



LM 11749/710

- Popular item
- 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

LM 11700



DIMENSIONS

d	17.462 mm	Bore diameter
D	39.878 mm	Outside diameter
T	13.843 mm	Total bearing width
d1	≈28.7 mm	Inner ring shoulder diameter
B	14.605 mm	Width inner ring
C	10.668 mm	Width outer ring
r1,2	min.1.3 mm	Corner radius inner ring
r3,4	min.1.3 mm	Corner radius outer ring
a	8.599 mm	Distance pressure point

ABUTMENT DIMENSIONS

da	max.23 mm	Abutment diameter shaft
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db	min.24.5 mm	Abutment diameter shaft
Da	min.35 mm	Abutment diameter housing
Da	max.34 mm	Abutment diameter housing
Db	min.36 mm	Abutment diameter housing
Ca	min.2 mm	Abutment housing - axial space at the large side face/ both sides of the outer ring
Cb	min.3 mm	Abutment housing - axial space at the small side face/ both sides of the outer ring
ra	max.1.3 mm	Fillet radius
rb	max.1.3 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	26.1 kN
Basic static load rating	C ₀	20.8 kN
Fatigue load limit	P _u	2.12 kN
Reference speed		15 000 r/min
Limiting speed		18 000 r/min
Calculation factor	e	0.28
Calculation factor	Y	2.1
Calculation factor	Y ₀	1.1

MASS

Mass bearing	0.082 kg
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More information

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

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