

FAG

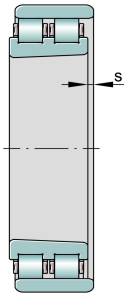
NN3014-D-K-TVP-SP-XL

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

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	2	Double-row design

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	30 mm	Width
C_r	113.000 N	Basic dynamic load rating, radial
C_{0r}	145.000 N	Basic static load rating, radial
C_{ur}	21.200 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	9.700 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	11.400 1/min	Limiting speed for oil lubrication
m	1,403 kg	Weight





Mounting dimensions

d_a	82 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
D_a	102,3 mm	Diameter of housing shoulder
	H12	Shoulder diameter outer ring clearance
$E_{tk1\ nom}$	98,2 mm	Injection pitch diameter min
$r_{a1\ max}$	1 mm	Maximum recess radius





Dimensions

$r_{1\ min}$	1,1 mm	Minimum chamfer dimension
E	100 mm	Raceway diameter outer ring
s	2,3 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