

# K 81134 TN

## Cylindrical roller and cage thrust assembly



Cylindrical roller and cage thrust assemblies are designed to accommodate heavy axial loads and peak loads in one direction, but not radial loads. Thrust assemblies can be used in applications where the adjacent components serve as raceways and enable bearing arrangements with a low axial section heights. Where the adjacent components cannot serve as raceways, they can be combined with one or two bearing washers to create complete bearings.

- High axial load carrying capacity
- High stiffness
- Long service life
- Require little axial space
- Can be combined with bearing washers

## Overview

### Dimensions

Bore diameter	170 mm
Outside diameter	215 mm
Height	14 mm

### Performance

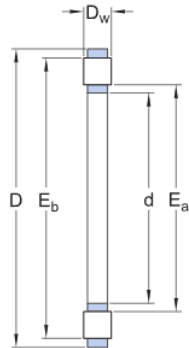
Basic dynamic load rating	285 kN
Basic static load rating	1 340 kN
Reference speed	800 r/min
Limiting speed	1 600 r/min

### Properties

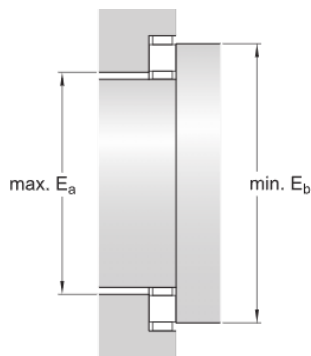
Bearing part	Roller and cage assembly
Axial load capability	Single-direction
Number of rows	1
Cage	Non-metallic
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without

# Technical Specification

## Dimensions



d	170 mm	Bore diameter
D	215 mm	Outside diameter
D <sub>w</sub>	14 mm	Diameter roller
E <sub>a</sub>	176 mm	Raceway diameter (min.) roller and cage thrust assembly
E <sub>b</sub>	209 mm	Raceway diameter (max.) roller and cage thrust assembly



## Calculation data

Basic dynamic load rating	C	285 kN
Basic static load rating	C <sub>0</sub>	1 340 kN
Fatigue load limit	P <sub>u</sub>	118 kN
Reference speed		800 r/min
Limiting speed		1 600 r/min
Minimum axial load factor	A	0.144

## Mass

Mass roller and cage thrust assembly

0.66 kg

## Associated products

Shaft washer

WS 81134

Housing washer

GS 81134

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