

FAG

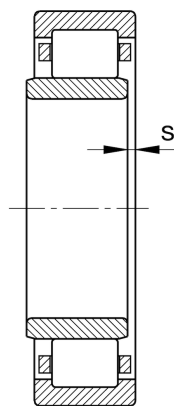
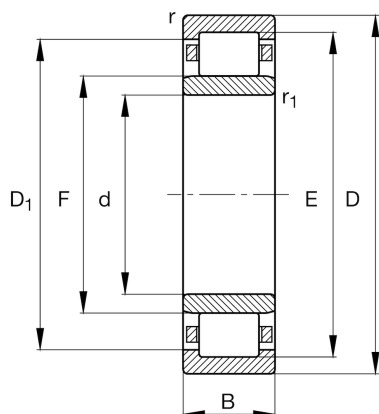
## NU310-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:  
0167398840000Cylindrical roller bearing NU..-E-XL-TVP2,  
with cage, single row, non-locating bearing,  
2 ribs on outer ring, 0 ribs on inner ring  
(smooth), type NU

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
$C_r$	131,000 N	Basic dynamic load rating, radial
$C_{0r}$	114,000 N	Basic static load rating, radial
$C_{ur}$	15,700 N	Fatigue load limit, radial
$n_G$	8,900 1/min	Limiting speed
$n_{gr}$	6,000 1/min	Reference speed
	1.12 kg	Weight

## Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\min}$	2 mm	Minimum chamfer dimension
s	1.7 mm	Axial displacement
E	97 mm	Raceway diameter outer ring
F	65 mm	Raceway diameter inner ring
$D_{1\min}$	92.5 mm	Minimum rib diameter outer ring

## Mounting dimensions

$d_{a\min}$	61 mm	Minimum diameter shaft shoulder
$d_{a\max}$	63 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	67 mm	Minimum shaft shoulder
$D_{a\max}$	99 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum recess radius
$r_{a1\max}$	2 mm	Maximum recess radius

## Temperature range

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

