

FAG

NU205-E-XL-M1

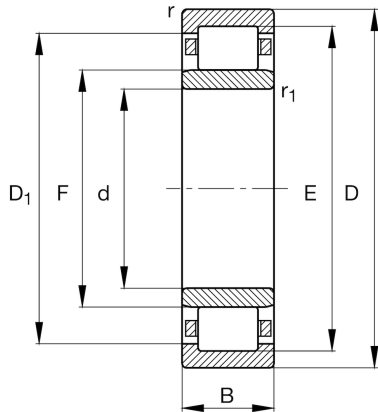
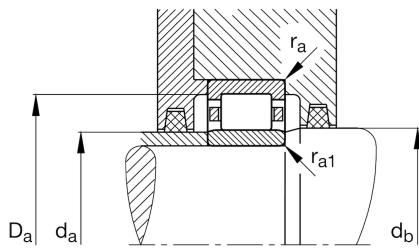
Cylindrical roller bearing

Schaeffler ID:
0192381500000Cylindrical 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	52 mm	Outside diameter
B	15 mm	Width
C_r	34,500 N	Basic dynamic load rating, radial
C_{0r}	27,500 N	Basic static load rating, radial
C_{ur}	3,400 N	Fatigue load limit, radial
n_G	25,500 1/min	Limiting speed
n_{gr}	11,600 1/min	Reference speed
	0.15 kg	Weight

Mounting dimensions

$d_{a \min}$	29 mm	Minimum diameter shaft shoulder
$d_{a \max}$	31 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	34 mm	Minimum shaft shoulder
$D_{a \max}$	46 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	0.6 mm	Maximum recess radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
$r_{1 \min}$	0.6 mm	Minimum chamfer dimension
s	1.2 mm	Axial displacement
E	46.5 mm	Raceway diameter outer ring
F	31.5 mm	Raceway diameter inner ring
$D_{1 \min}$	43.8 mm	Minimum rib diameter outer ring

Temperature range

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

