Special bearings

Bearing Designation: PLC 33-200

Dimensions (mm):

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>d</td>
<td>40</td>
</tr>
<tr>
<td>D</td>
<td>68</td>
</tr>
<tr>
<td>B</td>
<td>60,5</td>
</tr>
<tr>
<td>C</td>
<td>28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>-</td>
</tr>
<tr>
<td>rs min</td>
<td>1</td>
</tr>
<tr>
<td>rs1 min</td>
<td>0,3</td>
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</table>

Basic Load Rating (kN):

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
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<tbody>
<tr>
<td>C</td>
<td>127,000</td>
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<tr>
<td>C0</td>
<td>640,000</td>
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</tbody>
</table>

Limiting Speed for Lubrication (min⁻¹):

<table>
<thead>
<tr>
<th>Lubrication</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Grease</td>
<td>-</td>
</tr>
<tr>
<td>Oil</td>
<td>-</td>
</tr>
</tbody>
</table>

Weight [kg]: 0,654
Tolerance Symbols and Their Meaning

d    nominal bore diameter
\(d_0\) nominal diameter of larger theoretical tapered bore diameter
\(d_0t\) nominal diameter of the shaft washer of double direction thrust bearings
\(\Delta_d\) deviation of single bore diameter from nominal
\(\Delta_{d0s}\) mean cylindrical bore diameter deviation in single radial plane
\(\Delta_{d0s}\) (for tapered \(\Delta_{d0s}\) is valid for theoretical bore diameter)
\(\Delta_{d0s}\) deviation of mean larger theoretical diameter of tapered bore
\(V_{dp}\) mean shaft washer bore diameter deviation of double direction thrust bearings in single radial plane
\(V_{dp}\) single bore diameter variation in single radial plane
\(V_{d0s}\) mean cylindrical bore diameter variation
\(V_{d0s}\) shaft washer bore diameter variation of double direction thrust bearings in single radial plane
\(D\) nominal outside diameter
\(\Delta_{D0s}\) deviation of single outside diameter from the nominal dimension
\(\Delta_{D0s}\) mean outside cylindrical surface diameter deviation in single plane
\(V_{dp}\) single outside cylindrical surface diameter variation in single radial plane
\(V_{dp}\) mean outside cylindrical surface diameter variation
\(B\) inner ring nominal width
\(T\) total nominal width of tapered roller bearings
\(T_i\) nominal effective width of cup sub-unit
\(T_s\) nominal effective width of cone sub-unit
\(H\) rated width of unidirectional axial bearing
\(H_i\) rated height of unidirectional ball axial bearing including the body ring
\(H_s\) rated height of bidirectional axial bearing
\(H_s\) rated height of bidirectional axial ball bearing including body rings
\(H_t\) rated height of spherical-roller bearing
\(\Delta_{D0s}\) inner ring single width deviation
\(\Delta_{D0s}\) outer ring single width deviation
\(\Delta_s\) bearing single width deviation (total)
\(\Delta_{s0s}\) cone sub-unit effective width deviation
\(\Delta_{s0s}\) cup sub-unit effective width deviation
\(\Delta_{s0s}\) height deviation of single direction axial bearings from nominal value
\(\Delta_{s0s}\) height deviation of single direction axial ball bearings with spherred housing washer from nominal value
\(\Delta_{s0s}\) height deviation of double direction axial bearings from nominal value
\(\Delta_{s0s}\) height deviation of double direction axial ball bearings with spherred housing washer from nominal value
\(\Delta_{s0s}\) height deviation of axial spherical-roller bearing from the rated value
\(C\) outer ring nominal width
\(V_{dp}\) inner ring single width variation
\(V_{dp}\) outer ring single width variation
\(K_{dp}\) radial runout of assembled bearing inner ring
\(S_{dp}\) radial runout of assembled bearing outer ring
\(S_{dp}\) shaft washer raceway axial runout
\(S_{dp}\) housing washer raceway axial runout
\(S_{dp}\) inner ring flat seat face axial runout of assembled bearing
\(S_{dp}\) outer ring flat seat face axial runout of assembled bearing
\(S_{dp}\) flat seat face axial runout
\(S_{dp}\) runout of outside cylindrical surface towards outer ring face
\(S_{dp}\) runout of supporting face towards seat face for single row tapered roller bearings