



# M 249747/710

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

M 249700



## DIMENSIONS

d	257.175 mm
D	358.775 mm
T	71.438 mm
d <sub>1</sub>	≈ 303.4 mm
B	76.2 mm
C	53.975 mm
r <sub>1,2</sub>	min. 1.5 mm
r <sub>3,4</sub>	min. 3.3 mm
a	64.003 mm

## ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 276 mm
d <sub>b</sub>	min. 270.5 mm
D <sub>a</sub>	min. 326 mm
D <sub>a</sub>	max. 343 mm



$D_b$	min. 343 mm
$C_a$	min. 11 mm
$C_b$	min. 17 mm
$r_a$	max. 1.5 mm
$r_b$	max. 3.3 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	1030 kN
Basic static load rating	$C_0$	1760 kN
Fatigue load limit	$P_u$	156 kN
Reference speed		1300 r/min
Limiting speed		1600 r/min
Calculation factor	$e$	0.33
Calculation factor	$Y$	1.8
Calculation factor	$Y_0$	1

## MASS

Mass bearing	21.6 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="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>	<a href="#">Bearing selection process</a>	<a href="#">Bearing selection process</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="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</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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