

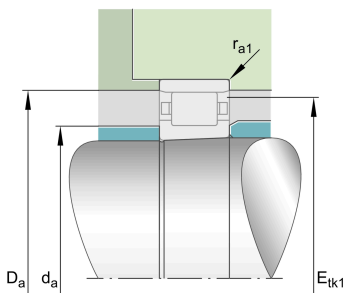
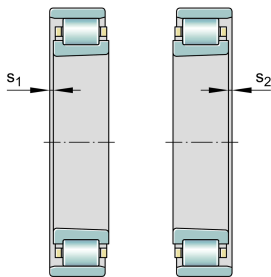
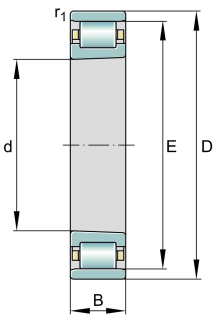
**FAG****N1019-D-K-TVP-SP-XL**

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 &amp; Performance Data

d	95 mm	Bore diameter
D	145 mm	Outside diameter
B	24 mm	Width
$C_r$	99.000 N	Basic dynamic load rating, radial
$C_{0r}$	117.000 N	Basic static load rating, radial
$C_{ur}$	18.000 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	7.700 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	9.100 1/min	Limiting speed for oil lubrication
$m$	1,255 kg	Weight



### Mounting dimensions

$d_a$	110 mm	Diameter shaft shoulder
	$h12$	Diameter shaft shoulder tolerance
$D_a$	133,5 mm	Diameter of housing shoulder
	$H12$	Diameter of housing shoulder tolerance
$E_{tk 1 nom}$	129,8 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
$E$	132 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