

FAG

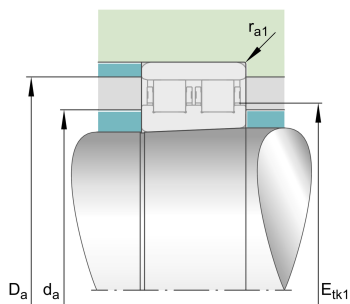
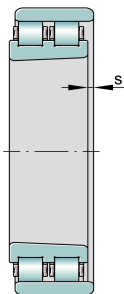
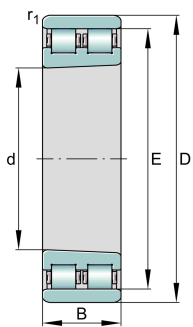
X-life

NN3007-D-K-TVP-SP-XL [🔗](#)

Cylindrical roller bearing

Super precision cylindrical roller bearings
NN30...-D-K-TVP-SP, Non-locating bearing,
double row, with tapered bore, taper 1:12,
separable, with cage

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	2	Double-row design

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	62 mm	Outside diameter
B	20 mm	Width
C _r	40.500 N	Basic dynamic load rating, radial
C _{0r}	41.500 N	Basic static load rating, radial
C _{ur}	6.700 N	Fatigue load limit, radial
n _{G Grease}	17.800 1/min	Limiting speed for grease lubrication
n _{G Oil}	20.900 1/min	Limiting speed for oil lubrication
≈m	228 g	Weight



Mounting dimensions

d _a	43 mm	Diameter shaft shoulder
h12		Diameter shaft shoulder tolerance
D _a	56,5 mm	Diameter of housing shoulder
H12		Shoulder diameter outer ring clearance
E _{tk 1 nom}	53,9 mm	Injection pitch diameter min
r _{a1 max}	1 mm	Maximum recess radius

Dimensions

r _{1 min}	1 mm	Minimum chamfer dimension
E	55 mm	Raceway diameter outer ring
s	1,4 mm	Axial displacement

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