



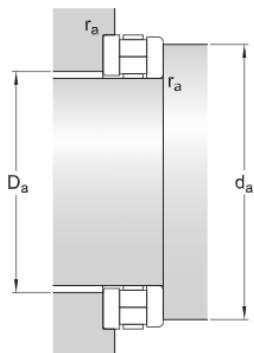
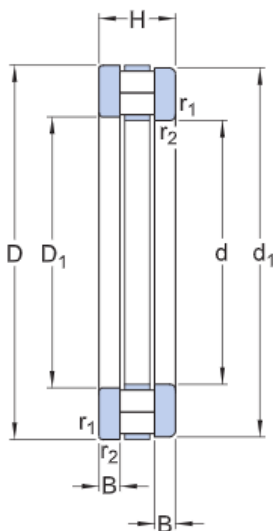
89436 M

Cylindrical roller thrust bearings

Bearing data, Design considerations [Tolerances,](#) table, table, values, [Design considerations,](#) table

Bearing interfaces [Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	180 mm	Bore diameter
D	360 mm	Outside diameter
H	109 mm	Nominal height
d ₁	360 mm	Outside diameter shaft washer
D ₁	184 mm	Bore diameter housing washer
B	36.5 mm	Height shaft washer
r _{1,2}	min.5 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.353 mm	Abutment diameter shaft
Da	max.203 mm	Abutment diameter housing
ra	max.5 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	1 760 kN
Basic static load rating	C ₀	8 000 kN
Fatigue load limit	P _u	655 kN
Reference speed		400 r/min
Limiting speed		800 r/min
Minimum axial load factor	A	5.12

MASS

Mass bearing	60.2 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 89436 M
Shaft washer	WS 89436
Housing washer	GS 89436

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		
Designation system		

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