



FAG

HCN1010-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

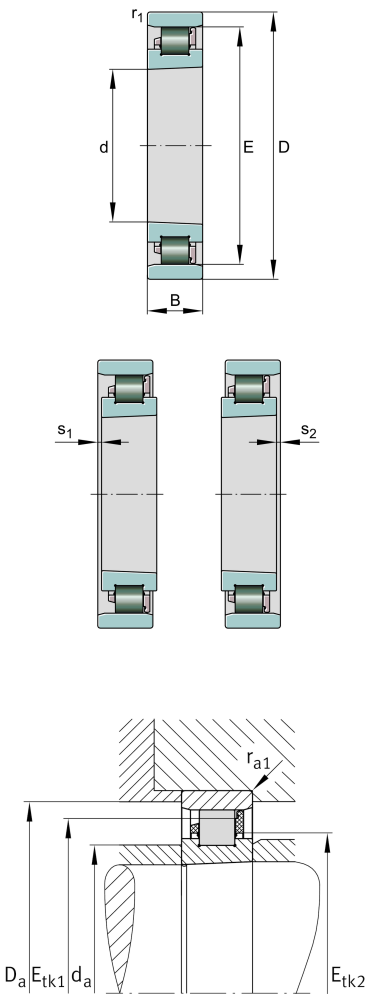
Informacje techniczne

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	50 mm	Bore diameter
D	80 mm	Outside diameter
B	16 mm	Width
C _r	36.500 N	Basic dynamic load rating, radial
C _{0r}	34.500 N	Basic static load rating, radial
C _{ur}	4.650 N	Fatigue load limit, radial
n _{G Grease}	24.900 1/min	Limiting speed for grease lubrication
n _{G Oil}	29.500 1/min	Limiting speed for oil lubrication
≈m	237 g	Masa





Mounting dimensions

d_a	58,5 mm	Diameter shaft shoulder
h_{12}		Diameter shaft shoulder tolerance
D_a	73,6 mm	Diameter of housing shoulder
H_{12}		Diameter of housing shoulder tolerance
$E_{tk1\text{ nom}}$	70,6 mm	Injection pitch diameter min
$E_{tk2\text{ nom}}$	62,4 mm	Injection pitch diameter nom
$r_{a1\text{ max}}$	0,6 mm	Maximum recess radius

Dimensions

$r_{1\text{ min}}$	0,6 mm	Minimum chamfer dimension
s_1	1,2 mm	Axial displacement
s_2	3,1 mm	Axial displacement
E	72,5 mm	Raceway diameter outer ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia