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» Incline conveying for connecting different heights. «



The conveyor system KFM-P 2040, with its compact conveyor frame structure made from aluminium profile technology, is ideal for integration into existing machines or as a mobile transport unit for filling containers, for example.

The plastic modular belt, which is fully guided through PE1000 wear strips, is used to transport slugs or moulded plastic parts, light punched parts or food products. The material of the modular belt offers a high level of wear-resistance and abrasion resistance. The conveyor system offers various chain materials to make it suitable for food, suitable for high temperatures or resistant to chemicals.

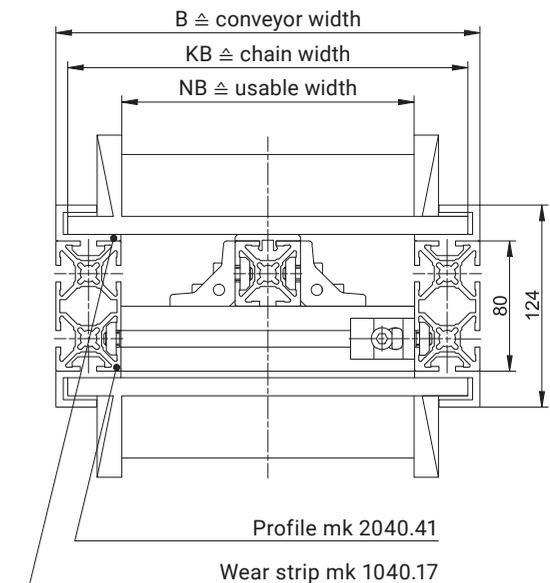
Accessories such as side plates and transverse cleat profiles are also included in the product range. The slots in the profiles allow for easy connection of accessories such as funnels and discharge slides. Depending on the product you wish to convey, please also see our incline conveyor with a belt or hinged plate belt.

Benefits of the KFM-P 2040

- Moving transport unit for mobile use
- Ideal for integration into existing systems
- High load capacities available
- Positive drive mechanism eliminates slippage and makes it suitable for wet applications
- Stable chain travel regardless of the length/width ratio
- Chain material is highly resistant to wear and abrasion, making it suitable for high temperatures, contact with chemicals or food, etc.
- Accessories such as side walls and transverse cleat profiles available

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Cross Section

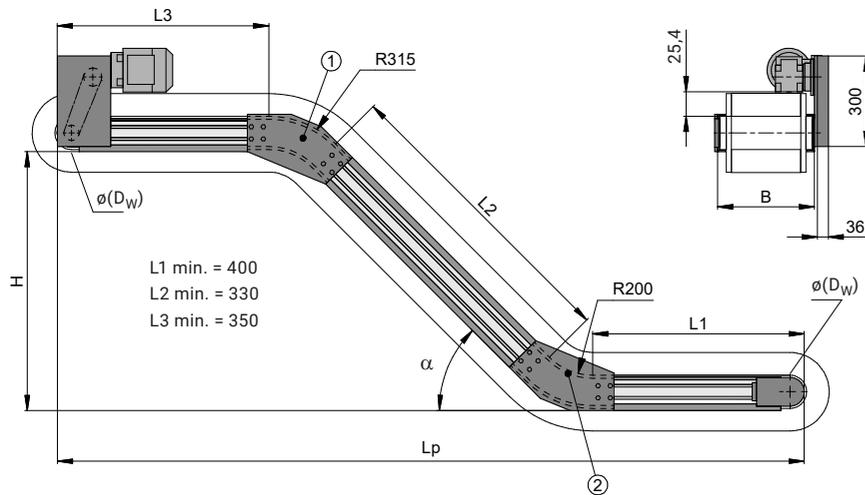




AC – Standard head drive

B20.40.810/811/812

For the drive version AC, mk offers a multitude of drive motors tailored to various speed and load capacity requirements. The sprocket wheels ensure excellent transmission of the motor power. At lengths of up to three metres, the chain does not sag but the belt still runs quietly. With lengths of around three metres or more, there is chain sagging on the drive end, which is enclosed by a protective box. This results in an additional obstructing edge.



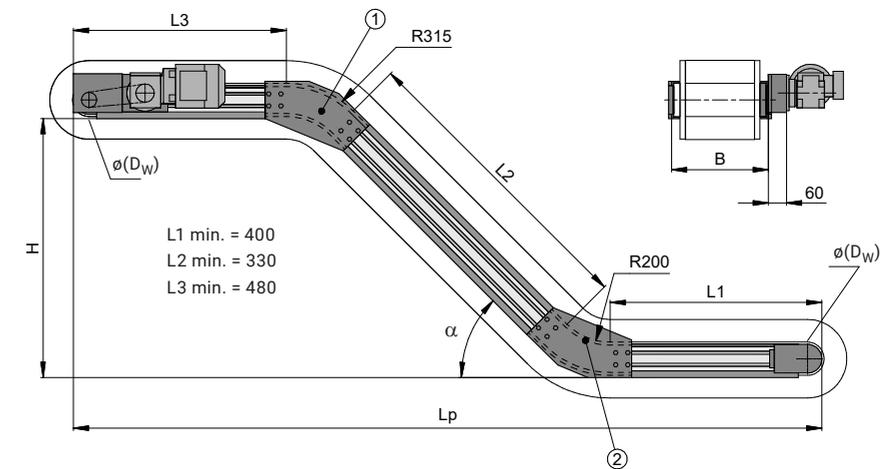
Technical data

Conveyor length L (L1+L2+L3)	depending on the conveyor configuration and total load, usually up to 4000, max. 10000 mm (max. length based on the angle of alpha and L2)	
Conveyor width B	approx. 200–1000 mm depending on the chain type	p. 146
Drive location	discharge end left/right, underneath/above	
Drive and speed	up to 30 m/min	p. 12
Stands		p. 120
Total load	up to 100 kg (including chain weight)	p. 108
Distributed load	up to 50 kg/m, 15 kg/compartments	p. 108
Belt incline a 1 and 2	30, 45 and 60°	others on request
Pitch diameter (DP)	chain S8=99.7 mm; chain S10=98 mm	

