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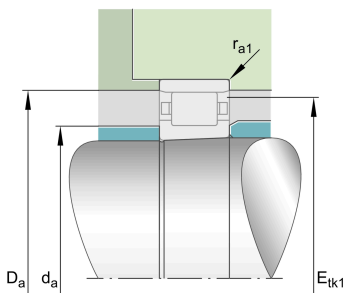
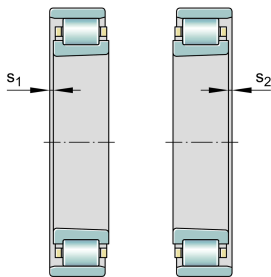
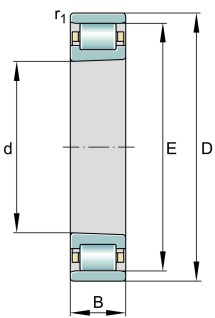
N1020-D-K-TVP-SP-XL

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	100 mm	Bore diameter
D	150 mm	Outside diameter
B	24 mm	Width
C_r	99.000 N	Basic dynamic load rating, radial
C_{0r}	118.000 N	Basic static load rating, radial
C_{ur}	17.800 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	7.500 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	8.800 1/min	Limiting speed for oil lubrication
m	1,3 kg	Weight



Mounting dimensions

d_a	115 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
D_a	138,5 mm	Diameter of housing shoulder
	H12	Diameter of housing shoulder tolerance
$E_{tk 1 nom}$	134,8 mm	Injection pitch diameter min
$r_{a1 max}$	1 mm	Maximum recess radius





Dimensions

$r_1 min$	1,1 mm	Minimum chamfer dimension
s_1	4,4 mm	Axial displacement
s_2	4,4 mm	Axial displacement
E	137 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