

FAG

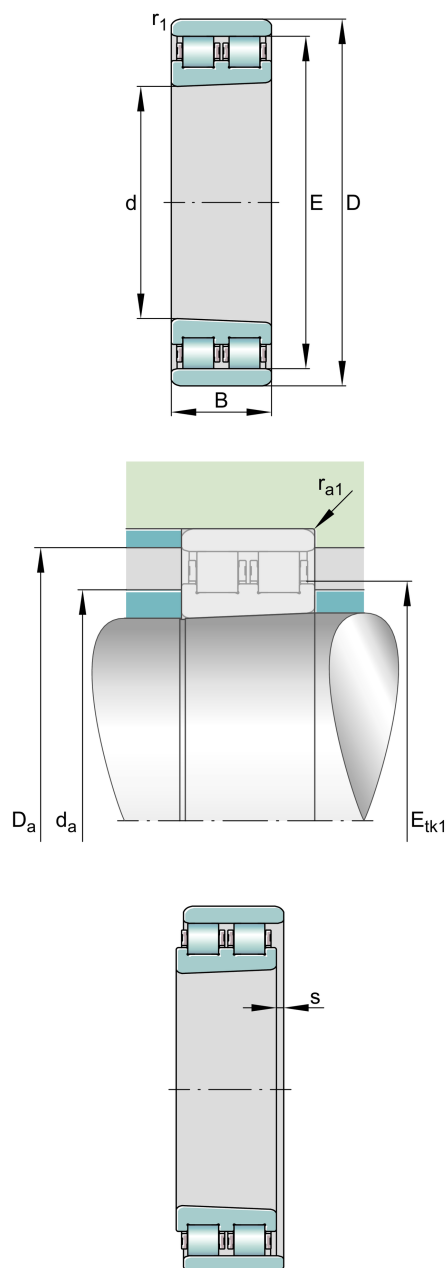
NN3010-D-K-TVP-SP-XL

Cylindrical roller bearing

Schaeffler ID:
0867003400000Super precision cylindrical roller bearings
NN30...-K-TVP-SP, Non-locating bearing,
double row, with tapered bore, taper 1:12,
separable, with cage

X-life

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	80 mm	Outside diameter
B	23 mm	Width
C_r	63.000 N	Basic dynamic load rating, radial
C_{0r}	73.000 N	Basic static load rating, radial
C_{ur}	11.300 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	13.500 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	15.900 1/min	Limiting speed for oil lubrication
	0,389 kg	Weight

Dimensions

$r_{1 \text{ min}}$	1 mm	Minimum chamfer dimension
s	1,7 mm	Axial displacement
E	72,5 mm	Raceway diameter outer ring

Mounting dimensions

$d_{a \text{ min}}$	58,5 mm	Minimum diameter shaft shoulder
d_a	h12	Diameter shaft shoulder clearance
$D_{a \text{ max}}$	74,2 mm	Maximum diameter of housing shoulder
D_a	H12	Shoulder diameter outer ring clearance
$r_{a1 \text{ max}}$	1 mm	Maximum recess radius

Temperature range

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