

FAG

NU305-E-XL-M1

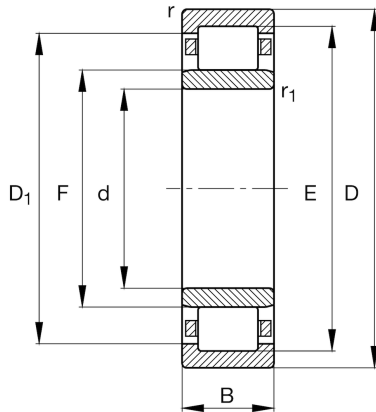
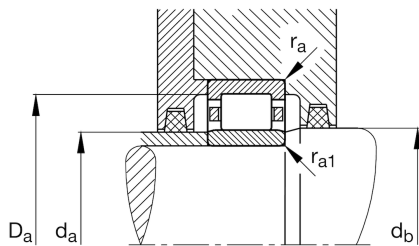
Cylindrical roller bearing

Schaeffler ID:
0190049310000

Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Technical information



Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C_r	49,000 N	Basic dynamic load rating, radial
C_{0r}	37,500 N	Basic static load rating, radial
C_{ur}	4,550 N	Fatigue load limit, radial
n_G	21,500 1/min	Limiting speed
n_{gr}	10,100 1/min	Reference speed
	0.27 kg	Weight

Mounting dimensions

$d_{a \min}$	32 mm	Minimum diameter shaft shoulder
$d_{a \max}$	33 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	37 mm	Minimum shaft shoulder
$D_{a \max}$	55 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	1 mm	Maximum recess radius

Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
$r_{1 \min}$	1.1 mm	Minimum chamfer dimension
s	1.5 mm	Axial displacement
E	54 mm	Raceway diameter outer ring
F	34 mm	Raceway diameter inner ring
$D_{1 \min}$	50.65 mm	Minimum rib diameter outer ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

