Sealed GMN spindle bearings - KH spindle bearing series

Developed for high speeds and extended bearing service life

Advantages and design features

- High speeds
- Low operating temperature due to optimised raceway geometry
- High operational reliability at increased temperatures due to large radial clearance
- Optimised ball complement/load rating and ball diameter/load rating ratio
- Optimised internal geometry in respect of grease space and oil lubrication
- Optimised for-life grease lubrication, thus increased service life
- No speed reduction due to non-contact seals
- No grease loss in vertical or angular mounting positions
- Reduction in the drying out of grease due to protection from ventilation or air flow
- Reduced need for additional sealing elements
- Reduced sensitivity to contamination in the assembly area

Availability

- Bearing series 619.. and 60..
- Contact angle C or E
- Precision class P4 / ABEC7, higher precision classes on request
- Steel or ceramic balls
- Sealed with for-life grease lubrication
  - with standard grease LUBCON HS TURMOGREASE L 252
  - or customised grease lubrication
- For oil lubrication (open)

Designation examples

<table>
<thead>
<tr>
<th>Ball material</th>
<th>Bearing series</th>
<th>Bearing size</th>
<th>Sealing</th>
<th>Contact angle</th>
<th>Cage</th>
<th>Precision</th>
<th>Matching</th>
<th>Lubrication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>-</td>
<td>KH 6005</td>
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<td>C</td>
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<td>P4</td>
<td>DUL</td>
<td>Topas L 30</td>
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<td>2RZ</td>
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