



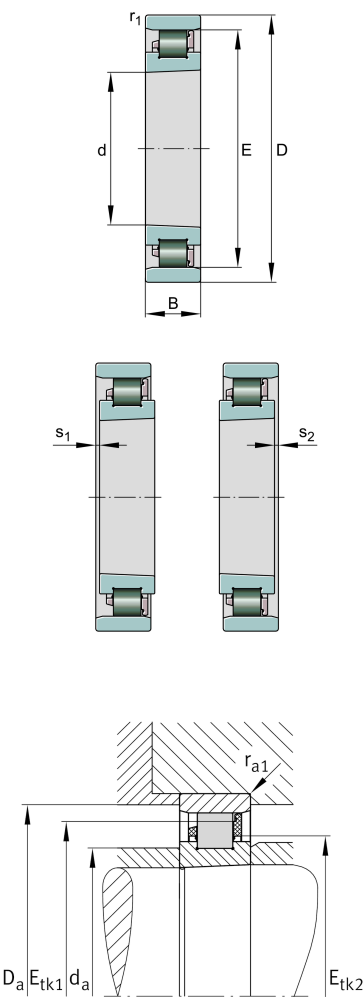
FAG

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 _r	44.500 N	Basic dynamic load rating, radial
C _{0r}	41.500 N	Basic static load rating, radial
C _{ur}	5.900 N	Fatigue load limit, radial
n _{G Grease}	22.000 1/min	Limiting speed for grease lubrication
n _{G Oil}	26.000 1/min	Limiting speed for oil lubrication
≈m	346 g	Masa



Mounting dimensions

d _a	65 mm	Diameter shaft shoulder
h12		Diameter shaft shoulder tolerance
D _a	82,2 mm	Diameter of housing shoulder
H12		Diameter of housing shoulder tolerance
E _{tk 1 nom}	78,5 mm	Injection pitch diameter min
E _{tk 2 nom}	69,4 mm	Injection pitch diameter nom
r _{a1 max}	1 mm	Maximum recess radius

Dimensions

r _{1 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 _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia