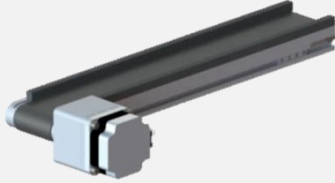


## Guideline TB30 configurator

This document contains additional information to guide the user through each selection.

### FORM Construction type selection

#### TB30 single belt



Suited for the transport of small and middle sized workpieces.

#### TB30 dual belt



Suited for standard applications as well as specific uses, including operations from the bottom such as visual inspection or manipulation.

Belt support measures: 2x16 mm

#### TB30 tandem

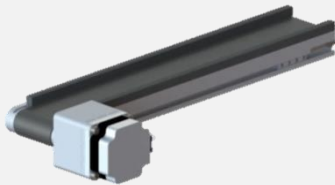


Suited for large pallets, boxes and workpiece carriers etc.

The distance between the two conveyors can be chosen freely up to a total width of 1000 mm.

### AN Drive concept selection

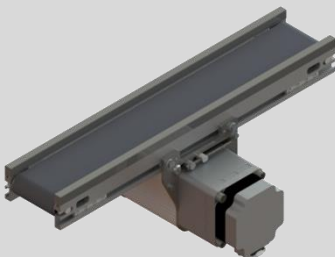
#### End drive



Best price solution.

The drive unit is fixed at one end of the conveyor.

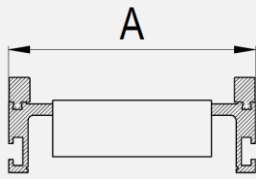
#### Center drive



The drive unit is positioned below the conveyor. It can afterwards still be moved freely along the chassis.

Suited for applications where several conveyors are placed side by side.

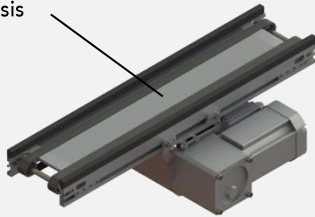
## A Chassis width



Select the desired chassis width. The conveying width will be selected further on and is always a little narrower than the chassis width. Therefore, choose the chassis width a little broader than your desired conveying width.

## GB Gliding plate

Gliding plate between belt and chassis



In case of heavy loads, we recommend the use of the gliding plate (stainless steel), especially in buffering mode. It prevents the chassis from excessive abrasion.

In case of dual belt, the gliding plate is mandatory and is therefore selected automatically.

## OPM Operating mode

- Conveying mode
- Buffering mode
- Start-Stop-mode

Chose the desired operating mode.

Chose conveying mode for simple transportation from A to B.

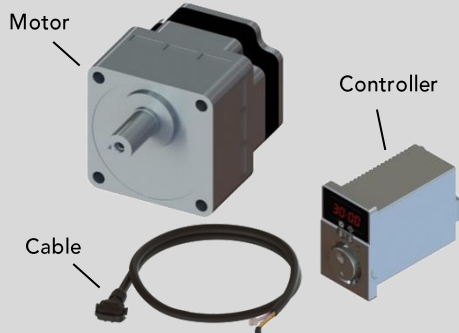
Chose buffering mode if you intend to buffer workpieces on top of the conveyor.

Chose Start-Stop for cyclic conveying from A to B.

## GK/AS Fixed or variable speed / Supply voltage

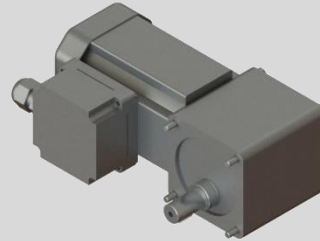
Two types of motors are available, a brushless DC-Motor and a 3-Phase motor. When having fixed speed, both motors are available. For continuously variable speeds, we offer the brushless DC-Motor.

### brushless DC-Motor



**Supply voltage:**  
1x200-240V, 50Hz  
1x100-120V, 60Hz  
**Conveying speed:**  
fixed and variable

### 3-Phase motor



**Supply voltage:**  
3x400V, 50Hz  
**Conveying speed:**  
fix

## KAB Cable length



**Cable lengths:**  
1m / 5m / 10m

Select the cable length between controller and motor if having selected the brushless DC-Motor.

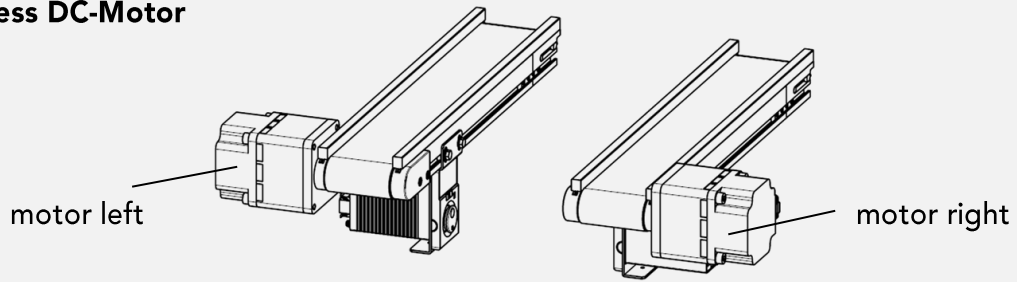
Is the controller installed directly on the conveyor, a cable with 1 m of length is enough in most cases. Is the controller installed in a control cabinet, cable lengths of 5 or 10 m are available.

This selection does not concern the 3-Phase motor

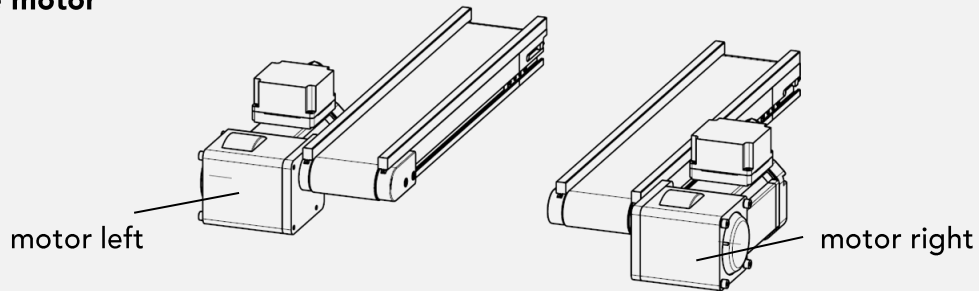
**MP** | **Position of the motor**

(This selection applies only to conveyors with end drive)

**brushless DC-Motor**

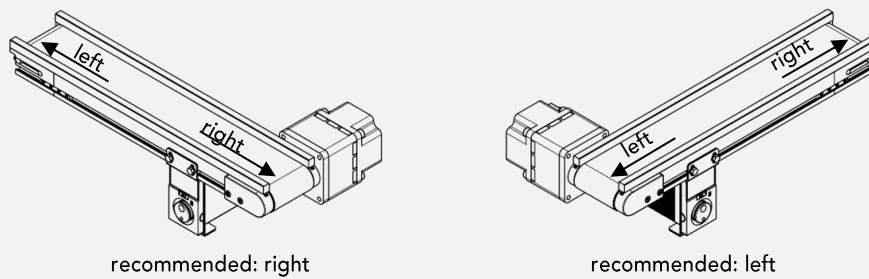


**3-Phase motor**

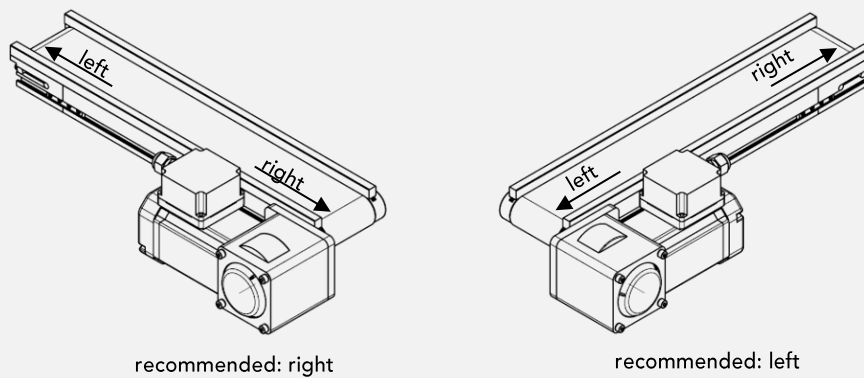


**TR** | **Direction of travel**

**brushless DC-Motor**



**3-Phase motor**

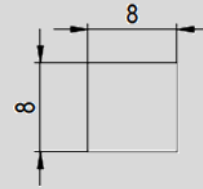


## STA Selection of cleats

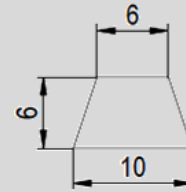
Cleated belts are available for conveyors with end drive. Two standard types are available, one in square shape, the other trapezoidal. Cleated belts are not available for conveyors with center drive.

Available cleats:

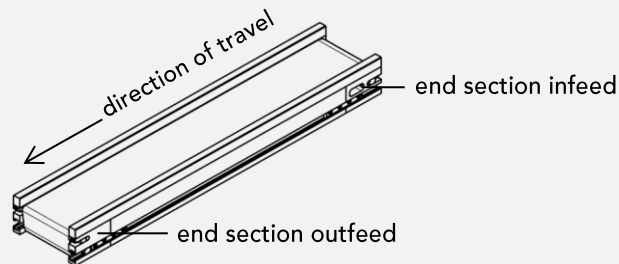
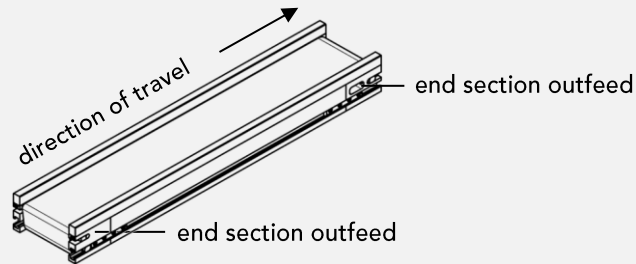
**PQF-8**



**PVF-10**



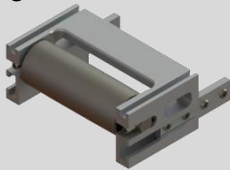
## BE/BA End section infeed / end section outfeed



### Available are the following end sections:

End section with deflection roller  $\text{Ø}30$

single belt / tandem

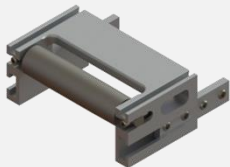


dual belt



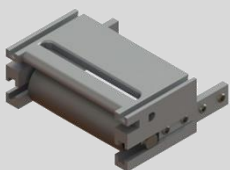
By default, an end section with a deflection roller  $\text{Ø}30$  is used. However, it is not available when using cleated belts.

End section with deflection roller  $\text{Ø}20$



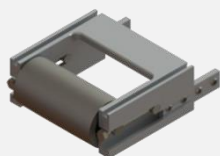
The end section with deflection roller  $\text{Ø}20$  is only available for center drive. Depending on length and load, it might not be selectable in some cases.

End section with nose bar R4 (radius 4mm)



The end section with nose bar radius 4 is only available for center drive. Depending on length and load, it might not be selectable in some cases.

End section with deflection roller  $\text{Ø}40$



The end section with deflection roller  $\text{Ø}40$  is only available when having selected cleated belts.

**EM** | **Actual load to be transported**

Select the actual load to be transported.

**Note!** – The load should be selected as precise as possible because the higher the load is, the shorter will be the selectable conveyor length. In addition, some belts might not be selectable because of strength.

**PKG** | **Price category belt**

The belts are divided into different price categories-

Depending on the selection the corresponding belts are shown below **BELT**.

**BELT** | **Belt type**

Depending on conveyor length, load or roller diameter of the end section, it is possible that some types of belts are not selectable. Additionally, not all belts are suitable for cleats, which is the reason that these belts may not be available for selection. If the desired belt is not shown, try the following:

- Reduce load at **EM**
- Increase the end section-Ø at **BE/BA**
- Forego the nose bar at **BE/BA**
- Forego cleated belts at **STA**
- Broaden the chassis width at **A**

**PDFBELT** | **PDF Data sheet of the beltEinsicht PDF Datenblatt**

The data sheet of the above selected belt can be downloaded here.

**BK** | **Conveying speed**

Select the maximum conveying speed needed for the application.

