



FAG

NU1010-XL-M1

Cylindrical roller bearing

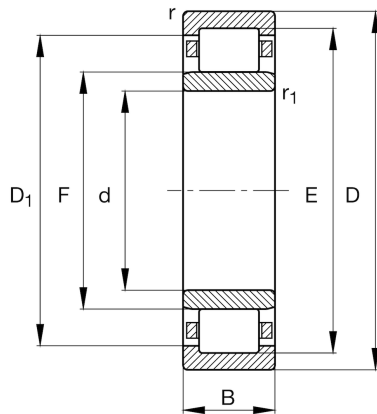
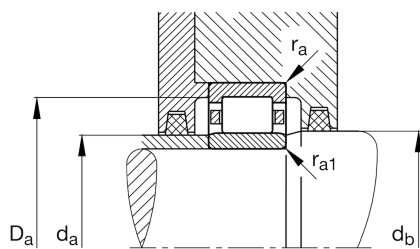
Schaeffler ID:
0167370670000

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	50 mm	Bore diameter
D	80 mm	Outside diameter
B	16 mm	Width
C_r	42,500 N	Basic dynamic load rating, radial
C_{0r}	41,500 N	Basic static load rating, radial
C_{ur}	5,400 N	Fatigue load limit, radial
n_G	17,300 1/min	Limiting speed
n_{gr}	7,400 1/min	Reference speed
	0.003 kg	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
s	2.1 mm	Axial displacement
E	72.5 mm	Raceway diameter outer ring
F	57.5 mm	Raceway diameter inner ring
$D_{1 min}$	69.5 mm	Minimum rib diameter outer ring

Mounting dimensions

$d_{a min}$	53 mm	Minimum diameter shaft shoulder
$d_{a max}$	57 mm	Maximum diameter of shaft shoulder
$d_{b min}$	59 mm	Minimum shaft shoulder
$D_{a max}$	75 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius
$r_{a1 max}$	0.6 mm	Maximum recess radius

Temperature range

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

