

**81144-M** [↗](#)

Axial cylindrical roller bearing

Axial cylindrical roller bearing 811..-M, single row

Technical information



Your current product variant

Cage	M	Brass Cage
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Main Dimensions & Performance Data

d	220 mm	Bore diameter
T	37 mm	Height
C _a	420.000 N	Basic dynamic load rating, axial
C _{0a}	1.730.000 N	Basic static load rating, axial
C _{ua}	148.000 N	Fatigue load limit, axial
n _G	1.170 1/min	Limiting speed
n _{gr}	485 1/min	Reference speed
D	270 mm	Outside diameter
m	4,681 kg	Weight

Mounting dimensions

d _{a min}	263 mm	Minimum diameter shaft shoulder
D _{a max}	226 mm	Maximum diameter of housing shoulder
r _{a max}	1,1 mm	Maximum recess radius



Dimensions

D ₁	223 mm	Bore diameter housing washer
d ₁	267 mm	Rip diameter shaft washer
r _{min}	1,1 mm	Minimum chamfer dimension

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Additional information

K81144-M	Axial roller and cage assembly
GS81144	Housing Washer
WS81144	Shaft washer

Characteristics

	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed