User manual
Interroll Lift
RM 6008
Manufacturer's address

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Installation declaration
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About this document

Information about the operating instructions

Contents

These operating instructions contain important details and information about the various operating phases of the conveyor:

• Transport, assembly and start-up
• Safe operation, required maintenance, remedy of possible faults
• Spare parts, supplementary accessories

Product affiliation

The operating instructions describe the finished conveyor at the time of initial delivery.

Supplementary to these operating instructions, special contractual agreements and technical documents apply for special conveyor versions and additional appliances.

These operating instructions are an integral part of the conveyor

➢ To ensure trouble-free and safe operation as well as the settlement of any warranty claims, always read these operating instructions first and observe all the information contained herein.
➢ Keep these operating instructions close to the conveyor.
➢ Always give the operating instructions to each subsequent owner or user. Interroll shall not accept liability for any damages or malfunctioning caused by non-adherence to these operating instructions.
➢ Please contact Interroll Customer Service if you have any further questions after reading these operating instructions. See the last page for your local contact.
Warning signs in this document

The warning signs in this document provide information about dangers which may arise during conveyor operation. The relevant warning signs are displayed in the "safety" section, see "Safety", page 5 and at the beginning of each chapter.

There are three types of warning signs:
- DANGER
- WARNING
- CAUTION

### Signal word | Meaning | Consequences of non-adherence
--- | --- | ---
DANGER | warns of an imminent danger | death or serious injuries.
WARNING | warns of a possible danger | death or serious injuries are possible.
CAUTION | warns of a possibly dangerous situation | slight injuries are possible.

**Warning sign design**

- Always read and carefully observe all warning signs.

**Other symbols**

- This symbol displays safety instructions.
- This symbol displays useful and important information.
- This symbol refers to an actual task.
Safety

Basic safety instructions

The conveyor was state of the art and generally safe to operate at the time of delivery; however dangers may still arise during utilization:
• Danger of death or personal injury to operators and others
• Adverse effects on the conveyor and other areas

Non-adherence to the information in these operating instructions can result in life-threatening injuries!
➢ Read these operating instructions carefully and adhere to the information contained herein to ensure safe conveyor operation.

Intended use

The conveyor is intended for use in industrial environments and should only be applied to the vertical transport of goods, such as parts, boxes or crates. The main purpose is to connect conveyor lines at different levels.

Application area

The conveyor is intended for certain application areas only (see "Product identification", page 8 and the following) and its defined capacity limits must not be exceeded during operation.

Any other use is not permitted. Operating conditions which deviate from those specified require additional declarations, special approval for the conveyor and new contractual agreements.

Conveyor modifications

Users are not permitted to carry out alterations or modifications which will have an adverse effect on safety.

Incorrect use

The conveyor is not intended for transporting people, bulk goods and small parts.

Specialists

Specialists are personnel who have the knowledge to read and understand the operating instructions and the ability to carry out work professionally while observing national regulations.

Electricians

According to German accident prevention regulations (BGV A2), electricians must be able to assess and recognize possible dangers when performing entrusted tasks due to their professional training, know-how, experience and knowledge of relevant regulations.
Dangers

This section provides information about various dangers and damages which may occur when operating the conveyor.

Safety equipment
- Only carry out maintenance and repair work once the machine has been de-energized and measures have been taken to ensure that it cannot be started accidentally.
- Organize additional safety measures for passageways and to stop people reaching into the moving conveyor.
- Never remove protective covers or housings.
- Regularly inspect safety equipment.

Electricity
- Never reach into a live machine.

Rotating parts
- Never wear loose clothing.
- Never wear jewelry, such as necklaces or bracelets.
- If you have long hair, always wear a hair net.

Falling objects/Work environment
- Always remove materials and objects which are not required from the work area.
- Wear safety shoes.
- Regulate and monitor the position of goods.

Malfunctioning during operation
- Regularly inspect the conveyor for visible damages.
- Stop the device immediately and ensure that it cannot be started accidentally. Smoke, unusual noises, trapped or broken goods, defective support stands, side guides or accessory appliances.
- A specialist must locate the source of the fault immediately.
- Immediately clean up any leaked gear oil.
- Do not climb on the conveyor during operation.

Maintenance intervals
- Carry out maintenance and inspections regularly.
- Only use original spare parts.

