



FAG

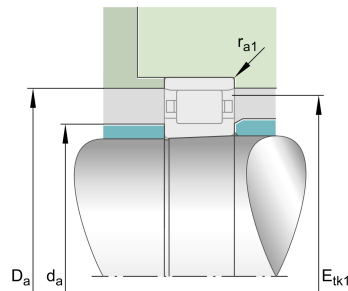
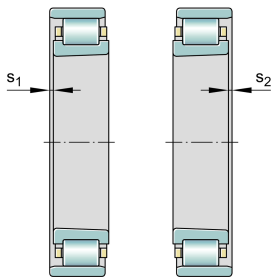
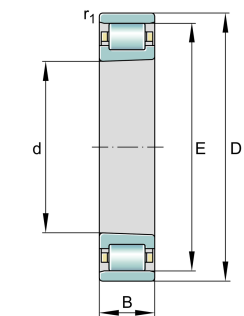
N1019-D-K-TVP-SP-XL

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

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                    |
|---------------------------|--------------|------------------------------------|
| 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                     | 95 mm       | Bore diameter                         |
| D                     | 145 mm      | Outside diameter                      |
| B                     | 24 mm       | Width                                 |
| C <sub>r</sub>        | 99.000 N    | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 117.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>       | 18.000 N    | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 7.700 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 9.100 1/min | Limiting speed for oil lubrication    |
| m                     | 1,255 kg    | Masa                                  |



### Mounting dimensions

|                      |          |                                        |
|----------------------|----------|----------------------------------------|
| $d_a$                | 110 mm   | Diameter shaft shoulder                |
| $h_{12}$             |          | Diameter shaft shoulder tolerance      |
| $D_a$                | 133,5 mm | Diameter of housing shoulder           |
| $H_{12}$             |          | Diameter of housing shoulder tolerance |
| $E_{tk1\text{ nom}}$ | 129,8 mm | Injection pitch diameter min           |
| $r_{a1\text{ max}}$  | 1 mm     | Maximum recess radius                  |

### Dimensions

|                    |        |                             |
|--------------------|--------|-----------------------------|
| $r_{1\text{ min}}$ | 1,1 mm | Minimum chamfer dimension   |
| $s_1$              | 4,4 mm | Axial displacement          |
| $s_2$              | 4,4 mm | Axial displacement          |
| $E$                | 132 mm | Raceway diameter outer ring |

### Temperature range

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

### Właściwości

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | Obciążenie promieniowe |
|  | Smarowanie smarem      |
|  | Smarowanie olejem      |
|  | Bez uszczelnienia      |