



FAG

## ★ NU416-XL-M1

Cylindrical roller bearing

Schaeffler ID:  
0192507460000

★ Preferred product

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

## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.
	8,2 kg	Weight

## Main Dimensions &amp; Performance Data

d	80 mm	Bore diameter
D	200 mm	Outside diameter
B	48 mm	Width
$C_r$	395.000 N	Basic dynamic load rating, radial
$C_{0r}$	365.000 N	Basic static load rating, radial
$C_{ur}$	47.000 N	Fatigue load limit, radial
$n_G$	5.400 1/min	Limiting speed
$n_{gr}$	3.750 1/min	Reference speed

## Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1\min}$	3 mm	Minimum chamfer dimension
s	4,6 mm	Axial displacement
E	170 mm	Raceway diameter outer ring
F	110 mm	Raceway diameter inner ring
$D_{1\min}$	159,7 mm	Minimum rib diameter outer ring

## Mounting dimensions

$d_{a\min}$	96 mm	Minimum diameter shaft shoulder
$d_{a\max}$	109 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	112 mm	Minimum shaft shoulder
$D_{a\max}$	184 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,5 mm	Maximum recess radius
$r_{a1\max}$	2,5 mm	Maximum recess radius



