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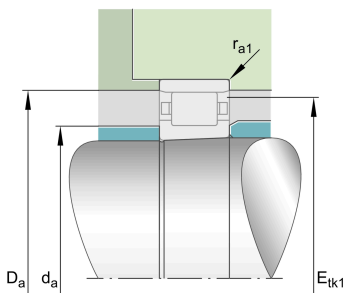
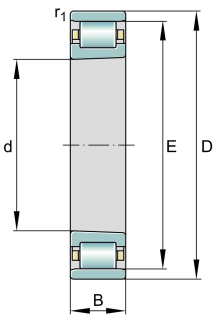
**N1018-D-K-TVP-SP-XL**

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	90 mm	Bore diameter
D	140 mm	Outside diameter
B	24 mm	Width
$C_r$	95.000 N	Basic dynamic load rating, radial
$C_{0r}$	108.000 N	Basic static load rating, radial
$C_{ur}$	16.800 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	8.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	9.400 1/min	Limiting speed for oil lubrication
$m$	1,196 kg	Weight



### Mounting dimensions

$d_a$	105 mm	Diameter shaft shoulder
	h12	Diameter shaft shoulder tolerance
$D_a$	128,5 mm	Diameter of housing shoulder
	H12	Diameter of housing shoulder tolerance
$E_{tk1\text{ nom}}$	124,9 mm	Injection pitch diameter min
$r_{a1\text{ max}}$	1 mm	Maximum recess radius



### Dimensions

$r_1\text{ min}$	1,1 mm	Minimum chamfer dimension
$s_1$	4,4 mm	Axial displacement
$s_2$	4,4 mm	Axial displacement
$E$	127 mm	Raceway diameter outer ring

### Temperature range

$T_{\text{min}}$	-30 °C	Operating temperature min.
$T_{\text{max}}$	120 °C	Operating temperature max.

### Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed