



FAG

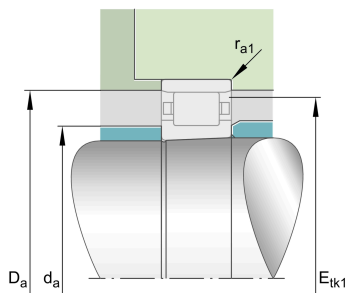
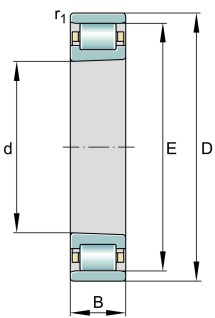
N1009-D-K-TVP-SP-XL

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	45 mm	Bore diameter
D	75 mm	Outside diameter
B	16 mm	Width
C_r	34.500 N	Basic dynamic load rating, radial
C_{0r}	32.500 N	Basic static load rating, radial
C_{ur}	5.100 N	Fatigue load limit, radial
$n_{G Grease}$	15.200 1/min	Limiting speed for grease lubrication
$n_{G Oil}$	17.800 1/min	Limiting speed for oil lubrication
m	238 g	Weight



Mounting dimensions

d_a	53,5 mm	Diameter shaft shoulder
	$h12$	Diameter shaft shoulder tolerance
D_a	68,6 mm	Diameter of housing shoulder
	$H12$	Diameter of housing shoulder tolerance
$E_{tk 1 nom}$	66,2 mm	Injection pitch diameter min
$r_{a1 max}$	0,6 mm	Maximum recess radius





Dimensions

$r_1 min$	0,6 mm	Minimum chamfer dimension
s_1	3,1 mm	Axial displacement
s_2	3,1 mm	Axial displacement
E	67,5 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