

**SL045009-PP-RR-C5-L091** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL04...-PP, full complement roller set, two-row, locating bearing, central rib on outer ring, 3 ribs on inner ring, type SL04

Technical information

**Your current product variant**

| | | |
|---------------------------|--------------|-----------------------------------|
| Type of seal | PP | Contact Seal on both sides |
| Radial internal clearance | C5 (Group 5) | Internal clearance larger than C4 |
| Tolerance class | PN | Normal (PN) |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|---------------------------------------|
| d | 45 mm | Bore diameter |
| D | 75 mm | Outside diameter |
| B | 40 mm | Width |
| C_r | 97.000 N | Basic dynamic load rating, radial |
| C_{0r} | 139.000 N | Basic static load rating, radial |
| C_{ur} | 20.200 N | Fatigue load limit, radial |
| n_G Grease | 2.800 1/min | Limiting speed for grease lubrication |
| $\approx m$ | 0,657 kg | Weight |



Mounting dimensions

| | | |
|--------------------|---------|--|
| C _{a1} | 30 mm | Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2 |
| C _{a2} | 29 mm | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d ₁ | 57,5 mm | Rib diameter inner ring |
| d ₂ | 61 mm | Sealing diameter (rib) |
| d ₃ | 82 mm | Outside diameter of snap ring WRE |
| d _{1 min} | 57,5 mm | Minimum diameter shaft shoulder |
| | 30 ° | Chamfer angle |
| | -0,2 mm | Lower distance snap ring tolerance |
| | -0,2 mm | Lower distance retaining ring tolerance |
| | 0 mm | Upper distance snap ring tolerance |
| | 0 mm | Upper distance retaining ring tolerance |
| | 0 mm | Lower distance ring groove tolerance |
| | 0,2 mm | Upper distance ring groove tolerance |

Dimensions

| | | |
|------------------|---------|-----------------------------------|
| C | 39 mm | Width, outer ring |
| C ₁ | 34,2 mm | Distance ring grooves |
| D ₁ | 72,8 mm | Diameter of groove |
| m | 2,7 mm | Width of groove |
| r _{min} | 0,6 mm | Minimum chamfer dimension |
| t | 0,8 mm | Chamfer width |
| X | 30,5 mm | Distance between rolling elements |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -20 °C | Operating temperature min. |
| T _{max} | 80 °C | Operating temperature max. |



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides