

FAG

NU1011-XL-M1

Cylindrical roller bearing

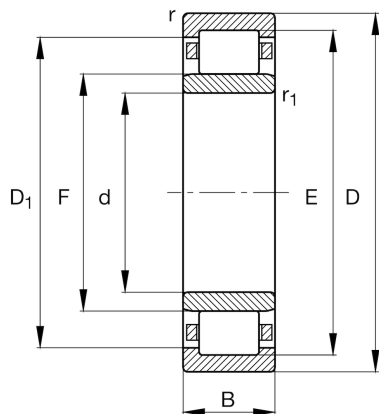
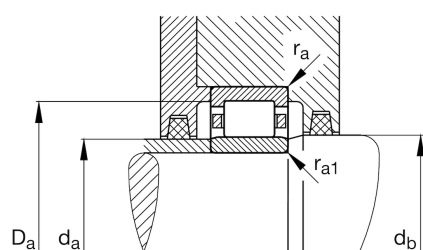
Schaeffler ID:
0167371130000

Cylindrical roller bearing NU..-XL-M1, 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	55 mm	Bore diameter
D	90 mm	Outside diameter
B	18 mm	Width
C_r	49,500 N	Basic dynamic load rating, radial
C_{0r}	50,000 N	Basic static load rating, radial
C_{ur}	6,800 N	Fatigue load limit, radial
n_G	15,600 1/min	Limiting speed
n_{gr}	6,900 1/min	Reference speed
	0.004 kg	Weight

Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
$r_{1\min}$	1 mm	Minimum chamfer dimension
s	2.4 mm	Axial displacement
E	80.5 mm	Raceway diameter outer ring
F	64.5 mm	Raceway diameter inner ring
$D_{1\min}$	77.3 mm	Minimum rib diameter outer ring

Mounting dimensions

$d_{a\min}$	60 mm	Minimum diameter shaft shoulder
$d_{a\max}$	63 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	66 mm	Minimum shaft shoulder
$D_{a\max}$	84 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1.1 mm	Maximum recess radius
$r_{a1\max}$	1 mm	Maximum recess radius

Temperature range

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

