SchmidSystemtechnik

Belt Curve

The frame of the belt curves manufactured by Schmid Systemtechnik essentially consists of a stable and torsion-free aluminum profile.

The combined drive and tensioning unit guarantees a quiet and low-noise operation. Conical pulleys are used, the drive pulleys are coated for an optimal power transmission.

The belt drive works based on friction locking and is capable on conveying piece weights of up to 50 kg/m. Also, the modular design allows a quick and easy belt change.

Plug-on motors are used as drives. The drive position is located either on the inside or outside of the pulley, depending on the given situation.

The proven structure described results in a compact and lightweight construction, so that the belt curves can be easily integrated into existing systems. The possibility of delivering belt curves with individual conveyor angles guarantees a high degree of flexibility.

The belt curves are suitable for continuous operation and are almost maintenance-free.

Conveyor belt

An antistatic belt with two fabric layers is used as standard, optionally with a smooth or structured carrying side. On request, the belt conveyor can also be supplied with a food-safe or flame-retardant belt.

Belt adjustment

All moving parts are enclosed or, like the return run, enclosed by perforated sheet metal. Yet the adjustment of the belt run is possible without removing the protective plates.

Side guards

The height of the side guards is available in various heights and can be seamlessly attached to the guards of adjacent conveyor systems.

Specifications

Conveying angle:	30°, 45°, 60° and 90°
Nominal radius:	1,900 mm and 2,600 mm
Nominal width:	450 mm – 1,050 mm
Conveying height:	350 mm, min.
Conveying speed:	1.2 m/s, max
Load:	50 kg/m, max.
Accessories:	Supports Covers

Options

Customized dimensions, e.g. angles, radii or widths
Side guards
Adjustable conveying speed
Reversing operation
Sensors, e.g. for flow monitoring
Without support or with ceiling suspension
Flame retardant belts

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