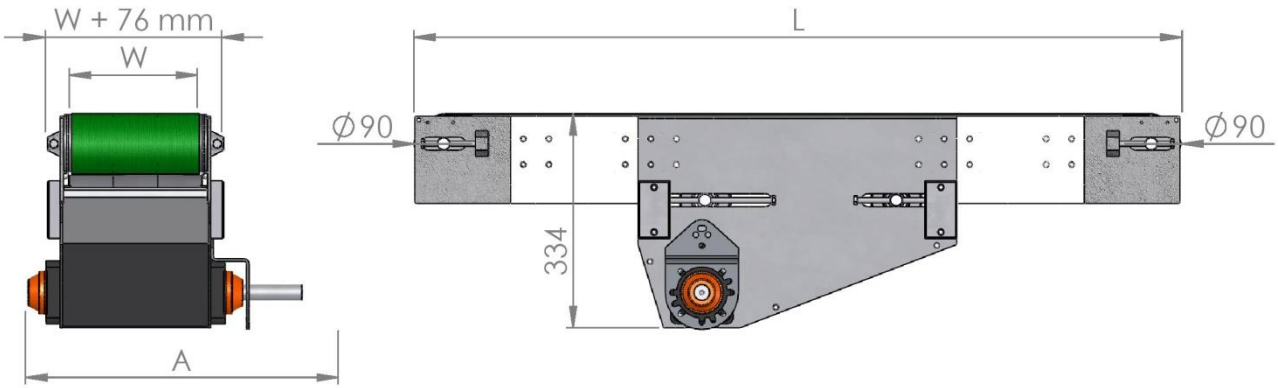
Central suspended motor drive (TCP90)

Central left/right suspended motor drive with idle return rollers Ø 90 mm.
The central motor drive can be installed at any point along the conveyor. and is directly connected to the belt drive roller.

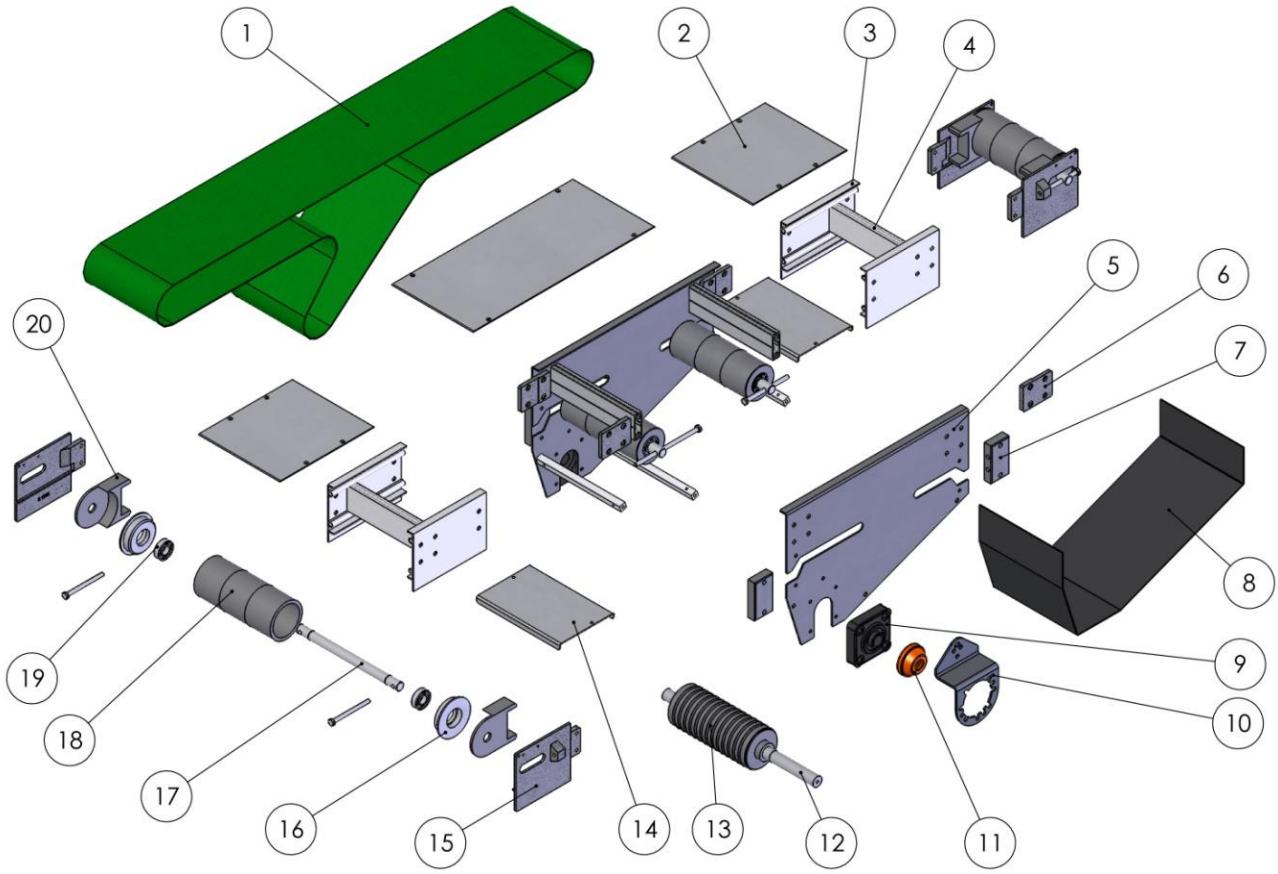


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 5, 14, 22, 39.5, 56
Width	: 100 mm÷800 mm
Length	: 1200 mm÷12000 mm



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	ANODISED ALUMINUM SIDE PROFILE	60172
4	INTERNAL SPACER	60171
5	CENTRAL DRIVE PLATE	
6	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
7	TENSIONING BLOCK	
8	CENTRAL DRIVE PROTECTION	
9	POLYAMMIDE FLANGE SUPPORT	55205 VR-EC
10	STAINLESS STEEL REACTION LEVER	*
11	SAFETY CAP	
12	DRIVE SHAFT	*
13	RUBBERED DRIVE ROLLER	**
14	RETURN TRACK PROTECTION	**
15	RETURN ROLLER PLATE	P12542 SX P12542 DX
16	RETURN ROLLER BELL	
17	RETURN ROLLER SHAFT	**
18	RETURN ROLLER Ø 90 mm	**
19	BEARING	6004-2RS
20	RETURN PROTECTION	P12309

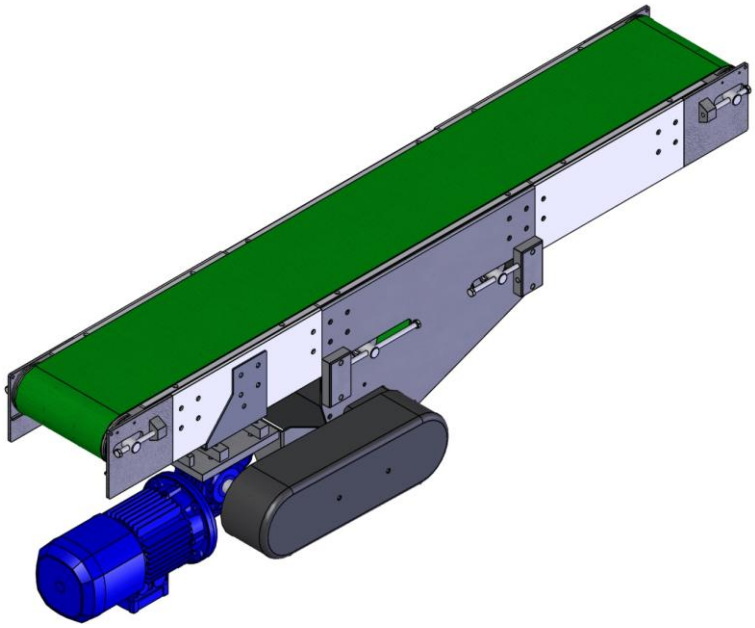
* Depends on the motor type
** Depends on conveyor dimensions

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

Central transferred motor drive (TCR90)

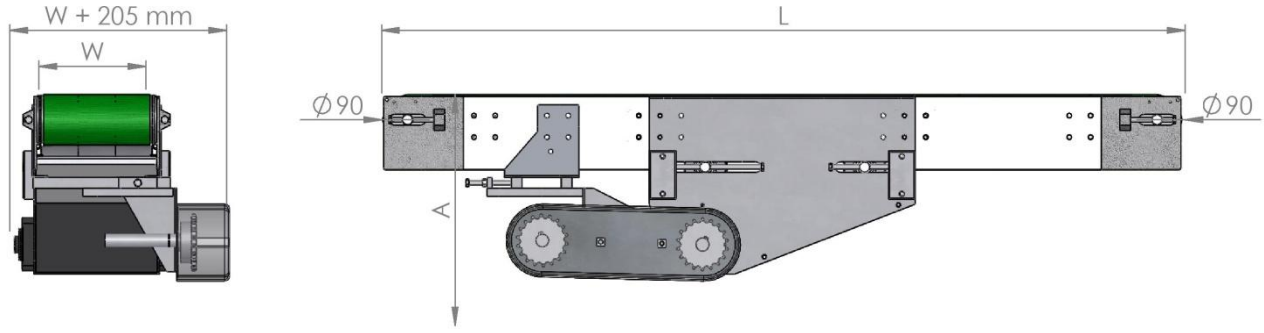
The transferred drive kit allows to move the position of the gear motor with respect to the axis of the drive sprocket. These are commonly used when it is necessary to reduce the space occupied by the end motor drive unit.

Transmission belt tension is regulated by using the available space in the slots on the support plate of the motor unit. The transmission has a suitable safety protection which must always be in its place when the conveyor is moving.

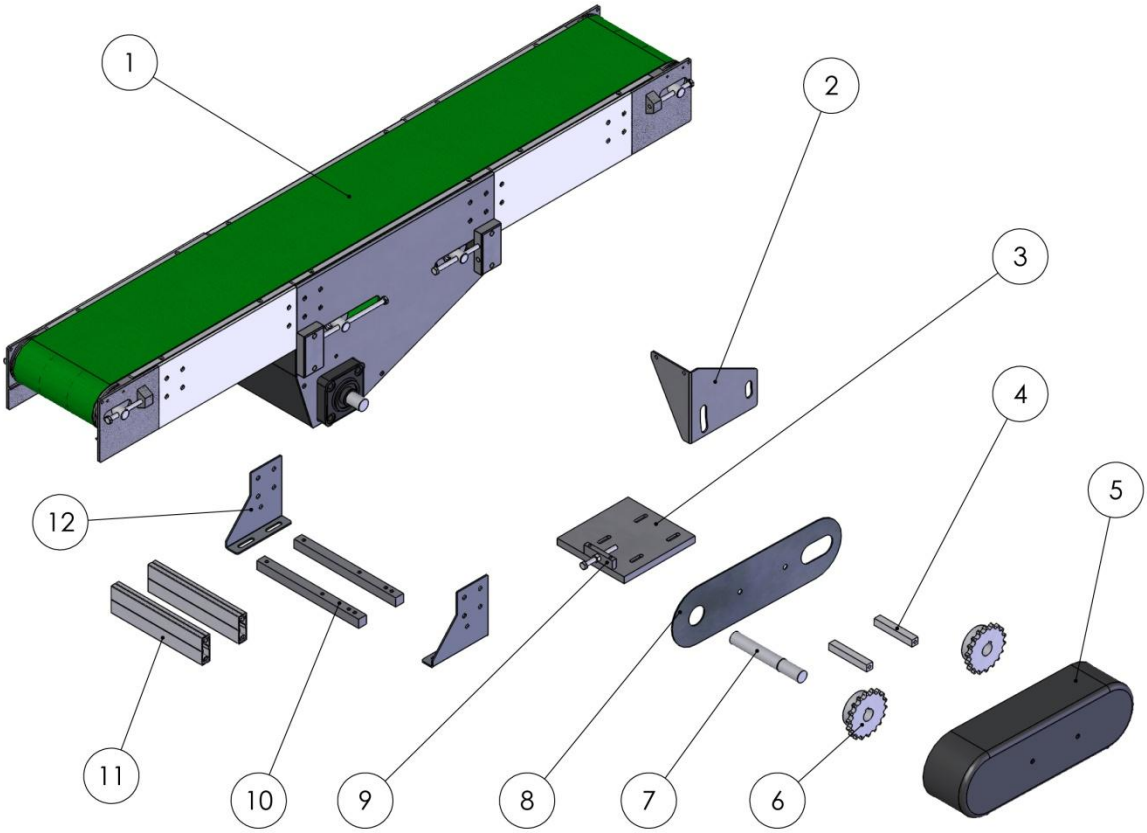


Technical specifications:

Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 5, 14, 22, 39.5, 56
Width	: 100 mm÷800 mm
Length	: 1500 mm÷12000 mm



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

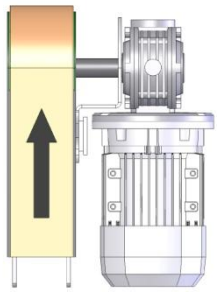
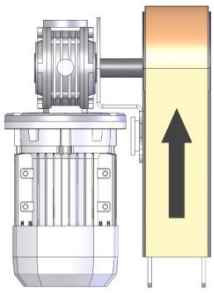


Article Number	Description	Article Code
1	F7 TC	
2	TRANSFERRED GROUP FASTENING BRACKET	
3	TRANSFERRED GROUP SLIDE	*
4	PROTECTION SPACER	MFPM013
5	PROTECTION	
6	SIMPLE SPROCKET	*
7	DRIVE SHAFT	*
8	REAR LOCK PROTECTION	
9	FASTENING BLOCK	
10	TRANSFERRED GROUP SPACER	**
11	INTERNAL SPACER	60171
12	TRANSFERRED GROUP FASTENING BRACKET	F5TM09

* 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 STANDARD MODULES

Description	Order Code	
Motor drive type	Suspended end : F7 TEP Transferred end : F7 TER Central suspend end with Ø 90 mm rollers : F7 TCP 90 Central transferred end with Ø 90 mm rollers : F7 TCR 90	
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 Spreaded belt for low slopes : N2 Belt for phase conveyors or high slopes : N3	

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 90 mm rollers and SEW WA30 motor gear included and belt for high slopes 400 mm wide and 4000 mm long

Cod: F7TCP90-D-W400-L4000-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

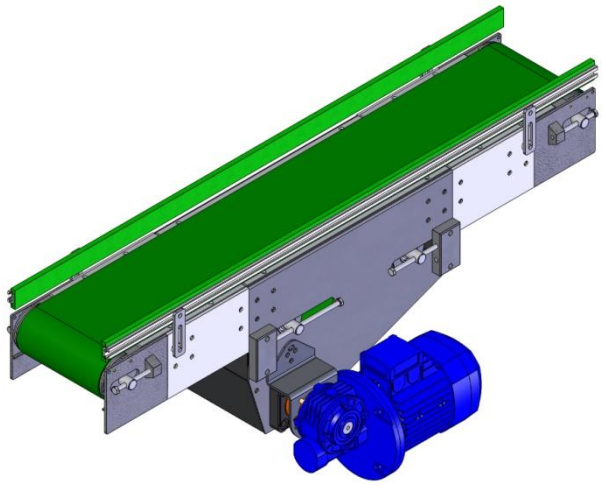
Lateral guides

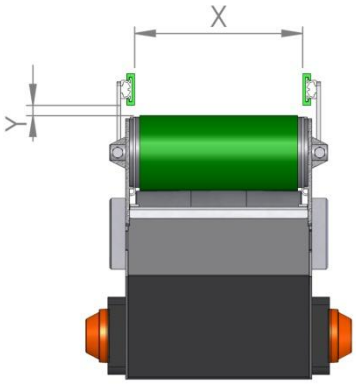
F7 is an open system that allows to use several types of supports and lateral guides found on the market.

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

F7 GPF1





Composition (per channel meter):

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

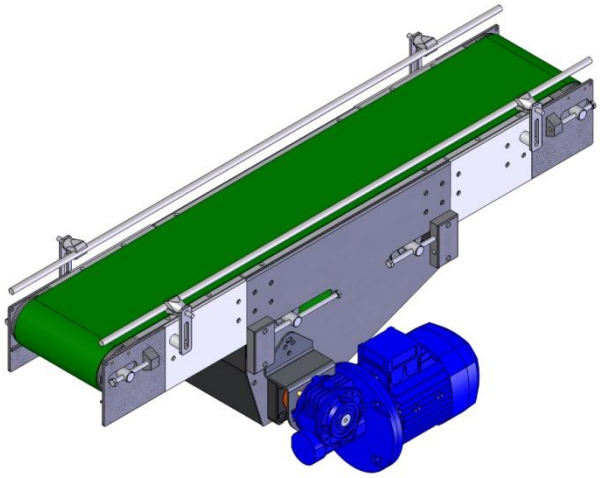
Clearance:

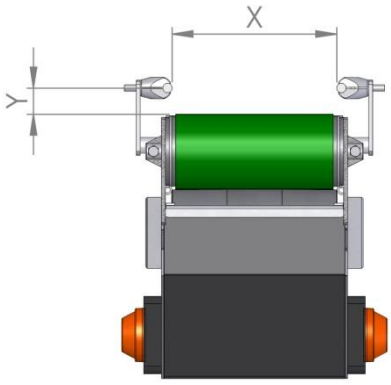
X	: L+13 mm minimum*
Y	: 3 ÷ 13 mm*

(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.

F7 GPF3





Composition (per channel meter):

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

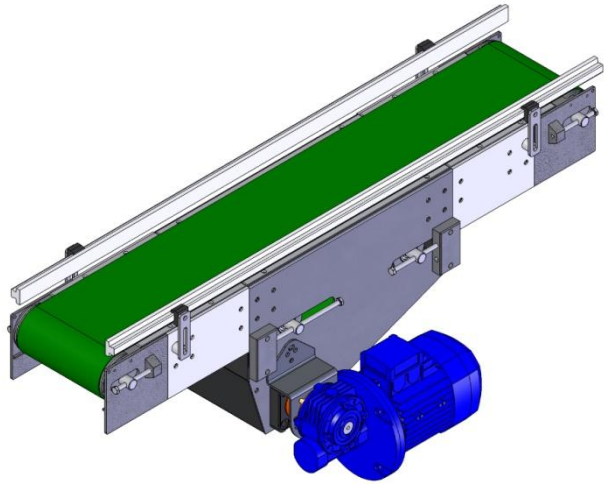
Clearance:

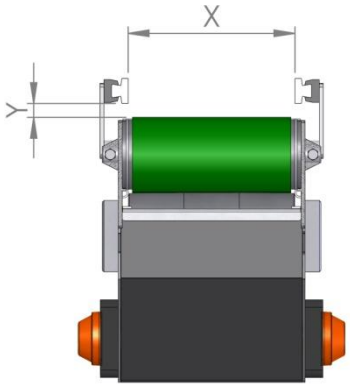
X	: L-32 mm minimum*
Y	: 15 ÷ 33 mm*

(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.

