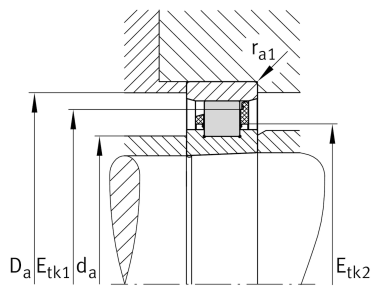
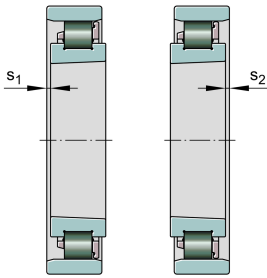


**FAG****N1010-D-K-PVPA1-SP-XL**

Cylindrical roller bearing

Super precision cylindrical roller bearings
N10..-D-K-PVPA1-SP-XL, Non-locating
bearing, with tapered bore, taper 1:12,
separable, with cage

Technical information

**Your current product variant**

Cage	PVPA1	PEEK-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	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}	36.500 N	Basic static load rating, radial
C_{ur}	5.700 N	Fatigue load limit, radial
n_G Grease	22.800 1/min	Limiting speed for grease lubrication
n_G Oil	27.000 1/min	Limiting speed for oil lubrication
m	264 g	Weight



Mounting dimensions

d_a	58,5 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
D_a	73,6 mm	Diameter of housing shoulder
	H12	Diameter of housing shoulder tolerance
$E_{tk 1 nom}$	70,6 mm	Injection pitch diameter min
$E_{tk 2 nom}$	62,4 mm	Injection pitch diameter nom
$r_{a1 max}$	0,6 mm	Maximum recess radius





Dimensions

$r_{1 min}$	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.

Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed