

**FAG****NU12/560-M1A** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NU..-M1A, 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	M1A	Two Piece Brass Cage Lip 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	560 mm	Bore diameter
D	1.030 mm	Outside diameter
B	206 mm	Width
C_r	7.100.000 N	Basic dynamic load rating, radial
C_{0r}	10.800.000 N	Basic static load rating, radial
C_{ur}	850.000 N	Fatigue load limit, radial
n_G	880 1/min	Limiting speed
n_{gr}	360 1/min	Reference speed
m	799 kg	Weight



Mounting dimensions

$d_{a \min}$	600 mm	Minimum diameter shaft shoulder
$d_{a \max}$	654 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	714 mm	Minimum shaft shoulder
$D_{a \max}$	990 mm	Maximum diameter of housing shoulder
$r_{a \max}$	8 mm	Maximum recess radius
$r_{a1 \max}$	8 mm	Maximum recess radius

Dimensions

r_{\min}	9,5 mm	Minimum chamfer dimension
$r_{1 \min}$	9,5 mm	Minimum chamfer dimension
s	17,1 mm	Axial displacement
E	939 mm	Raceway diameter outer ring
F	659 mm	Raceway diameter inner ring
$D_{1 \min}$	894 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