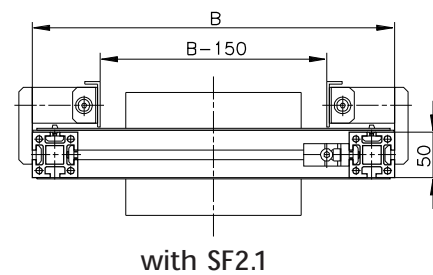
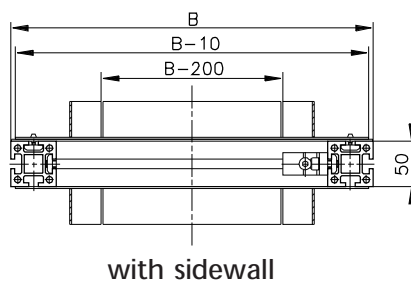
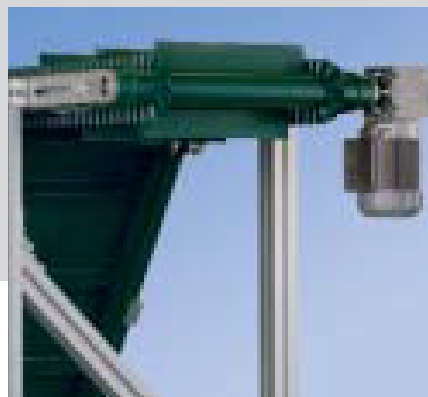
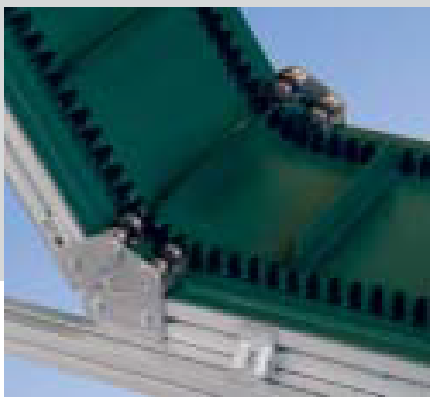
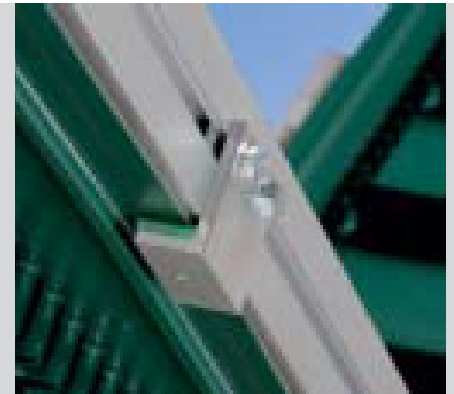


# Incline Conveyors KFG-P 2000



Conveyor frame cross-section





With its' compact design using our structural aluminum Profile mk 2000, Conveyor System KFG-P 2000 is ideally suited for continuous duty applications in multiple shift environments. Used primarily for the transport of small parts, the belt is guided through the incline by welded-on V-guides.

As with all mk conveyors, belt alignment is easy with our standard crowned rollers. Additional features include a stainless steel slider bed mounted to the conveyor frame which reduces wear on the belt and the use of sealed ball bearings for overall conveyor life and performance. Using all

the inherent benefits of modular construction with our mk Profile Technology System, this conveyor can be readily integrated into new or existing equipment, or be used as a free-standing conveyor for bulk handling and loading applications.

