

**FAG****N312-E-XL-TVP2** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing N3..-E-TVP2, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N3

Technical information

**Your current product variant**

| | | |
|---------------------------|--------------|----------------------------------|
| Cage | TVP2 | Solid Window Cage made from PA66 |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Change mark | E | Increased Capacity Design |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 60 mm | Bore diameter |
| D | 130 mm | Outside diameter |
| B | 31 mm | Width |
| C _r | 177,000 N | Basic dynamic load rating, radial |
| C _{0r} | 157,000 N | Basic static load rating, radial |
| C _{ur} | 29,000 N | Fatigue load limit, radial |
| n _G Grease | 6,300 1/min | Limiting speed for grease lubrication |
| n _G Oil | 7,400 1/min | Limiting speed for oil lubrication |
| ≈m | 1.78 kg | Weight |

Mounting dimensions

| | | |
|---------------------|--------|------------------------------|
| d _a | 72 mm | Diameter shaft shoulder |
| D _a | 118 mm | Diameter of housing shoulder |
| r _{a1} max | 2.1 mm | Maximum recess radius |



Dimensions

| | | |
|---------------------|--------|-----------------------------|
| $r_{1 \text{ min}}$ | 2.1 mm | Minimum chamfer dimension |
| s_1 | 1.9 mm | Axial displacement |
| E | 115 mm | Raceway diameter outer ring |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed