<table>
<thead>
<tr>
<th>Properties</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety slide coupling</td>
<td>Effective overload protection</td>
</tr>
<tr>
<td>Simple layout</td>
<td>Easy to service</td>
</tr>
<tr>
<td>Customer-specific design</td>
<td>Best-possible addressing of requirements</td>
</tr>
</tbody>
</table>

### Application

KNOLL strap hinge conveyors S 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, and wool chips
- Suitable for wet and dry processing

### Description

#### Main functions
1. Collection of the chips/parts
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 cooling lubricant
6. Transporting of the cooling lubricant for processing, return pumping station or machine

#### Continuous strap hinge
- 2 roller chain strands that are connected to steel plates
- Positively-driven chain circulation
- Tensioning through easy adjustment of the bearing retainers

#### Combination possibilities
For other requirements, on request we can combine the conveyor with
- Filter systems for cleaning the cooling lubricant and supplying the machine tool
- Chip reducers for generating pumpable or absorbent chips
- Return pumping stations for transporting chips and cooling lubricant to the central plant
- Extraction stations for transport of chips to the central plant
Equipment

Strap hinge ●
Belt drive (three-phase geared motor with overload protection) ●
Safety slide coupling ●
Belt-drive control with limit switch ○
Belt scraper ○
Lubricator (for dry processing) ○
Support ○
Wing tank ○
Level monitoring ○
Lifting pump(s) ○
Piping and fittings ○
Hopper ○
Chip trolley ○
Control ○

● Standard equipment ○ Option
Dimensions and technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Chain pitch</th>
<th>Bs</th>
<th>B</th>
<th>H1 standard</th>
<th>H1 drawn in</th>
<th>L max.² (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-2</td>
<td>63</td>
<td>150-190-225-262-300-375-450-600-750-900-1200</td>
<td>B₅ + 120</td>
<td>216</td>
<td>152</td>
<td>15</td>
</tr>
<tr>
<td>S-2-S</td>
<td>63</td>
<td>300-450-600</td>
<td>B₅ + 120</td>
<td>276</td>
<td>152</td>
<td>25</td>
</tr>
<tr>
<td>S-3</td>
<td>100</td>
<td>300-450-600-900</td>
<td>B₅ + 155</td>
<td>550</td>
<td>450</td>
<td>60</td>
</tr>
</tbody>
</table>

Dimensions without units given in mm.
1 Intermediate widths not possible, wider types on request
2 Standard value
3 LA = Feeding length
4 HA = Discharge height above ground
Dimensions HA and L on request
H1 + H2 = H; H2 min. = 25 mm
Other dimensions on request
Lead angle α = 0°-30°-45°-60°-75°
Depending on model, driving power of 0.25 to 3 kW