

Drive Roller Conveyor RBM-P 2255



» Straight and curved sections for variable speeds and with a start/stop function. «

The drive roller in the RBM-P 2255 drive roller conveyor allows you to drive up to nine additional rollers using the round belt. By segmenting the drive mechanisms in this way, this type of roller conveyor allows you to implement different speeds or start/stop functions within a single conveying path. This gives you the ability to separate, stop and buffer product, allowing you to achieve even complex material flows when combined with appropriate control technology. A control module controls the speed and direction of rotation.

The RBM-P 2255 roller conveyor is notable for its few obstructing edges and easy-to-clean design, making it well suited for clean environments and increased sanitary requirements. It is also available in an IP66 version on request, or with an electronic holding brake for upward and downward gradients.

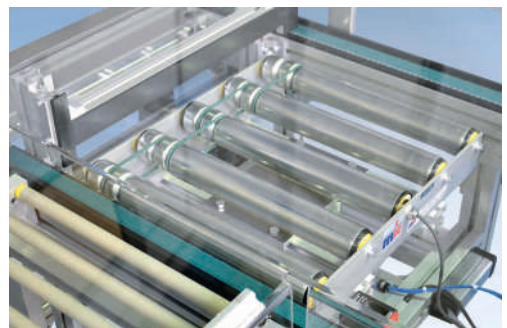
The roller conveyor is available in both straight and curved configurations and can be combined with other roller conveyors (RBS and RBT). The longitudinal slots in the beam profiles can be used to attach side rails, stands, initiators and other accessories.

Benefits of RBM-P 2255

- Powered by a drive roller
- For transporting products of moderate weight
- Equipped with a round belt for driving up to 9 additional rollers
- Different speeds or start/stop functions possible in a single conveying path
- Few obstructing edges and maximum conveyor width
- mk 2255 conveyor frame profile allows for combination with RBS and RBT roller conveyors
- Side slots on the conveyor frame profile for attaching accessories such as side rails, stands, etc.

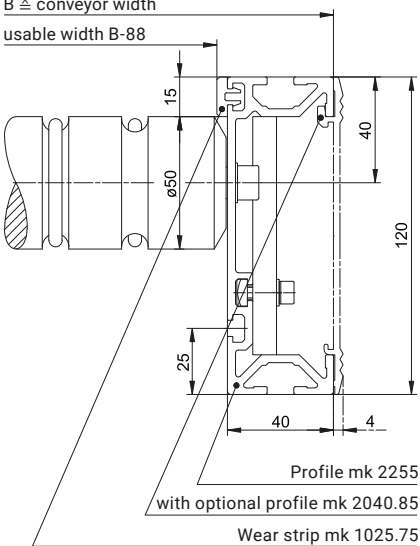


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Cross Section

$B \triangleq$ conveyor width
 usable width B-88

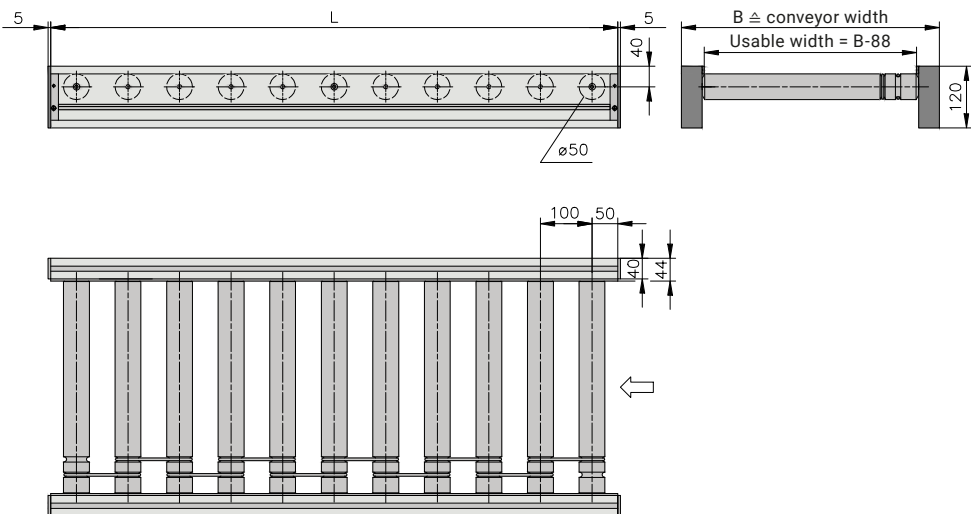


RBM-P 2255 Straight Section

Properties

The drive roller conveyor is based on the mk 2255 profile. The anodised conveyor frame profiles are designed for a spacing of 100 mm and a roller diameter of 50 mm. A maximum of five rollers per drive roller are connected and driven by round belts upstream and downstream of the drive roller. We recommend using one drive roller per metre with the spacing $p = 100$ mm.

B61.02.005



Technical data

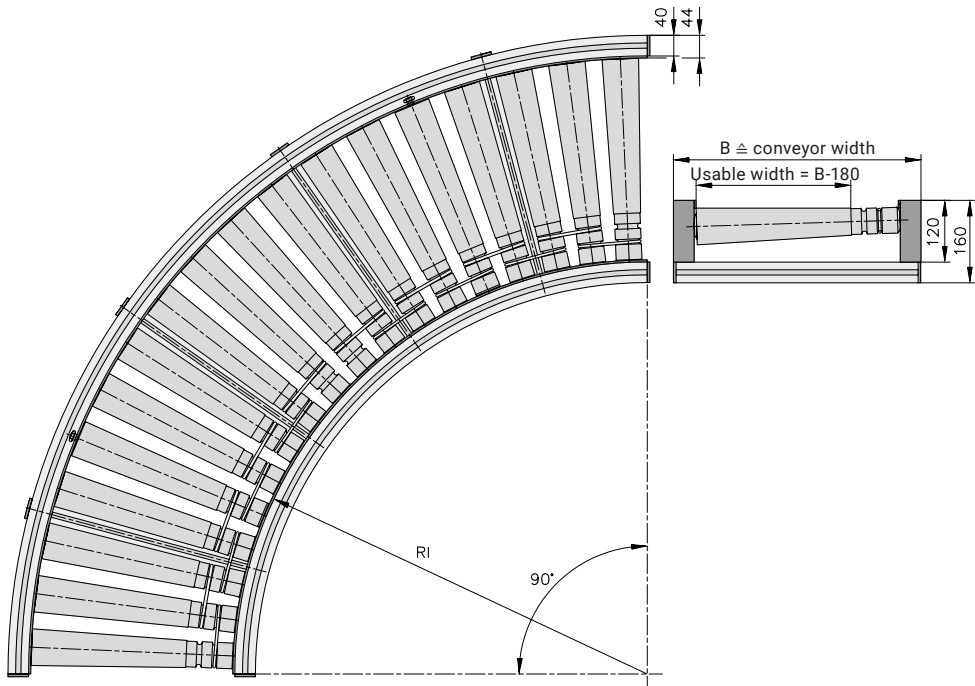
Roller diameter	50 mm, made from galvanised steel	
Conveyor width B	480, 580 and 680 mm	others on request
Conveyor length L	500–10000 mm	
Spacing p	100 mm	
Conveyor frame profile	mk 2255	
Roller types	type 51, 55 and 66	from p. 264
Speed	up to 70 m/min	p. 12
Stand	only with conveyor stand option variant D	from p. 280
Load capacity, standard	depending on the gear ratio of the drive rollers and 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 Curved Section

Properties

The curve builds on the straight line with a cylindrical \varnothing 50 mm roller. The curve is fitted with conical elements based on the radii. The speed specifications refer to the middle of the conveyor. For quiet running, the rollers in the standard version are designed with a 5% partition.

B61.02.006



Technical data

Roller diameter	50 mm, conical, made from plastic	
Conveyor width B	480, 580 and 680 mm	
Inner radius RI	800 mm	
Spacing	5°/number: 18 rollers	
Conveyor frame profile	mk 2255	
Roller types	type 52, 56 and 67	from p. 264
Speed	up to 30 m/min	p. 12
Stand	only with conveyor stand option variant D	from p. 280
Load capacity, standard	depending on the conveyor width and conveyor roller, up to 55 kg/90°	higher on request