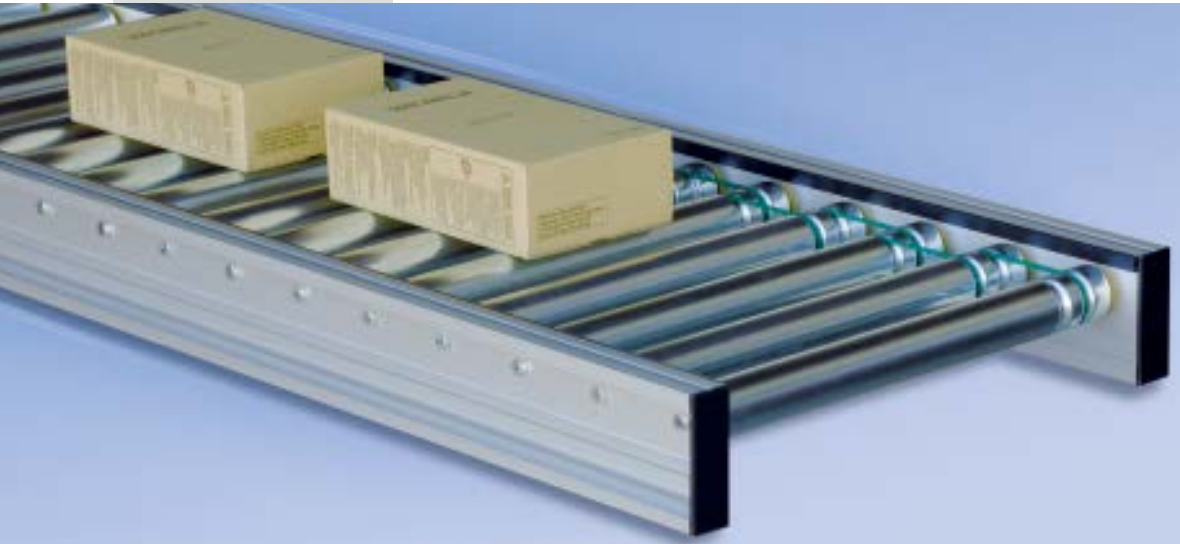
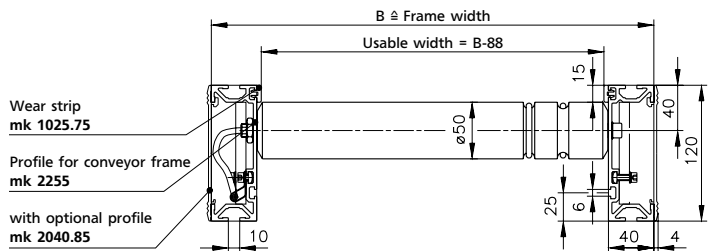
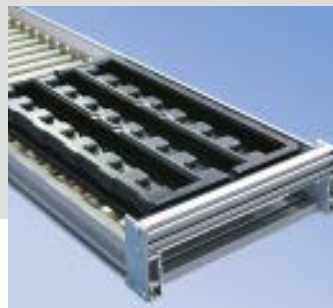


# Roller Conveyors RBM-P 2255



Conveyor frame cross-section





For the motorized roller conveyor RPM-P 2255, up to nine additional rollers are driven by the motorized roller via round belts. Through this segmentation of the drives it is possible with this type of roller conveyor to implement different speeds, or start or stop functions on a con-

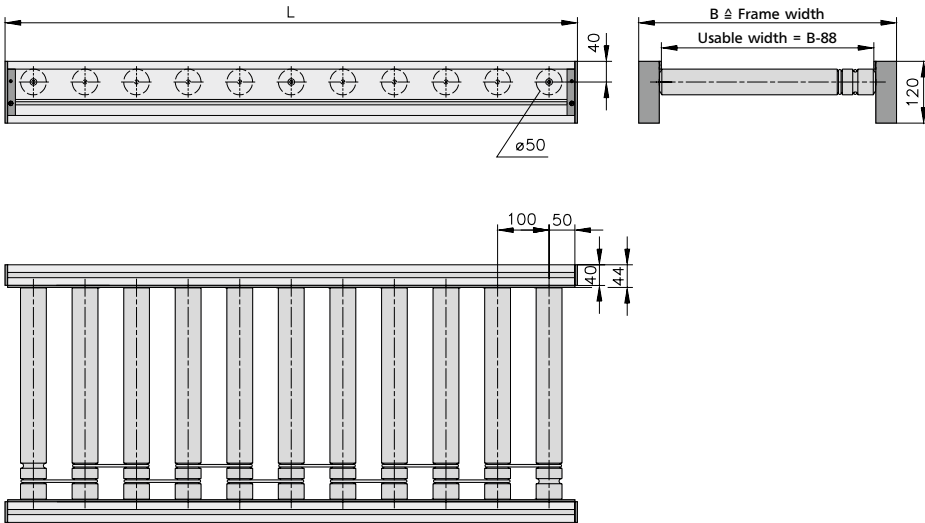
veyor section. For the application this provides the possibilities of separating, stopping, and buffering; then with these functions complex material flow processes can be flexibly depicted through the appropriate controller technology. In this regard, speed and direction of rotation are

controlled via a control module. The motorized roller conveyor is available straight or curved and can be combined with our roller conveyors (RBS and RBT). The longitudinal T-slots of frame profiles can be used for fastening of side rails, stands, sensors or other accessories.

