Modular Belt Conveyor KMF-P 2040

Efficiently handle any track layouts
Curved Modular Belt Conveyor KMF-P 2040

Benefits of the KMF-P 2040

- High load capacities available
- Positive drive mechanism eliminates slippage and makes it suitable for wet applications
- Maximum usable width with low total width
- Lateral movement of conveyed products
- Chain material is highly resistant to wear and abrasion, making it suitable for high temperatures, contact with chemicals or food, etc.
- Variable track layouts with just a single drive, different speeds at no additional cost

Cross Sections

Conveyor frame curve

Conveyor frame straight
Properties

The curved modular belt conveyor KMF-P 2040 has a modular design and, with just one drive for complex track layouts, is extremely efficient. At lengths of up to three metres, the chain does not sag but the belt still runs quietly. With lengths of around three metres or more, there is chain sagging on the drive end, which is enclosed by a protective box. This results in an additional obstructing edge.

Technical data

<table>
<thead>
<tr>
<th>Curve angle $\alpha$</th>
<th>$45^\circ$ and $90^\circ$ (in combination, also $135^\circ$ and $180^\circ$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td>head drives AC, AF and AS</td>
</tr>
<tr>
<td>Speed</td>
<td>5 to 30 m/min</td>
</tr>
<tr>
<td>Load capacity</td>
<td>depending on the track layout, conveyor length and conveyor width, up to 150 kg. Higher on request.</td>
</tr>
<tr>
<td>Cleats and side plates</td>
<td>the chain can be fitted with optional transverse cleats and side plates with $H = 25$ mm.</td>
</tr>
</tbody>
</table>
KMF-P 2040 Variants

**Dimensions [mm]**

<table>
<thead>
<tr>
<th></th>
<th>Curve L135° (also available as L180°)</th>
<th>Curve L90°</th>
<th>Curve L45°</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conveyor width</strong> (B)</td>
<td>394 470 623 699</td>
<td>341 427 487 543</td>
<td>164 241 317 394</td>
</tr>
<tr>
<td><strong>Chain width</strong> (KB)</td>
<td>455 531 608 684</td>
<td>392 478 539 615</td>
<td>149 226 302 379</td>
</tr>
<tr>
<td><strong>Usable width</strong> (NB)</td>
<td>511 588 664</td>
<td>458 543 619 715</td>
<td>134 211 287 364</td>
</tr>
<tr>
<td><strong>Length L1 (min.)</strong></td>
<td>683 797 912</td>
<td>622 729 835 921</td>
<td>224 339 453 569</td>
</tr>
<tr>
<td><strong>Length L2 (min.)</strong></td>
<td>758 910 1062</td>
<td>794 930 1087 1223</td>
<td>645 645 645 758</td>
</tr>
<tr>
<td><strong>Length L3</strong> (min.)</td>
<td>910 1062 1216</td>
<td>946 1092 1249 1395</td>
<td>400 400 400 400</td>
</tr>
<tr>
<td><strong>Inner radius</strong> (Ri)</td>
<td>997 1164 1334</td>
<td>1133 1299 1466 1633</td>
<td>324 493 660 830</td>
</tr>
</tbody>
</table>

**Track U**

**Track S**

**Examples of a Track Layout**

**Track U**

**Track S**
## KMF-P 2040 Drive Versions

### Head drive AC

<table>
<thead>
<tr>
<th>Type</th>
<th>B20.40.826</th>
<th>B20.40.827</th>
<th>B20.40.828</th>
</tr>
</thead>
</table>

**Properties**
- Standard head drive.
- Drive version with a variety of combination options for motors, gearboxes and sprocket wheels.

**Drive location**
- discharge end left/right

**Motor orientation**
- 0°, 90°, 180°

**Speed**
- 5 to 30 m/min

### Head drive AF

<table>
<thead>
<tr>
<th>Type</th>
<th>B20.40.823</th>
<th>B20.40.824</th>
<th>B20.40.825</th>
</tr>
</thead>
</table>

**Properties**
- Direct head drive.
- Compact and low-maintenance drive version with a motor that is fitted directly on the drive shaft

**Drive location**
- discharge end left/right

**Motor orientation**
- 0°, 90° (front terminal box), 180°, 270°

**Speed**
- 5; 7; 10; 12.5; 17; 20.5; 26; 29.5 m/min

### Head drive AS

<table>
<thead>
<tr>
<th>Type</th>
<th>B20.40.820</th>
<th>B20.40.821</th>
<th>B20.40.822</th>
</tr>
</thead>
</table>

**Properties**
- Compact head drive, positioned laterally on the outside.
- A drive version restricted to a minimum total height with motor mounted on the outside

**Drive location**
- discharge end left/right

**Motor orientation**
- 0°, 90°, 180°, 270°

**Speed**
- 5 to 30 m/min