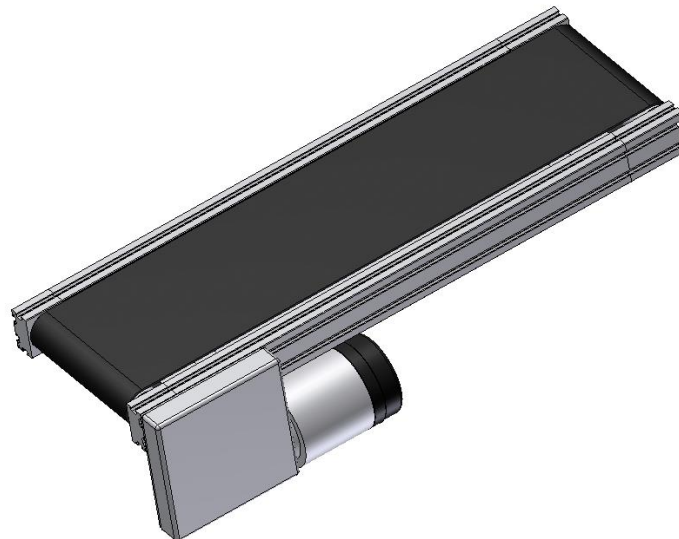


## Manual

# Conveyor KA3060



**Projectnumber :** \_\_\_\_\_

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**Attachments**

- spare part list „conveyor KA3060“

**Attachments for Conveyors with special parts**

- Extension „conveyor KA3060 with drive-tension-part“
- spare part list „conveyor KA3060 with drive-tension-part“

# 1. Description

The conveyor name consists as follows:

Conveyor- Code : KA3060.XXX. XXXX .50.50. ≈XX.X.X.XXX

1 Code- Block =	head-drive / profile	KA	30 x 60 mm
2 Code- Block =	chase-wide	B =	mm
( standard-wide )	belt-wide	b =	mm
3 Code- Block =	chase-length	L =	mm
4 Code- Block =	drive-roll Ø	D <sub>1</sub> =	50 mm
5 Code- Block =	tensioning-roll Ø	D <sub>2</sub> =	50 mm
6 Code- Block =	velocity	V =	≈ m/min. ( at 50 Hz )
7 Code- Block =	conveying-direction	Code:	
8 Code- Block =	driver-side	Code:	
9 Code- Block =	drive-position	Code:	

Comment : **Engine situation / indirect impulse** about chain drive or dental belt drive.  
 With the indirect impulse the gear engine is able, according to place relations, as follows in two different positions: (see fig.1)  
 H **Horizontal**, the engine is mounted horizontal under the conveyor  
 V **Vertical**, the engine is mounted vertical under the conveyor

direct impulse  
DHU

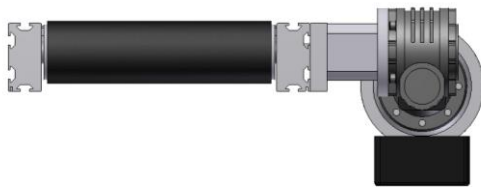


fig. 2

indirect impulse  
H

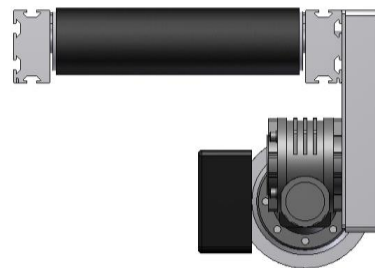


fig.1

Comment : **Engine situation / direct impulse**  
 With the direct impulse the gear engine is able, according to place relations, as follows in four different positions: (see fig.3 and fig.4)  
 DHO direct, horizontal, above ( O = above outstanding)  
 DHU direct, horizontal, below ( U = below outstanding -> fig.2)  
 DVO direct, vertical, above ( O = above outstanding)  
 DVU direct, vertical, below ( U = below outstanding-> fig.2)

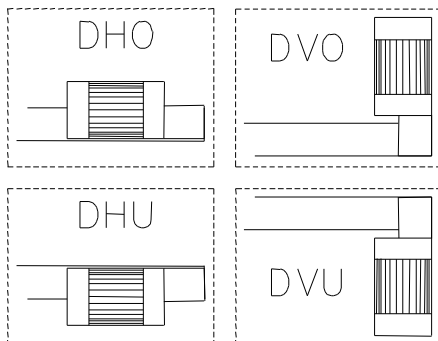


fig.3

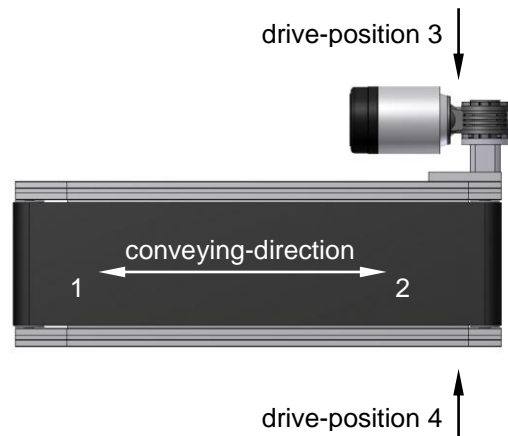


fig.4

## 2. Utilisation

The conveyor KA3060 is designed for the transportation of products. The allowed weight of the transporting products varies depending on the conveyor width, conveyor length and conveyor speed.

At best, the allowed load must be clarified with the manufacturer.

Optionally the conveyor can be equipped with feet and other special accessories. If needed, please contact the manufacturer

## 3. Installation and electrical connection

### Installation

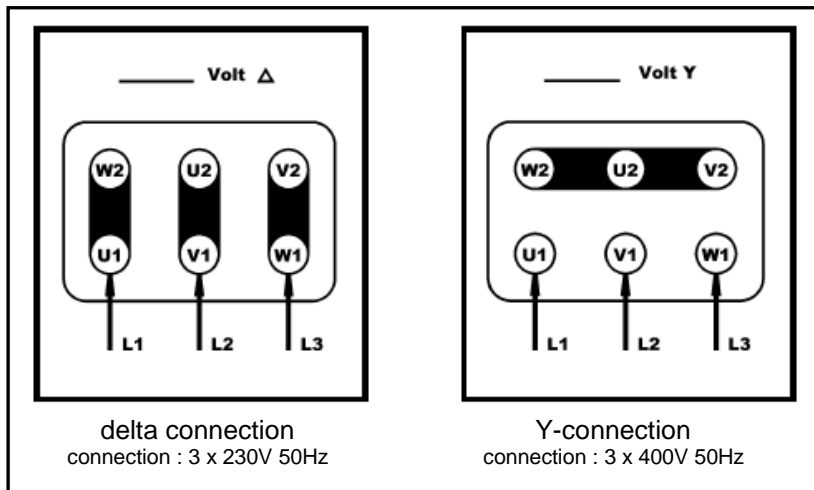
The conveyor must be positioned, so that the transport belt can never touch a fixed part.

It must be taken to ensure that personal safety is guaranteed. (danger of becoming trapped between the belt and fixed parts)

### Electrical connection of Mabatec - standard conveyors with AC motor

**Important:** For all work on the electrical equipment, the network connections must be removed!

Depending on supply voltage, the bridges must be arranged at the terminals shown in illustration below.



## 4. Maintenance and repair

### BELT CHANGE, BELT TIGHTENING, and BELT ADJUSTMENT

**Warning : do not reach into the running machine !**

#### 1. BELT CHANGE

1. Slacken belt with screws „L“ and „M“
2. Completely remove screw „L“
3. Slacken screw in sliding blocks „A“ and „A1“ ( of tensioning block „B“ only )
4. Push sliding blocks „A“ and „A1“ back into the belt cross- beam „C“ until tensioning block „B“ is free
5. Remove tensioning block „B“ ( on one side only )
6. Remove old belt by pulling it on one side, and put on new belt

