

**SL045024-D** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL04.-D, 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 |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|---------------------------------------|
| d | 120 mm | Bore diameter |
| D | 180 mm | Outside diameter |
| B | 80 mm | Width |
| C_r | 410.000 N | Basic dynamic load rating, radial |
| C_{0r} | 740.000 N | Basic static load rating, radial |
| C_{ur} | 101.000 N | Fatigue load limit, radial |
| n_G Grease | 1.090 1/min | Limiting speed for grease lubrication |
| $\approx m$ | 6,578 kg | Weight |



Mounting dimensions

| | | |
|--------------------|----------|--|
| C _{a1} | 65 mm | Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2 |
| C _{a2} | 63 mm | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d ₁ | 141,5 mm | Rib diameter inner ring |
| d ₂ | 153 mm | Sealing diameter (rib) |
| d ₃ | 196 mm | Outside diameter of snap ring WRE |
| d _{1 min} | 141,5 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 | 79 mm | Width, outer ring |
| C ₁ | 71,2 mm | Distance ring grooves |
| D ₁ | 176 mm | Diameter of groove |
| m | 4,2 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} | -30 °C | Operating temperature min. |
| T _{max} | 120 °C | Operating temperature max. |