



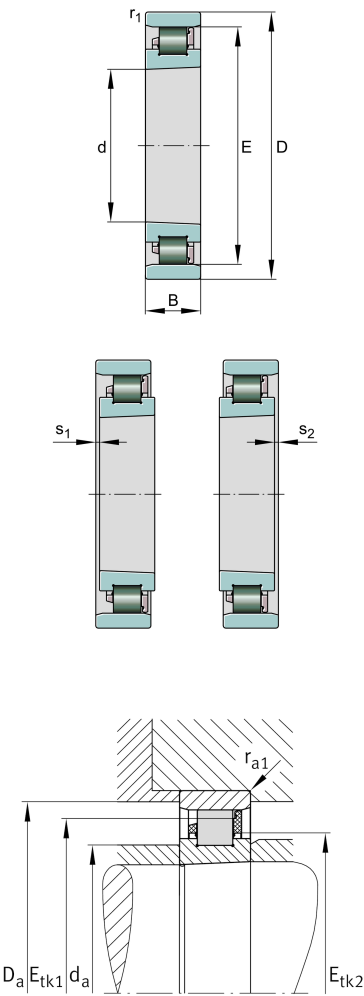
FAG

HCN1011-D-K-PVPA1-SP-XL [🔗](#)

Cylindrical roller bearing

Super precision cylindrical roller bearings  
HCN10..-D-K-PVPA1-SP-XL, Non-locating  
bearing, with tapered bore, taper 1:12,  
separable, with cage, with ceramic rollers

Informacje techniczne



Twoja aktualna wersja produktu

|                 |       |                     |
|-----------------|-------|---------------------|
| Cage            | PVPA1 | PEEK-cage           |
| Tolerance class | SP    | Tolerance class SP  |
| Bore type       | K     | Tapered, taper 1:12 |
| Change mark     | D     | Internal Variant D  |
| Number of rows  | 1     | Single-row design   |

Main Dimensions & Performance Data

|                       |              |                                       |
|-----------------------|--------------|---------------------------------------|
| d                     | 55 mm        | Bore diameter                         |
| D                     | 90 mm        | Outside diameter                      |
| B                     | 18 mm        | Width                                 |
| C <sub>r</sub>        | 44.500 N     | Basic dynamic load rating, radial     |
| C <sub>0r</sub>       | 41.500 N     | Basic static load rating, radial      |
| C <sub>ur</sub>       | 5.900 N      | Fatigue load limit, radial            |
| n <sub>G Grease</sub> | 22.000 1/min | Limiting speed for grease lubrication |
| n <sub>G Oil</sub>    | 26.000 1/min | Limiting speed for oil lubrication    |
| ≈m                    | 346 g        | Masa                                  |



### Mounting dimensions

|                      |         |                                        |
|----------------------|---------|----------------------------------------|
| $d_a$                | 65 mm   | Diameter shaft shoulder                |
| $h_{12}$             |         | Diameter shaft shoulder tolerance      |
| $D_a$                | 82,2 mm | Diameter of housing shoulder           |
| $H_{12}$             |         | Diameter of housing shoulder tolerance |
| $E_{tk1\text{ nom}}$ | 78,5 mm | Injection pitch diameter min           |
| $E_{tk2\text{ nom}}$ | 69,4 mm | Injection pitch diameter nom           |
| $r_{a1\text{ max}}$  | 1 mm    | Maximum recess radius                  |

### Dimensions

|                    |        |                             |
|--------------------|--------|-----------------------------|
| $r_{1\text{ min}}$ | 1 mm   | Minimum chamfer dimension   |
| $s_1$              | 1,6 mm | Axial displacement          |
| $s_2$              | 3,4 mm | Axial displacement          |
| $E$                | 81 mm  | Raceway diameter outer ring |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| $T_{\text{min}}$ | -30 °C | Operating temperature min. |
| $T_{\text{max}}$ | 150 °C | Operating temperature max. |

### Właściwości

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