F7 GPF6





Composition (per channel meter):

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

Clearance:

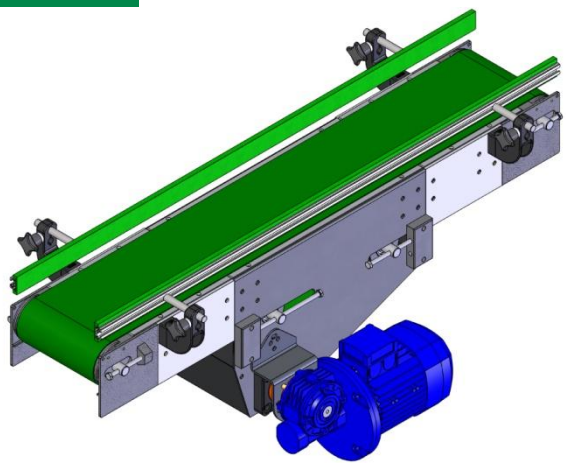
X	: L-56 mm minimum*
Y	: 3 ÷34 mm*

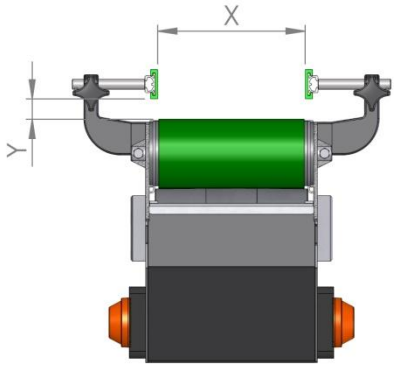
(where L is the width of the belt)

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

Guide regolabili

F7 GPR4





Composition (per channel meter):

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

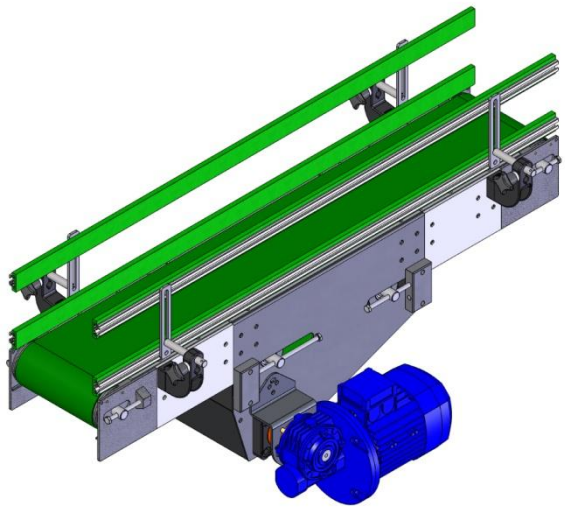
Clearance:

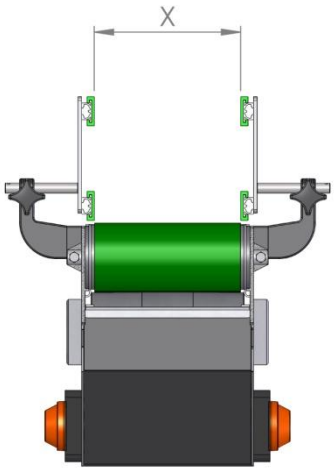
X	L-94 ÷ L+46 mm minimum*
Y	: 6 ÷ 29 mm*

(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.

F7 GPR6





Composition (per channel meter):

GL40P	: 4 m
GL30A	: 4 m
SG11	: 4 pieces
DS11	: 4/8/12 pieces
PFG14	: 4 pieces
PSG160	: 4 pieces

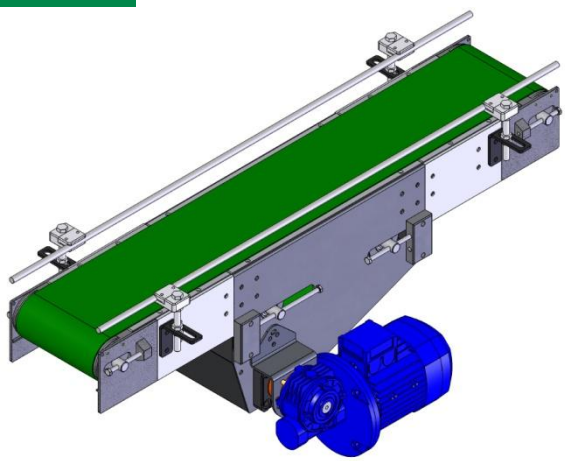
Clearance:

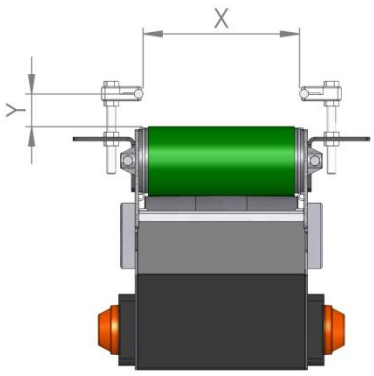
X	: L-94 ÷ L+46 mm minimum*

(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.

F7 GPR7





Composition (per channel meter):

GL12SS	: 2 m
M240-241	: 4 pieces
Bracket 244	: 4 pieces
Screws M12x120	: 4 pieces
PS6020 20/40/60	: 4 pieces

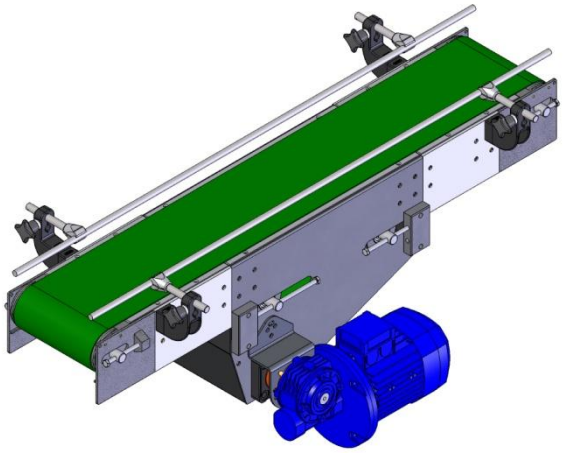
Clearance:

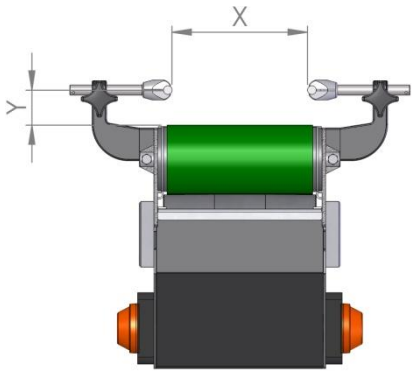
X	: L+30 ÷ 94 mm minimum*
Y	: 20 ÷ 74 mm*

(where L is the width of the belt)

* The X dimension changes with the slot on the 244 bracket. The Y dimension can be adjusted with the support screws.

F7 GPR11





Composition (per channel meter):

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

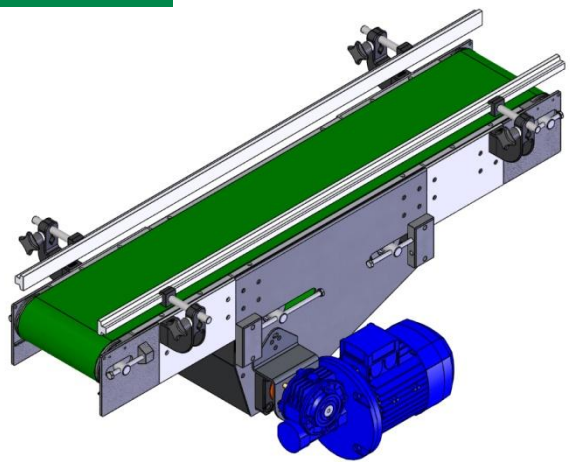
Clearance:

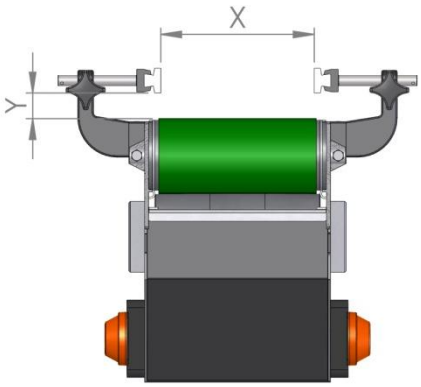
X	: L-138 ÷ L+2 mm minimum*
Y	: 26 ÷ 49 mm*

(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.

F7 GPR17





Composition (per channel meter):

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

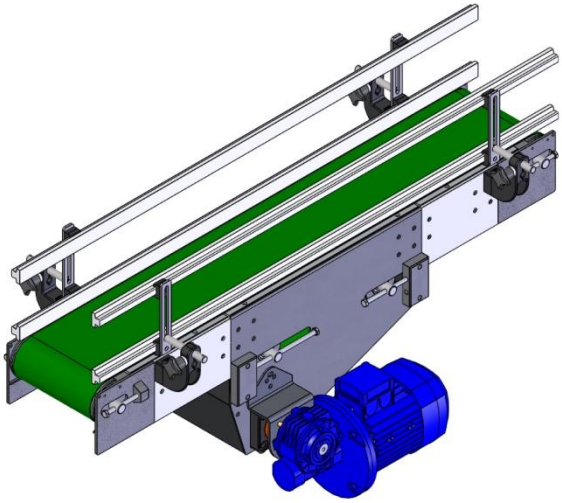
Clearance:

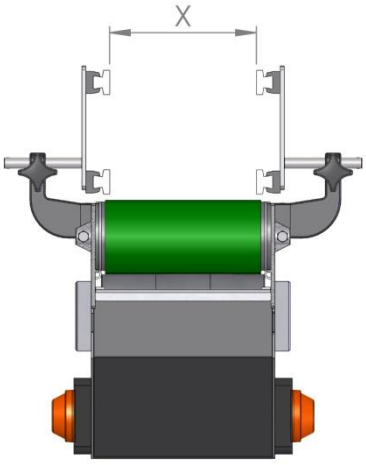
X	: L-126 ÷ L+14 mm minimum*
Y	: 28 ÷ 50 mm*

(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.

F7 GPR18





Composition (per channel meter):

GL31SS	: 4 m
MGL31SS	: 8 pieces
SG11	: 4 pieces
DS11	: 4/8/12 pieces
PFG14	: 4 pieces
PSG160	: 4 pieces

Clearance:

X	: L-126 ÷ L+14 mm minimum*

(where L is the width of the belt)

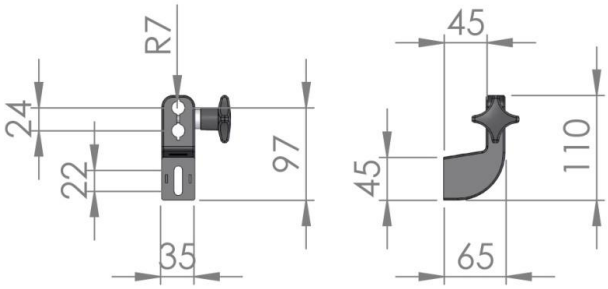
* The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.

Lateral guides accessories

Support

Material : Polyamide
Colour : Black
Packaging : 10 pieces

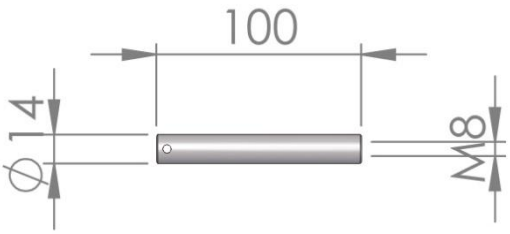
Order Code: SG11



Guide fastening pin

Material : Stainless steel
Packaging : 10 pieces

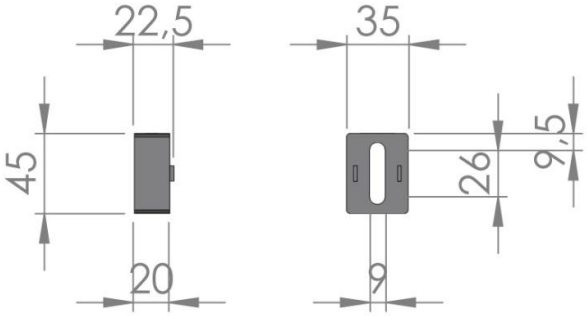
Order Code: PFG14



Support spacer

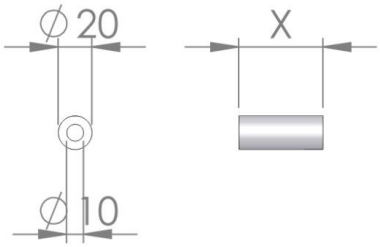
Material : Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: DS11



Material : Anodized aluminum
Packaging : Custom cut into bars

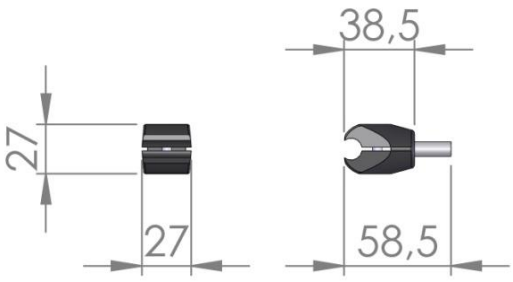
Order Code: DS2010A



Guide support clamps

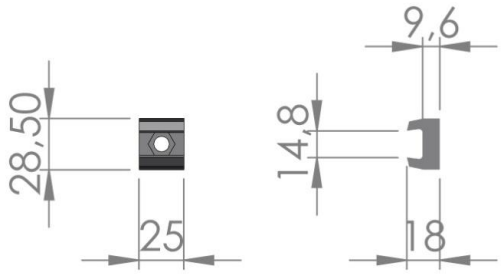
Material : Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: MGT12



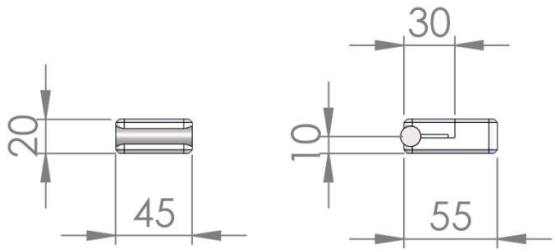
Material : Polyamide
Colour : Black
Packaging : 20 pieces with bolts

Order Code: MGL31SS



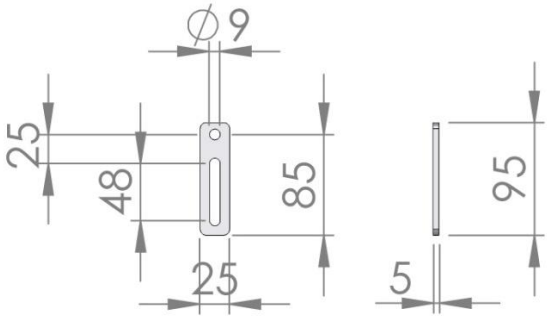
Material : Aluminum
Packaging : 10 pieces

Order Code: MGTB



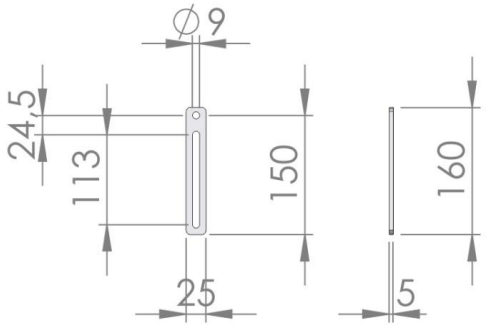
Material : Stainless steel
Packaging : 10 pieces

Order Code: PSG95



Material : Stainless steel
Packaging : 10 pieces

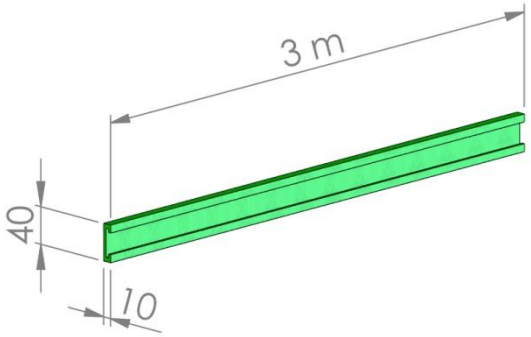
Order Code: PSG160



Profiles

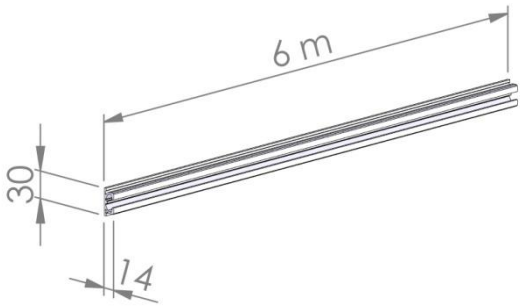
Material : Polyethylene
Colour : Green
Length : 3 m

Order Code: GL40P



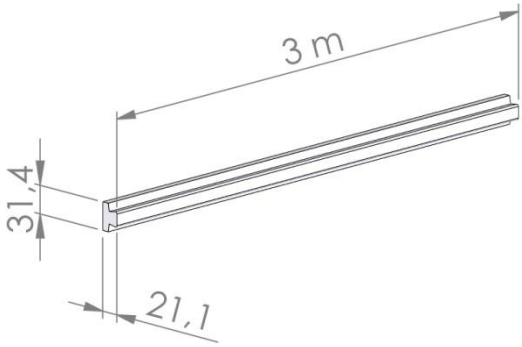
Material : Anodized aluminum
Length : 6 m

Order Code: GL30A



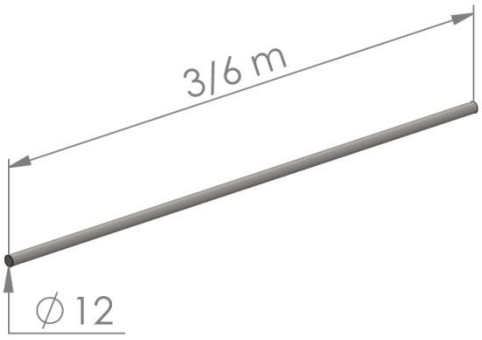
Material : Stainless steel and Polyamide
Colour : White
Length : 3 m

