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# The JOLLYFLEX system is a modular conveyor system suitable for any type of industrial application.



# Its anodized aluminum frame with smooth sides is particularly suited to the food and packaging industry where it is crucial to minimise the risk of sedimentation.

**JOLLYFLEX** is a conveyor system that uses different types of table-top chains in steel and plastic with standard widths of 190,5 mm, 254 mm and 304,8 mm.

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

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

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





## Technical Data\*

#### Product dimensions: 30÷600 mm

The geometric shape of the product to be handled influences the maximum width of products accommodated by the system. The system can handle products that are up to 5-6 times the chain width, provided that the barycentre of the product is in his centre. In any case, it is better to run trials to find out whether support guides are needed.

#### Maximum product weight: 50 Kg horizontal transport - 20 Kg vertical transport

The maximum weight of the product transported is limited to the need to minimize wear and tear of slideways in horizontal transport and flight resistance in vertical transport.

#### Maximum weight on the conveyor: 200÷400 Kg

The maximum weight depends essentially on the motor drive's tow capacity, the maximum admissible workload of the chain and the conveyor belt layout.

### Maximum conveyor length: 30÷40 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 chain tension and the motor drive capacity in the following situations:

- Heavy loads
- Accumulation
- Vertical conveyor
- High speed
- Long conveyor
- Conveyor with flat plane curves or vertical curves
- Frequency of starts and stops

#### 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:

Various factors contribute to making the conveyor noisy:

- Products on the conveyor
- Conveyor speed
- Chain pace
- Installation site
- Layout and size of the conveyor

After an initial period of running, the noise from the chain diminishes.

A higher speed will produce more noise.

<sup>\*</sup> 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.





# **Actual lengths for JOLLYFLEX tracks**

The following table shows actual layouts of the various components, rounded to the successive 5 mm, in order to determine the quantity of chain needed to make the belt.

For some components, like the curves, the total materials needed are indicated as sums of the individual upper and lower tracks of the curves. Standard flat sliding curves are made with a straight track of 85 mm on the two ends of the curve itself. The indicated lengths also include this length of track. Therefore, if the track calculation is done by measuring the middle distances between curves, you must subtract 90 mm. With tracks that do not have a return track, the track should be added only once. For the straight channel tracks, it is necessary to sum up the lengths of the various elements, doubling the quantity.

Description	Track length (mm)	Track layout
End drives JFMPD/S - JFMRD/S	895	
180° Long Return JFRL	795	
180 ° Short Return JFRC	290	
Flat curves Mod. 882 Rm=610 mm JFCS	30° track = 490+490 45° track = 650+650 60° track = 810+810 90° track = 1130+1130	
Flat curves Mod. 1873 Rm=500 mm JFCS	30° track = 435+435 45° track = 565+565 60° track = 695+695 90° track = 960+960	
Vertical curves Rm=400 mm JFCSV	20° track = 285+330 30° track = 340+410 45° track = 425+530	

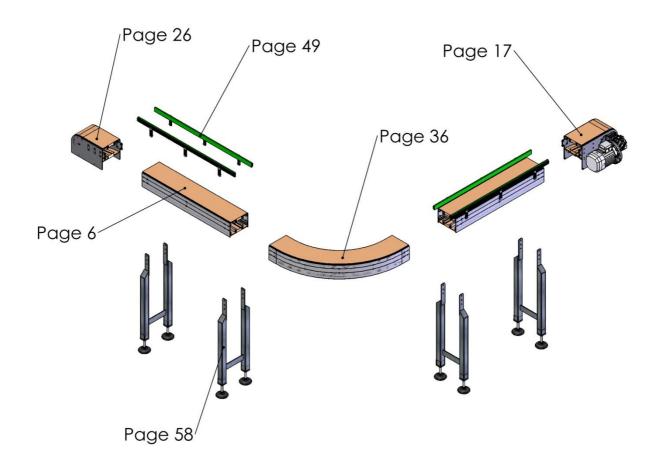




# Structure of standard JOLLYFLEX Conveyor

A single Jollyflex conveyor is made up of number of modular blocks that allows to create any type of layout. This catalogue contains the descriptions of all standard modules:

- Straight channels (from page 6)
- Motor drives (from page 17)
- Return ends (from page 26)
- Curves (from page 36)
- Lateral guides (from page 49)
- Ground supports (from page 58)



#### **NOTE:**

The drawings in this catalogues can be subject to graphical simplifications and therefore may not represent the actual final look of the product. If real drawings of components are necessary to assess space requirements, please contact our Technical Office for more information.





# Fundamental characteristics of the chain guide channel

The Jollyflex chain guide channel is composed of 2 profiles in extruded aluminum joined by spacers of different lengths, depending on the width of the chain that is used.

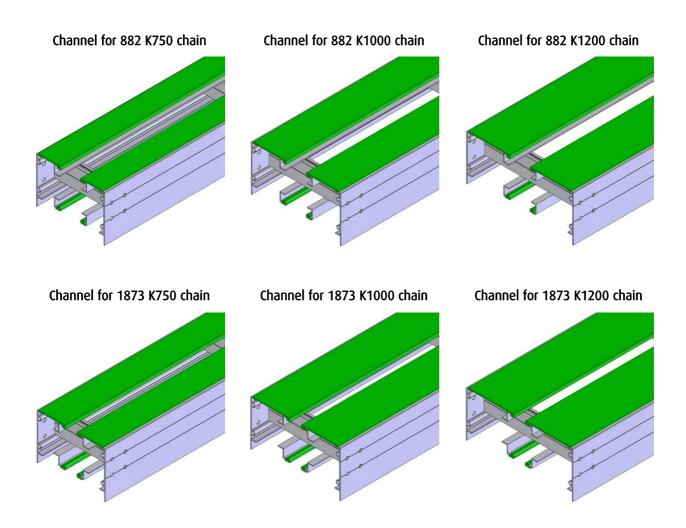
On the forward path of the chain, slideways are mounted on a particular aluminum profile over the channel spacers: this profile has a C-shape for chain model 882, and a Z-shape for chain model 1873.

Slideways are in high molecular weight polyethylene and are mounted snap-fit using the particular shape of the extruded aluminum profile. Then the slideway profile must be fastened with countersunk M4 screws.

On the return path, instead, where the chain is suspended from the slideway, This will be GS1 type, snapped onto the aforementioned profiles.

The channels are connected together with square joining plates in aluminum with bushes fastened to channels with standard screws.

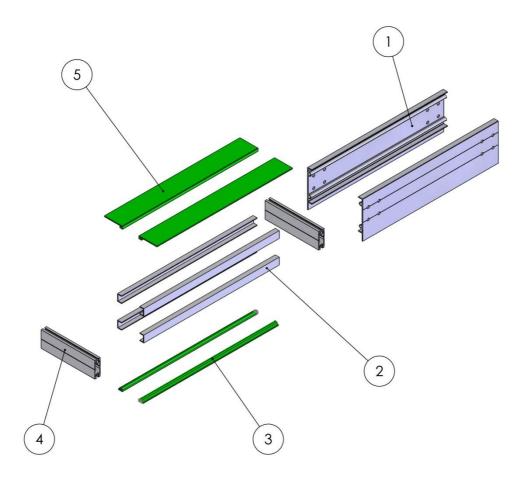
Every accessory and support that must be mounted on the channel must have specific holes on the side of the channel.







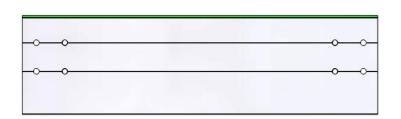
# A complete pre-mounted channel is supplied as follows:

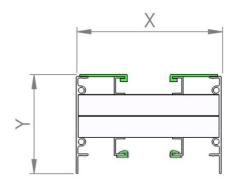


Article Number	Description	Article Code
1	JOLLY-FLEX CHAIN GUIDE PROFILE	JFR6417
2	CHAIN SLIDEWAY SUPPORT PROFILE	50500 90457
3	LOWER CHAIN SLIDEWAY	GS1
4	INTERNAL SPACER	JFDA6020
5	UPPER CHAIN SLIDEWAY	*

<sup>\*</sup> Depends on the type of chain used (width and model)







X = Channel width: 208 mm for K750 chain

272 mm for K1000 chain323 mm for K1200 chain

Y = chain surface height: 143,5 mm for 882 chain model

142,5 mm for 1873 chain model

## Ordering:

To order the pre-mounted channel, please specify the type of chain you want to use and its width (for this information, see the following pages regarding standard chains), the number of pieces desired and their lengths: the cost of each piece, calculated per meter, will be rounded to the next half meter.

An example of an order code for a channel piece could be: Jolly Flex Channel with model 882 chain 190,5 mm wide and 1700 mm long = JF-882-K750-1700

The cost for a channel like the one in the example would be the same as for a channel 2000 long.

## Quantities per meter of a pre-mounted channel:

Description	Article Code	Quantity
JOLLY-FLEX CHAIN GUIDE PROFILE	JFR6417	2 m
INTERNAL SPACER	JFDA6020	3
SLIDEWAY SUPPORT PROFILE	50500 90457	4 m
LOWER CHAIN SLIDEWAY	GS1	2 m
UPPER CHAIN SLIDEWAY	*	2 m



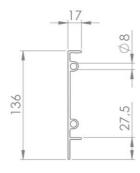


## Jollyflex chain guide profile

Material : Anodized aluminum

Length : 6 m

Order Code: JF R 6417



#### NOTE:

Profiles are sold in bars of 6 meters. Custom cut pieces of profiles can be ordered on request. In this case, the price will be calculated by estimating the length to the next half meter and applying a surcharge for each cut made (please consult the price list for details).

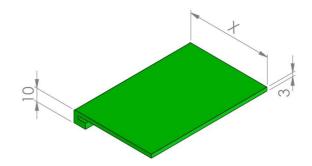
# **Aluminum chain channel slideway**

Material : Polyethylene

Colour : Green Packaging : 3 m

X : 67 mm for K750 chain

98 mm for K1000 chain 124 mm for K1200 chain

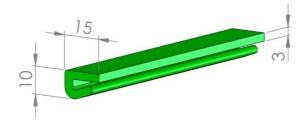


Order Code: Can vary depending on chain model and width

# **Aluminum chain channel slideway**

Material : Polyethylene

Colour : Green
Packaging : 50 m



#### Order Code: GS1

#### NOTE:

Slideways are normally sold in 50 meter rolls. Smaller quantities can be ordered on request. The price will be rounded to the next meter.





# Chain guide channel internal spacers

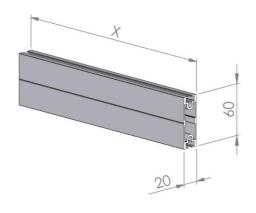
Material : Anodized aluminum

Packaging : 6 m

X : 198 mm for K750 chain

262 mm for K1000 chain 313 mm for K1200 chain

Order Code: JFDA 6020



# **Slideway support profiles:**

Material : Aluminum

Packaging : 6 m

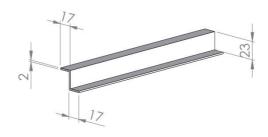
Order Code: 50500



Material : Aluminum

Packaging : 6 m

Order Code: 90457

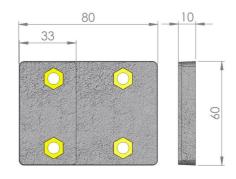


# **Channel joining plates**

Material : Cast aluminum

Packaging : 10 pieces with bolts

Order Code: PJF8





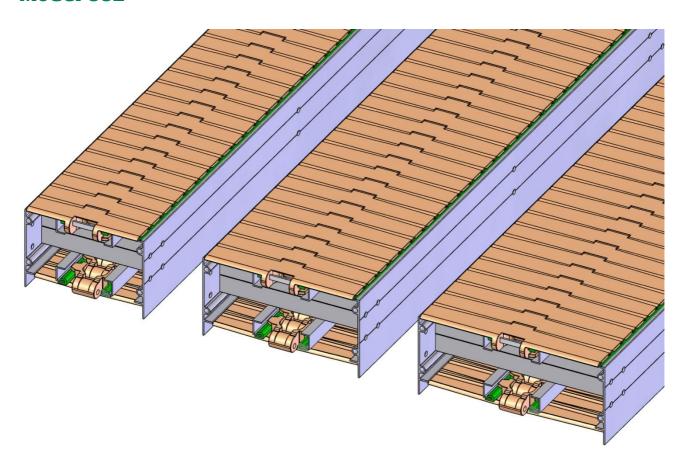


# **Chains**

The Jollyflex standard system uses 2 chain models, 882 or 1873, depending on the client's requirements. The choice of the chain type involves differences that affect the configuration of all conveyor belt components. Both models are available for different brands depending on the client's requirements.

For more information and evaluation of the best chain model for your needs, please contact our Technical Office.

## Model 882



## **Typical Applications**



TRAYS



SOFT PLASTIC ENVELOPES



BAGS



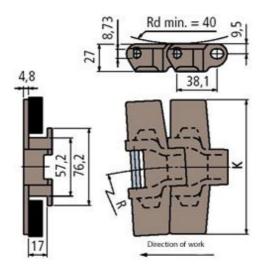
LARGE AND SMALL BOXES





### Standard chain

The Jollyflex 882 chain is made in acetalic resin and teflon links joined with stainless steel pins to improve its mechanical characteristics and guarantee a maximum lifetime under heavy conditions (heavy products, long transport paths, high speeds). The low friction coefficient guarantees lower chain tension on the drive shaft and greatly reduces the pulses of the conveyor at low speeds.



#### Design

Colour : Brown

### **Specifications**

	K750	K1000	K1200
Width K (mm)	190,5	254	304,8
Weight (Kg/m)	2,43	2,87	3,41
Average curve radius (mm)	610	610	610

#### **Materials**

Chain : Acetalic resin and teflon

Pin : Stainless steel

## Supply length

3.05 meters per package

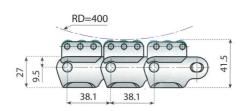
Order Code: LF 882 TAB K 750

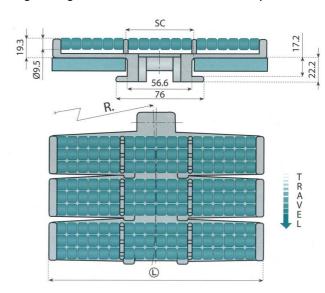
LF 882 TAB K 1000 LF 882 TAB K 1200



#### Chain in resin with rollers

The LBP 882 chain made in acetalic resin and teflon has the same basic characteristics as the LF. It is particularly suitable for transport and accumulation of delicate products and in long stretches where the standard chain would cause an accumulation pressure that could become high. The rollers on the upper part of the chain reduce the friction between the chain and product to reduce the danger of damage to the packaging and allow longer conveyor paths with a single motor drive. Wear and lengthening of the chain are also considerably reduced.





#### Design

Colour : Grey
Colour of rollers : Light blue

#### **Specifications**

	K750	K1000	K1200
Width K (mm)	190,5	254	304,8
Weight (Kg/m)	4,7	5,9	6,5
Average curve radius (mm)	610	610	610

#### **Materials**

Chain : Acetalic resin and Teflon
Rollers : Acetalic resin and Teflon

Pin : Stainless steel

#### Supply length

3.05 meters per package

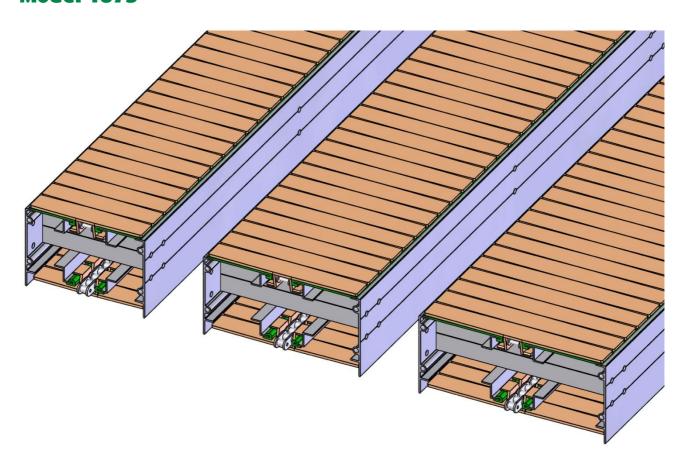
Order Code: LBP 882 TAB K 750 LBP 882 TAB K 1000

LBP 882 TAB K 1200





# **Model 1873**



# **Typical Applications**



TRAYS



SOFT PLASTIC ENVELOPES



BAGS



LARGE AND SMALL BOXES





#### Standard chain

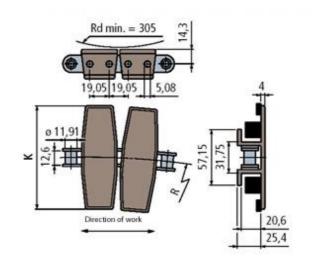
The Jollyflex 1873 chain is made with table-top pieces in acetalic resin and teflon snapped together onto a chain of steel rollers: its configuration allows a heavier load and faster speed than the 882 model with acetalic resin links joined by steel pins.

Also, the interlocking movement with sprockets is quieter and allow more precise positioning, due to less play between the chain and the sprocket teeth.

The chain is designed to work in both directions indifferently.

The standard chain can be built also in Polycarbonate or WRB resin (wear resistant).

On request, stainless steel rollers are also available.



#### Design

Colour : Brown

#### **Specifications**

	K750	K1000	K1200
Width K (mm)	190,5	254	304,8
Weight (Kg/m)	2,6	2,8	3
Average curve radius (mm)	457	457	610

#### **Materials**

Table top piece : Acetalic resin and Teflon

Chain rollers : Steel

## Supply length

3.05 meters per package

## **Optional materials**

Polycarbonate

WRB Resin (Wear resistant)

Order Code: LF 1873 TAB K 750

LF 1873 TAB K 1000 LF 1873 TAB K 1200

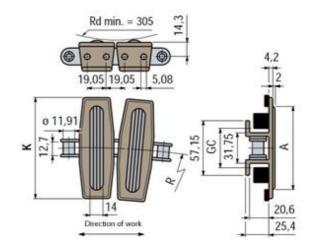




## Chain in resin with no-slip inserts

The HPF 1873 chain made in acetalic resin and teflon has the same basic characteristics as the LF. A non-slip rubber insert is injection moulded into the chain that allows transport with slants up to 25°. The rubber in the non-slip inserts has a standard hardness of 60 Shore A. On request, hardnesses of 45 / 90 Shore A are available.

The chain is designed to work in both directions indifferently.



#### Design

Colour : Brown
Insert colour : Light grey

## **Specifications**

	K750	K1000	K1200
Width K (mm)	190,5	254	304,8
Weight (Kg/m)	3,1	3,4	3,6
Average curve radius (mm)	457	457	610

#### **Materials**

Chain : Acetalic resin and Teflon

Non-slip insert : Rubber Chain rollers : Steel

#### Supply length

3.05 meters per package

#### **Insert hardness options**

45 Shore A 90 Shore A

Order Code:

HFP 1873 TAB K 750 HFP 1873 TAB K 1000 HFP 1873 TAB K 1200





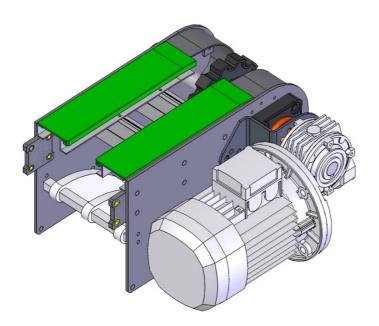
# **End motor drive**

The end drive on the track ends is the fundamental component of the conveyor: the most natural configuration for a conveyor belt is with the motor drive "pulling" the chain.

#### Model 882

# Suspended end motor drive

The unit is mounted on the side of the motor, and is directly connected to the chain drive sprocket.



## **Technical specifications:**

Standard motor : Triphase 220/380 V

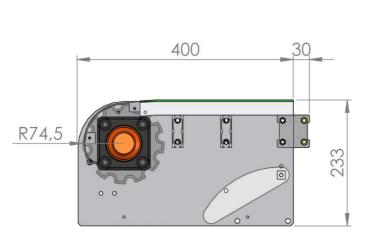
N° teeth drive

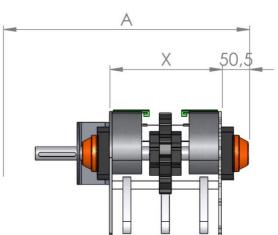
sprocket with chain

in resin : Z 12 Dp. 147 mm

Standard speed at

50 Hz (m/min) : 6.5, 14, 23, 35.5, 64



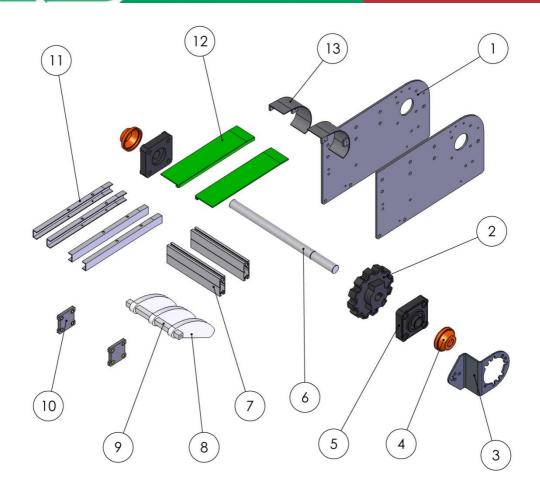


A = Volume depending to the motor gear type

X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain



# JOLLYFLEX



Article Number	Description	Article Code
1	LEFT/RIGHT MOTOR DRIVE PLATE	P14849
2	DRIVE WHEEL	NS882
3	REACTION LEVER	*
4	SAFETY CAP	
5	POLYAMMIDE FLANGE SUPPORT	55205 VR-EC
6	DRIVE SHAFT	*
7	INTERNAL SPACER	JFDA 6020
8	POLYETHLENE SLIDE IN WHITE 500	P10402
9	ALUMINIUM SPACER FOR SLIDE	JFTMD
10	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
11	U-SHAPED ALUMINIUM PROFILE	50500
12	GREEN POLYETHLENE FOR CHAIN 882	29K
13	ACCIDENT PREVENTION SLIDE	SPT01/2/3

