



SchmidSystemtechnik



Expandable Roller Conveyor

Due to their flexibility driven roller conveyors are used in many applications in various industries, for example in parcel, express and courier services, mail order or in the packaging industry.

Flexible application

Flexible roller conveyors are characterized by a high degree of flexibility, in particular regarding to layout, position and application.

Therefore, they are used for loading and unloading of trucks and swap bodies or as alternative conveyor lines at peak times and in contingency scenarios.

Ergonomics

Thanks to the large diameter of the castor rolls, our extendable roller conveyors can be moved very easily.

Ergonomically shaped grips attached to the supports allow easy handling even with gloves.

Reliability

The design as well as the quality of the used parts guarantee a high degree of reliability and a long product life even under the toughest operating conditions. The galvanized sheet-metal parts e. g. feature a thickness of 4 mm and the supports that are reinforced by a bending laser construction are strengthened by cross struts.



Length and roller pitch

The expandable roller conveyor are designed in segments of one meter, each equipped with a drive.

The rollers are driven by o-rings. The ratio of the length of the extended conveyor to the length of the retracted conveyor defines the minimum and maximum roller pitch.

Control modes

The standard operating mode can be optionally completed with control modes such as stopping at an output light sensor, zero-pressure metering, adjustable speed, reverse mode or a pedal-operated switch. Also, several adjustable roller conveyors can be mechanically as well as electrically coupled together.



Specifications

Nominal length:	3,000 – 20,000 mm
Nominal width:	600 / 800 / 1,000 mm
Rollers:	Ø 50 mm, steel, galvanized
Roller pitch:	55 - 100 mm
Conveying height:	700 mm - 900 mm, continuous
Conveying speed:	0.5 m/s
Drives:	0.12 kW per 1,000 mm length
Load:	150 kg/m
Surface:	Powder-coated and galvanized
Accessories:	Ergonomic grips Lockable castors

Options

Adjustable conveying speed 0.3 – 0.8 m/s
Reversible conveying direction
Rollers Ø 40 mm
Customized roller pitch
Mechanical coupling
Automatic stop
Intermittent operation for zero-pressure conveying
Operation by pedal switch
Controls interface to adjacent conveying system
Power supply 230 V or 400 V