

**FAG****NU1996-M1A** [↗](#)

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	Standard	
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	650 mm	Outside diameter
B	78 mm	Width
$C_r$	1.150.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.250.000 N	Basic static load rating, radial
$C_{ur}$	179.000 N	Fatigue load limit, radial
$n_G$	1.680 1/min	Limiting speed
$n_{gr}$	810 1/min	Reference speed
$\approx m$	72,45 kg	Weight



### Mounting dimensions

$d_{a \min}$	497 mm	Minimum diameter shaft shoulder
$d_{a \max}$	521 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	529 mm	Minimum shaft shoulder
$D_{a \max}$	633 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
$r_{a1 \max}$	4 mm	Maximum recess radius






### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$r_{1 \min}$	5 mm	Minimum chamfer dimension
s	6,8 mm	Axial displacement
E	605 mm	Raceway diameter outer ring
F	525 mm	Raceway diameter inner ring
$D_{1 \min}$	589 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