AS – Head drive, laterally on the outside, compact

B20.40.813/814/815

The drive positioned laterally on the outside allows the total height of the conveyor to be restricted to a minimum. The sprocket wheel with the positive-locked connection to the modular belt ensures excellent transmission of the motor power. At lengths of up to three metres, the chain does not sag but the belt still runs quietly. With lengths of around three metres or more, there is chain sagging on the drive end, which is enclosed by a protective box. This results in an additional obstructing edge.



Technical data

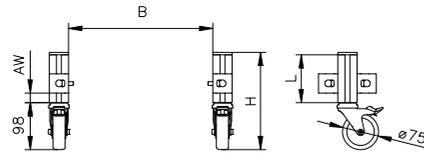
Conveyor length L (L1+L2+L3)	depending on the conveyor configuration and total load, usually up to 4000, max. 10000 mm (max. length based on the angle of alpha and L2)	
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Pitch diameter (DP)	chain S8=99.7 mm; chain S10=98 mm	

KFM-P 2040

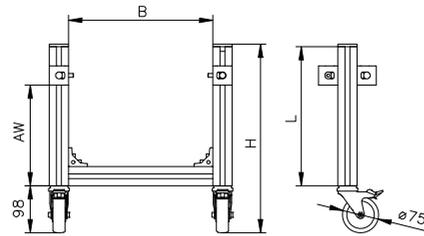
Stand Type ECO

The stand was developed specially for the incline conveyor belt and incline conveyor modular belt and is characterised by its simplicity and light-weight design with the mk 2040.40 profile.

Infeed End Stand B67.06.014

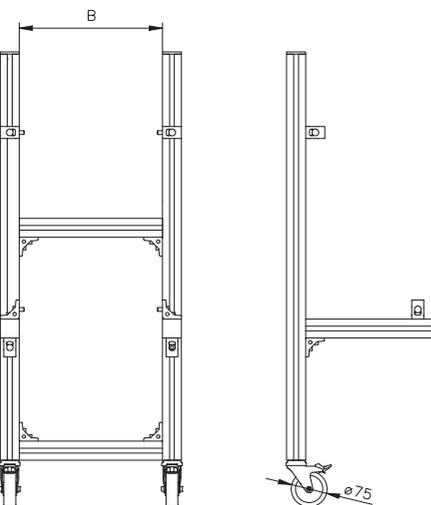


Infeed height (ELH) = 166–349 mm

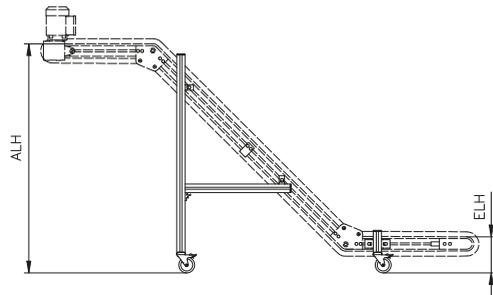


Infeed height (ELH) = 350–500 mm

Discharge End Stand B67.06.015



The swivel casters used have a total locking device, which guarantees a secure footing even at high transport speeds. The height and width of the stand is adapted based on the configuration; see the order example on the right.

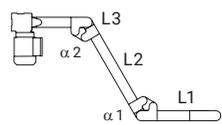
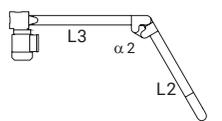
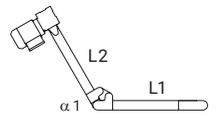


ELH = infeed height
ALH = discharge height
B = conveyor width
H = stand height
L = length of the vertical profile
AW = distance from the angle to the profile edge

Sample order

KFM-P 2040 type S (B20.40.810)
Drive AC, 0° motor orientation (as shown)
Speed of 15 m/min
Conveyor width B = 460 mm
Conveyor length
L1 = 500 mm; L2 = 1000 mm; L3 = 600 mm
Belt incline $\alpha_1 = 60^\circ$; belt incline $\alpha_2 = 60^\circ$
Cam height H1/S8 = 25.4 mm (see page 127)
Stand, incline conveyor, type ECO
Infeed height ELH = 200 mm
Discharge height ALH = 1200 mm

Type designation

	Drive	AC	AS
Type S 	B20.40. ...	810	813
Type K 	B20.40. ...	811	814
Type L 	B20.40. ...	812	815



Incline conveyor modular belt KFM-P 2040 type L with head drive AS, stand type ECO and intake guide panel on the infeed



Incline conveyor modular belt KFM-P 2040 type K with movable base frame



Incline conveyor modular belt KFM-P 2040 with protective box on the infeed end



Incline conveyor modular belt KFM-P 2040 with filling funnel and cover in the area with the upward incline



Incline conveyor modular belt KFM-P 2040 type L with head drive AC and customer-specific base frame



Incline conveyor modular belt KFM-P 2040 with moving side wall and cams



Incline conveyor modular belt KFM-P 2040 equipped with two motors for reverse operation



Incline conveyor modular belt KFM-P 2040 with protective box and drip pan

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