Interfaces to other devices

Danger zones can arise when integrating the conveyor into a system. These zones will not be described in these operating instructions and must be analysed during installation and initial start-up of the respective system.
- After connecting the conveyor to other conveyors or machines, always check for new danger zones prior to initial start-up.
- If necessary, implement further constructional measures.
**Safety**

---

**Operating modes**

**Normal mode**  
Operation of the installed device at the end customer as a conveyor in a complete system.

**Special mode**  
All operating modes which are required to guarantee and maintain safe and normal operation.

<table>
<thead>
<tr>
<th>Special operating mode</th>
<th>Explanation</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport/Storage</td>
<td>Loading and unloading, transport and storage</td>
<td>-</td>
</tr>
<tr>
<td>Assembly/Initial start-up</td>
<td>Installation at the end customer's and execution of a test run</td>
<td>-</td>
</tr>
<tr>
<td>Cleaning</td>
<td>Cleaning the outside without removing safety equipment</td>
<td>When de-energized</td>
</tr>
<tr>
<td>Maintenance/Repairs</td>
<td>Maintenance and inspection tasks</td>
<td>When de-energized</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>Troubleshooting in case of faults</td>
<td>When de-energized</td>
</tr>
<tr>
<td>Fault elimination</td>
<td>Eliminating the fault</td>
<td>When de-energized</td>
</tr>
<tr>
<td>Shut-down</td>
<td>Removal from the system</td>
<td>When de-energized</td>
</tr>
<tr>
<td>Disposal</td>
<td>Removal from the system and disassembly</td>
<td>When de-energized</td>
</tr>
</tbody>
</table>
Product identification

Components

Conveyor design
① Motor
② Toothed belts
③ Guide roller
④ Lifting forks

Characteristic
The vertical conveyor is used to vertically transport conveyed goods. The main purpose is to connect conveyor lines at different levels.
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**Product identification**

**Product variants**

<table>
<thead>
<tr>
<th>RM 6008</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height of lift</strong></td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>Overall height</strong></td>
<td>Depends on structural conditions</td>
</tr>
<tr>
<td><strong>Conveying speed (V)</strong></td>
<td>Max. 1.0 m/s</td>
</tr>
<tr>
<td><strong>Conveyor weight</strong></td>
<td>The weight is indicated on the type plate</td>
</tr>
<tr>
<td><strong>Applied load</strong></td>
<td>100 kg + load handling attachment</td>
</tr>
<tr>
<td><strong>Degree of protection</strong></td>
<td>IP 54</td>
</tr>
<tr>
<td><strong>Drive</strong></td>
<td>Worm gear motor 400V</td>
</tr>
<tr>
<td><strong>Transmission</strong></td>
<td>2 toothed belts</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>–5 °C to +50 °C ambient temperature</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>Max. 90%, non-condensating</td>
</tr>
<tr>
<td><strong>Ambient conditions</strong></td>
<td>Not suitable for application in areas with chemically aggressive media, e.g. acids or alkalis. Exceptions only after prior consultation.</td>
</tr>
<tr>
<td><strong>Noise</strong></td>
<td>Leq &lt; 70 dB(A)</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>The vertical conveyor is a column construction having a lift truck on which a conveying system is mounted. The column construction is made from sturdy, perpendicular aluminium profiles with base plates and cross-bracing. The lift truck is a welded construction made from steel profiles. Therefore, it is highly bending resistant. It is supported via guide rollers or linear guides and is raised or lowered by a motor. The lifting stroke is controlled by two circulating toothed belts. The motor is connected by a flange to the top and one side of the drive shaft. The lift truck can be fitted with standard conveyors and special conveyor elements. The preferred elements are conveyor belts, chain conveyors, roller conveyors or turning gear.</td>
</tr>
</tbody>
</table>
**Type plate**

1. Company's address
2. Year of manufacture
3. Weight in kg
5. Type designation (= order code)

The type plate specifications identify the conveyor. The type designation is required for correct application of the conveyor.

The type plate is located close to the motor.
Transport and storage

Transport

- Refer to the enclosed data sheet for details about the weight and requirements for load carrying and load securing equipment.
- Ensure people are not in the danger zones.
- Wear safety shoes.
- Check secure fastening for transport
  The lifting points are marked on the conveyor.

Refer to the enclosed data sheet for information about conveyor transport.

- Refer to the enclosed data sheet for details about the weight and requirements for load carrying and load securing equipment.
- Ensure people are not in the danger zones.
- Wear safety shoes.
- Check secure fastening for transport

Lifting point identification

After delivery

- Inspect the delivery for transport damages. Notify the transport company and the manufacturer immediately if any defects are detected to prevent claims being refused.

Storage

- Do not stack conveyors on top of each other. Do not place other objects on the conveyor.
- Check the stability of the conveyor.
- If the conveyor is not to be used immediately, store and protect it from moisture and dust.

Risk of injuries due to incorrect transport!
- Transport must be carried out by qualified and authorized personnel.

Risk of injuries due to incorrect storage!

CAUTION

WARNING
Assembly and installation

Assembly

The conveyor is supplied fully pre-assembled at the installation site and only has to be erected, connected and integrated into a system.

Assembling the conveyor

- Align the conveyor. Use a spirit level and a level for this task.
- Secure the conveyor, ensuring it is not twisted or warped, for example on the floor or to adjacent components.
- When aligning the module, make sure there is no contact between moving parts.
- After conveyor installation, make sure passageways are clear of obstacles. If necessary, assemble walkways.
- When integrating the conveyor in a system, always consider possible danger zones, especially where cuts and crushing can occur.

Electrical installation

- Power is supplied to the conveyor either via a CEE plug or direct installation in a control panel.
- Always check cables and assemblies for damages prior to installation.
- Refer to the motor's type plate for connection values.
- Connect the motor in accordance with EN-IEC 60204-1. Refer to the motor's terminal box for wiring information.

---

**WARNING**

Risk of injuries due to incorrect assembly!

- Assembly must be carried out by qualified personnel in accordance with the safety instructions.
- Carefully assemble all the connections, e.g. cables, hoses and pipes, and check that they are connected correctly.

---

**DANGER**

Danger of death due to live cable ends!

- Electrical installation should only be carried out by qualified electricians.
- Disconnect from the power supply.
- Observe the minimum bend radii of the cables, hoses and wires.

---

At or above an overall height of 5 m the conveyor must also be fastened either to the building or to shelves. Before assembling and aligning the conveyor, check the conveying system mounted on the lifting forks. Avoid without fail the possibility of collision points and crushing zones with adjacent conveyors.

- After conveyor installation, make sure passageways are clear of obstacles. If necessary, assemble walkways.
- When integrating the conveyor in a system, always consider possible danger zones, especially where cuts and crushing can occur.
Start-up and operation

Initial start-up

The conveyor has been factory tested.

Nevertheless, the following check must be carried out:

 Check the conveyor for lift prior to initial start-up. Correct if necessary.

Operation

Prior to each operation

 Check the conveyor for visible damage. Pay special attention to the lift unit.
 Ensure that all safety equipment is functioning correctly.
 Make sure that only authorised persons are in the conveyor’s work area.
 Always remove materials and objects which are not required from the work area.
 Provide instructions about and monitor correct loading of the conveyor.

During operation

 Check electrical connections and protective equipment.
 Remove conveyed materials from the conveyor.
 Ensure unauthorised persons are not in the danger zones.
 Wear safety shoes and suitable work clothes.

Risk of injuries due to incorrect handling!

 Never wear loose work clothes, jewellery or chains.
 If you have long hair, always wear a hair net.

WARNING

Rotating parts!
Crushing and serious injuries due to being caught and pulled into the conveyor!

Procedure for accidents or malfunctioning

 Stop the device and ensure that it cannot be started accidentally.
 In case of an accident: If necessary, apply first aid treatment and make an emergency call.
 Inform a specialist.
 A specialist must eliminate the fault.
 Only restart the device after it has been deemed safe and released by a specialist.
Cleaning, maintenance and repairs

Cleaning

![WARNING]

Risk of injuries due to incorrect handling
- Ensure the conveyor is de-energized before cleaning it.
- Disconnect the power supply and ensure that it cannot be connected accidentally.
- Do not remove safety equipment.
- Wear safety shoes and close fitting work clothes.

- Only use suitable cleaning agents, e.g. Matecra ASA 12 diluted with water.
- Refer to the manufacturer information.
- Clean panels on the underside with compressed air (max. 8 bar).

Maintenance and repair work information

![DANGER]

Danger of death due to high voltages!
- Switch off the supply network system, ensuring that the device cannot be started accidentally and that the power supply has been disconnected correctly.