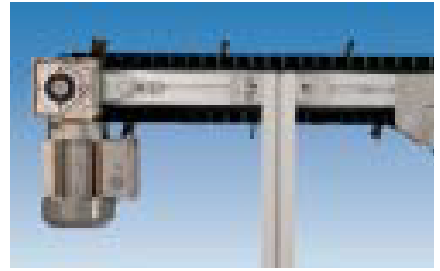
# Incline Conveyors

## KFG-P 2000

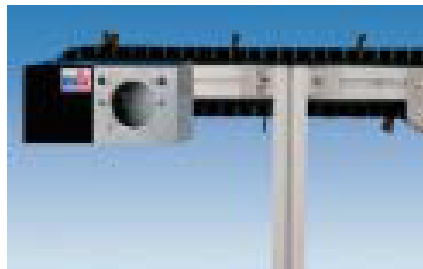
**Drive Version AC**



**Drive Version AF**



**Drive Version AS**



**Drive Version AU**



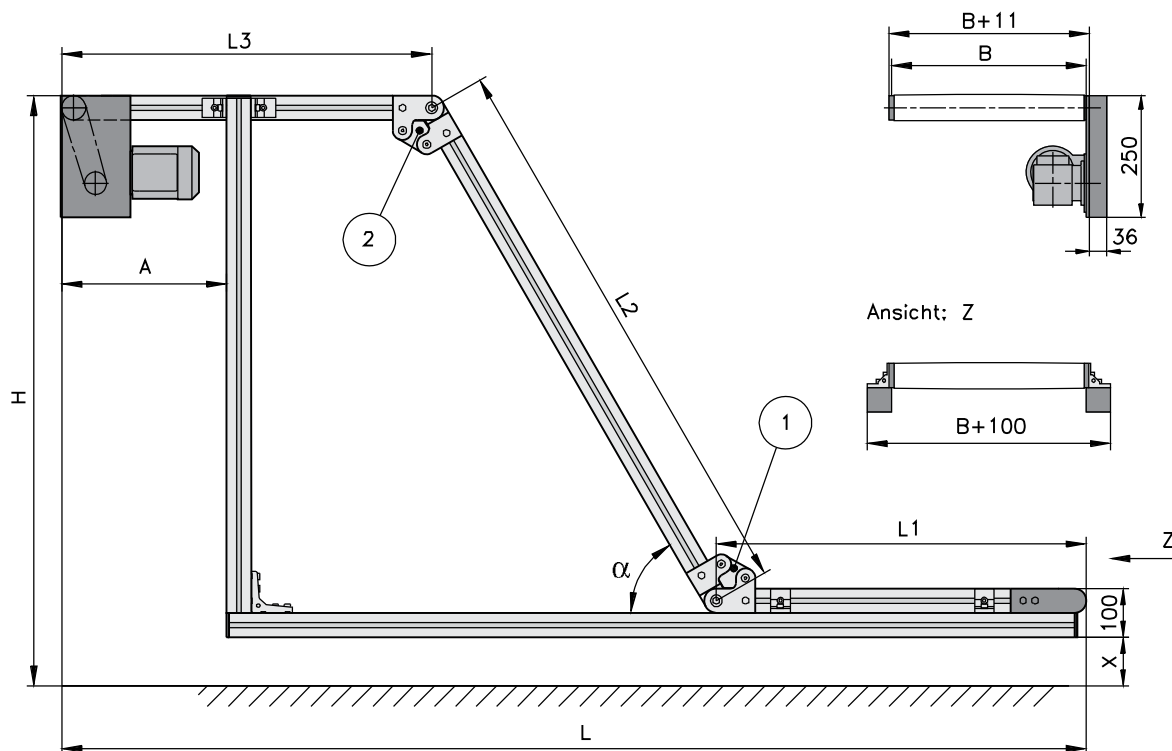
## *Contents KFG-P 2000*

KFG-P 2000 AC – Head Drive –	112
KFG-P 2000 AF – Head Drive direct –	113
KFG-P 2000 AS – Outside Head Drive –	114
KFG-P 2000 AU – Outside Head Drive –	115
KFG-P 2000 Stands and Side Rails	116
KFG-P 2000 Belt Types	117

