

**SL04170-D-PP-2NR** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL04...-D-PP-2NR, 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

| | | |
|---------------------------|--------------|------------------------------|
| Design | D | New outer Contour |
| Type of Seal | PP | Contact Seal on both sides |
| Holding Rings | 2NR | Two retaining rings included |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class | PN | Normal (PN) |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 170 mm | Bore diameter |
| D | 230 mm | Outside diameter |
| B | 80 mm | Width |
| C _r | 490.000 N | Basic dynamic load rating, radial |
| C _{0r} | 1.030.000 N | Basic static load rating, radial |
| C _{ur} | 129.000 N | Fatigue load limit, radial |
| n _G Grease | 790 1/min | Limiting speed for grease lubrication |
| ≈m | 8,793 kg | Weight |



Mounting dimensions

| | | |
|--------------------|---------|--|
| C _{a1} | 65 mm | Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2 |
| C _{a2} | 61 mm | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d ₁ | 194 mm | Rib diameter inner ring |
| d ₂ | 206 mm | Sealing diameter (rib) |
| d ₃ | 250 mm | Outside diameter of snap ring WRE |
| d _{1 min} | 194 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 | 79 mm | Width, outer ring |
| C ₁ | 71,2 mm | Distance ring grooves |
| D ₁ | 226 mm | Diameter of groove |
| m | 5,2 mm | Width of groove |
| r _{min} | 0,6 mm | Minimum chamfer dimension |
| t | 1,8 mm | Chamfer width |
| X | 64 mm | Distance between rolling elements |

Temperature range

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