

**FAG****NU1096-TB-M1** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NU20..-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	TB	Bearings with increased axial load capacity
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	480 mm	Bore diameter
D	700 mm	Outside diameter
B	100 mm	Width
C_r	1.720.000 N	Basic dynamic load rating, radial
C_{0r}	3.100.000 N	Basic static load rating, radial
C_{ur}	225.000 N	Fatigue load limit, radial
n_G	1.490 1/min	Limiting speed
n_{gr}	780 1/min	Reference speed
$\approx m$	125,61 kg	Weight



Mounting dimensions

$d_{a \min}$	503 mm	Minimum diameter shaft shoulder
$d_{a \max}$	530 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	542 mm	Minimum shaft shoulder
$D_{a \max}$	677 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius
$r_{a1 \max}$	5 mm	Maximum recess radius

Dimensions

r_{\min}	6 mm	Minimum chamfer dimension
$r_{1 \min}$	6 mm	Minimum chamfer dimension
s	10,7 mm	Axial displacement
E	644 mm	Raceway diameter outer ring
F	536 mm	Raceway diameter inner ring
$D_{1 \min}$	622,4 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
	Large bearing