

## K 81228 M



## 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	140 mm
Outside diameter	200 mm
Height	19 mm

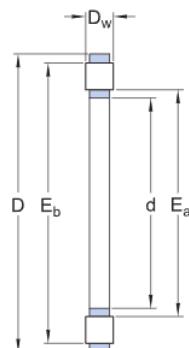
## Performance

## Properties

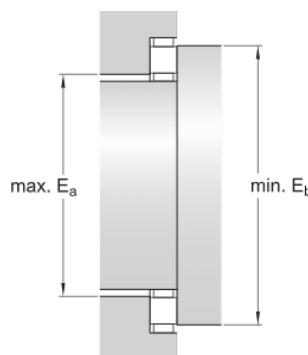
Basic dynamic load rating	360 kN	Bearing part	Roller and cage assembly
Basic static load rating	1 400 kN	Axial load capability	Single-direction
Reference speed	700 r/min	Number of rows	1
Limiting speed	1 400 r/min	Cage	Machined metal
		Tolerance class	Normal
		Material, bearing	Bearing steel
		Coating	Without

# Technical Specification

## Dimensions



d	140 mm	Bore diameter
D	200 mm	Outside diameter
$D_w$	19 mm	Diameter roller
$E_a$	150 mm	Raceway diameter (min.) roller and cage thrust assembly
$E_b$	191 mm	Raceway diameter (max.) roller and cage thrust assembly



## Calculation data

Basic dynamic load rating	C	360 kN
Basic static load rating	$C_0$	1 400 kN
Fatigue load limit	$P_u$	129 kN
Reference speed		700 r/min
Limiting speed		1 400 r/min
Minimum axial load factor	A	0.157

## Mass

Mass roller and cage thrust assembly

1.8 kg

## Associated products

Shaft washer	WS 81228
Housing washer	GS 81228

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