Double-row Ball Bearing Turntables

Extremely robust, strong and durable
Double-row ball bearing turntables – robust, strong and durable

The double-row ball bearing turntables enable the rotation of the pivot support towards the trailer frame. The lower ring is bolted on to the A-frame and the upper ring/inner ring is bolted to the chassis. Thanks to the functional design, the axial loads are ideally supported and the thrust and tractive forces which occur when driving are transmitted in an optimal fashion.

**Premium force transmission for the highest demands**
- The extra large support balls transmit the axial loads over a wide area directly onto the vertical bar of the ring parts
- Horizontal forces in pull or push direction, as well as the moment load resulting from braking and centrifugal forces, are supported by the interplay of the two ball rows
- Lifting forces are transmitted by the smaller radial ball
- Optional fastening using splined bolts, making additional welding of thrust plates unnecessary

**Durable construction with very little wear**
- The use of high-strength steel ensures the greatest possible surface quality
- A robust labyrinth seal protects the tracks from dirt, even in extreme conditions
- The particularly large grease reservoir resulting from the free space between the tracks guarantees smooth running thanks to optimum lubrication
- 8 lubrication points enable the best possible distribution of grease within the tracks with just minimal rotation (+/- 20°) during lubrication
- Optionally available with pre-assembled lubrication block to ensure ideal access to the lubrication points or as preparation for connection to a central lubrication system

**Scope of delivery**
- E-coated
- Labyrinth seal
- Drilled / undrilled
- Special drill templates available on request
- Lubrication manifold (optional)
- Splined bolts (optional)
Innovative technology, proven quality

E-coating
- Premium corrosion protection
- Additional top coat on request

Verified safety
- Tested on the basis of ECE R55
- Environmental management in accordance with ISO 14001
- Quality management in accordance with ISO/TS 16949

Central lubrication manifold
- Makes lubrication easier
- Makes connection to central lubrication system easier
  Item number KLE 0000200

Mounting kit KLE0000500 (Hole pattern 1)

<table>
<thead>
<tr>
<th>Description</th>
<th>per kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexagon screw M16x1,5x55</td>
<td>16</td>
</tr>
<tr>
<td>Hexagon nut M16x1,5</td>
<td>16</td>
</tr>
<tr>
<td>Stop block</td>
<td>8</td>
</tr>
</tbody>
</table>

Mounting kit KLE0000600 (Hole pattern 2)

<table>
<thead>
<tr>
<th>Description</th>
<th>per kit</th>
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<tbody>
<tr>
<td>Hexagon screw M16x1,5x55</td>
<td>24</td>
</tr>
<tr>
<td>Hexagon nut M16x1,5</td>
<td>24</td>
</tr>
<tr>
<td>Stop block</td>
<td>8</td>
</tr>
</tbody>
</table>

Maintenance
JOST double-row ball bearing turntables are supplied with a thin base coating of lubricant. Before it is used for the first time the ball bearing turntable must be lubricated thoroughly. See JOST installation and operating instructions. Connection to the central vehicle lubrication system is possible (solid fat is required).

High performance lubricant
- JOST high performance lubricant for initial greasing or follow-up lubrication in a practical refill set
  Set for single refill, 2 cartridges à 400 g
  Item number SKE 013440000
  Large 25 kg barrel
  Item number SKE 013430000
The axial loads specified can be exceeded by 20% at speeds of below 30 km/h. The axial loads specified are based on centric load introduction. Furthermore, these bearing turntables are only suitable for swivel movements. Please enquire about uses other than these.

The operating instructions of the respective vehicle must be observed when using double-row ball bearing turntables. In Germany, the TÜV regulations and the German Road Traffic Licensing Directive (StVZO) apply.

The axial loads specified for the KLKDR series are based on the pressure direction for vehicles travelling at a speed of up to 105 km/h.

All load data apply for operation in pivot support steering systems on paved roads and under the transport conditions common in Central Europe.