# KFG-P 2000 AC

## Belt Conveyors with Head Drive

B20.00.010



### Features:

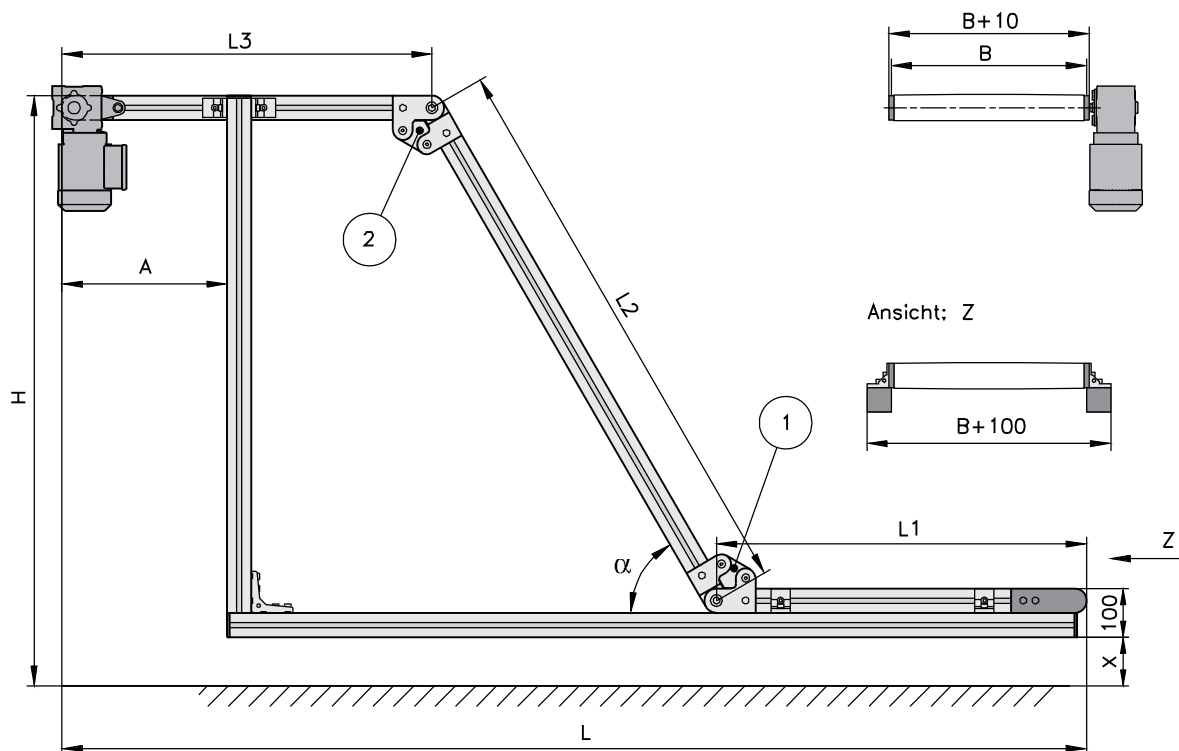
mk offers a variety of motor options for Drive Version AC which are sized and selected for each application's specific speed and load requirements. The  $\varnothing 52$  mm drive roll provides good belt wrap and efficient motor power transmission, and the compact construction simplifies the integration of the conveyor into existing equipment.

	Dimensions – Technical Information	Notes
<b>Conveyor length (L1+L2+L3)</b>	variable to approx. 4000 mm	any increment possible
<b>Conveyor width B</b>	300 to 700 mm (in 100 mm increments) L1 min. = 400 mm, L3 min. = 610 mm	others on request
<b>Drive Location</b>	head right, head left	
<b>Drive and Speed</b>	to 15 m/min (50 ft/min)	others on request
<b>Stands and Side Rails</b>		see page 116
<b>Load Capacity max.</b>	depending on speed, incline and product, up to 30 kg (65 lbs)	higher on request
<b>Bends <math>\alpha</math></b>	15, 30, 45 and 60°	others on request
<b>Product</b>	$\varnothing 10$ to 80 mm, L to 300 mm Weight to 500 g/each	others on request

