



FAG

NU10/500-TB-M1-C3

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

Informacje techniczne



Twoja aktualna wersja produktu

Design	TB	Bearings with increased axial load capacity
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	720 mm	Outside diameter
B	100 mm	Width
C _r	1.750.000 N	Basic dynamic load rating, radial
C _{0r}	3.200.000 N	Basic static load rating, radial
C _{ur}	232.000 N	Fatigue load limit, radial
n _G	1.450 1/min	Limiting speed
n _{gr}	750 1/min	Reference speed
≈m	130,32 kg	Masa



Mounting dimensions

$d_{a \min}$	523 mm	Minimum diameter shaft shoulder
$d_{a \max}$	550 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	562 mm	Minimum shaft shoulder
$D_{a \max}$	697 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	664 mm	Raceway diameter outer ring
F	556 mm	Raceway diameter inner ring
$D_1 \min$	642,4 mm	Minimum rib diameter outer ring

Temperature range

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

Właściwości

	Obciążenie promieniowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Łożysko gabarytowe