

## 81248 M

## Single row cylindrical roller thrust bearing, single direction



Single row cylindrical roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction, but not radial loads. They provide a high degree of stiffness and require little axial space. They are mainly used in applications where thrust ball bearings do not have sufficient load carrying capacity. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- High axial load carrying capacity
- High stiffness
- Long service life
- Require little axial space
- Separable design

## Overview

## Dimensions

Bore diameter	240 mm
Outside diameter	340 mm
Height	78 mm

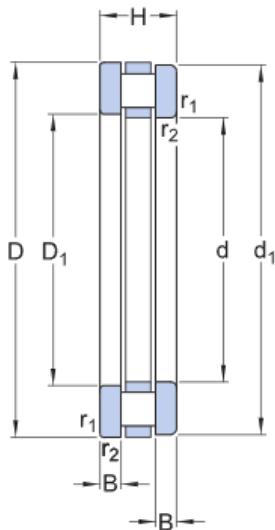
## Performance

## Properties

Basic dynamic load rating	1 100 kN	Bearing part	Complete bearing
Basic static load rating	4 900 kN	Axial load capability	Single-direction
Reference speed	400 r/min	Number of rows	1
Limiting speed	800 r/min	Cage	Machined metal
		Tolerance class	Normal
		Material, bearing	Bearing steel
		Coating	Without

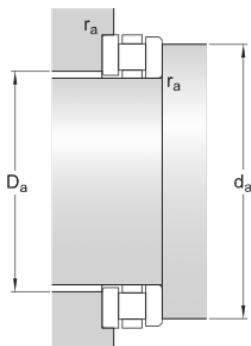
# Technical Specification

## Dimensions



d	240 mm	Bore diameter
D	340 mm	Outside diameter
H	78 mm	Height
d <sub>1</sub>	335 mm	Outside diameter shaft washer
D <sub>1</sub>	244 mm	Bore diameter housing washer
B	23 mm	Height shaft washer
r <sub>1,2</sub> min. 2.1 mm		Chamfer dimension housing washer

## Abutment dimensions



d <sub>a</sub>	min. 335 mm	Abutment diameter shaft
D <sub>a</sub>	max. 261 mm	Abutment diameter housing
r <sub>a</sub>	max. 2.1 mm	Fillet radius

## Calculation data

Basic dynamic load rating	C	1 100 kN
Basic static load rating	C <sub>0</sub>	4 900 kN
Fatigue load limit	P <sub>u</sub>	390 kN
Reference speed		400 r/min
Limiting speed		800 r/min
Minimum axial load factor	A	1.921

## Mass

Mass bearing

22 kg

## Included products

Roller and cage thrust assembly K 81248 M

Shaft washer WS 81248

Housing washer GS 81248

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