# KFG-P 2000 AF

*Belt Conveyors with Head Drive direct*

B20.00.010



## Features:

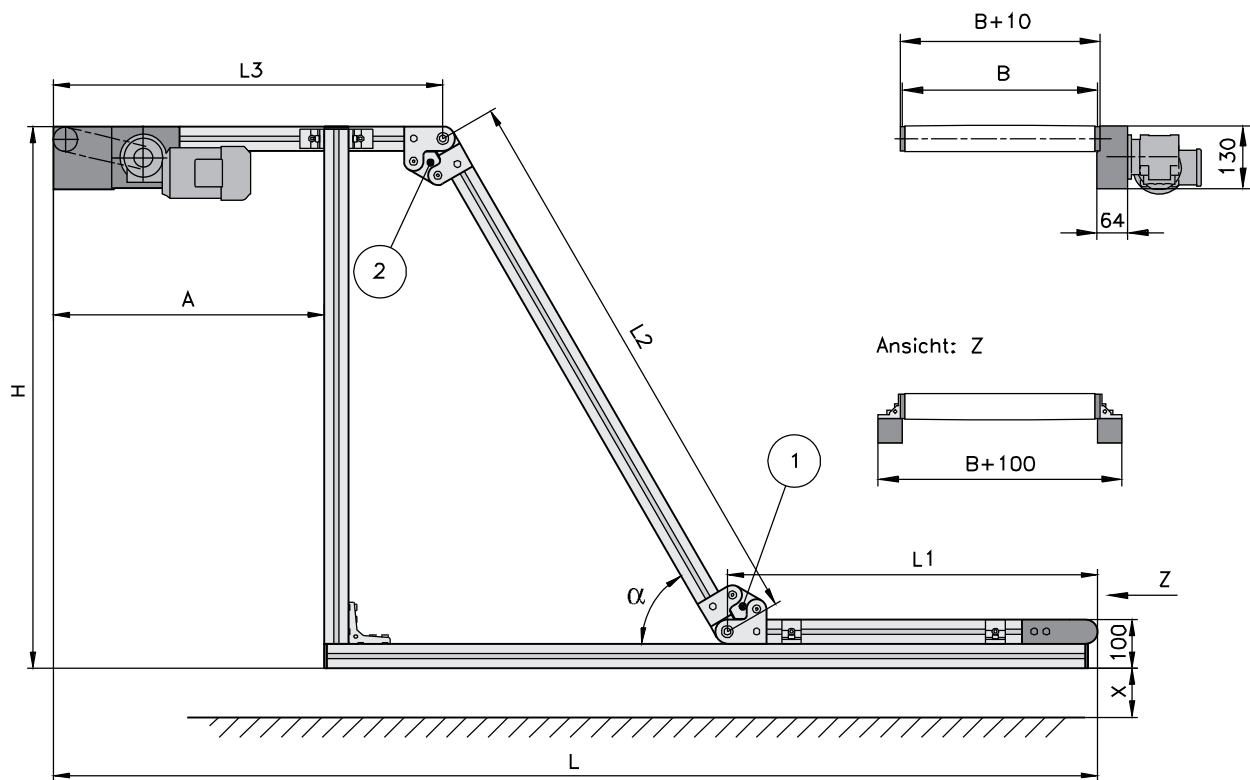
By placing the motor directly onto the drive shaft, this drive version minimizes not only the space required at the drive yet also the number of moving parts and maintenance requirements.

	Dimensions – Technical Information	Notes
Conveyor length (L1+L2+L3)	variable to approx. 4000 mm	any increment possible
Conveyor width B	300 to 700 mm (in 100 mm increments) L1 min. = 400 mm, L3 min. = 440 mm	others on request
Drive Location	head right, head left	
Drive and Speed	2.8; 3.6; 4.4; 5.4; 6.5; 7.7; 8.7; 10.9; 12.9 and 14.9 m/min	
Stands and Side Rails		see page 116
Load Capacity max.	depending on speed, incline and product, up to 30 kg (65 lbs)	higher on request
Bends α	15, 30, 45 and 60°	others on request
Product	ø 10 to 80 mm, L to 300 mm Weight to 500 g/each	others on request

