



# HM 801346 X/310

- SKF Explorer

## Tapered roller bearings, single row

### Bearing data

[Tolerances,](#)

Normal and CL7C, CLN, Normal and CL, deviating width

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

Dimension series

HM 801300

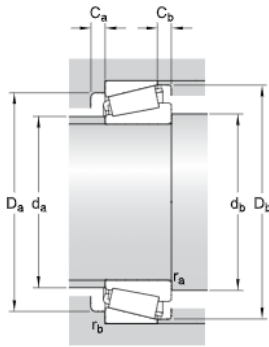


### DIMENSIONS

d	38.1 mm	Bore diameter
D	82.55 mm	Outside diameter
T	29.37 mm	Total bearing width
d1	≈64.15 mm	Inner ring shoulder diameter
B	28.575 mm	Width inner ring
C	23.02 mm	Width outer ring
r <sub>1,2</sub>	min.2.3 mm	Corner radius inner ring
r <sub>3,4</sub>	min.3.3 mm	Corner radius outer ring
a	24.155 mm	Distance pressure point

### ABUTMENT DIMENSIONS

da	max.49 mm	Abutment diameter shaft
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db	min.48.5 mm	Abutment diameter shaft
Da	min.64 mm	Abutment diameter housing
Da	max.71.5 mm	Abutment diameter housing
Db	min.78 mm	Abutment diameter housing
Ca	min.4 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
Cb	min.6 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
ra	max.2.3 mm	Fillet radius
rb	max.3.3 mm	Fillet radius

## CALCULATION DATA

Basic dynamic load rating	C	106 kN
Basic static load rating	C <sub>0</sub>	118 kN
Fatigue load limit	P <sub>u</sub>	13.4 kN
Reference speed		6 700 r/min
Limiting speed		8 000 r/min
Calculation factor	e	0.54
Calculation factor	Y	1.1
Calculation factor	Y <sub>0</sub>	0.6

## MASS

Mass bearing	0.77 kg
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More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
<a href="#">Designs and variants</a>	<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">SimPro Quick</a>	<a href="#">SimPro Quick</a>
<a href="#">Bearing data</a>	<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">General bearing knowledge</a>	<a href="#">Bearing Select</a>	<a href="#">Bearing Select</a>
<a href="#">Loads</a>	<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">LubeSelect for SKF greases</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Permissible speed</a>	<a href="#">Permissible speed</a>			<a href="#">Heater Selection Tool</a>	<a href="#">Heater Selection Tool</a>
<a href="#">Design considerations</a>	<a href="#">Design considerations</a>			<a href="#">Oil Injection Method Program</a>	<a href="#">Oil Injection Method Program</a>
<a href="#">Bearing designations</a>	<a href="#">Bearing designations</a>			<a href="#">skf.com/mount</a>	<a href="#">skf.com/mount</a>
<a href="#">Designation system</a>	<a href="#">Designation system</a>				

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