- Work at electrical appliances should only be carried out by authorized and qualified electricians.
- Display signs warning of maintenance and repair work when carrying out tasks.
- Cordon off the area around the conveyor.
- Inform people entering the cordoned off area of the risks.
Replacing the toothed belt

1. Mechanically secure the lifting forks against slipping.
2. To release the tension at the end roller shaft at the bottom of the tensioning station, loosen the screws 2 and the M12 bolts 1.
3. Remove the tensioning elements 4 for the toothed belt at the lifting fork. If necessary, loosen the tensioning bolts 3 for the tensioning elements.
4. Replace the defective toothed belt.
5. Assemble in reverse order.

Components at the lifting fork

Check the toothed belt for straight and true running during assembly.

- Mechanically secure the lifting forks against slipping.
- To release the tension at the end roller shaft at the bottom of the tensioning station, loosen the screws 2 and the M12 bolts 1.
- Remove the tensioning elements 4 for the toothed belt at the lifting fork. If necessary, loosen the tensioning bolts 3 for the tensioning elements.
- Replace the defective toothed belt.
- Assemble in reverse order.

Replacing the engine break or the brake pad

- Mechanically secure the lifting fork against slipping.
- Refer to the information of the motor manufacturer.

Replacing the motor

Motor and torque arm
Cleaning, maintenance and repairs

- Mechanically secure the lifting fork against slipping.
- Unscrew the screw ② at the torque arm.
- Remove the motor together with the torque arm.
- Remove the motor fastening screws from the torque arm and replace the motor.
- Assemble in reverse order.

Replacing the drive shaft

Check the toothed belt for straight and true running during assembly.

Preparing disassembly
- Mechanically secure the lifting fork against slipping.
- Remove the top cover ①.
- Disassemble the motor, see "Replacing the motor", page 15.

Releasing toothed belt tension and removing tensioning elements
- To release the tension at the toothed belt at the bottom of the tensioning station, loosen the screws ② and the M12 bolts ①.
Removing toothed belts and drive shaft

- Remove the tensioning elements 4 for the toothed belt at the top of the lifting forks. If necessary, loosen the tensioning bolts 3 for the tensioning elements.

Drive shaft and toothed belts

- Pull the toothed belts over the drive shaft 2.
- Unscrew the flange plate screws 1 and remove the drive shaft from the top.
- Release and remove the retaining elements of the flange bearing on the drive shaft.
- Remove the toothed belt pulleys 3 of the drive shaft.
- Assemble in reverse order.

Replacing the end roller shaft

- Mechanically secure the lifting fork against slipping.
- To release the tension at the end roller shaft at the bottom of the tensioning station, loosen the screws 2 and the M12 bolts 1.
- Remove the tensioning elements 4 for the toothed belt at the lifting forks. If necessary, loosen the tensioning bolts 3 for the tensioning elements.
Removing toothed belts and end roller shaft

- Pull the toothed belts over the end roller shaft ②.
- Unscrew the flange plate screws ① and remove the end roller shaft from the bottom.

Removing retaining elements and toothed belt pulleys

- Release and remove the retaining elements of the flange bearing on the end roller shaft.
- Remove the retaining ring ③ of the toothed belt pulley ④.
- Remove the toothed belt pulley of the end roller shaft.

Assembling a new shaft

- Assemble in reverse order.

Check the toothed belt for straight and true running during assembly.

Replacing the flange bearing

- When replacing the flange bearing at the top of the drive shaft, see "Replacing the drive shaft", page 16.
- When replacing the flange bearing at the bottom of the end roller shaft, see "Replacing the end roller shaft", page 17.

Replacing the position switch

- Remove the nut ① from the position switch fastening.
- Remove the position switch.
- Carry out installation in reverse order.
Replacing the roller lever switch for belt monitoring

- Remove the screws 1 from the switch fastening.
- Remove the roller lever switch.
- Carry out installation in reverse order.
Replacing the position switch and roller lever switch for emergency off

**Replacing the position switch**
- Remove the screws ① from the switch fastening.
- Remove the position switch.
- Assemble in reverse order.

**Replacing the roller lever switch for emergency off**
- Remove the screws ② from the switch fastening.
- Remove the roller lever switch.
- Assemble in reverse order.
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Cleaning, maintenance and repairs

**Maintenance intervals**

Refer to the manufacturer's documentation for information about lubricating intervals and maintenance tasks at the motor.

All conveyor bearings have lifetime lubrication and are maintenance free within the operating parameters.

**Maintenance and inspection list**

<table>
<thead>
<tr>
<th>Mach. no./Type:</th>
<th>Interval</th>
<th>Task/Inspection</th>
<th>Required work</th>
<th>Carried out by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire machine/system</td>
<td>Weekly</td>
<td>General visual inspection</td>
<td>Replace, if necessary</td>
<td></td>
</tr>
<tr>
<td>Geared motor</td>
<td>Weekly</td>
<td>Check temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listen for noise development</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for oil loss</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for true running (shaft-mounted geared motor)</td>
<td>Replace, if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clean the breather plug, fan wheel and cooling fins</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monthly</td>
<td>Check electrical connections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Entire machine/system</td>
<td>Monthly</td>
<td>Check screwed connections</td>
<td>Retighten if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check that guide lanes are parallel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check that drive belts/chains are running straight and true</td>
<td>Adjust, replace as necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check guide sprockets for wear</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check that moving parts (drive shaft, sprockets, bearings) are correctly connected and not worn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toothed belt</td>
<td>Monthly</td>
<td>Check for tension</td>
<td>Retighten if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for wear and damage</td>
<td>Replace if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check operating behaviour and straight and true running</td>
<td>Adjust, if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for cleanliness</td>
<td>Cleaning</td>
<td></td>
</tr>
<tr>
<td>Drive roller/winding roller/end roller</td>
<td>Monthly</td>
<td>Listen for noise development</td>
<td>Replace, if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check for damage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bearings</td>
<td>Quarterly</td>
<td>Check for operating noise</td>
<td>Replace, if necessary</td>
<td></td>
</tr>
<tr>
<td>Geared motor</td>
<td>Yearly</td>
<td>Check drive (visual inspection)</td>
<td>Replace, if necessary</td>
<td></td>
</tr>
</tbody>
</table>

8,000-10,000 operating hours  
Re-lubricate the gearing and bearings  
Replace, if necessary
Troubleshooting

In case of malfunctioning

![DANGER]

Danger of death due to electric shock!
- Ensure that the conveyor has been de-energized before carrying out maintenance and repair work.
- Faults at electrical appliances should only be eliminated by qualified electricians!

The danger zones at the conveyor are covered by guards and protective equipment.
- Stop the device immediately and ensure that it cannot be started accidentally.
- Secure lifting forks to prevent accidental sinking.
- Remove conveyed material and/or blocking objects.
- Always make sure that nobody can be injured before restarting the conveyor.
- Dispose of any leaked gear oil correctly. If necessary, a specialist must replace the motor.

Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Help</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport cannot be started / Motor not running</td>
<td>Main switch and/or control switched off</td>
<td>➢ Check the switch position. If necessary, actuate the main switch and/or key-operated switch of the control</td>
</tr>
<tr>
<td></td>
<td>Supply line damaged</td>
<td>➢ Check supply line</td>
</tr>
<tr>
<td>Noise development / squeaking / whistling</td>
<td>Bearings defective</td>
<td>➢ Replace</td>
</tr>
<tr>
<td>Protective motor switch is triggered by excessive power input.</td>
<td>Gearing, drive shaft bearing or over drive shaft bearing defective</td>
<td>➢ Replace</td>
</tr>
<tr>
<td></td>
<td>Short circuit</td>
<td>➢ Check electrical connections</td>
</tr>
<tr>
<td></td>
<td>Unit load weight</td>
<td>➢ Observe max. weight</td>
</tr>
<tr>
<td>Conveyor switches off outside of the specified stop position.</td>
<td>Goods, pallet or other objects clamped between lifting forks and conveyor.</td>
<td>➢ Secure lifting forks to prevent accidental sinking ➢ Remove blocking objects</td>
</tr>
</tbody>
</table>
Spare and wear parts

Spare parts drawing
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### Spare and wear parts

#### Spare parts list

Nrec.=Recommended number, S=Spare part, W=Wear part, T=Tool

<table>
<thead>
<tr>
<th>Mach. no.:</th>
<th>Vertical conveyor 30...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>6008</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. no.:</th>
<th>Name</th>
<th>Comment</th>
<th>Nrec.</th>
<th>S/W/T</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Drive shaft Ø20 x L</td>
<td></td>
<td>-</td>
<td>S</td>
</tr>
<tr>
<td>2</td>
<td>Flanged roller</td>
<td></td>
<td>4</td>
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</tr>
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<td>3</td>
<td>Deep groove ball bearing 6004 2Z</td>
<td></td>
<td>4</td>
<td>S</td>
</tr>
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<td>4</td>
<td>Set collar A20 DIN 705</td>
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<tr>
<td>5</td>
<td>Drive shaft Ø60 x L</td>
<td></td>
<td>-</td>
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<tr>
<td>6</td>
<td>Toothed wheel d = 60 52T10 / 40</td>
<td></td>
<td>2</td>
<td>S</td>
</tr>
<tr>
<td>7</td>
<td>End roller shaft Ø60 x L</td>
<td></td>
<td>-</td>
<td>S</td>
</tr>
<tr>
<td>8</td>
<td>Toothed wheel d = 60 52T10 / 40</td>
<td></td>
<td>2</td>
<td>S</td>
</tr>
<tr>
<td>9</td>
<td>Deep groove ball bearing 6010 2ZR</td>
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<td>S</td>
</tr>
<tr>
<td>10</td>
<td>Spacer disc</td>
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<td>W</td>
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<td>11</td>
<td>Flange bearing</td>
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<td>S</td>
</tr>
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<td>12</td>
<td>Toothed belt 15 m</td>
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<td></td>
<td>W</td>
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<td>13</td>
<td>Clamping plate</td>
<td></td>
<td></td>
<td>W</td>
</tr>
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<td>14</td>
<td>Drive motor</td>
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<tr>
<td>15</td>
<td>Proximity switch</td>
<td></td>
<td>2</td>
<td>S</td>
</tr>
<tr>
<td>16</td>
<td>End switch Emergency off</td>
<td></td>
<td>1</td>
<td>S</td>
</tr>
<tr>
<td>17</td>
<td>Rotatable jack</td>
<td></td>
<td>1</td>
<td>S</td>
</tr>
<tr>
<td>18</td>
<td>Proximity switch</td>
<td></td>
<td>2</td>
<td>S</td>
</tr>
</tbody>
</table>

#### Order details

Precise identification of the device is imperative when ordering spare and wear parts, see "Product identification", page 8.

The following information is required for an order:
- Machine number
- Type
- Position number of the spare parts list
- Name
- Comment
- Recommended number (N>rec.)
- It must be stated whether a spare part, wear part or tool (S/W/T) is required

Please contact your supplier for further information about the spare parts on offer.
Shut-down and disposal

Adhere to the manufacturer’s disposal documents when disposing of the motor oil.

To protect the environment, recycle the packaging.

Environmental regulations

When working on and at the conveyor, always observe legal rules and regulations as regards waste avoidance, correct disposal and material recycling.

**NOTICE**

Ensure that materials which are hazardous to waters, such as grease, lubricants, hydraulic oil, coolants or solvent-based cleaning fluids, do not pollute the ground or enter the sewage system during operation!

- Always keep, transport, collect and dispose of these materials in suitable containers.
- Observe information about suitable storage containers.
- Adhere to further national regulations.
Instillation declaration

in accordance with the EC Machinery Directive 2006/42/EC, Appendix II 1 B

The manufacturer:
Interroll Automation GmbH
Dietmar-Hopp-Strasse 3, 74889 Sinsheim, Germany

hereby declares that the conveyor module described below:

• Interroll Lift RM 6008

is an incomplete machine according to the EC Machinery Directive and therefore does not fully comply with the requirements of this directive. Initial start-up of these conveyor modules is not permitted until conformity of the entire machine/system in which they are installed has been declared via the EC Machinery Directive!

Safety and health protection requirements according to Appendix I were applied. The special technical documents according to Appendix VII B were drawn up and will be passed on to the responsible authority if required.

Person responsible for EC documentation: Tobias Gilbert, Interroll Automation GmbH, Dietmar-Hopp-Strasse 3, 74889 Sinsheim, Germany

Applied EC directives:

Machinery Directive 2006/42/EC
Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC

Applied harmonized standards:

EN ISO 12100-1 "Safety of machinery - basic terms, general design principles - Part 1: fundamental terminology, methodology"
EN ISO 13857 "Safety of machinery - safety distances to prevent reaching danger zones with the upper and lower limbs"
EN 349 "Safety of machinery, minimum distances to avoid crushing of body parts"
EN 60204-1 "Safety of machinery - electrical equipping of machines - Part 1: general requirements"

Sinsheim, on Dr.-Ing. Heinrich Droste (Managing Director)