# KFG-P 2000 AS

## Belt Conveyors with Outside Head Drive

B20.00.010



### Features:

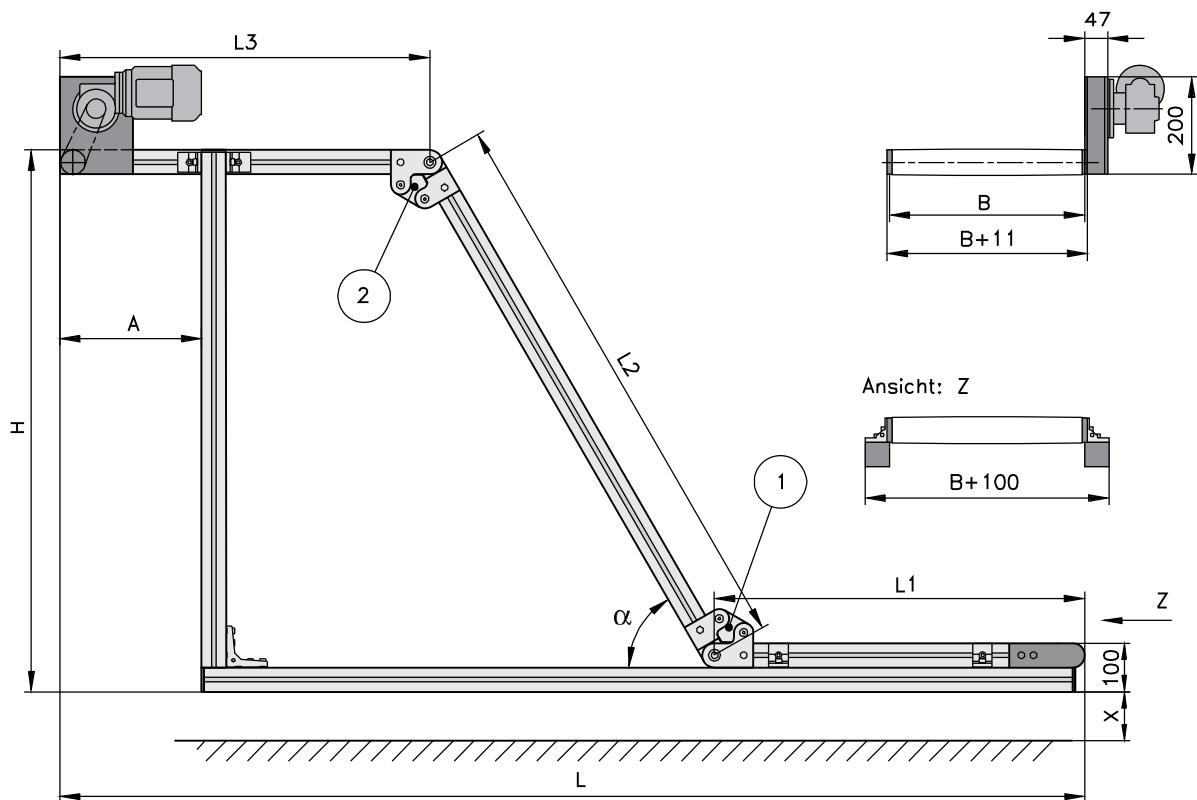
mk offers a variety of motor options for Drive Version AS which are sized and selected for each application's specific speed and load requirements. The  $\varnothing 52$  mm drive roll provides good belt wrap and efficient motor power transmission, and the compact construction simplifies the integration of the conveyor into existing equipment.

