



FAG

**NN3020-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 &amp; Performance Data

d	100 mm	Bore diameter
D	150 mm	Outside diameter
B	37 mm	Width
$C_r$	169.000 N	Basic dynamic load rating, radial
$C_{0r}$	235.000 N	Basic static load rating, radial
$C_{ur}$	35.500 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	7.100 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	8.300 1/min	Limiting speed for oil lubrication
$\approx m$	2,064 kg	Weight





### Mounting dimensions

$d_a$	115 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
$D_a$	139,8 mm	Diameter of housing shoulder
	H12	Shoulder diameter outer ring clearance
$E_{tk1\ nom}$	134,8 mm	Injection pitch diameter min
$r_{a1\ max}$	1,5 mm	Maximum recess radius




### Dimensions

$r_{1\ min}$	1,5 mm	Minimum chamfer dimension
E	137 mm	Raceway diameter outer ring
s	2,5 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