Chain Conveyor

RFKG
Chain Conveyor RFKG

For conveying dry, fine-grained and coarse-grained materials in a compact, regular stream.

Design
- Completely enclosed casing
- Reduced material residues in the drive and return units
- All elements have been optimized to prevent material residues
- Low operating power requirement
- All elements made of materials safe for food applications

Operational reliability
- Sensor for detecting material backups in the drive unit
- Sensor for detecting zero chain speed at the return shaft
- All moving parts completely enclosed

Additional elements
- Cleaning flights for additional clearing for material changes
- Dosing elements for different requirements
- Receiving hoppers
- Outlet hoppers with angles of 35° and 55°
- Bent casing sections with angles up to 15°
- Inspection windows

Surface treatment
Standard
- Food-compatible white synthetic resin-based paint, NCS 1000
- For outdoor applications, multi-layer anti-corrosion paint

Option
- Finish according to customer's need

Return end
- With screw take-up
- Shaft equipped with flanged self-aligning roller bearings
- Permanently installed zero-speed detector

Conveying chain
- Drop-forged and hardened, with high tensile strength
- With plastic cleaners for keeping the casing bottom clean
- With chain guide bars of plastic and manganese steel at the deflection points
Drive
- Mounted directly onto drive shaft with torque support and shrink disk
- Can be installed on either side
- Drive unit as required with material bypass
- Shaft supported by flanged self-aligning roller bearings

Outlet gates
- Can be installed in any position
- Clean, tight, no material residues
- Good discharge
- Compact outside dimensions
- Pneumatic, manual or electric operation of gates
**Dimensions**

**Design versions**

**Conveyor selection**

Determining the design version and the optimal conveying velocity requires accurate knowledge of the properties and the conveying characteristics of the material handled. For the specific selection and determination of all values, please contact the sales and engineering departments.

**The following table shows approximate values for maximum throughput rates.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. Throughput</th>
<th>Chain/Chain tension</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFKG-100</td>
<td>150 t/h</td>
<td>102 V/25 kN</td>
</tr>
<tr>
<td>RFKG-200</td>
<td>330 t/h</td>
<td>102 V/25 kN</td>
</tr>
<tr>
<td>RFKG-400</td>
<td>520 t/h</td>
<td>142 Z/50 kN</td>
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<tr>
<td>RFKG-600</td>
<td>820 t/h</td>
<td>142 V/80 kN</td>
</tr>
<tr>
<td>RFKG-800</td>
<td>1010 t/h</td>
<td>142 V/80 kN</td>
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<tr>
<td>RFKG-1000</td>
<td>1300 t/h</td>
<td>142 V/80 kN</td>
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</tbody>
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