	Dimensions – Technical Information	Notes
<b>Conveyor length (L1+L2+L3)</b>	variable to approx. 4000 mm	any increment possible
<b>Conveyor width B</b>	300 to 700 mm (in 100 mm increments) L1 min. = 400 mm, L3 min. = 720 mm	others on request
<b>Drive Location</b>	head right, head left	
<b>Drive and Speed</b>	to 15 m/min (50 ft/min)	others on request
<b>Stands and Side Rails</b>		see page 116
<b>Load Capacity max.</b>	depending on speed, incline and product, up to 30 kg (65 lbs)	higher on request
<b>Bends <math>\alpha</math></b>	15, 30, 45 and 60°	others on request
<b>Product</b>	$\varnothing 10$ to 80 mm, L to 300 mm Weight to 500 g/each	others on request

# KFG-P 2000 AU

*Belt Conveyors with Outside Head Drive*

B20.00.010



## Features:

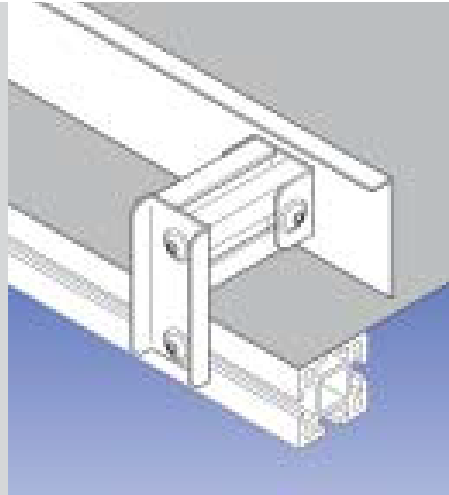
mk offers a variety of motor options for Drive Version AU which are sized and selected for each application's specific speed and load requirements. The  $\varnothing 52$  mm drive roll provides good belt wrap and efficient motor power transmission, and the compact construction simplifies the integration of the conveyor into existing equipment.

	Dimensions – Technical Information	Notes
Conveyor length ( $L1+L2+L3$ )	variable to approx. 4000 mm	any increment possible
Conveyor width B	300 to 700 mm (in 100 mm increments) $L1$ min. = 400 mm, $L3$ min. = 610 mm	others on request
Drive Location	head right, head left	
Drive and Speed	to 15 m/min (50 ft/min)	others on request
Stands and Side Rails		see page 116
Load Capacity max.	depending on speed, incline and product, up to 30 kg (65 lbs)	higher on request
Bends $\alpha$	15, 30, 45 and 60°	others on request
Product	$\varnothing 10$ to 80 mm, L to 300 mm Weight to 500 g/each	others on request



# KFG-P 2000

## Stands and Side Rails

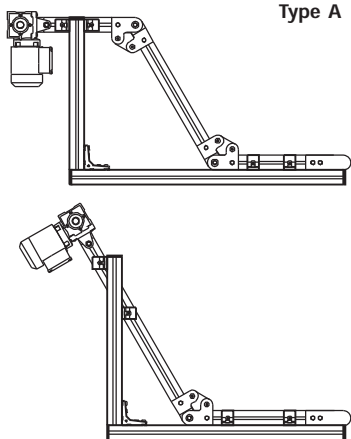
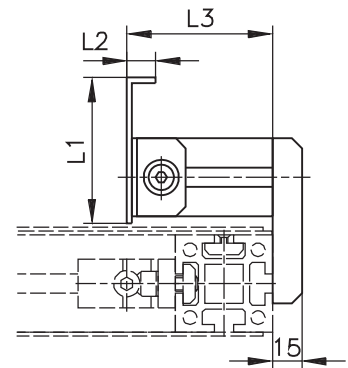


### Side Rails

Shown is our standard side rail for this conveyor style. It is designed to minimize the gap between the conveyor frame and the belt surface in order to avoid product loss and potential damage.

#### Side Rail SF 8.1

Height  $H = 75 \text{ mm}$  and  $100 \text{ mm}$



Type A

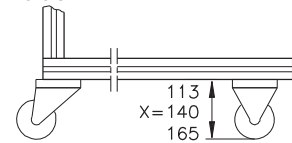
Stand width =  $B + 100$

### Stands

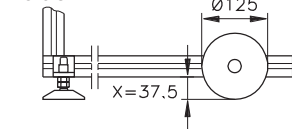
The stand types shown can be supplied with any leveling options.

