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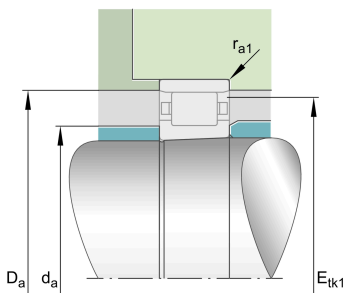
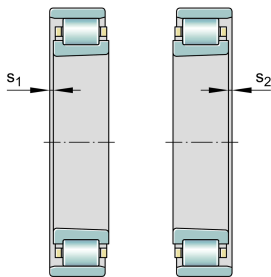
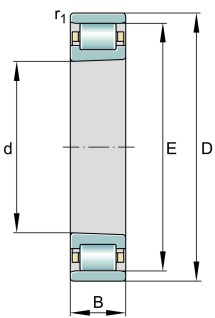
N1016-D-K-TVP-SP-XL

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

Technical information



Your current product variant

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	80 mm	Bore diameter
D	125 mm	Outside diameter
B	22 mm	Width
C_r	81.000 N	Basic dynamic load rating, radial
C_{0r}	91.000 N	Basic static load rating, radial
C_{ur}	13.900 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	9.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	10.600 1/min	Limiting speed for oil lubrication
m	0,879 kg	Weight



Mounting dimensions

d_a	93 mm	Diameter shaft shoulder
	h_{12}	Diameter shaft shoulder tolerance
D_a	114,4 mm	Diameter of housing shoulder
	H_{12}	Diameter of housing shoulder tolerance
$E_{tk1\ nom}$	111,4 mm	Injection pitch diameter min
$r_{a1\ max}$	1 mm	Maximum recess radius



Dimensions

$r_{1\ min}$	1 mm	Minimum chamfer dimension
s_1	4,1 mm	Axial displacement
s_2	4,1 mm	Axial displacement
E	113 mm	Raceway diameter outer ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed