

FAG

NN3012-D-K-TVP-SP-XL

Cylindrical roller bearing

Super precision cylindrical roller bearings
 NN30..-D-K-TVP-SP, Non-locating bearing,
 double row, with tapered bore, taper 1:12,
 separable, with cage

X-life

Technical information

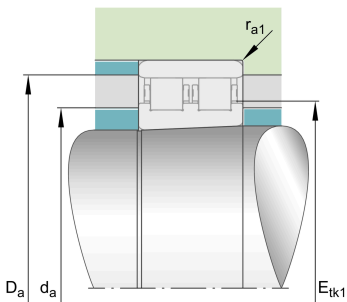


Your current product variant

| | | |
|---------------------------|--------------|------------------------------------|
| Cage | TVP | Plastic cage |
| Tolerance class | SP | Tolerance class SP |
| Bore type | K | Tapered, taper 1:12 |
| Change mark | D | Internal Variant D |
| Radial internal clearance | C1 (Group 1) | Internal clearance smaller than C2 |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|----------------|--------------|---------------------------------------|
| d | 60 mm | Bore diameter |
| D | 95 mm | Outside diameter |
| B | 26 mm | Width |
| C_r | 87.000 N | Basic dynamic load rating, radial |
| C_{0r} | 106.000 N | Basic static load rating, radial |
| C_{ur} | 17.400 N | Fatigue load limit, radial |
| $n_{G Grease}$ | 11.300 1/min | Limiting speed for grease lubrication |
| $n_{G Oil}$ | 13.300 1/min | Limiting speed for oil lubrication |
| m | 0,623 kg | Weight |





Mounting dimensions

| | | |
|----------------|---------|--|
| d_a | 70,1 mm | Diameter shaft shoulder |
| | h12 | Diameter shaft shoulder tolerance |
| D_a | 88 mm | Diameter of housing shoulder |
| | H12 | Shoulder diameter outer ring clearance |
| $E_{tk1\ nom}$ | 84,4 mm | Injection pitch diameter min |
| $r_{a1\ max}$ | 1 mm | Maximum recess radius |




Dimensions

| | | |
|--------------|---------|-----------------------------|
| $r_{1\ min}$ | 1,1 mm | Minimum chamfer dimension |
| E | 86,1 mm | Raceway diameter outer ring |
| s | 1,9 mm | Axial displacement |

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 |