

**FAG****NNU41/500-M**

Cylindrical roller bearing



Technical information

**Your current product variant**

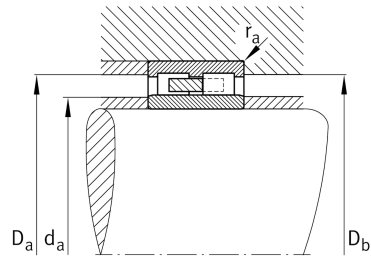
Cage	M	Brass Cage
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	CN (Group N)	Normal internal clearance
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	830 mm	Outside diameter
B	325 mm	Width
C_r	7.200.000 N	Basic dynamic load rating, radial
C_{0r}	14.700.000 N	Basic static load rating, radial
C_{ur}	1.290.000 N	Fatigue load limit, radial
n_G Grease	1.000 1/min	Limiting speed for grease lubrication
$n_{G\ Oil}$	1.180 1/min	Limiting speed for oil lubrication
$\approx m$	710 kg	Weight

Mounting dimensions

d_a	532 mm	Diameter shaft shoulder
D_a	798 mm	Diameter of housing shoulder
$r_{a1\ max}$	6 mm	Maximum recess radius





Dimensions

r _{1 min}	7,5 mm	Minimum chamfer dimension
F	582 mm	Raceway diameter inner ring
s	11,7 mm	Axial displacement
D ₁	725 mm	Shoulder diameter outer ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Characteristics



Large bearing