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25.06.2026, 20:44:10 UTC

SCHAEFFLER

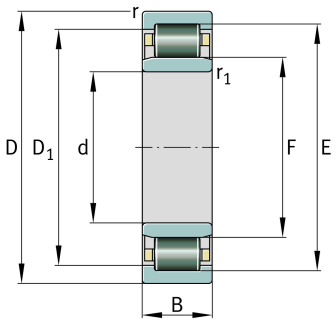
FAG

NU19/670-TB-M1

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	TB	Bearings with increased axial load capacity
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	670 mm	Bore diameter
D	900 mm	Outside diameter
B	103 mm	Width
C_r	2.040.000 N	Basic dynamic load rating, radial
C_{0r}	4.250.000 N	Basic static load rating, radial
C_{ur}	295.000 N	Fatigue load limit, radial
n_G	1.190 1/min	Limiting speed
$n_{\vartheta r}$	530 1/min	Reference speed
≈m	183 kg	Weight

Mounting dimensions

$d_{a\ min}$	693 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	726 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	736 mm	Minimum shaft shoulder
$D_{a\ max}$	877 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	11,3 mm	Axial displacement
E	839 mm	Raceway diameter outer ring
F	731 mm	Raceway diameter inner ring
$D_{1\ min}$	817 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