\* Depends on the motor type

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

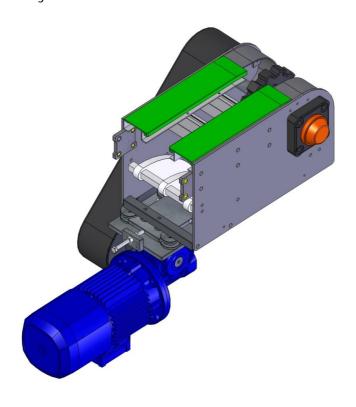




### Transferred end motor drive

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 chain 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:**

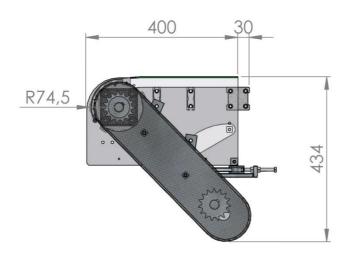
Standard motor : Triphase 220/380 V

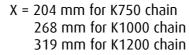
N° teeth drive sprocket with chain

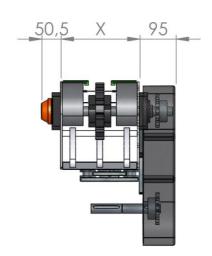
in resin : Z 12 Dp. 147 mm

Standard speed at

50 Hz (m/min) : 6.5, 14, 23, 35.5, 64

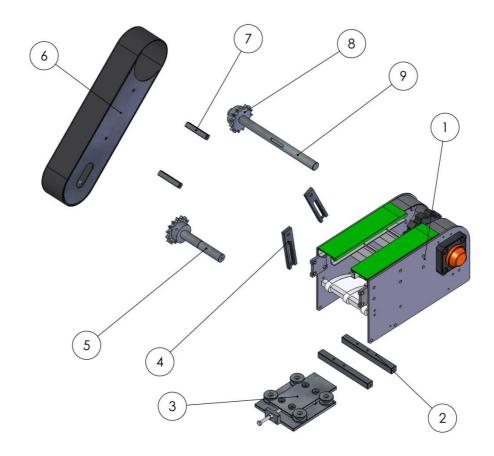








# JOLLYFLEX



Article Number	Description	Article Code
1	MOTOR DRIVE	
2	DRIVE UNIT SPACER	**
3	SLIDE FOR RETURN DRIVE UNIT	*
4	SAFETY PROTECTION BRACKET	F5TM12
5	DRIVE SHAFT	*
6	SAFETY PROTECTION	*
7	SAFETY PROTECTION SPACER	F5TM13
8	SIMPLE SPROCKET	*
9	MOTORISED SHAFT IN AISI 304	*

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

<sup>\*</sup> Depends on the motor type \*\* Depends on the chain width

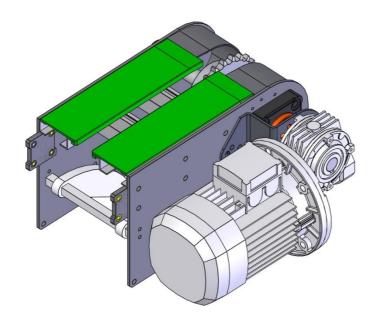




## **Model 1873**

# Suspended end motor drive

The unit is mounted on the side of the motor, and is directly connected to the chain drive sprocket.



## **Technical specifications:**

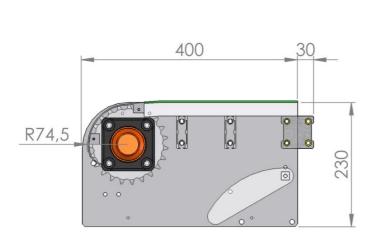
Standard motor : Triphase 220/380 V

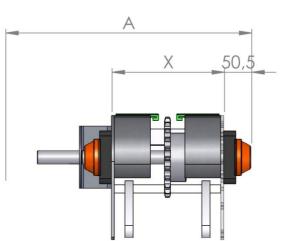
N° teeth drive sprocket with chain

in steel : Z 25 Dp. 153 mm

Standard speed at

50 Hz (m/min) : 6.5, 14, 23, 35.5, 64



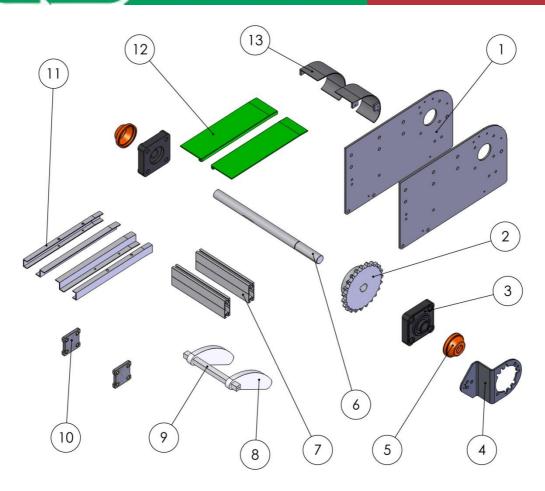


A = Volume depending to the motor gear type

X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain



# JOLLYFLEX



Article Number	Description	Article Code
1	LEFT/RIGHT PLATE FOR MOTOR DRIVE	P14849
2	SIMPLE SPROCKET	*
3	POLYAMMIDE FLANGE SUPPORT	55205 VR-EC
4	REACTION LEVER	*
5	SAFETY CAP	
6	DRIVE SHAFT	*
7	INTERNAL SPACER	JFDA 6020
8	SLIDE IN POLYETHLENE WHITE 500	P10402
9	ALUMINIUM SPACER FOR SLIDE	JFTMD
10	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
11	Z-SHAPED ALUMINIUM PROFILE	90457
12	GREEN POLYETHYLENE FOR CHAIN 1873	25K
13	ACCIDENT PREVENTION SLIDE	SPT01/2/3

\* Depends on the motor type

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

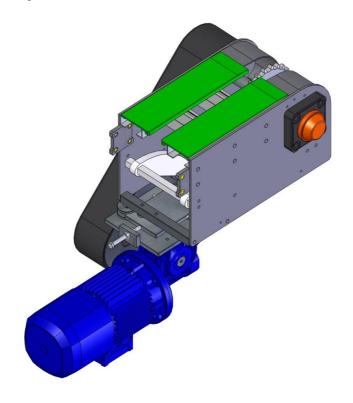




## Transferred end motor drive

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 chain 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:**

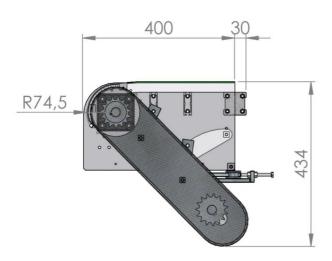
Standard motor : Triphase 220/380 V

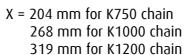
N° teeth drive sprocket with chain

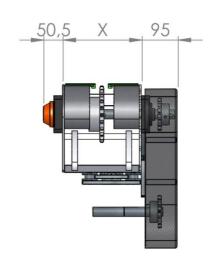
in steel : Z 25 Dp. 153 mm

Standard speed at

50 Hz (m/min) : 6.5, 14, 23, 35.5, 64

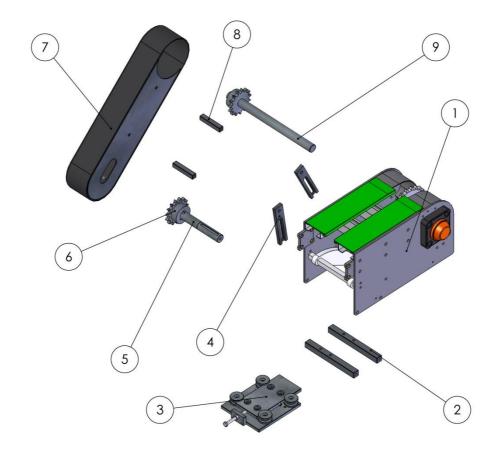








# JOLLYFLEX



Article Number	Description	Article Code
1	MOTOR DRIVE	
2	SPACER FOR RETURN DRIVE UNIT	**
3	SLIDE FOR RETURN DRIVE UNIT	*
4	SAFETY PROTECTION BRACKET	F5TM12
5	DRIVE SHAFT	*
6	SIMPLE SPROCKET	*
7	SAFETY PROTECTION	*
8	SAFETY PROTECTION SPACER	F5TM13
9	MOTORISED SHAFT IN AISI 304	*

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

<sup>\*</sup> Depends on the motor type
\*\* Depends on the chain width





# **HOW TO WRITE THE ORDER CODES FOR MOTOR DRIVES**

Description	Order Code	
Motor drive type	Suspended end Transferred end	: JMP : JMR
	Right: D	Left: S
Drive side		
Motor gear type	Bonfiglioli MVF49 Bonfiglioli W63 SEW WA20 SEW WA30	
Motor gear presence	Yes: Y No: N	
Chain model	882 1873	
Chain width	K750 K1000 K1200	

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

#### Example:

Right suspended end motor drive with gear motor SEW WA30 included and chain model 882 190,5 mm wide.

Cod: JFMP-D-WA30-Y-882-K750

**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



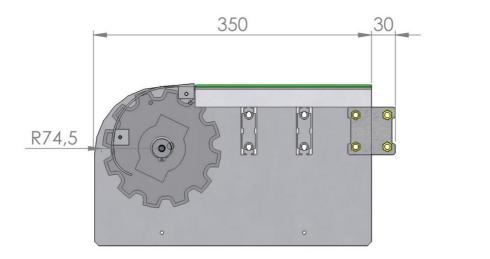


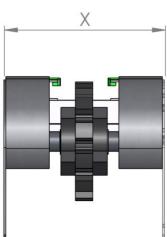
# **Standard Returns**

There are different standard return units to choose from depending on the construction requirements of the conveyor, for speeds of up to 70m/min.

