



FAG

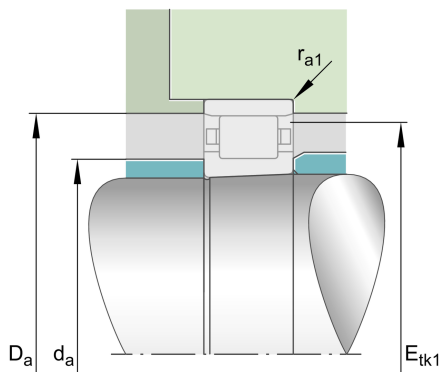
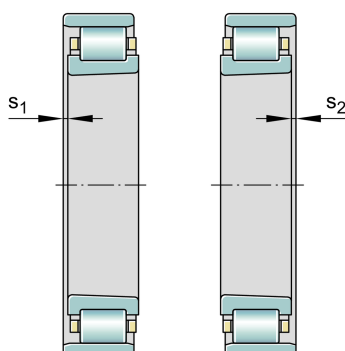
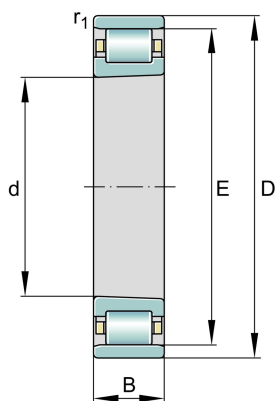
N1020-D-K-TVP-SP-XL

Cylindrical roller bearing

Schaeffler ID:
0875448650000Super 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

**Main Dimensions & Performance Data**

d	100 mm	Bore diameter
D	150 mm	Outside diameter
B	24 mm	Width
C_r	99.000 N	Basic dynamic load rating, radial
C_{0r}	118.000 N	Basic static load rating, radial
C_{ur}	17.800 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	7.500 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	8.800 1/min	Limiting speed for oil lubrication
	1,3 kg	Weight

Additional information

$r_{1 \text{ min}}$	1,1 mm	Minimum chamfer dimension
s_1	4,4 mm	Axial displacement
s_2	4,4 mm	Axial displacement
E	137 mm	Raceway diameter outer ring

Mounting dimensions

$d_{a \text{ min}}$	115 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	138,5 mm	Maximum diameter of housing shoulder
$E_{tk1 \text{ nom}}$	134,8 mm	Injection pitch diameter min
$r_{a1 \text{ max}}$	1 mm	Maximum recess radius

Temperature range

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