



RNU 305

Popular item

Cylindrical roller bearings, single row,
without an inner ring

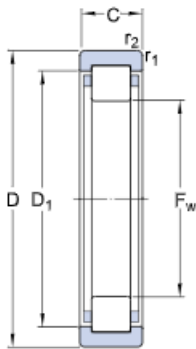
Bearing data

[Tolerances](#),
Normal, P6,
[Radial internal clearance](#),
table

Bearing interfaces

[Seat tolerances for standard
conditions](#),
[Tolerances and resultant fit
table](#)

Technical specification

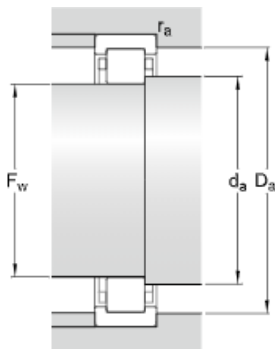


DIMENSIONS

F_w	35 mm
D	62 mm
C	17 mm
D_1	≈ 48.2 mm
$r_{1,2}$	min. 1.1 mm

ABUTMENT DIMENSIONS

d_a	max. 39 mm
D_a	max. 55.5 mm
r_a	max. 1 mm



CALCULATION DATA

Basic dynamic load rating	C	28.6 kN
Basic static load rating	C ₀	24.5 kN
Fatigue load limit	P _u	3.05 kN
Reference speed		12 000 r/min
Limiting speed		15 000 r/min
Calculation factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	0.18 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater selection tool
Design considerations		Oil Injection Method Program
Designation system		Rolling bearings mounting and dismounting instructions

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