## L Total length

The max. selectable total length depends on the load, the end section and the belt type. If the selectable total length is not enough for your application, try the following:

- Reduce the load at **EM**
- Select a different type of belt at **BELT**
- Select end sections with deflection roller  $\varnothing 30$  at **BE/BA** (if not already done, and if available for selection)
- Use multiple conveyors in series.

Have a look at the dimension diagram in the configurator for details about total length.

Suchen

Transportband\_TB30-45\_Eingurt\_Kopfantrieb  
Montech Configurator > Förderbänder > TB30 - Transportband

Zum Warenkorb hinzufügen

Auswählbare Produkte: 1

FORM Form	TB30 Eingurt
AN Antrieb	Kopfantrieb Mittenantrieb

Vorschau Maßbild

Dies ist eine vorgenerierte Standardansicht, die sich von Ihrer Auswahl unterscheiden kann.

The technical drawing illustrates a conveyor system with various components and dimensions. It includes a side view of the conveyor belt and a top-down view of the drive mechanism. Dimensions are indicated by blue lines and numbers. Labels include 'Montech / Antrieb roller', 'Montech / Überlauf roller', 'Belt', 'Transportrichtung', and 'Antrieb'. A legend at the bottom of the drawing identifies the symbols used for the belt, transport direction, and drive.

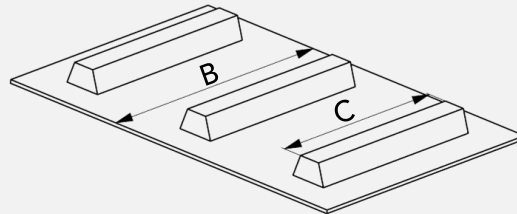


**SA** | **Number of cleats**

Select the desired amount of cleats on the belt. The cleats are allocated in equal distances from each other. Below, at **SAA**, the resulting distance is shown.

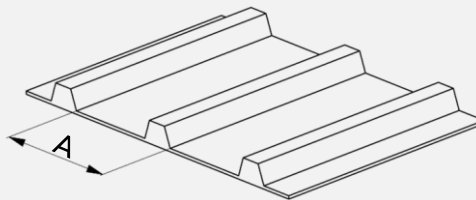
**SB** | **Width of cleats**

The width of the cleats C is at least 5 mm and maximum the same as the belt width B.



**SAA** | **Distance of cleats**

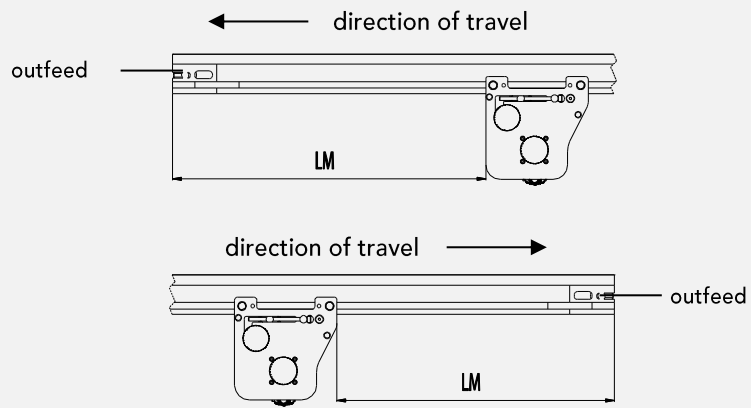
This value shows the distance A between the cleats.



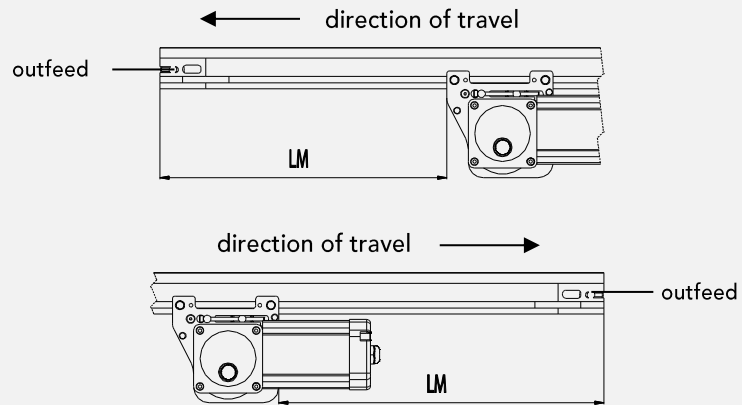
The distance of cleats depends on the number of cleats.

**LM** | **Center drive position**

brushless DC-Motor

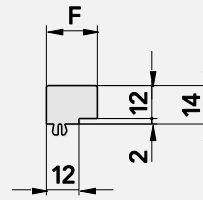


3-Phase motor



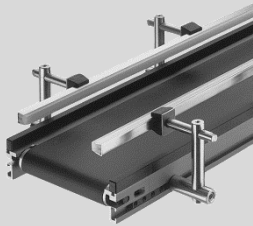
## SF Lateral guides

### Fixed lateral guides

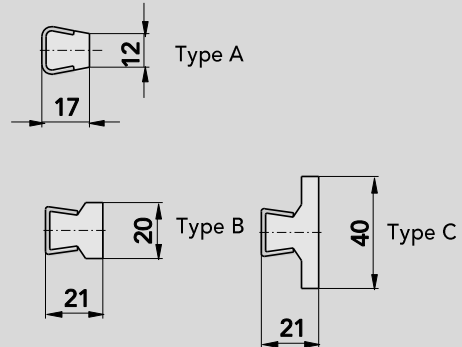


The dimension F is adjusted to the desired conveying width.

### Adjustable lateral guides



### Available profiles:

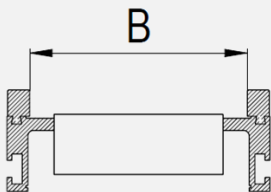


## FS Color lateral guide

### Selection:

- black (antistatic)
- white (not antistatic)

## B Conveying width



Selection of the conveying width. The conveying width depends on the chassis width **A**. If a broader or narrower conveying width is desired, choose a different chassis width at **A**.

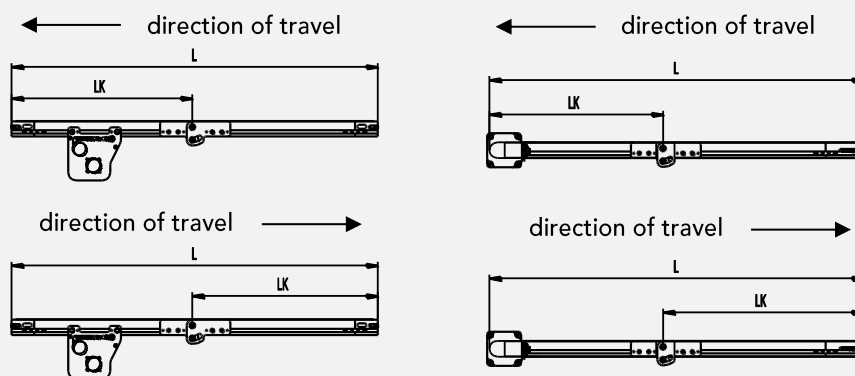
## K Angled joint

Optionally, an angled joint is available.

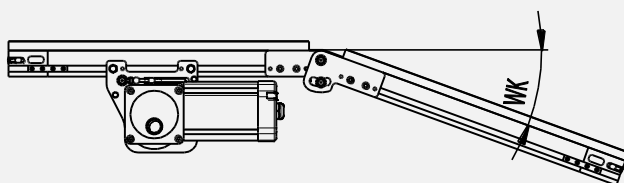


## LK Angled joint position

The position of the angled joint is measured from the outfeed of the conveyor.



## WK Angled joint angle



Select the angle of the inclined belt section of the conveyor between 0 and 35°.

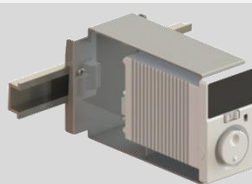
The angle can be adjusted subsequently.

## MHR Mounting aid for controller

There are 2 options for the installation of the controller.  
(This selection is not available for the 3-Phase motor)



Mounting bracket for DIN-rail for controller



For installation of the controller on a DIN-rail in a control cabinet.



Assembly kit for controller



For direct installation on the conveyor.