



FAG

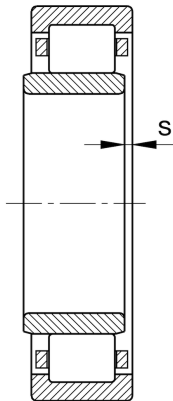
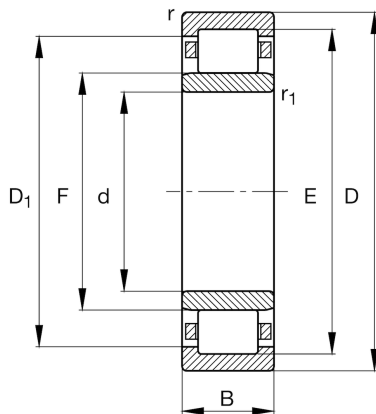
NU209-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167377250000Cylindrical 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 & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C_r	72,000 N	Basic dynamic load rating, radial
C_{0r}	63,000 N	Basic static load rating, radial
C_{ur}	8,300 N	Fatigue load limit, radial
n_G	10,200 1/min	Limiting speed
n_{gr}	7,000 1/min	Reference speed
	0.429 kg	Weight

Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
$r_{1\min}$	1.1 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	76.5 mm	Raceway diameter outer ring
F	54.5 mm	Raceway diameter inner ring
$D_{1\min}$	73.3 mm	Minimum rib diameter outer ring

Mounting dimensions

$d_{a\min}$	52 mm	Minimum diameter shaft shoulder
$d_{a\max}$	54 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	57 mm	Minimum shaft shoulder
$D_{a\max}$	78 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum recess radius
$r_{a1\max}$	1 mm	Maximum recess radius

Temperature range

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