Order Code: GL31SS



Material : Stainless steel
Length : 3/6 m

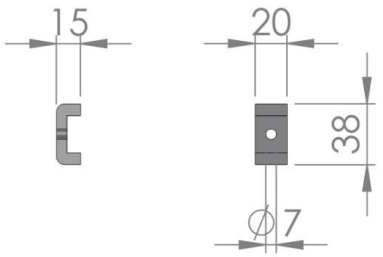
Order Code: GL12SS



Intermediate guide (GLP40) clamps

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

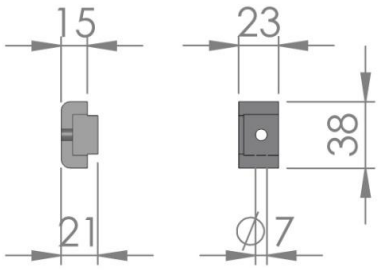
Order Code: MBPI



Guide (GLP40) clamp for curves

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

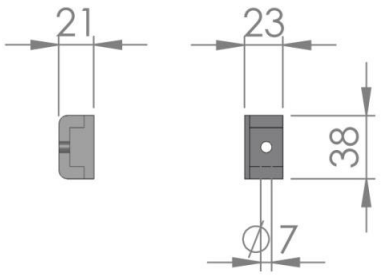
Order Code: MBPC



Terminal guide (GLP40) clamp

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

Order Code: MBPT



Conveyor support systems

F7S1

F7S1 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.
F7S1 simple model is suitable for belt conveyors within a maximum belt width of 250 mm.
F7S1 double model (F7S1D) 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: F7S1

Composition:

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

Order Code: F7S1R

Composition:

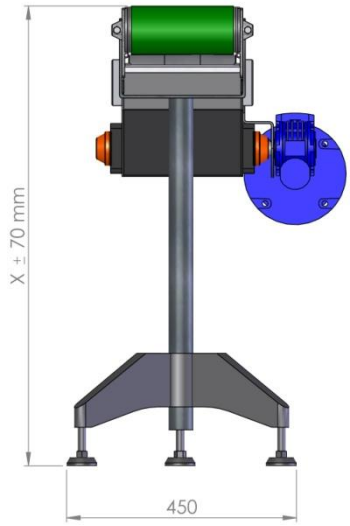
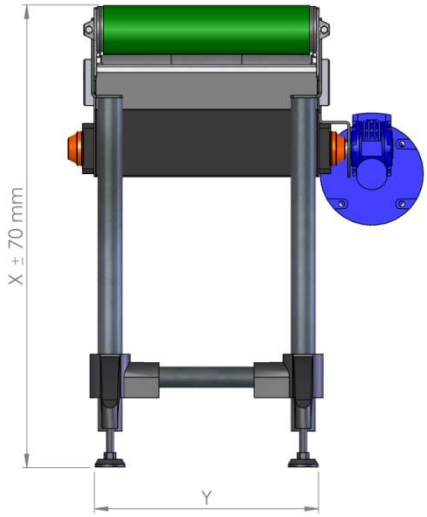
Stainless steel Ø 48 mm tubular
GF70 : 2 pieces
PSR60 : 3 pieces

Order Code: F7S1D

Composition:

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

Order Code: F7S1DR

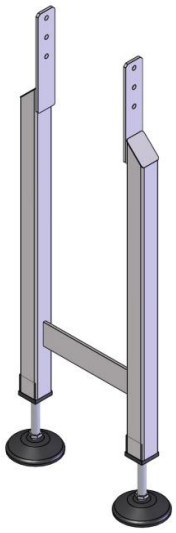
F7S1	F7S1D
	
X = required belt level	X = required belt level Y = L+34 mm (where L is the width of the belt)

F7S2D – F7S5D

F7S2D and F7S5D 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 F7S2D system
- 50x50 mm for F7S5D system

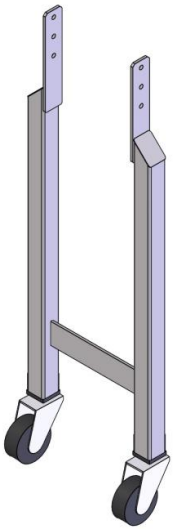
The feet at the base of the frame are in polyamide and are adjustable in height, with a maximum of ± 50 mm.
The 2 brackets for the support of the conveyor channel are welded directly on the frame. The channel is fastened on the brackets using the holes on the side of the profile, so the distance between 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

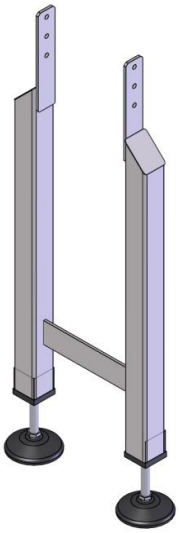
Order Code: F7S2D



Composition:

Square tubular frame 40x40 mm
RP80 : 2 pieces

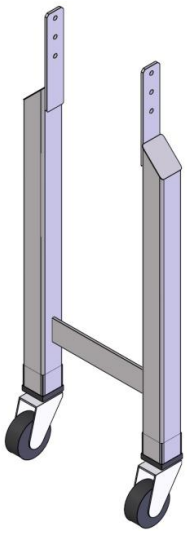
Order Code: F7S2DR



Composition:

Square tubular frame 50x50 mm
PSR100 : 2 pieces

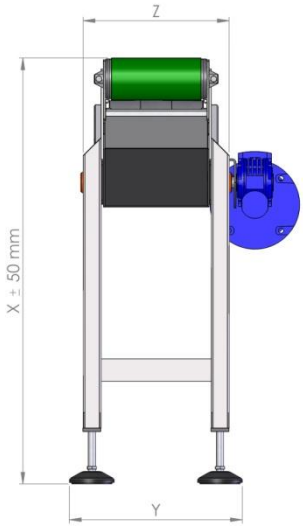
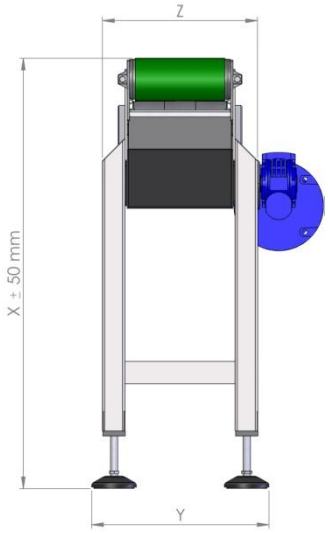
Order Code: F7S5D



Composition:

Square tubular frame 50x50 mm
RP80 : 2 pieces

Order Code: F7S5DR

F7S2D	F7S5D
	
X = required belt level Y = L+186 mm Z = L+126 mm (where L is the width of the belt)	X = required belt level Y = L+196 mm Z = L+146 mm (where L is the width of the belt)

F7S3 – F7S4D

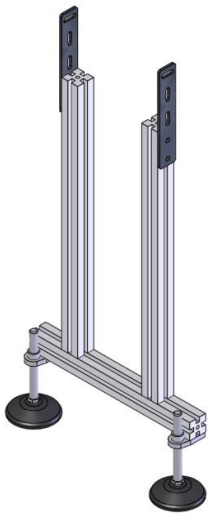
F7S3 and F7S4 systems support are composed of two-legged frame built with a anodized aluminum profile of different dimensions:

- 40x40 mm for F7S3 system
- 80x40 mm for F7S4 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:

F7S3 simple model is suitable for belt conveyors with a belt not wider than 250 mm
F7S3D model is suitable for belt conveyors with a belt wider than 250 mm
F7S4D model is suitable for every belt conveyor, independently of the width of the chain used

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

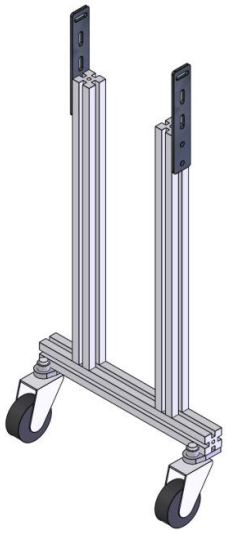


Composition:

Frame in aluminum profile 40x40 mm

SFC40	: 2 pieces
BPSA4040	: 2 pieces
PSR100	: 2 pieces

Order Code: F7S3

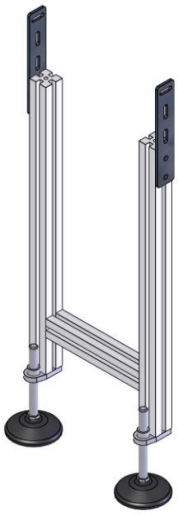


Composition:

Frame in aluminum profile 40x40 mm

SFC40	: 2 pieces
BPSA4040	: 2 pieces
RP80	: 2 pieces

Order Code: F7S3R

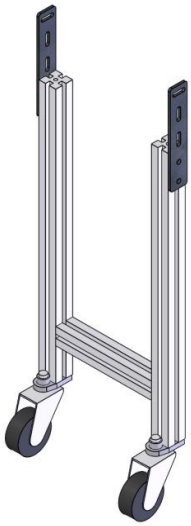


Composition:

Frame in aluminum profile 40x40 mm

SFC40	: 2 pieces
BPSA4040	: 2 pieces
PSR100	: 2 pieces

Order Code: F7S3D

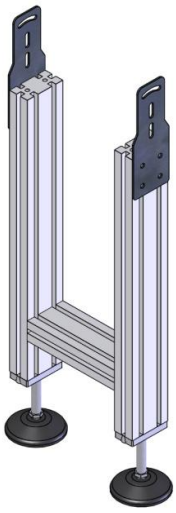


Composition:

Frame in aluminum profile 40x40 mm

SFC40	: 2 pieces
BPSA4040	: 2 pieces
RP80	: 2 pieces

Order Code: F7S3DR

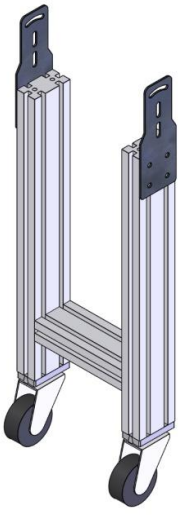


Composition:

Frame in aluminum profile 80x40 mm

MFS	: 2 pieces
BPSA8040	: 2 pieces
PSR100	: 2 pieces

Order Code: F7S4D

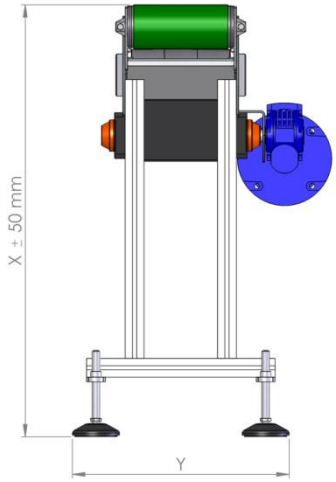
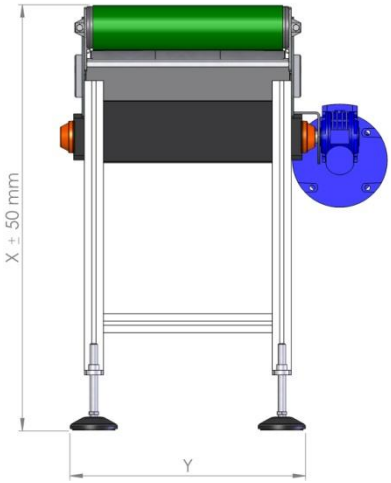
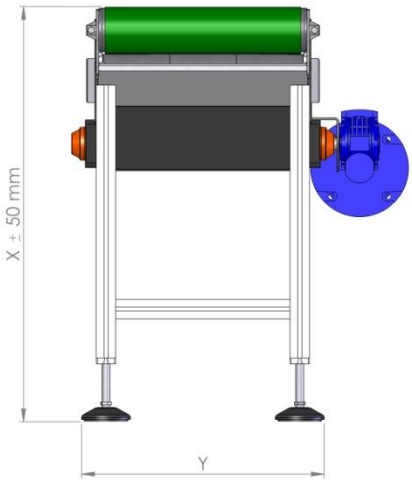


Composition:

Frame in aluminum profile 80x40 mm

MFS	: 2 pieces
BPSA8040	: 2 pieces
RP80	: 2 pieces

Order Code: F7S4DR

F7S3	F7S3D	F7S4D
		
X = required belt level Y = L+210 mm (where L is the width of the belt)	X = required belt level Y = L+96 mm (where L is the width of the belt)	X = required belt level Y = L+96 mm (where L is the width of the belt)

HOW TO WRITE THE ORDER CODES FOR CONVEYOR SUPPORT SYSTEMS	
Description	**Order Code**
Support type	F7S1 F7S1R F7S1D F7S1DR F7S2D F7S2DR F7S3 F7S3R F7S3D F7S3DR F7S4D F7S4DR F7S5D F7S5DR
Material (if available)	Stainless Steel: X
Chain width	W (Larghezza in mm)
Chain plan height	H followed from the height measure of the chain plan in mm

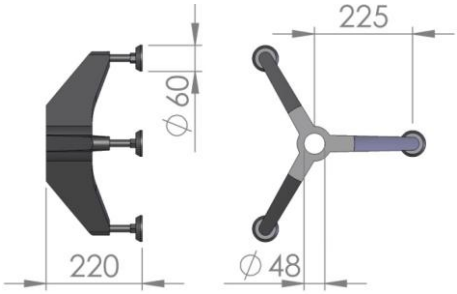
Example:
F7S5D support in stainless steel height 915 mm for a belt 400 mm wide
Cod: F7S5D-X-W400-H915

Conveyor support accessories

Support base with feet

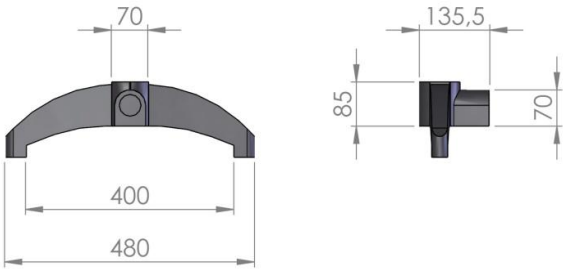
Material : Reinforced polyamide
Colour : Black
Packaging : 8 pieces

Order Code: GF50



Material : Reinforced polyamide
Colour : Black
Packaging : 8 pieces

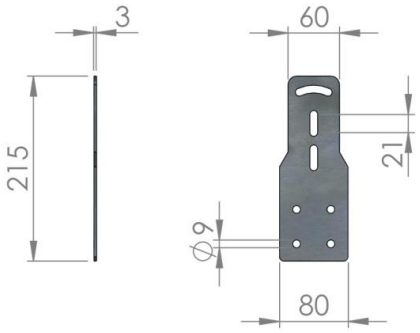
Order Code: GF70



Channel fastening brackets

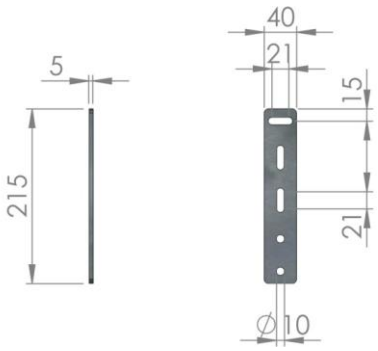
Material : Stainless steel
Packaging : 10 Pieces (5+5)

Order Code: MFS



Material : Stainless steel
Packaging : 10 Pieces

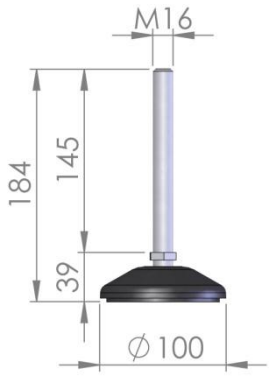
Order Code: SFC40



Support feet

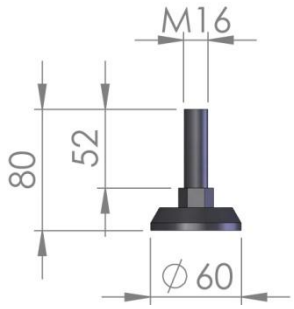
Material : Galvanized steel and Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: PSR100



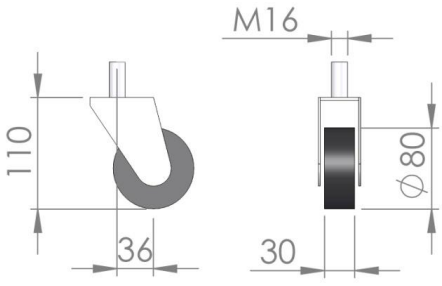
Material : Galvanized steel and Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: PSR60



Material : Galvanized steel and rubber
Packaging : 1 piece

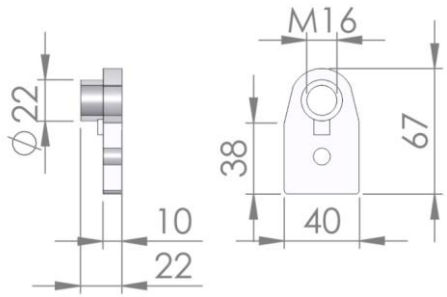
Order Code: RP80



Sanded aluminum bases

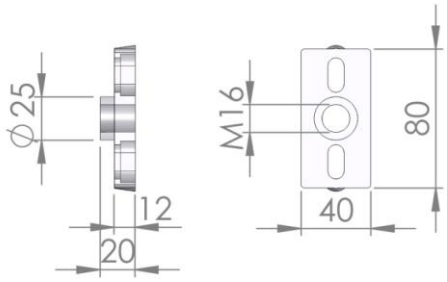
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: BPSA4040



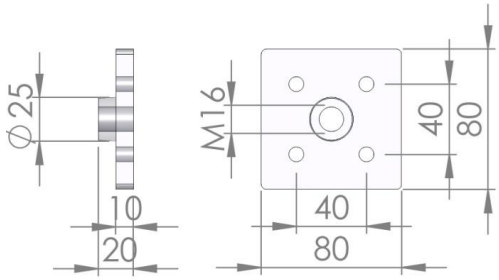
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: BPSA8040



Material : Sanded aluminum
Packaging : 10 Pieces

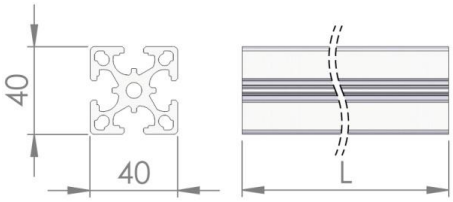
Order Code: BPSA8080



Support profiles

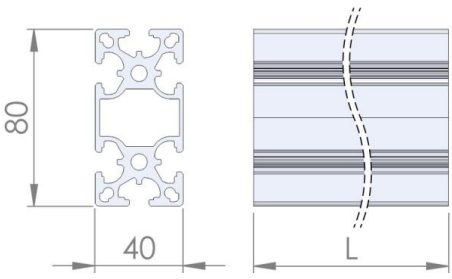
Material : Anodized aluminum
Length : 3÷6 meters in bars

Order Code: PS4040



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

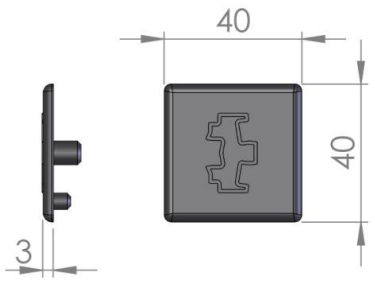
Order Code: PS8040



Profile cap

Material : Polyamide
Colour : Black
Packaging : 10 pieces

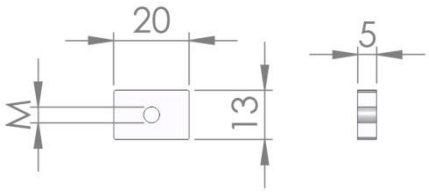
Order Code: TC4040



Square nuts

Material : Galvanized steel
Stainless steel
Packaging : 100 pieces

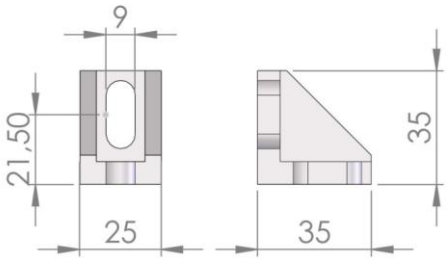
Order Code: DRM4/5/6/8



Connecting angles

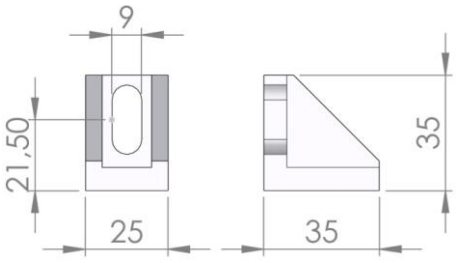
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3525



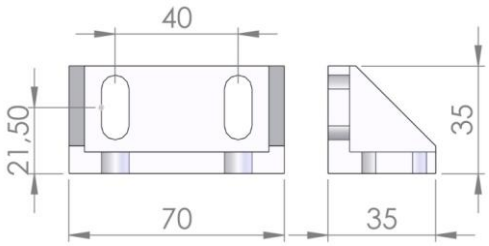
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3525C



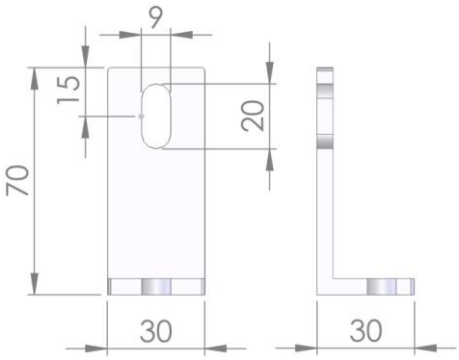
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: AC3570



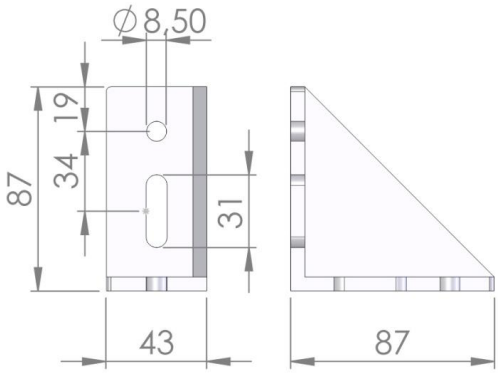
Material : Anodized aluminum
Packaging : 10 Pieces

Order Code: AC3070



Material : Sanded aluminum
Packaging : 10 Pieces

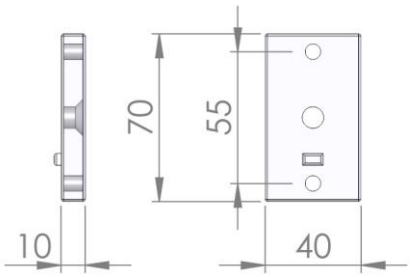
Order Code: AC4387



Profile joining plate

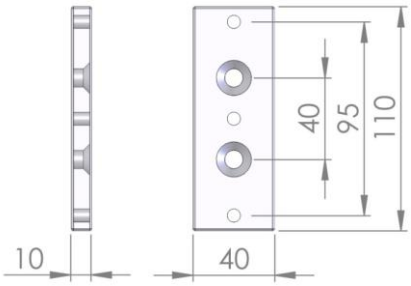
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: PG4040



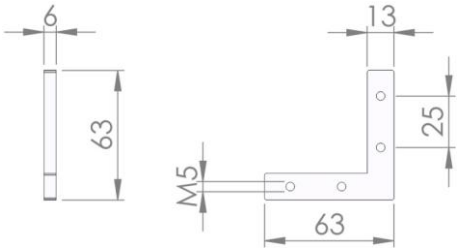
Material : Sanded aluminum
Packaging : 10 Pieces

Order Code: PG8040



Material : Galvanized steel
Packaging : 10 Pieces

Order Code: PG630/45/60/90

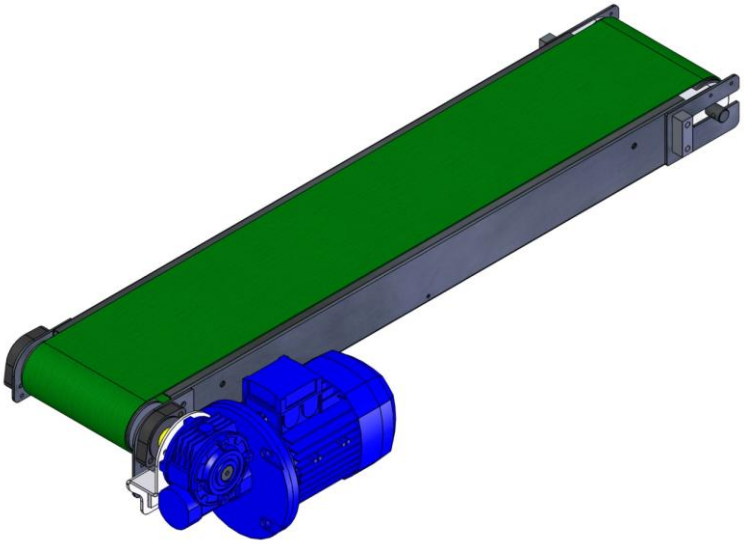


Stainless steel F7 (M8)

For lines in which the conveyor touches the naked product or where it is necessary that the conveyor channel not be made in aluminum or for specific requests, a version made in stainless steel with Ø 80 mm rollers is available, named M8. M8 model is available for the end motor drive configuration and for central motor drive configuration.

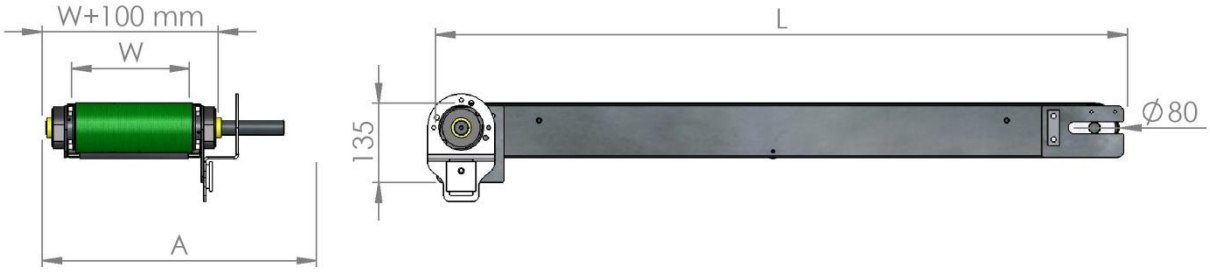
Suspended end motor drive (TEP80)

Belt conveyor with left/right suspended end motor drive with idle return roller Ø 80 mm



Technical specifications:

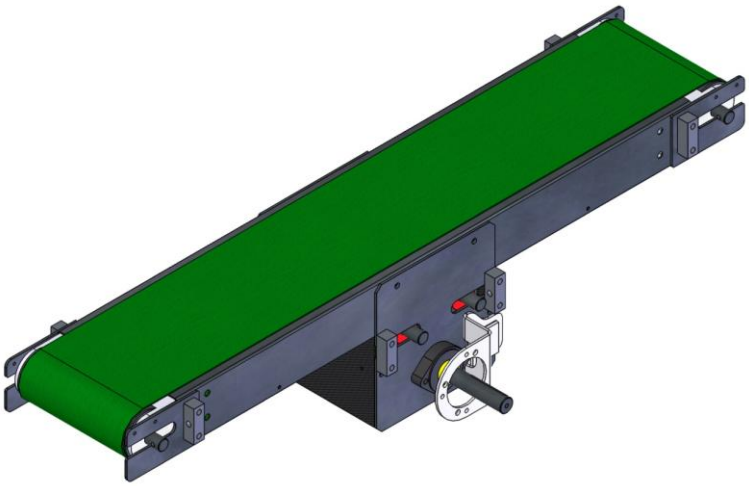
Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4, 12.5, 19.5, 35, 50
Width	: 100 mm÷800 mm
Length	: 6000 mm max



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

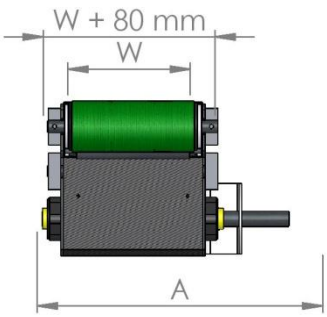
Central suspended motor drive (TCP80)

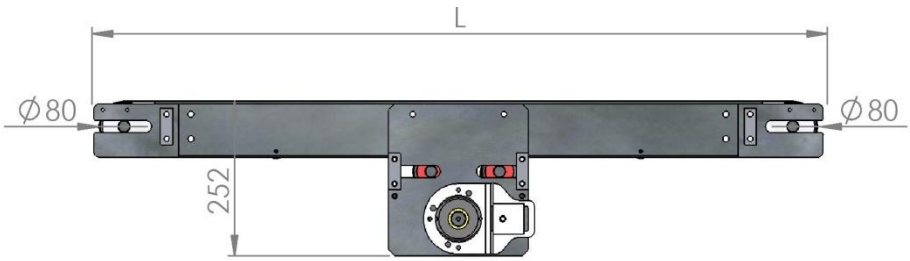
Central left/right suspended motor drive with idle return rollers Ø 80 mm.
The central motor drive can be installed at any point along the conveyor. and is directly connected to the belt drive roller.



Technical specifications:

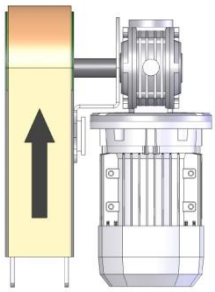
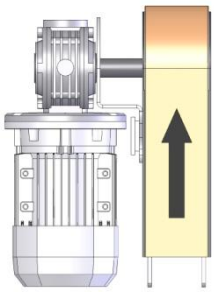
Standard motor	: Triphase 220/380 V
Standard speed at 50 Hz (m/min)	: 4, 12.5, 19.5, 35, 50
Width	: 100 mm÷800 mm
Length	: 1200 mm÷12000 mm





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

HOW TO WRITE THE ORDER CODES FOR STAINLESS STEEL F7 MODULES

Description	Order Code	
Motor drive type	Stainless steel suspended end : M8 TEP 80 Stainless steel central suspend end with Ø 80 mm rollers : M8 TCP 80	
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 Spreaded belt for low slopes : N2 Belt for phase conveyors or high slopes : N3	

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 80 mm rollers and SEW WA30 motor gear included and belt for high slopes 400 mm wide and 4000 mm long

Cod: M8TCP80-D-W400-L4000-WA30-N3

How to use belt conveyors with end motor drive

Prior to start up the system:

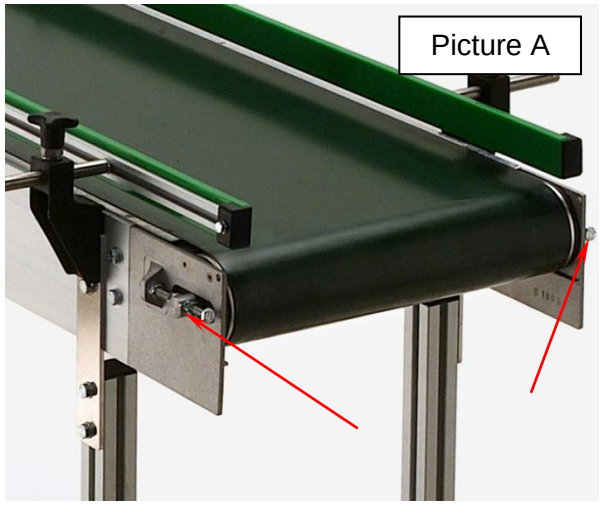
- verify the correspondence between motor data and electrical power supply data
- verify that no foreign objects are inside the conveyor's mobile parts

After start up:

- The belt should not run in a different direction that the one it has been designed for: the conveyor is normally unidirectional. Check the right belt's run for 5 continuous minutes: the belt must run on the roller's and drive drum's centre. It is suggested to do so because the conveyor could have been damaged during transport which could take to lateral drifts causing unthreading of the belt itself.
- Limit loads to what foreseen by constructor.

How to tensioning and centring the belt

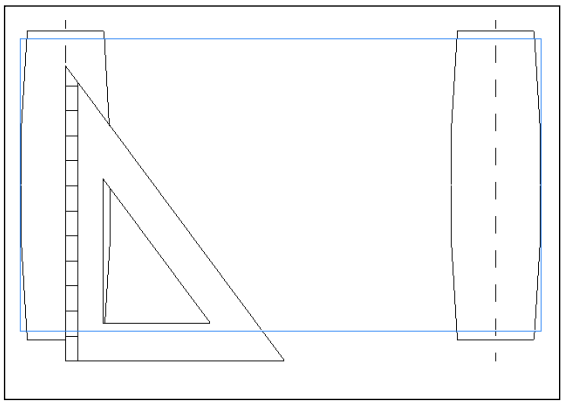
To assure a correct function of the belt conveyor measure a reference length (for instance 1000 mm) and mark the measure.
Tension the drums (through the tension registers as indicated in picture A) in order to lengthen the measure up to 0.5% (i.e. 1005 mm).
During this operation verify that all drums are normal to the direction of travel and parallel throughout each other.



Centring operations must be done in unloaded conveyor running

Start up the conveyor without any load onboard; observe belt movement and correct drift by moving tension registers on the same side as drift. Wait for at least 5 complete turns during which the belt should run on a centred position before securing the bolts and the tension registers.

- All drums should be as much parallel as possible to each other
- All the tension registers on both sides should be set at the same positions
- Verify the belt position through a square and eventually adjust it



How to use belt conveyors with central motor drive

Prior to start up the system:

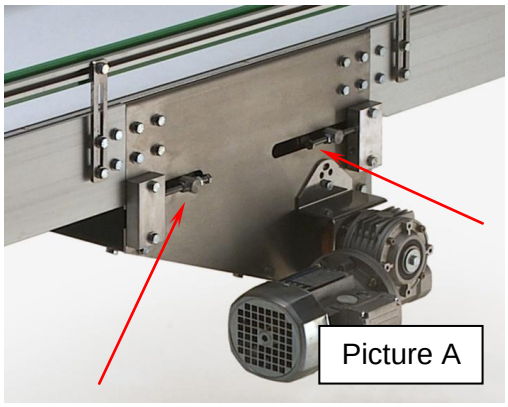
- verify the corrispondence between motor datas and eletrical power supply datas
- verify that no foreign objects are inside the conveyor's mobile parts

After start up:

- The belt should not run in a different direction that the one it has been designed for: the conveyor is normally monodirectional. Check the right belt's run for 5 continuos minutes: the belt must run in roller's and drive drum's centre. It is suggested to do so because the conveyor could have been damaged during transport which could take to lateral drifts causing unthreading of the belt itself.
- Limit loads to what foreseen by constructor.

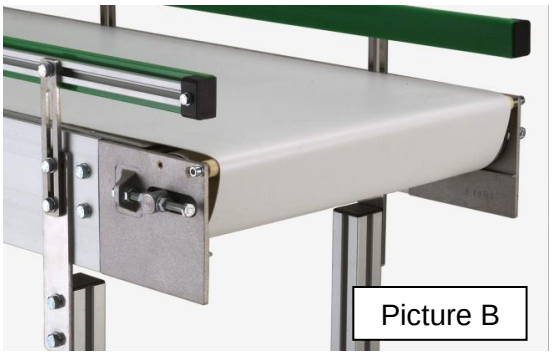
How to tensioning and centring the belt

To assure a correct function of the belt conveyor measure a reference length (es. 1000 mm) and mark the measure. Tension drums (handling screws indicated in picture A) in order to lengthen the measure up to 0.5 % (eg. 1005 mm). During this operation verify that all drums are parallel throughout each other.

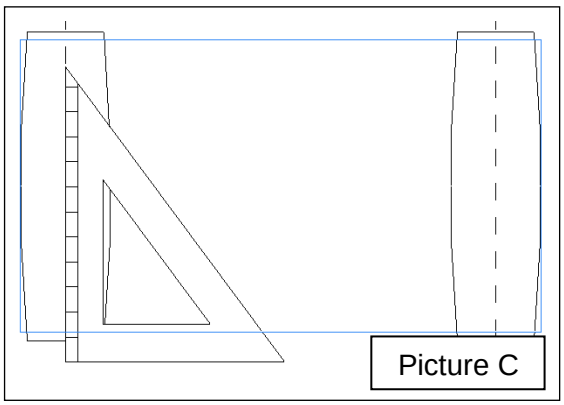

Picture A

Centering operations must be done in unloaded conveyor running

Start up the unloaded conveyor; observe belt movement and correct drift by moving tension registers (showed in picture B) on the same side as drift. Wait at least 5 minutes during belt runs in centre position, so stuck bolts and tension registers.


Picture B

- All drums should be more parallel as possible to each other.
- All the tension registers (picture A and B) should be set at the same positions side by side.
- Verify the belt position through a square (picture C) and eventually adjust it.


Picture C