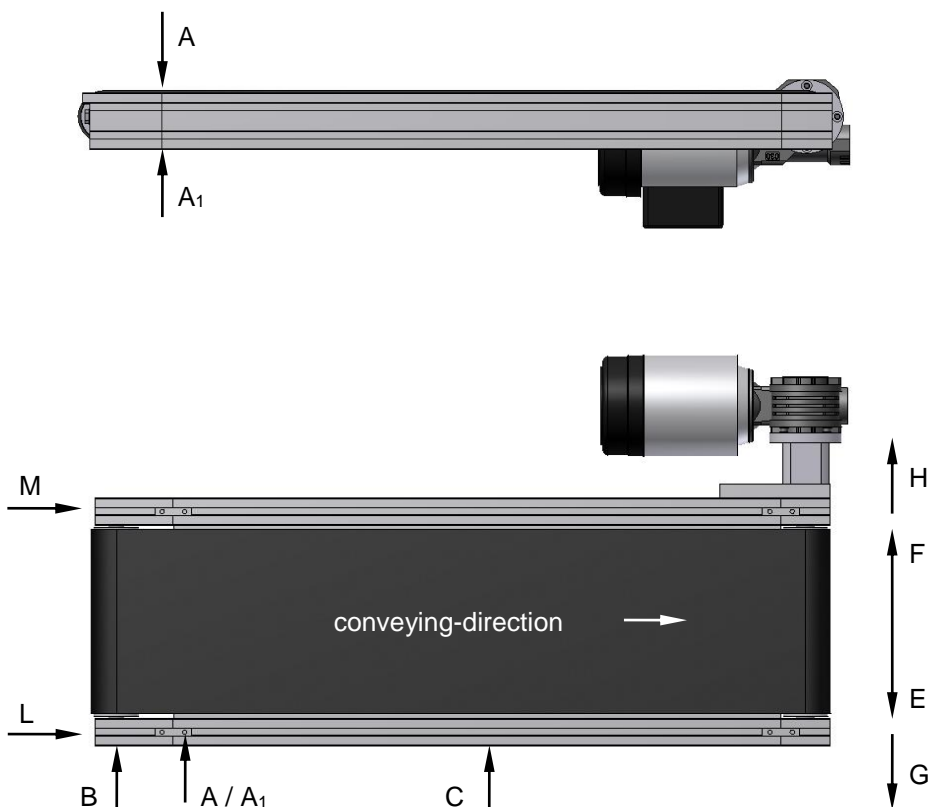
#### 2. BELT TIGHTENING and BELT ADJUSTMENT

1. Insert tensioning block „B“
2. Insert sliding blocks „A“ and „A1“ halfway into tensioning block „B“
3. Align tensioning block „B“ with belt cross- beam „C“
4. Tighten screws in sliding blocks „A“ and „A1“
5. Establish belt tension by tightening screws „L“ and „M“, centering the belt on all rollers
6. Belt tension must be at least high enough to ensure that the belt edges and the entire area between the edges ( zone „E“ -----“F“ ) touch the rollers perfectly

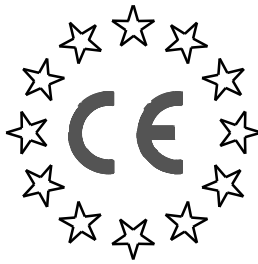
#### 3 BELT ADJUSTMENT ON TWIN- DEFLECTION CONVEYORS WITH 2 X Ø 50 mm

1. For safe belt operation make sure that the direction of conveyance is direction 2
2. If the belt is running in direction „G“, screw „L“ must be rotated slowly in a clockwise direction
3. If the belt is running in direction „H“, screw „M“ must be rotated slowly in a clockwise direction

The belt should be inspected regularly and adjusted if necessary.



## 5. Certificates



### Declaration of Conformity

for the  
MTS - standard conveyor

**Rudolf Schmid AG**  
**Freiburgstrasse 830**  
**CH - 3174 Thörishaus**

declares as manufacturer in sole responsibility that the  
MTS - standard conveyor:

**KA3060**

matches with the requirements of the directives 2006-05-17 (2006/42/EG)  
and the equipment safety law.

In case of a non-coordinated change on the MTS - standard conveyor,  
the declaration loses their validity.

Rudolf Schmid AG holds as a technical documentation  
to examination ready:

Documentation of the development and instructions,  
corresponding the rules for the creation of user information.

**The conformity of the MTS - standard conveyor is secured.**

Rudolf Schmid AG  
CEO

CH – 3174 Thörishaus, 01. January 2019

Schmid Rolf