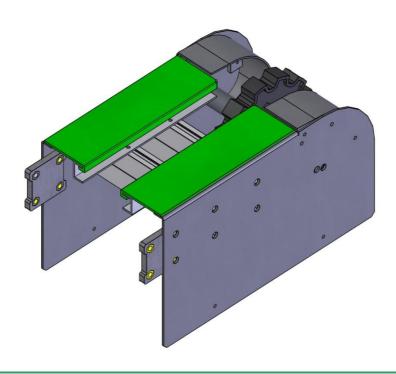
## Model 882

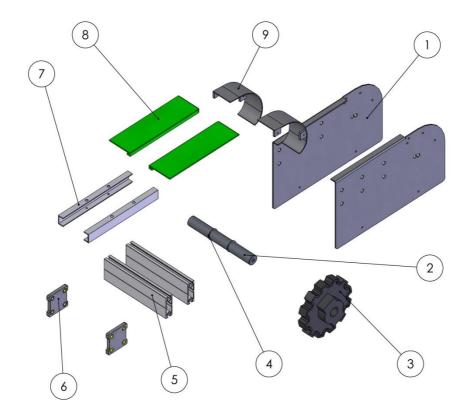
# 180° Long final return





X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain





Article Number	Description	Article Code
1	LEFT/RIGHT PLATE FOR MOTOR DRIVE	P12541
2	RETURN DRIVE SHAFT	*
3	RETURN WHEEL	NSX882
4	SEEGER RING	
5	INTERNAL SPACER	JFDA 6020
6	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
7	U-SHAPED ALUMINIUM PLATE	50500
8	GREEN POLYETHYLENE FOR CHAIN 882	29K
9	ACCIDENT PREVENTION SLIDE	SPT01/2/3

<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

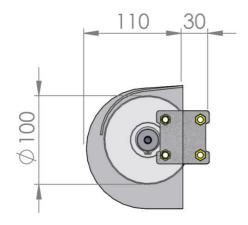
**NOTE:** For speeds above 30 m/min bearings will be mounted on the sprocket

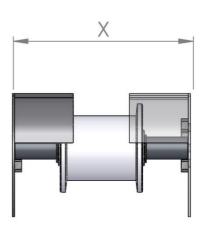
Order Code: JF RL 882 K750

JF RL 882 K1000 JF RL 882 K1200

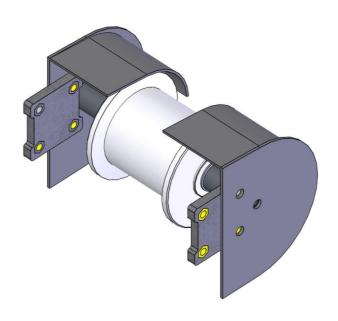


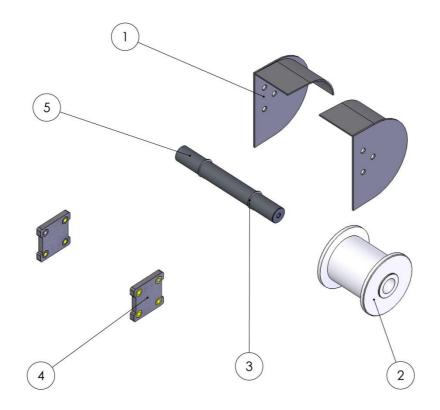
## 180° Short final return





X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain





Article Number	Description	Article Code
1	RIGHT/LEFT PLATE FOR SHORT RETURN MOTOR DRIVE	P14133
2	NYLON ROLLER	*
3	SEEGER RING	
4	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
5	RETURN DRIVE SHAFT	*

\* Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

**NOTE:** For speeds above 30 m/min bearings will be mounted on the roller

Order Code: JF RC 882 K750

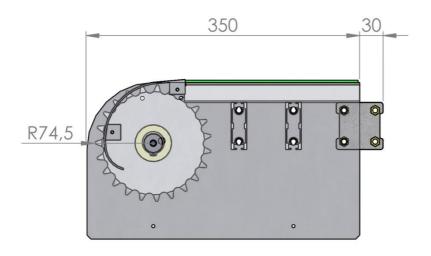
JF RC 882 K1000 JF RC 882 K1200

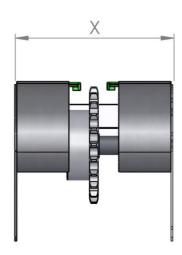




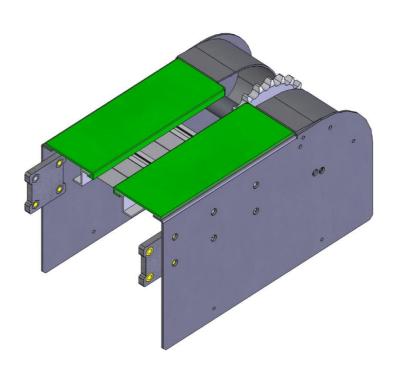
## **Model 1873**

# 180° Long final return

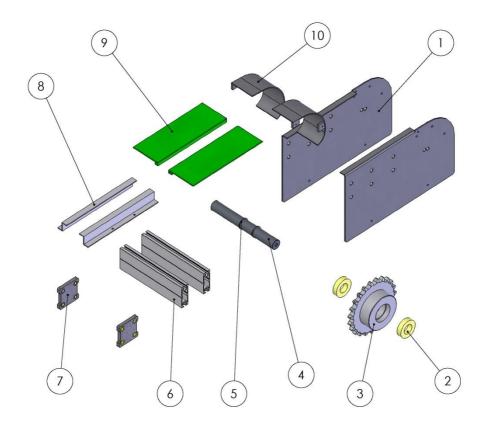




X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain







Article Number	Description	Article Code
1	LEFT/RIGHT PLATE FOR MOTOR DRIVE	P12541
2	BEARINGS	6005-2RS
3	SIMPLE SPROCKET	*
4	RETURN SHAFT	*
5	SEEGER RING	
6	INTERNAL SPACER	JFDA 6020
7	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
8	Z-SHAPED PROFILE	90457
9	GREEN POLYETHYLENE FOR CHAIN 1873	25K
10	ACCIDENT PROTECTION SLIDE	SPT01/2/3

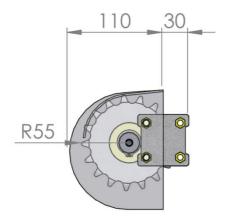
\* Depends on the chain width

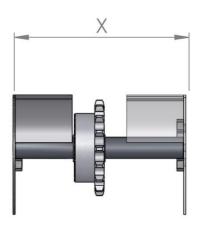
The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

Order Code: JF RL 1873 K750 JF RL 1873 K1000 JF RL 1873 K1200

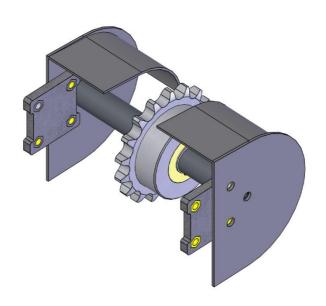


## 180° Short final return

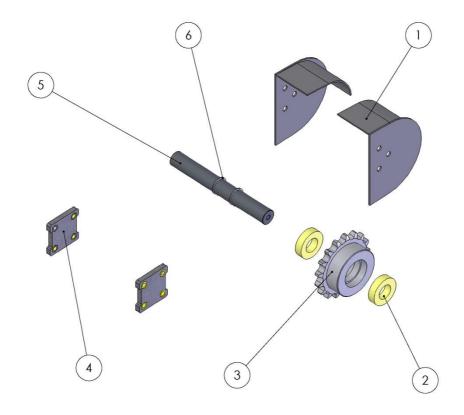




X = 204 mm for K750 chain 268 mm for K1000 chain 319 mm for K1200 chain







Article Number	Description	Article Code
1	LEFT/RIGHT SHORT RETURN END PLATE	P14133
2	BEARINGS	6005-2RS
3	SIMPLE SPROCKEDT	*
4	CAST ALUMINIUM CHANNEL JOINING PLATE	PJF8
5	RETURN DRIVE SHAFT	*
6	SEEGER RING	

<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.

Order Code: JF RC 1873 K750 JF RC 1873 K1000 JF RC 1873 K1200



# **SUMMARIZING TABLE OF ORDER CODES FOR MOTOR DRIVES**

Description	Order Code	
Return type	180° Long final return 180° Short final return	: JFRL : JFRC
Chain model	882 1873	
Chain width	K750 K1000 K1200	

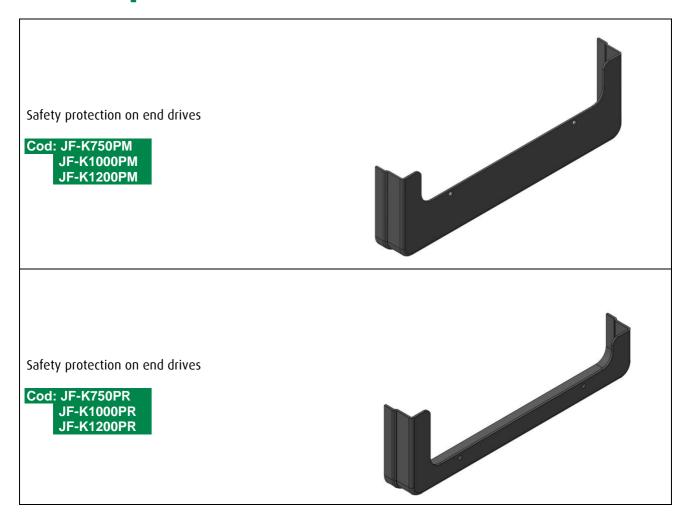
Example:

180° Long final return for chain model 882 190,5 mm wide. Cod: JFRL-882-K750





# Accident protection devices on the end drives







### Curves

### Model 882

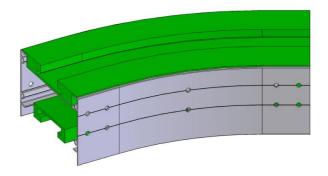
## Flat sliding curves

The dimensions of flat sliding curves change depending on the chain width and model.

The standard versions are: 30°-45°-60°-90°.

On request, curves with different radii from the standard model can be built, such as very wide radius curves for very long products.

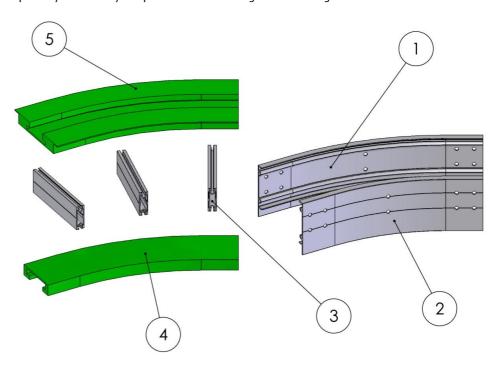
Sliding curves raise the chain's working tension. It is then necessary to consider this when designing the conveyor.



Article Number	Description	Article Code
1	EXTERNAL FLAT CURVE	*
2	INTERNAL FLAT CURVE	*
3	INTERNAL SPACER	*
4	LOWER CHAIN SLIDEWAY	JFCSR 882
5	UPPER CHAIN SLIDEWAY	JFCSA 882

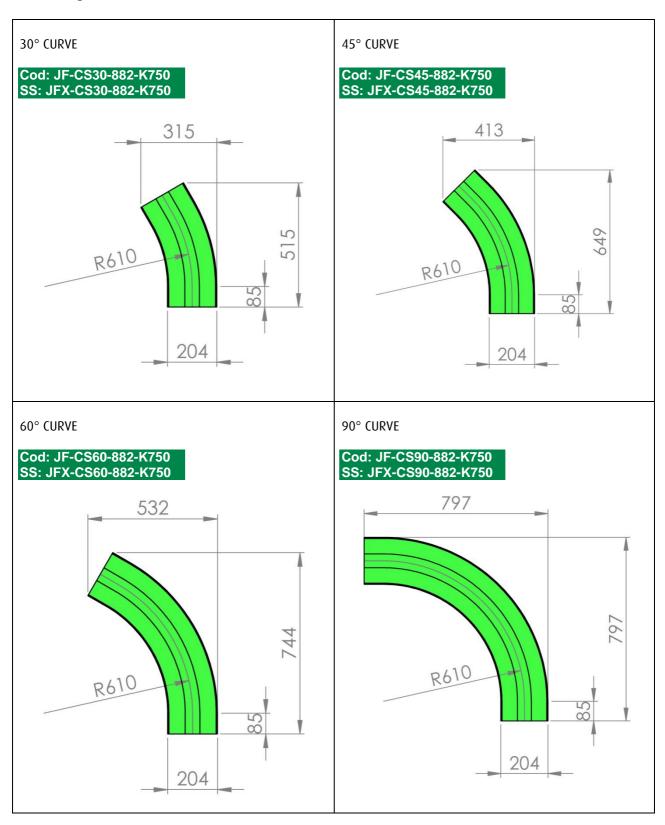
<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.



