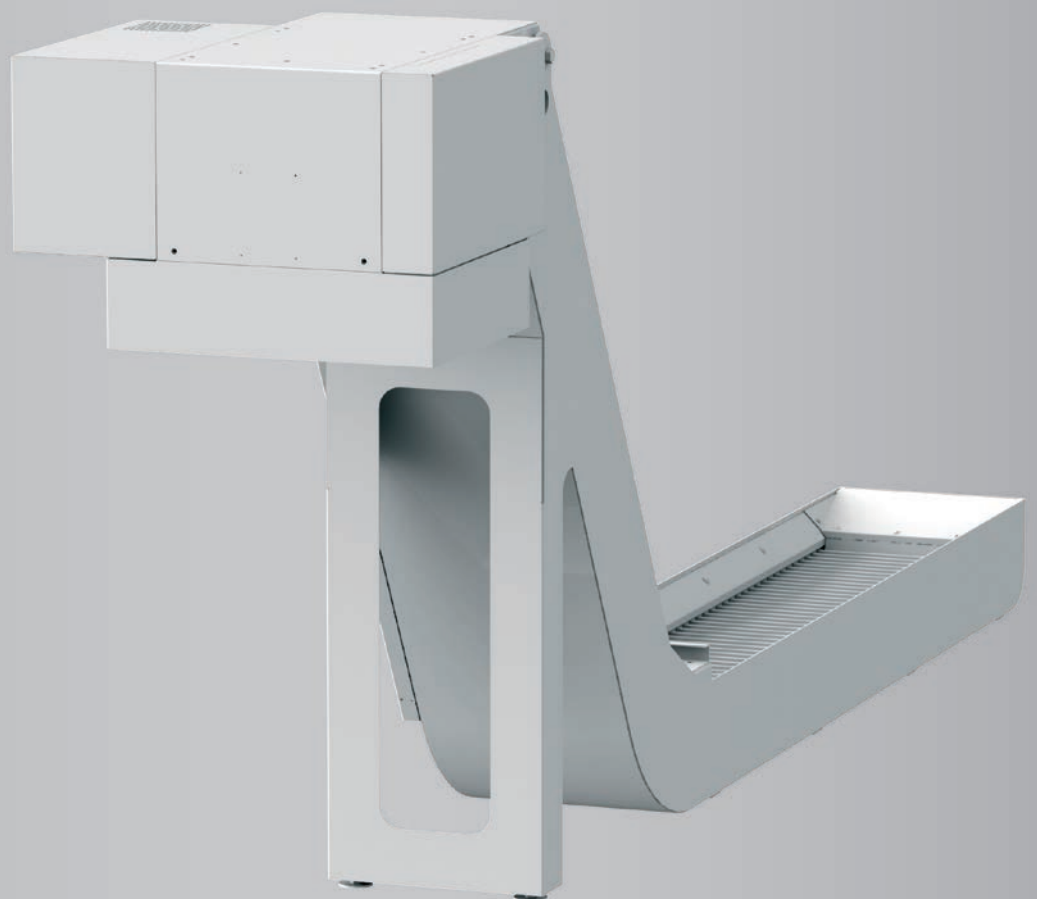


Slat band conveyor P

KNOLL
.It works

Issue 03-2019



Properties

Plates without hinges

Profiled plates

Perforated plates

Belt sealing with labyrinth

Screwed plates and baffle elements

Customer-specific design

Benefits

Great durability

Great stability

Good pre-separation

Good pre-separation

Easy to service

Best possible addressing of the requirements

Areas of application

KNOLL slat belt conveyors P are plants for transporting metal chips and small parts.

- Decentral use on individual and interlinked machine tools
- Central use for waste disposal from machine groups and entire production areas
- Suitable for long chips, chip balls, wool chips (also in combination with short chips)
- Suitable for wet and dry processing

Description

Main functions

1. Collecting of the chips
2. Transporting of the chips to the discharge point on the upper belt span

Additionally for wet processing

3. Collecting of the cooling lubricant
4. Separating of chips and cooling lubricant
5. Buffering of the cooling lubricant
6. Transporting of the cooling lubricant for processing, return pumping station or machine

