

# BELT CONVEYORS

## BM 8432/8442

Straight

Center drive + upper arch



24V

48V

400V



### Product description

The belt conveyor with top arch is used for transporting all types of goods on inclines or declines. The arch reduces noise and the impact of the conveyed goods as they pass over the arch.

The belt conveyor is available with a gear motor and torque transmission (BM 8432) and with a drum motor (BM 8442).

### Scope of delivery

- Supply incl. 1 sensor
- The module is partially assembled and possibly broken down into sections; the side guides are enclosed separately
- Please order supports and end caps separately



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### Technical data

<b>General technical data</b>	
Max. load capacity*	50 kg/m (standard)
Max. load capacity per module*	550 kg
Conveyor speed*	0.1 to 2.5 m/s (at 50 kg)
Incline/decline	Max. 18°
Ambient temperature	+5 bis +40 °C
<b>Drive</b>	
Rated voltage	400 V
Electrical power	Max. 3 kW
Motor type	Drum motor/gear motor
<b>Materials</b>	
Conveyor belt	2-layer, PVC, grooved longitudinally
Slider bed	Zinc-plated sheet steel 2.5 mm Zinc-plated sheet steel 3 mm (from BF = 840 mm)

\*The combination of maximum values is not always possible.

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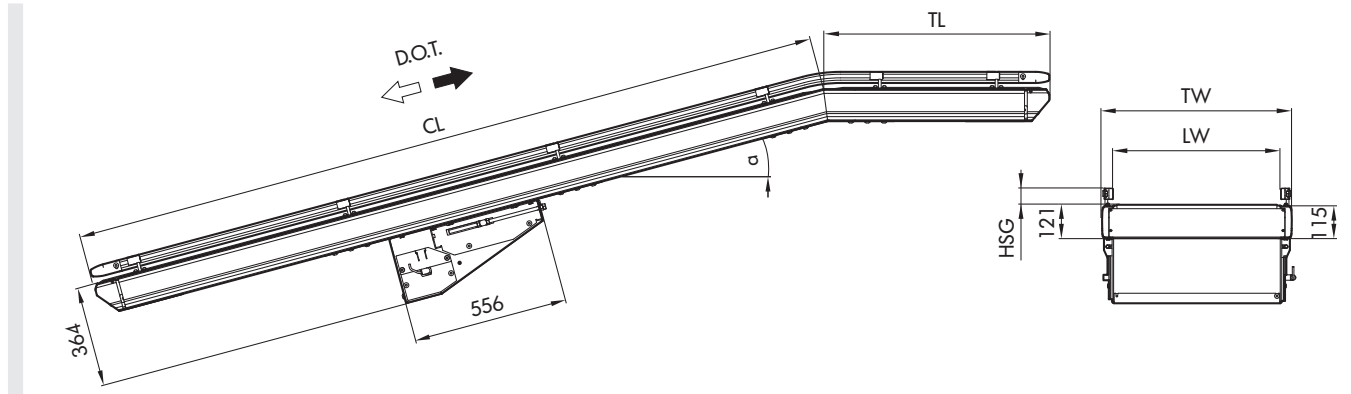
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### Dimensions



BF	Rated width	420, 620, 840 mm (others on request)
LW	Clear width	BF (+120/-90 mm per side with flexible side guide)
ML	Module length	1500 to 20010 mm
CL	Length of incline or decline section	ML - TL
TL	Top length	736 to 2146 mm
TW	Module width	BF + 80 mm
α	Incline/decline angle	6°/9°/12°/15°/18°
HSG	Side guide height	68 mm (standard), adjustable from 35 - 80 mm with fixed holders