Scraper conveyors

For disposal of small materials

Transport of the material takes place via drivers which push the material along the floor of the housing towards the discharge.

Cooling lubricants are collected in the conveyor housing and can be fed back into the machine circuit via an added-on container or a pumping unit. Our scraper conveyors can be used as stand-alone conveyors at machine tools or as linked conveyor systems. Depending on the design, the material to be conveyed is brought to the required height at a defined incline and then discharged.

The solution for small and short chips:
- Frequently used for machining of non-ferrous metals
- Can also be used for very hard, short chips
- Casting chips, milling chips and sawing chips

Structure
- Stable metal plate construction
- Standardized housing cross-section with variable width
- Robust worm gear motor with torque switching
- Customized discharge height
- Customized incline standards = 30°, 45° and 60°
- Floor mounting or as a push-in version into the machine base

Accessory examples
- Motor monitoring systems with current monitoring relay
- Other overload safety devices (on request)
- Coolant container with pump station
- Direct electrical connection to your machine controller
- Other special solutions are available. Please do get in touch with us, we will be happy to advise you.
Typical designs

Straight design

- Can be used in a horizontal or inclined position.
  Max incline 45°

Straight/rising design

- Max. incline 45°

Straight/rising/straight design

- Max. incline 60°

Subject to change.
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Types and main areas of application

**KRF 040 – the “classic” scraper conveyor**
Pitch of the scraper belt $t = 40$ mm
Our standard scraper conveyor for smaller machine tools and small quantities of chips.

**KRF 063 – for somewhat “bigger” tasks**
Pitch of the scraper belt $t = 63$ mm
For larger machines and larger quantities of chips.

**KRF 100 – the “Jumbo” for highest demands**
Pitch of the scraper belt $t = 100$ mm
Special solution for very large quantities of chips.
Standard dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Pitch t</th>
<th>Box height HK</th>
<th>Scraper belt width BKR</th>
<th>Box width BK</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRF 040.00</td>
<td>40</td>
<td>140</td>
<td>150, 200, 250, 300, 450, 600</td>
<td>BKR + 90 mm</td>
</tr>
<tr>
<td>KRF 063.00</td>
<td>63</td>
<td>216</td>
<td>150, 300, 450, 600, 750, 900</td>
<td>BKR + 120 mm</td>
</tr>
<tr>
<td>KRF 100.00</td>
<td>100</td>
<td>420</td>
<td>150, 300, 450, 600, 750, 900</td>
<td>BKR + 150 mm</td>
</tr>
</tbody>
</table>

Special dimensions on request.

Dimensions of conveyor housing

<table>
<thead>
<tr>
<th>Type</th>
<th>HK</th>
<th>HKE</th>
<th>LAW</th>
<th>LA</th>
<th>LU min</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRF 040.00</td>
<td>140</td>
<td>110</td>
<td>500</td>
<td>180</td>
<td>73</td>
</tr>
<tr>
<td>KRF 063.00</td>
<td>216</td>
<td>153</td>
<td>620</td>
<td>240</td>
<td>106</td>
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<tr>
<td>KRF 100.00</td>
<td>360</td>
<td>260</td>
<td>1000</td>
<td>600</td>
<td>215</td>
</tr>
</tbody>
</table>

Dimensions in mm

Variable dimensions:

- BKR = Scraper width
- BK = Box width
- BAG = Feed width

Design-dependent dimensions:

- HK = Box height
- HKE = Retracted box height
- LA = Length of the tail (discharge, incl. tensioning distance)
- LU = Length of the tail (feed)