



FAG

NU1005-XL-M1

Cylindrical roller bearing

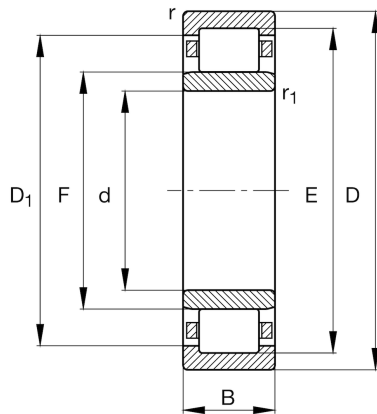
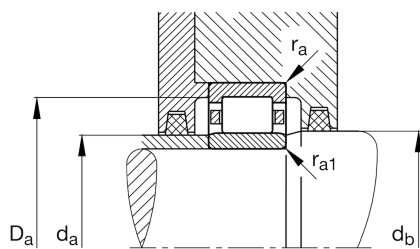
Schaeffler ID:
0730777550000

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	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C_r	18,500 N	Basic dynamic load rating, radial
C_{0r}	14,800 N	Basic static load rating, radial
C_{ur}	1,820 N	Fatigue load limit, radial
n_G	30,000 1/min	Limiting speed
n_{gr}	12,900 1/min	Reference speed
	0.088 kg	Weight

Dimensions

r_{\min}	0.6 mm	Minimum chamfer dimension
$r_{1\min}$	0.3 mm	Minimum chamfer dimension
s	2.4 mm	Axial displacement
E	41.5 mm	Raceway diameter outer ring
F	30.5 mm	Raceway diameter inner ring
$D_{1\min}$	39.3 mm	Minimum rib diameter outer ring

Mounting dimensions

$d_{a\min}$	27 mm	Minimum diameter shaft shoulder
$d_{a\max}$	30 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	32 mm	Minimum shaft shoulder
$D_{a\max}$	44 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum recess radius
$r_{a1\max}$	0.3 mm	Maximum recess radius

Temperature range

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