Continuous slat belt

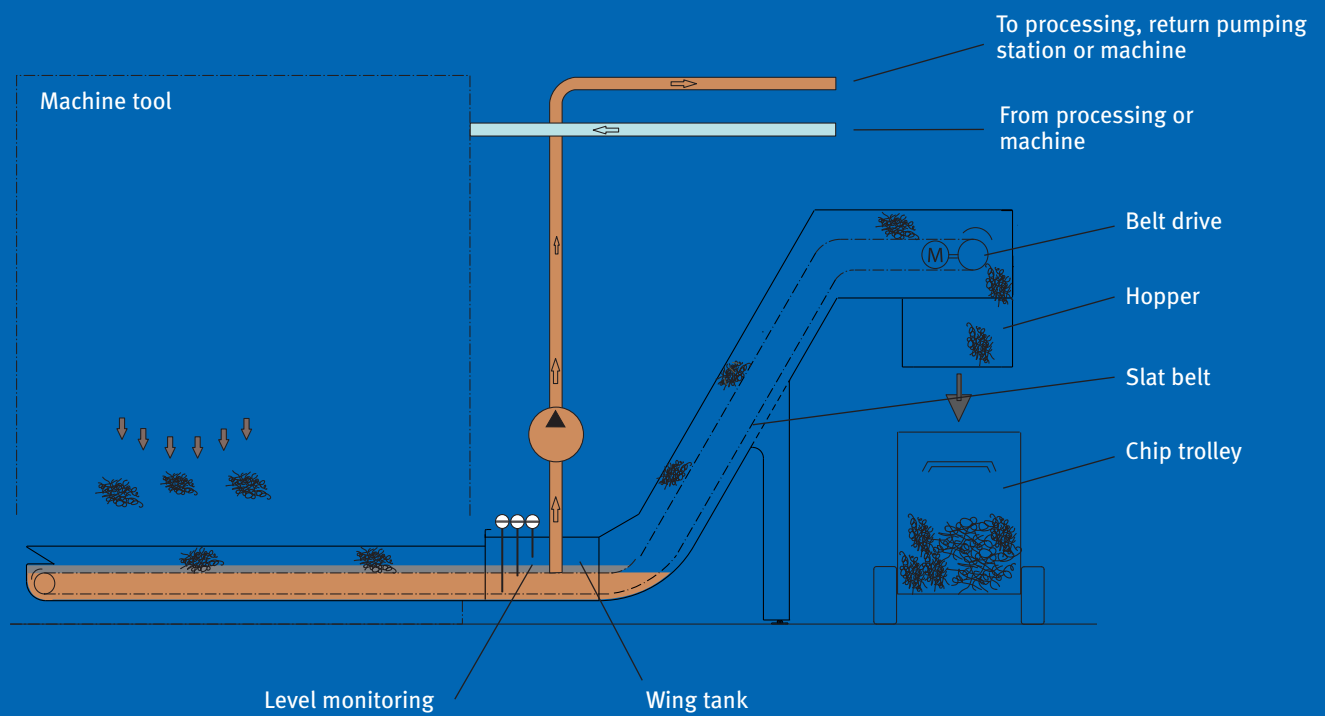
- 2 roller chain strands that are screwed together with steel plates via consoles
- Positively-driven chain circulation
- Conveying on the upper belt span
- Tensioning through easy adjustment of the bearing retainers

Combination possibilities

For further requirements, we can combine the conveyors on request with

- Filter systems for cleaning of the cooling lubricant and supplying of the machine tool
- Chip reducers for generating pumpable or absorbent chips
- Return pumping stations for transporting of chips and cooling lubricant to the central plant
- Extraction stations for transporting of chips to the central plant

Functional scheme



Equipment

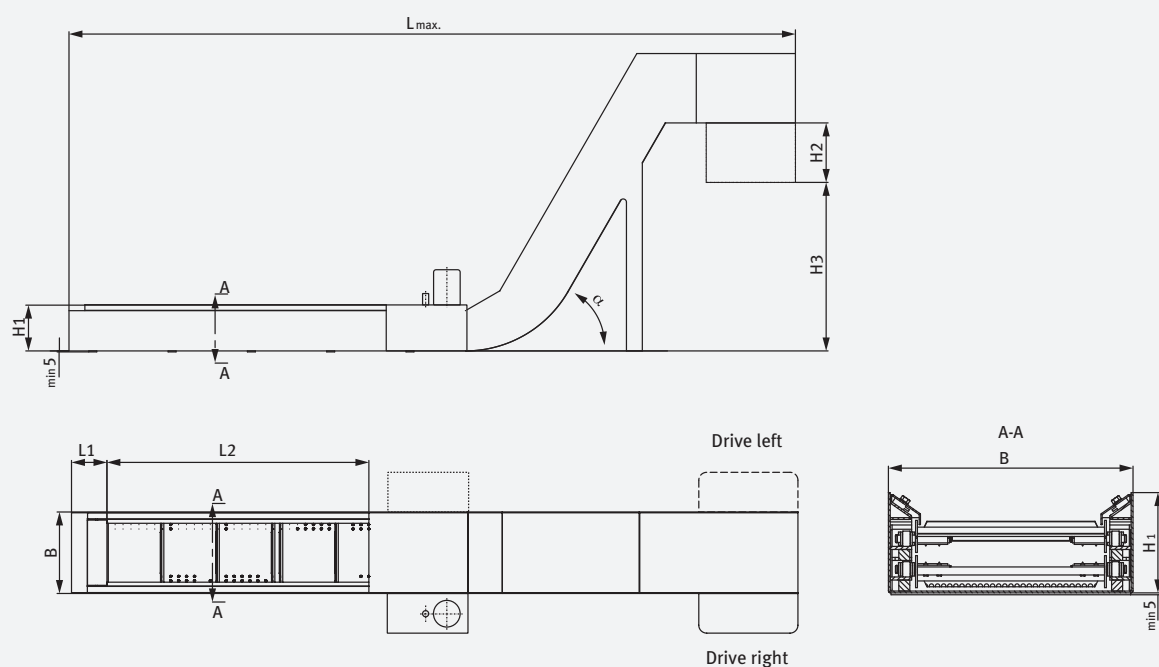
Slat belt	●
Belt drive (attachable gear motor)	●
Belt-drive control with limit switch	○
Belt scraper	○
Lubricator (for dry processing)	○
Support	○
Wingtank	○
Lifting pump(s)	○
Piping and fittings	○
Hopper	○
Chip trolley	○
Control	○

● Standard equipment
○ Option

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Technical Data



Type	Chain pitch	B ⁴ (mm)	H 1	H 2	H 3	α	L max ³
P 40	40	220-260-300-340-400-450- 500-600-680-750-850-1040	min 165	150 ¹ 550 ² 850 ²	– ≤ 1150 ≥ 1150	0°-30°-50°-60°	9 m

Dimensions without units given in mm.

Dimensions H1, H2, H3 and L2 as requested.

¹ Discharge DIN EN ISO 16090-1 (draft)

² Discharge DIN EN 618

³ Approximation value

⁴ Other dimensions on request

Driving power 0.25 to 3 kW