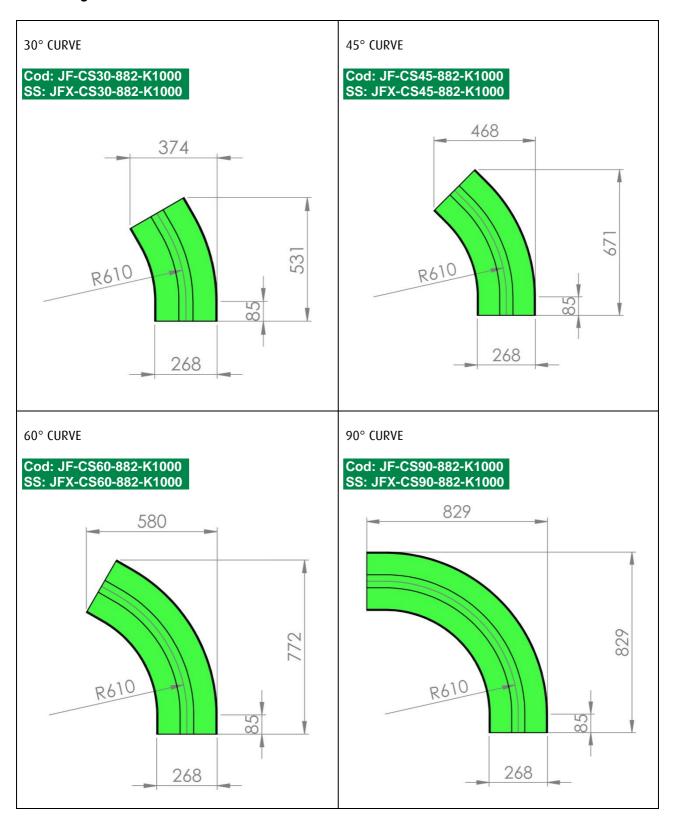


## Flat sliding curves for K750 chain



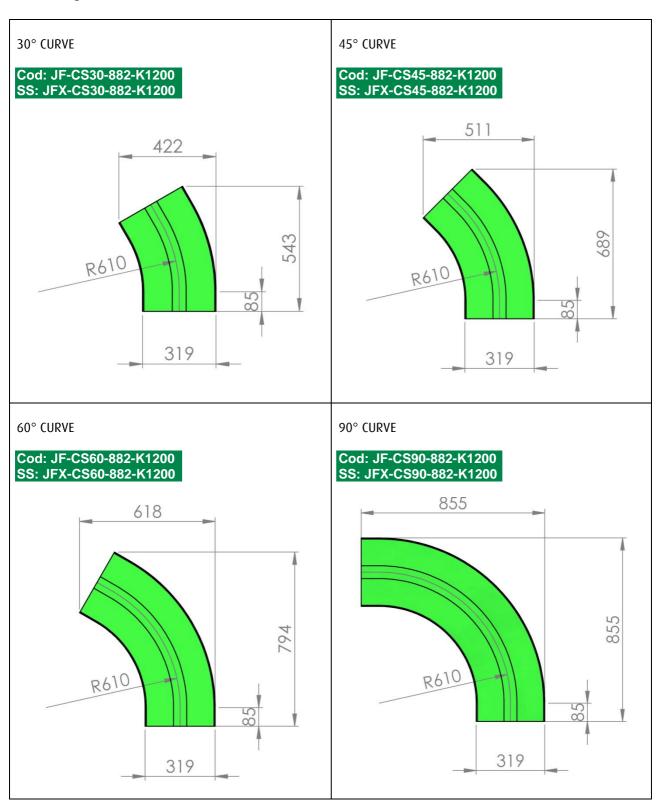


#### Flat sliding curves for K1000 chain





## Flat sliding curves for K1200 chain

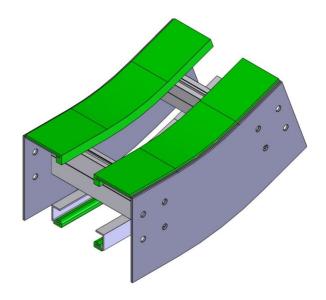






## **Vertical sliding curves**

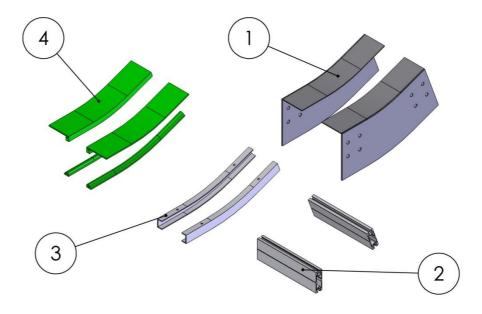
This type of curve is used to form climbing or descending paths with slants that normally are greater than 11°. In these cases, the conveyor chain must have flights to ensure that the pieces are handled correctly. Vertical curves are made in satin finish stainless steel and are available in two different configurations: upward or downward. These are not interchangeable: always remember to specify the direction of motion of the chain when placing the order.



Num. Articolo	Descrizione	Codice Articolo
1	SIDE	*
2	SPACER	÷
3	U-SHAPED ALUMINIUM PROFILE	50500
4	CHAIN SLIDEWAY	*

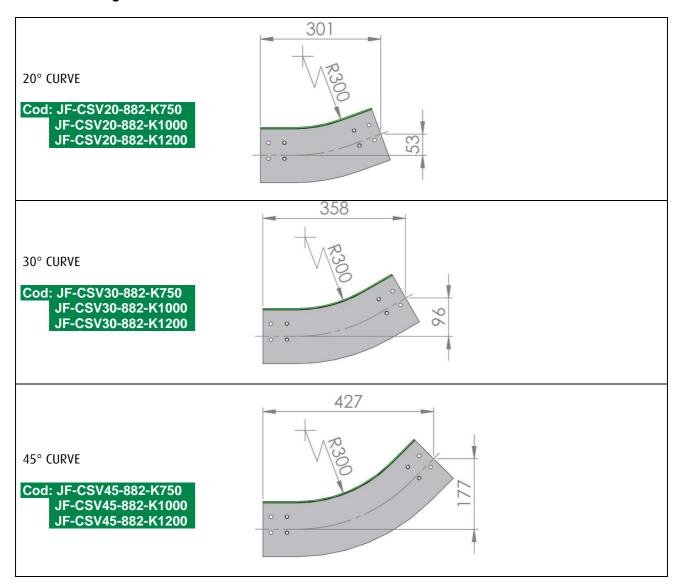
<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.





#### **Vertical sliding curves**





#### **Model 1873**

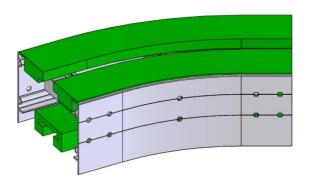
## Flat sliding curves

The dimensions of flat sliding curves change depending on the chain width and model.

The standard versions are: 30°-45°-60°-90°.

On request, curves with different radii from the standard model can be built, such as very wide radius curves for very long products.

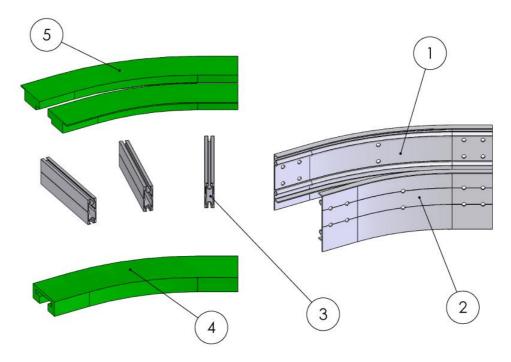
Sliding curves raise the chain's working tension. It is then necessary to consider this when designing the conveyor.



Article Number	Description	Article Code
1	EXTERNAL FLAT CURVE	*
2	INTERNAL FLAT CURVE	*
3	INTERNAL SPACER	*
4	LOWER CHAIN SLIDEWAY	JFCSR 1873
5	UPPER CHAIN SLIDEWAY	JFCSA 1873

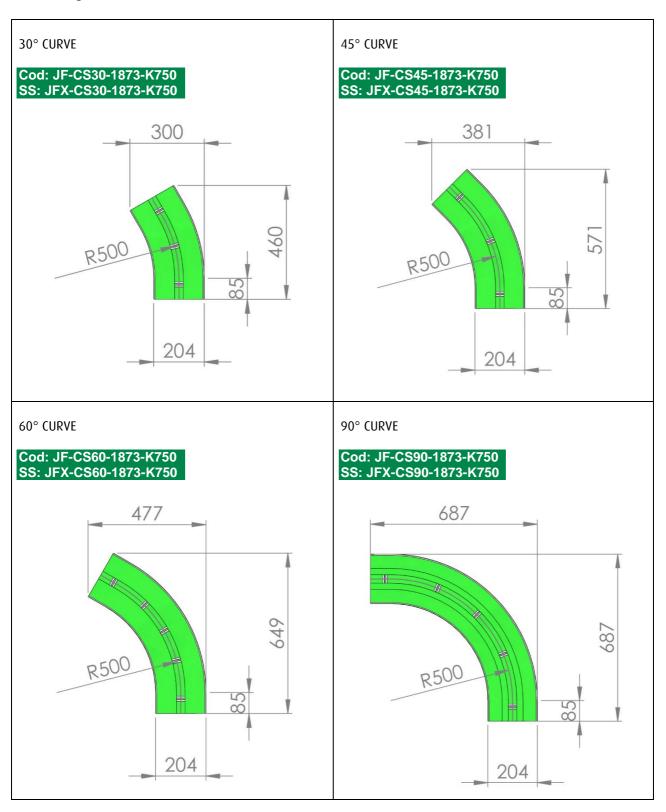
<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.



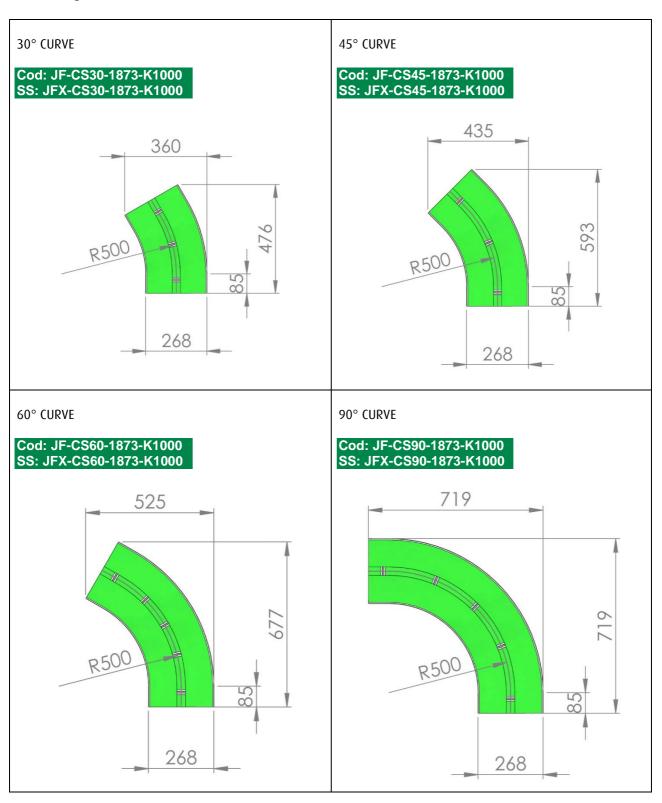


## Flat sliding curves for K750 chain



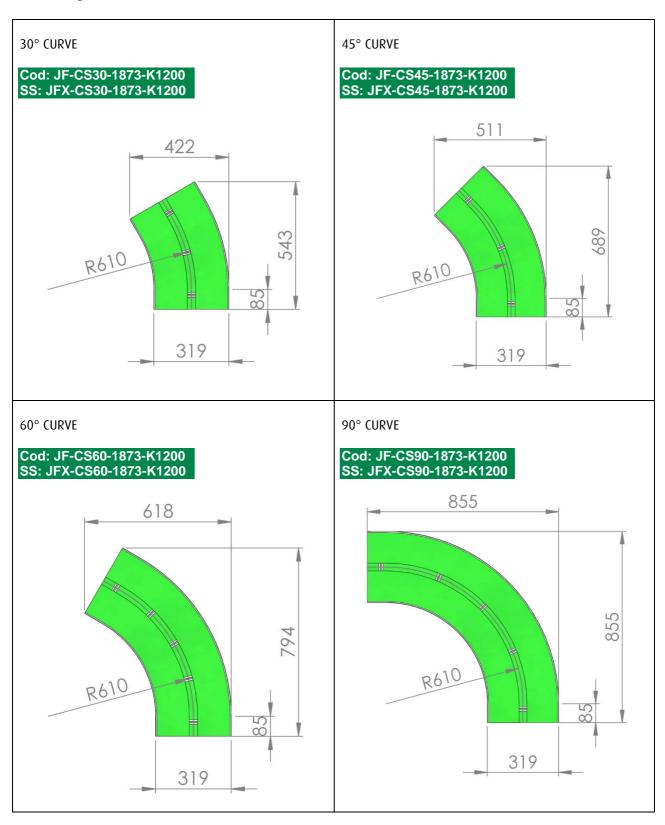


## Flat sliding curves for K1000 chain





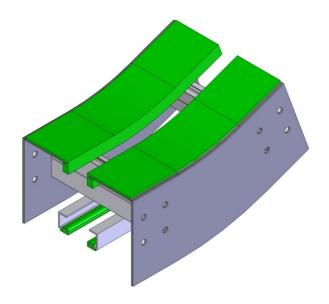
## Flat sliding curves for K1200 chain





## **Vertical sliding curves**

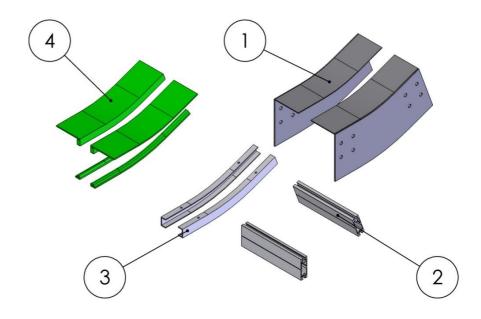
This type of curve is used to form climbing or descending paths with slants that normally are greater than 11°. In these cases, the conveyor chain must have flights to ensure that the pieces are handled correctly. Vertical curves are made in satin finish stainless steel and are available in two different configurations: upward or downward. These are not interchangeable: always remember to specify the direction of motion of the chain when placing the order.



Num. Articolo	Descrizione	Codice Articolo
1	SIDE	*
2	SPACER	*
3	U-SHAPED ALUMINIUM PROFILE	50500
4	CHAIN SLIDEWAY	÷

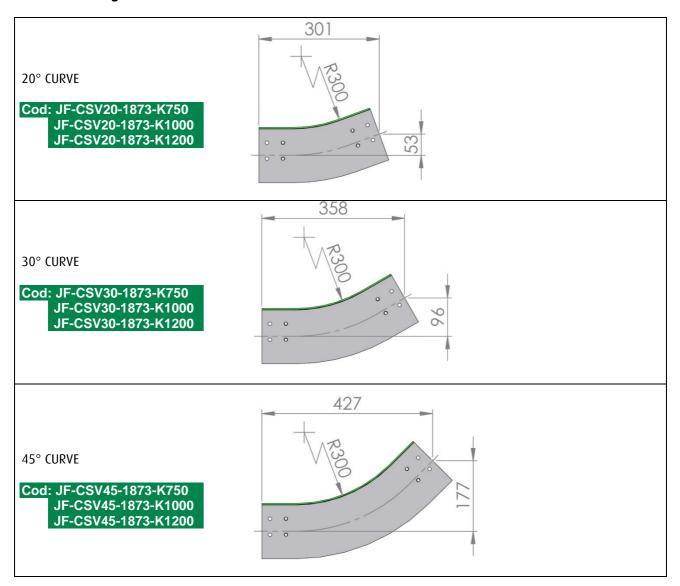
<sup>\*</sup> Depends on the chain width

The parts indicated are not sold separately unless they are present in this catalogue in the designated section.





#### **Vertical sliding curves**





## **SUMMARIZING TABLE OF ORDER CODES FOR CURVES**

Description	Order Code			
Curve type	Flat sliding curve Vertical sliding curve	: JFCS : JFCSV		
Material	Standard Aluminum: Stainless Steel: X			
Degrees	20 (standard only for vertical 30 45 60 90 (In case of realization of curves with out of stan insert required degrees)			
Chain model	882 1873			
Chain width	K750 K1000 K1200			
Average Radius (Only in case of out of standard curves)	Specify average radius dimension	on in mm		

Example of standard curve order code:

30° Flat sliding curve for chain model 882 190,5 mm wide

Cod: JFCS-30-882-K750

Example of out of standard curve order code:

15° Vertical sliding curve with a average radius of 500 mm for chain model 1873 254 mm wide Cod: JCSV-15-1873-K1000-R500





## **Lateral guides**

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

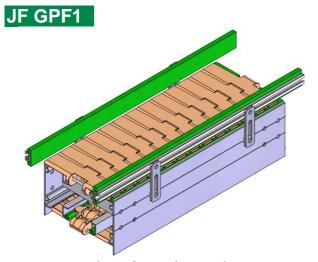
The guides shown below can be either fixed or adjustable, depending on client needs.

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.

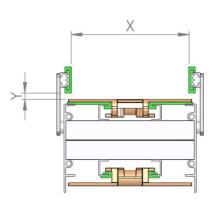
Making guides in curves are no problem when using fixed guides. For adjustable guides for curves, please contact our Technical Office.

## **Fixed guides**



#### Composition (per channel meter):

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



#### Clearance:

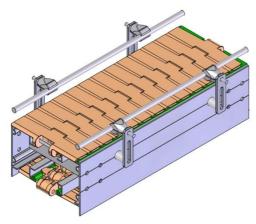
X : 181 mm minimum\* (K750) 245 mm minimum\* (K1000) 309 mm minimum\* (K1200) Y : 3 ÷ 19 mm\*

The Y dimension varies through the slot in the PSG95 plate.

<sup>\*</sup> The X dimension changes with the length of the aluminum spacer.

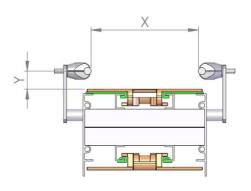


#### JF GPF3



## Composition (per channel meter):

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



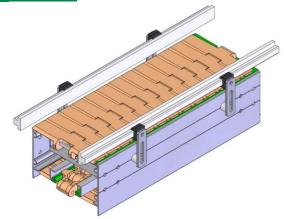
#### Clearance:

X : 136 mm minimum\* (K750) 200 mm minimum\* (K1000) 264 mm minimum\* (K1200)

Y : 15 ÷ 28,5 mm\*

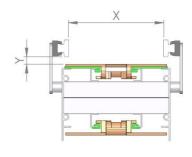
The Y dimension varies through the slot in the PSG95 plate.

## JF GPF6



## Composition (per channel meter):

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



#### Clearance:

X : 154 mm minimum\* (K750) 218 mm minimum\* (K1000) 282 mm minimum\* (K1200)

Y : 3 ÷12 mm\*

The Y dimension varies through the slot in the PSG95 plate.

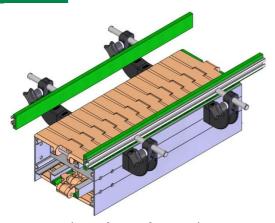
<sup>\*</sup> The X dimension changes with the length of the aluminum spacer.

 $<sup>\</sup>ensuremath{^{*}}$  The X dimension changes with the length of the aluminum spacer.



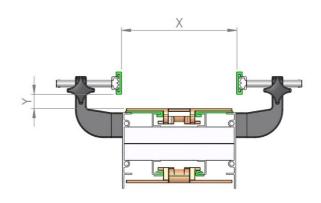
## Adjustable guides

## JF GPR4



#### Composition (per channel meter):

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



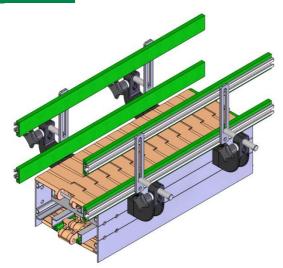
#### Clearance:

X : 75 ÷ 215 mm\* (K750) 139 ÷ 279 mm\* (K1000) 203 ÷ 343 mm\* (K1200)

Y : 3 ÷ 24 mm\*

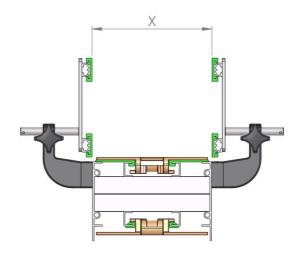
\* The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin. The Y dimension is Y varies through the slot in the SG11 support and on the DS11 spacer.

