FAG

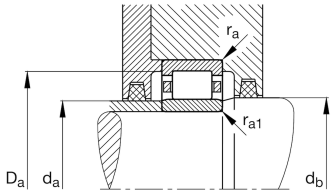
X-life

NU321-E-XL-M1

Cylindrical roller bearing

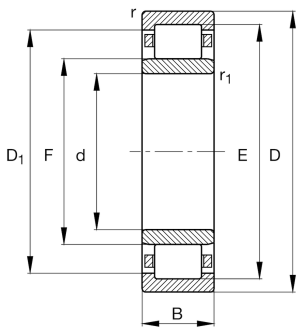
Cylindrical roller bearing NU..-E-XL-M1, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

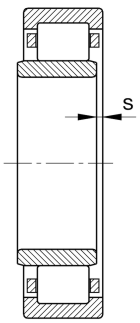
Technical information



Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design





Main Dimensions & Performance Data

d	105 mm	Bore diameter
D	225 mm	Outside diameter
B	49 mm	Width
C_r	495.000 N	Basic dynamic load rating, radial
C_{0r}	470.000 N	Basic static load rating, radial
C_{ur}	59.000 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
$n_{\vartheta r}$	3.200 1/min	Reference speed
≈m	9,63 kg	Weight

Mounting dimensions

$d_{a\ min}$	119 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	132 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	137 mm	Minimum shaft shoulder
$D_{a\ max}$	211 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum recess radius
$r_{a1\ max}$	2,5 mm	Maximum recess radius

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
$r_{1\ min}$	3 mm	Minimum chamfer dimension
s	1,4 mm	Axial displacement
E	201 mm	Raceway diameter outer ring
F	133 mm	Raceway diameter inner ring
$D_{1\ min}$	189,7 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