Stand Version 1 features swivel casters with total lock brakes which guarantee stable support even at high speeds. Casters are available with  $\varnothing 75 \text{ mm}$  for  $x = 113 \text{ mm}$ ,  $\varnothing 100 \text{ mm}$  for  $x = 140 \text{ mm}$  and  $\varnothing 125 \text{ mm}$  for  $x = 165 \text{ mm}$ .

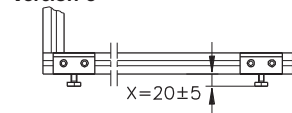
Version 1



Version 2



Version 3



### Order Example

To correctly quote and manufacture your conveyor, we need the following information:

KFG-P 2000 Configuration Type S

Drive AC motor orientation  $90^\circ$  as shown

Speed  $15 \text{ m/min}$

Width  $B = 500 \text{ mm}$

Length dimensions:

$L = 2000 \text{ mm}$ ;  $L1 = 500 \text{ mm}$ ;  $L2 = 1000$ ;

$L3 = 600$ ;  $H = 1000 \text{ mm}$

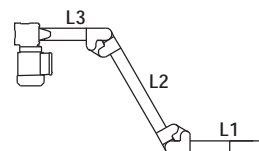
Bend  $\alpha 1 = 60^\circ$ ; Bend  $\alpha 2 = 60^\circ$

Cleat type T20 with Side Rail 8.1

Stand type A, Version 3, Leveling Pad  $x = 20 \text{ mm}$

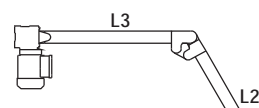
### Configurations

Type S



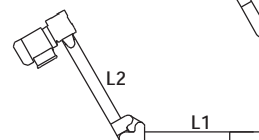
$L, L1, L2, L3, H$   
Bends  $\alpha 1 + 2$

Type K



$L, L2, L3, H$   
Bends  $\alpha 1$


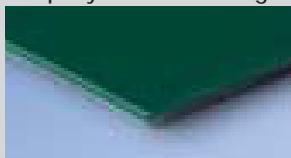
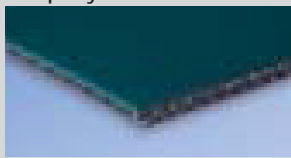
Type L




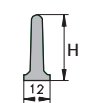

$L, L1, L2, H$   
Bends  $\alpha 1$

## Belts

The belt types shown are our standards, and are suitable for most applications. In addition to these we can offer a variety of special belts.

Belt type	Surface Texture	Allowable Temperature	Thickn. (mm)	Properties	Min. Pulley $\phi$	Transport	Material	Belt Category
Transilon E 6/2 U0/U2 M green FDA, <b>K10241</b>								
	smooth	-30 - +100°C	1.9	antistatic, extremely laterally stiff	50 mm	continuous inclined	Urethane	4
Ropanyl EM 6/2 0+02 green M2 FG FDA, <b>K10263</b> for Conveyor width to 500 mm								
	smooth	-10 - +80°C	1.85	Oil and grease resistant, extremely laterally stiff	14 mm	continuous inclined	Urethane	2
Ropanyl EM 05 10/2 00+03 blue M2 FG FDA, <b>K10264</b> for Conveyor width as of 500 mm								
	smooth	-20 - +60°C	2.4	Oil and grease resistant, extremely laterally stiff	50 mm	continuous inclined	Urethane	4

## Cleats

	Cleat type	Height (H)	Color					Weight app.g/m	Lateral d <sub>min</sub> Drum ø appx. mm	Longitudinal	
			PVC		PU					d <sub>min</sub> appx. mm	
			green	white	colorl.	green	white				
	K10 for K10241		•	•	•			60	50	52	52
	PKL for K10263/4					•			50	52	52
	T20U for K10241	20				•	•	140	50		
	T30U	30				•	•	180	50		
	T40U	40				•	•	220	50		
	T50U	50				•	•	250	50		
	T60U	60				•	•	280	50		
	MT20 for K10263/4 MT35	20 35				• •			30 50		
	WK20 for K10263/4	20				•					40
	WK25	25				•					50