## JF 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



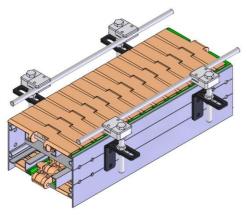
#### Clearance:

X : 60 ÷ 200 mm\* (K750) 124 ÷ 264 mm\* (K1000) 188 ÷ 328 mm\* (K1200)

<sup>\*</sup> The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.

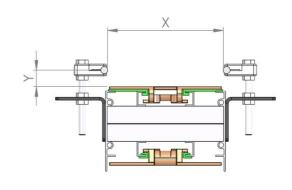


### JF GPR7



#### Composition (per channel meter):

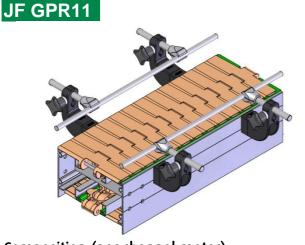
GL12SS : 2 m M240-241 : 4 pieces Bracket 244 : 4 pieces Screws M12x120 : 4 pieces PS6020 20/40/60 : 4 pieces



#### Clearance:

X : 75 ÷ 198 mm\* (K750) 139 ÷ 262 mm\* (K1000) 203 ÷ 326 mm\* (K1200) Y : 3 ÷ 67 mm\*

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



## Composition (per channel meter):

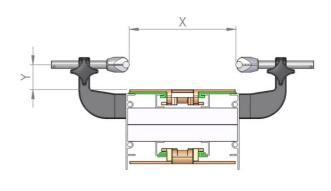
GL12SS : 2 m

MGT12 : 4 pieces

SG11 : 4 pieces

SG11DS11 : 4/8/12 pieces

PFG14 : 4 pieces



#### Clearance:

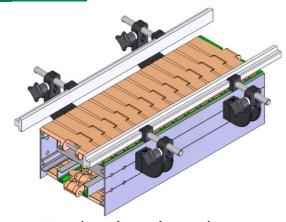
X : 30 ÷ 170 mm\* (K750) 94 ÷ 234 mm\* (K1000) 158 ÷ 298 mm\* (K1200)

Y : 24 ÷ 44 mm\*

\* 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.



## JF GPR17



## Composition (per channel meter):

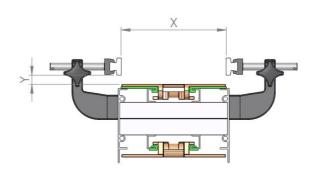
GL31SS : 2 m

MGL31SS : 4 pieces

SG11 : 4 pieces

DS11 : 4/8/12 pieces

PFG14 : 4 pieces



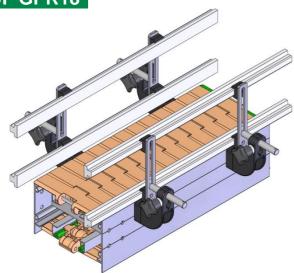
#### Clearance:

X : 48 ÷ 188 mm\* (K750) 112 ÷ 252 mm\* (K1000) 176 ÷ 316 mm\* (K1200)

Y : 8 ÷ 28 mm\*

\* 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.

## JF GPR18



#### Composition (per channel meter):

GL31SS : 4 m

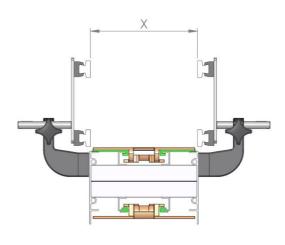
MGL31SS : 8 pieces

SG11 : 4 pieces

DS11 : 4/8/12 pieces

PFG14 : 4 pieces

PSG160 : 4 pieces



#### Clearance:

X : 32 ÷ 172 mm\* (K750) 96 ÷ 236 mm\* (K1000) 160 ÷ 300 mm\* (K1200)

<sup>\*</sup> The X dimension depends on the number of DS11 spacers used and the adjustment provided by the PFG14 pin.

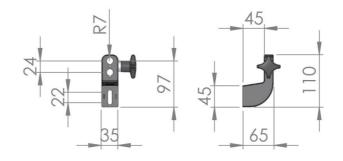


## **Lateral guides accessories**

## **Support**

Material : Polyamide
Colour : Black
Packaging : 10 pieces

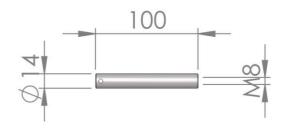
Order Code: SG11



## Guide fastening pin

Material : Stainless steel
Packaging : 10 pieces

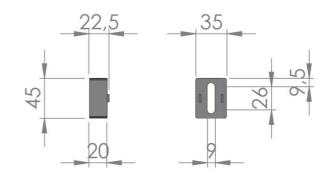
Order Code: PFG14



## **Support spacer**

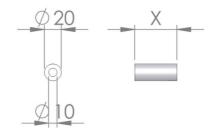
Material : Polyamide
Colour : Black
Packaging : 10 pieces

Order Code: DS11



Material : Anodized aluminum
Packaging : Custom cut into bars

Order Code: DS2010A

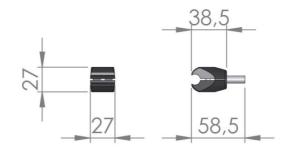




## **Guide support clamps**

Material : Polyamide
Colour : Black
Packaging : 10 pieces

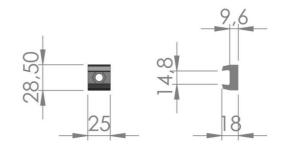
## Order Code: MGT12



Material : Polyamide Colour : Black

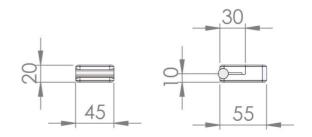
Packaging : 20 pieces with bolts

#### Order Code: MGL31SS



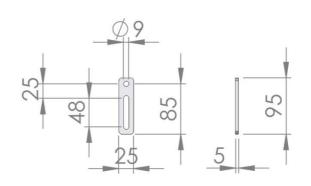
Material : Aluminum
Packaging : 10 pieces

#### **Order Code: MGTB**



Material : Stainless steel
Packaging : 10 pieces

#### **Order Code: PSG95**

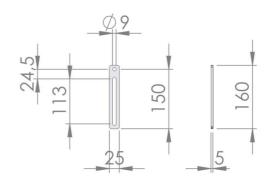




Material : Stainless steel

Packaging : 10 pieces

## Order Code: PSG160

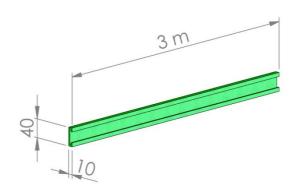


#### **Profiles**

Material : Polyethylene

Colour : Green Length : 3 m

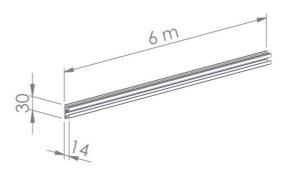
#### Order Code: GL40P



Material : Anodized aluminum

Length : 6 m

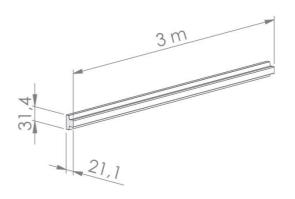
#### Order Code: GL30A



Material : Stainless steel and Polyamide

Colour : White Length : 3 m

#### Order Code: GL31SS







Material : Stainless steel

Length : 3/6 m

## Order Code: GL12SS

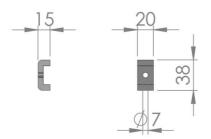


## Intermediate guide (GLP40) clamps

Material : Polyamide Colour : Black

Packaging : 10 pieces with screws

Order Code: MBPI

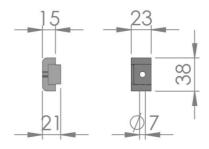


## Guide (GLP40) clamp for curves

Material : Polyamide Colour : Black

Packaging : 10 pieces with screws

Order Code: MBPC

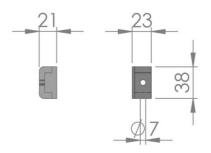


## Terminal guide (GLP40) clamp

Material : Polyamide Colour : Black

Packaging : 10 pieces with screws

Order Code: MBPT







## **Conveyor support systems**

## J S1

JS1 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 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.

JS1 simple model is suitable for Jollyflex conveyors with K750 and K1000 chains.

JS1 double model (JS1D) 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 K1200 chain.

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 chain plan can be adjust between a standard regulation of  $\pm$  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: JS1



### Composition:

Stainless steel Ø 48 mm tubular

GF50 : 1 piece RP80 : 3 pieces

**Order Code: JS1R** 





## Composition:

Stainless steel Ø 48 mm tubular

GF70 : 2 pieces PSR60 : 3 pieces

Order Code: JS1D

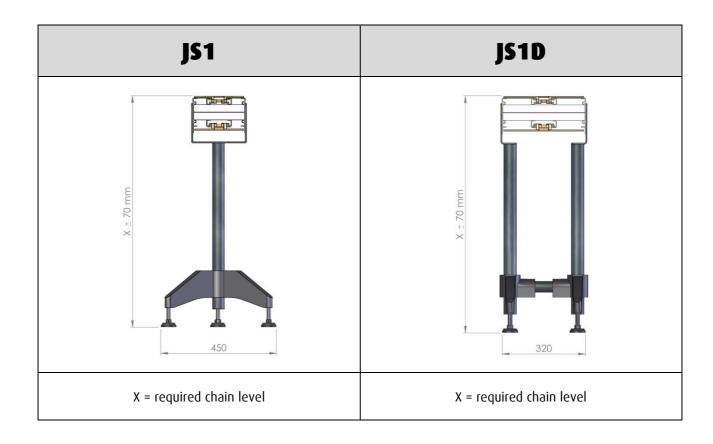


## Composition:

Stainless steel Ø 48 mm tubular

GF70 : 2 pieces RP80 : 3 pieces

Order Code: JS1DR







#### JS2D - JS5D

JS2D and JS5D systems support are composed of a two-legged frame built with a painted iron or stainless steel square tubular of two different dimensions:

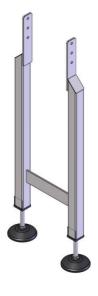
- 40x40 mm for JS2D system
- 50x50 mm for JS5D system

The feet at the base of the frame are in polyamide and are adjustable in height, with a maximum of  $\pm$  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 Jollyflex conveyor, independently of the width of the chain 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

Composition:

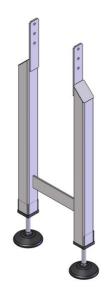
Square tubular frame 40x40 mm RP80

: 2 pieces

Order Code: JS2DR

Order Code: JS2D

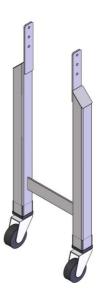




## Composition:

Square tubular frame 50x50 mm PSR100

: 2 pieces



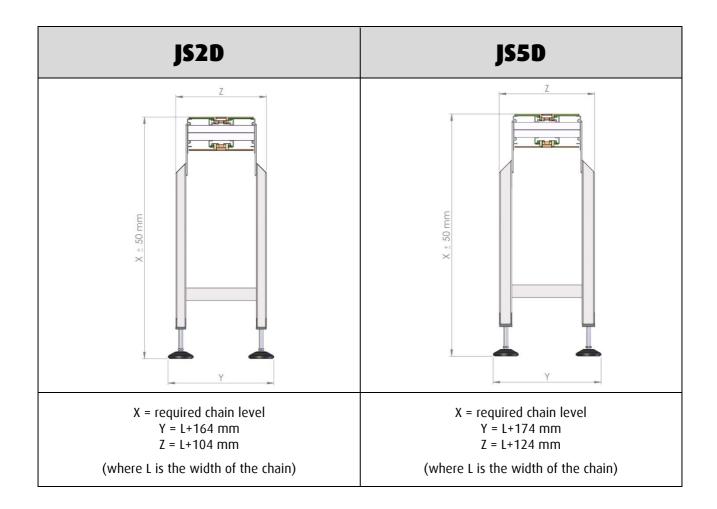
#### Composition:

