FAG

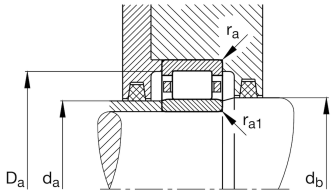
X-life

NU1012-XL-M1-F1-J20AA-C3

Cylindrical roller bearing

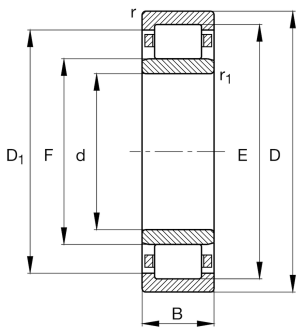
Cylindrical roller bearing NU..-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

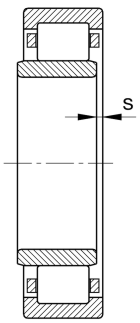
Technical information



Your current product variant

Design	Standard	
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rows	1	Single-row design





Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	18 mm	Width
C_r	52.000 N	Basic dynamic load rating, radial
C_{0r}	55.000 N	Basic static load rating, radial
C_{ur}	7.400 N	Fatigue load limit, radial
n_G	14.800 1/min	Limiting speed
$n_{\vartheta r}$	6.400 1/min	Reference speed
≈m	444 g	Weight

Mounting dimensions

$d_{a\ min}$	65 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	68 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	71 mm	Minimum shaft shoulder
$D_{a\ max}$	89 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,1 mm	Maximum recess radius
$r_{a1\ max}$	1 mm	Maximum recess radius

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
$r_{1\ min}$	1 mm	Minimum chamfer dimension
s	2,4 mm	Axial displacement
E	85,5 mm	Raceway diameter outer ring
F	69,5 mm	Raceway diameter inner ring
$D_{1\ min}$	82,3 mm	Minimum rib diameter outer ring

Temperature range

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

Characteristics

Radial load


Grease Lubrication


Oil Lubrication


Not sealed


Current insulated