# RBM-P 2255

Drive roller conveyor, straight

B61.02.005



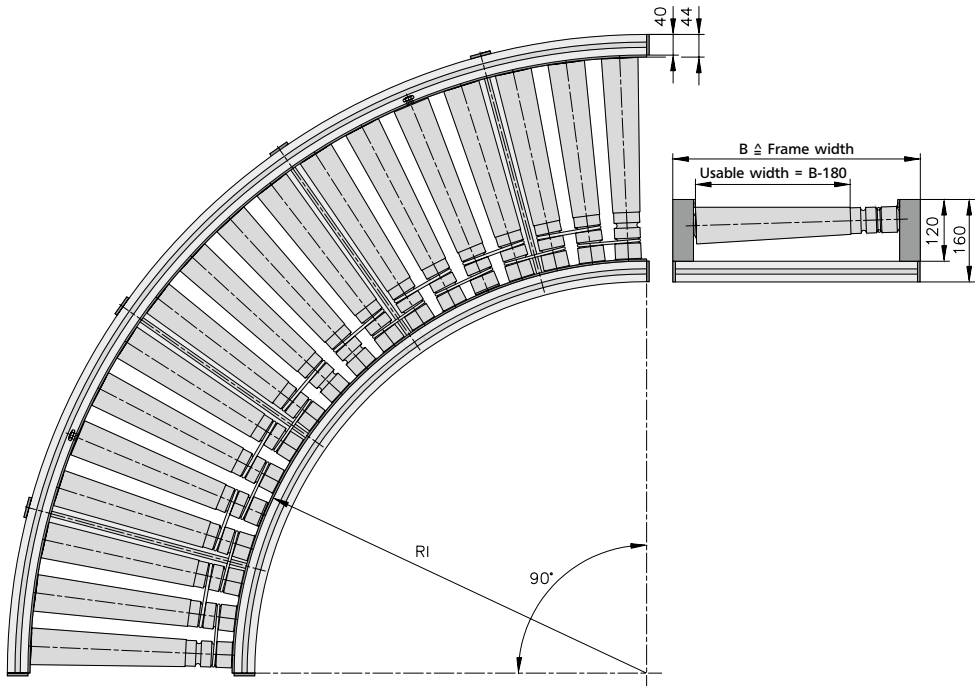
The Drive roller conveyor is manufactured using Profile mk 2255. The anodized structural extrusions are punched for 100 mm pitch and designed for use with a roller diameter of 50 mm. Depending on the motorized roller, a max. of 5 rollers upstream and downstream of the motorized roller are coupled and driven via round belts. The recommendation is to use one motorized roller per meter at a pitch  $p=100$  mm.

	Dimensions – technical information	Notes
Roller diameter	50 mm	steel, ZN
Frame width B	480, 580 and 680 mm	others on request
Conveyor length L	500-10000 mm	
Roller pitch p	100 mm	
Frame profile	mk 2255	
Roller types	type 51, 55 and 66	see from page 248
Speed	to 70 m/min (230 ft/min)	see chart on page 12
Stands	only with conveyor frame fastening variant D	see from page 262
Load capacity	depending on the gear ratio of the motorized rollers and the number of installed drives max. 100 kg/m	i=9:1 for 6-70 m/min: 3 kg i=16:1 for 4-60 m/min: 5 kg i=48:1 for 1,5-20 m/min: 15 kg i=96:1 for 0,6-9 m/min: 30 kg

# RBM-P 2255

Drive roller conveyor, curve

B61.02.006



The curve is set up on the straight section with a cylindrical roller  $\varnothing$  of 50 mm. The curve is fitted with conical elements according to the radii. The speed information refers to the middle of the conveyor. For quiet running, in the standard version the rollers are designed with a 5% pitch.

	Dimensions – technical information	Notes
<b>Roller diameter</b>	50 mm conical	plastic
<b>Frame width B</b>	480, 580 and 680 mm	
<b>Inner radius RI</b>	800 mm	
<b>Roller pitch</b>	5°/number of rollers: 18	
<b>Frame profile</b>	mk 2255	
<b>Roller types</b>	type 52, 56 and 57	see from page 248
<b>Speed</b>	to 30 m/min (100 ft/min)	see chart on page 12
<b>Stands</b>	only with conveyor frame fastening variant D	see from page 262
<b>Load capacity</b>	depending on frame width and roller type to 55 kg / 90°	higher on request