



FAG

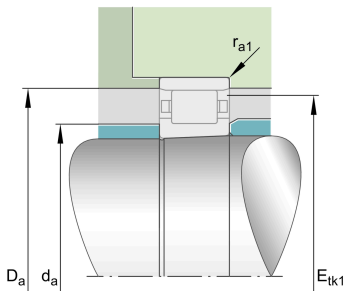
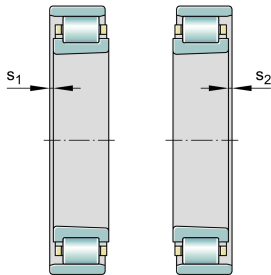
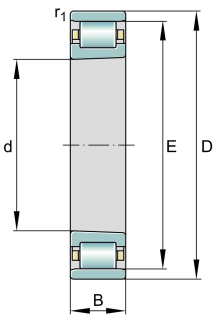
N1006-D-K-TVP-SP-XL

Cylindrical roller bearing

Super precision cylindrical roller bearings
N10..-D-K-TVP-SP, non-locating bearing,
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 | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|----------------|--------------|---------------------------------------|
| d | 30 mm | Bore diameter |
| D | 55 mm | Outside diameter |
| B | 13 mm | Width |
| C_r | 17.500 N | Basic dynamic load rating, radial |
| C_{0r} | 15.600 N | Basic static load rating, radial |
| C_{ur} | 2.270 N | Fatigue load limit, radial |
| $n_{G Grease}$ | 21.700 1/min | Limiting speed for grease lubrication |
| $n_{G Oil}$ | 25.500 1/min | Limiting speed for oil lubrication |
| m | 119,87 g | Weight |



Mounting dimensions

| | | |
|----------------|---------|--|
| d_a | 38,5 mm | Diameter shaft shoulder |
| | h12 | Diameter shaft shoulder tolerance |
| D_a | 49,5 mm | Diameter of housing shoulder |
| | H12 | Diameter of housing shoulder tolerance |
| $E_{tk 1 nom}$ | 47,5 mm | Injection pitch diameter min |
| $r_{a1 max}$ | 0,6 mm | Maximum recess radius |





Dimensions

| | | |
|-----------|---------|-----------------------------|
| $r_1 min$ | 0,6 mm | Minimum chamfer dimension |
| s_1 | 2,8 mm | Axial displacement |
| s_2 | 2,8 mm | Axial displacement |
| E | 48,5 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 |