Square tubular frame 50x50 mm RP80

: 2 pieces

**Order Code: JS5D** 

Order Code: JS5DR







#### JS3-JS4

JS3 and JS4 systems support are composed of two-legged frame built with a anodized aluminum profile of different dimensions:

- 40x40 mm for JS3 system
- 80x40 mm for JS4 system

The feet at the base of the frame are in polyamide and are adjustable in height, with a maximum of  $\pm$  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 Jollyflex conveyors, depending on the width of the chain that is used:

JS3 simple model is suitable for Jollyflex conveyors with K750 and K1000 chains

JS3D model is suitable for Jollyflex conveyors with K1200 chain

JS4D model is suitable for every Jollyflex 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: JS3



### Composition:

Frame in aluminum profile 40x40 mm

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

Order Code: JS3R





#### Composition:

Frame in aluminum profile 40x40 mm

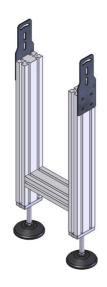
 SFC40
 : 2 pieces

 BPSA4040
 : 2 pieces

 PS4040
 : 3 pieces

 PSR100
 : 2 pieces

#### Order Code: JS3D



#### Composition:

Frame in aluminum profile 80x40 mm

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

Order Code: JS4D



#### Composition:

Frame in aluminum profile 40x40 mm

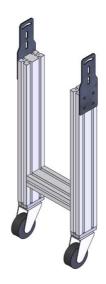
 SFC40
 : 2 pieces

 BPSA4040
 : 2 pieces

 PS4040
 : 3 pieces

 RP80
 : 2 pieces

#### Order Code: JS3DR



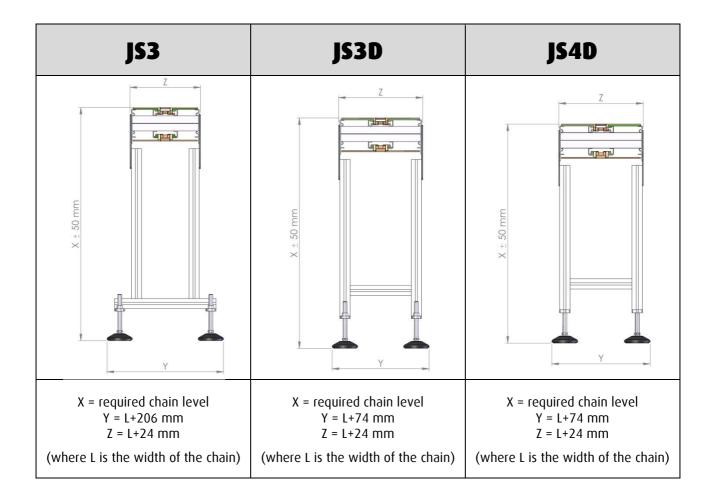
#### Composition:

Frame in aluminum profile 80x40 mm

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

Order Code: JS4DR









# HOW TO WRITE THE ORDER CODES FOR CONVEYOR SUPPORT SYSTEMS

Description	Order Code
Support type	JS1R JS1D JS1DR JS2D JS2DR JS3 JS3R JS3D JS3DR JS4D JS4DR JS4DR JS5D
Material (if available)	Stainless Steel: X
Chain width	K750 K1000 K1200
Chain plan height	H followed from the height measure of the chain plan in mm

Example:

S5D support in stainless steel height 915 mm for a chain 190,5 mm wide

Cod: JS5D-X-K750-H915





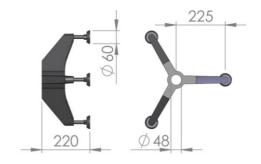
## **Conveyor support accessories**

## Support base with feet

Material : Reinforced polyamide

Colour : Black
Packaging : 8 pieces

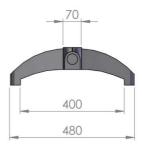
#### Order Code: GF50

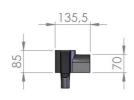


Material : Reinforced polyamide

Colour : Black
Packaging : 8 pieces

#### Order Code: GF70

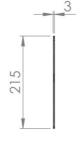


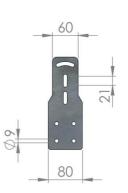


## **Channel fastening brackets**

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

#### Order Code: MFS

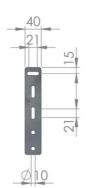




Material : Stainless steel
Packaging : 10 Pieces

Order Code: SFC40





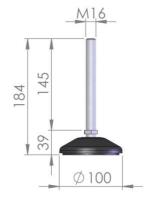


## **Support feet**

Material : Galvanized steel and Polyamide

Colour : Black
Packaging : 10 pieces

Order Code: PSR100



Material : Galvanized steel and Polyamide

Colour : Black
Packaging : 10 pieces

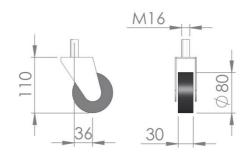
Order Code: PSR60



Material : Galvanized steel and rubber

Packaging : 1 piece

Order Code: RP80



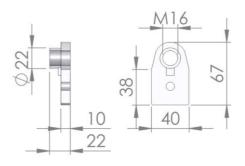


#### Sanded aluminum bases

Material : Sanded aluminum

Packaging : 10 Pieces

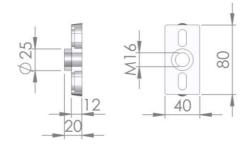
#### Order Code: BPSA4040



Material : Sanded aluminum

Packaging : 10 Pieces

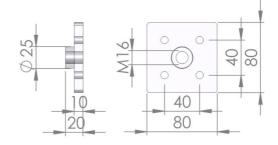
#### Order Code: BPSA8040



Material : Sanded aluminum

Packaging : 10 Pieces

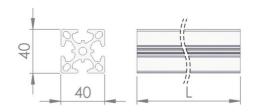
#### Order Code: BPSA8080



## **Support profiles**

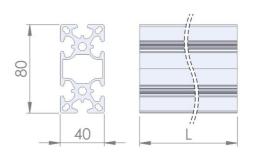
Material : Anodized aluminum
Length : 3÷6 meters in bars

Order Code: PS4040



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

Order Code: PS8040



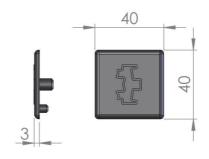




## **Profile cap**

Material : Polyamide
Colour : Black
Packaging : 10 pieces

## Order Code: TC4040

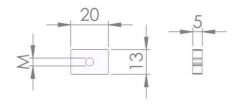


## **Square nuts**

Material : Galvanized steel

Stainless steel

Packaging : 100 pieces



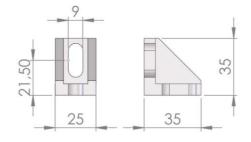
#### Order Code: DRM4/5/6/8

## **Connecting angles**

Material : Sanded aluminum

Packaging : 10 Pieces

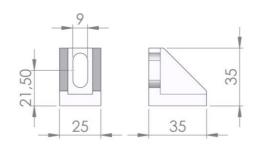
Order Code: AC3525



Material : Sanded aluminum

Packaging : 10 Pieces

#### Order Code: AC3525C

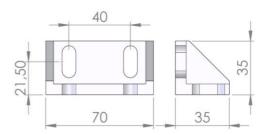




Material : Sanded aluminum

Packaging : 10 Pieces

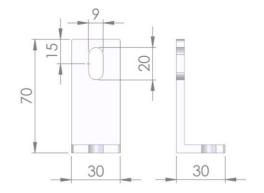
## Order Code: AC3570



Material : Anodized aluminum

Packaging : 10 Pieces

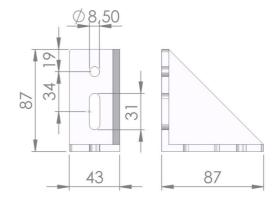
#### Order Code: AC3070



Material : Sanded aluminum

Packaging : 10 Pieces

## Order Code: AC4387



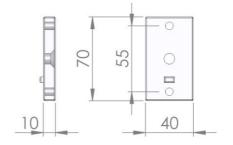


## Profile joining plate

Material : Sanded aluminum

Packaging : 10 Pieces

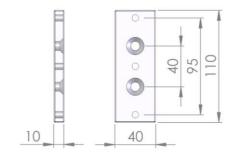
Order Code: PG4040



Material : Sanded aluminum

Packaging : 10 Pieces

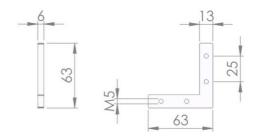
Order Code: PG8040



Material : Galvanized steel

Packaging : 10 Pieces

Order Code: PG630/45/60/90







## **Stainless steel JOLLYFLEX**

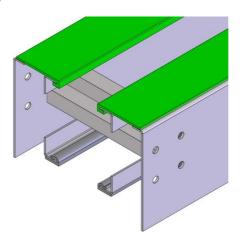
For lines in which the conveyor touches the naked product or where it is necessary that the conveyor channel not have slots or for specific requests, a version of Jollyflex made in stainless steel is available, complete with all the accessories.

Please specify the type of material required for the line when placing the order:

- the simple stainless steel line has a smooth side without slots made in steel sheet, but it still has aluminum spacers inside. The same is true for the curves, end drives and end returns, which all have standard components in aluminum in their interiors.

  This type of line is indicated as IFX
- The washable stainless steel line, instead, is made with stainless steel components created specifically for lines that must be washable. In addition to the smooth side without slots, the spacers inside are all made in round stainless steel bars. Even the slide curves, motor drive ends and return ends are all made so that the conveyor can be washed completely.

  This type of line is indicated as JFW

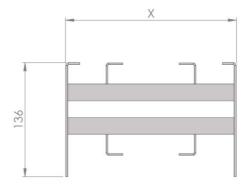


## Jollyflex chain guide channel in stainless steel

Material : Stainless steel

Length : 3 m





#### Ordering:

To order the pre-mounted channel, please specify the type of chain you want to use and its width (for this information, see the following pages regarding standard chains), the number of pieces desired and their lengths: the cost of each piece, calculated per meter, will be rounded to the next half meter.

An example of an order code for a channel piece could be: Jolly Flex Washable Channel with model 882 chain 190,5 mm wide and 1700 mm long = JF-882-K750-1200

The cost for a channel like the one in the example would be the same as for a channel 1500 long.