



# LM 12749/710

Popular item SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

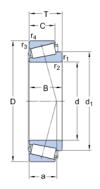
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series LM 12700



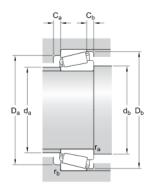
### **DIMENSIONS**

d	21.987 mm
D	45.237 mm
Т	15.494 mm
$d_1$	≈ 34.3 mm
В	16.637 mm
С	12.065 mm
r <sub>1,2</sub>	min. 1.3 mm
r <sub>3,4</sub>	min. 1.3 mm
a	10.066 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 28 mm
$d_b$	min. 29 mm
D <sub>a</sub>	min. 39 mm
$D_a$	max. 39 mm





$D_b$	min. 42 mm
$C_{a}$	min. 3 mm
$C_{b}$	min. 3 mm
r <sub>a</sub>	max. 1.3 mm
$r_b$	max. 1.3 mm

## CALCULATION DATA

Basic dynamic load rating	С	33.9 kN
Basic static load rating	$C_0$	31 kN
Fatigue load limit	$P_{u}$	3.2 kN
Reference speed		12000 r/min
Limiting speed		15000 r/min
Calculation factor	е	0.31
Calculation factor	Υ	1.9
Calculation factor	Y <sub>0</sub>	1.1

## MASS

Mass bearing	0.12 kg
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## More information

Designs	Designs			SimPro	SimPro	
and variants	and variants	Principles of rolling bearing -selection General bearing k nowledge  Bearing selection process	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing	
Bearing data	Bearing data		bearing -selection General	Select	Select	
Loads	Loads		nowledge  Bearing selection	bearing k nowledge	Engineer ing Calcul ator	Engineer ing Calcul ator
Tempera ture limits	Tempera ture limits			selection selection		LubeSele ct for SKF greases
Permissi ble speed	Permissi ble speed	Bearing failure	Bearing failure	Heater Selection	Heater Selection	
Design c onsiderati ons	Design c onsiderati ons	and how to prevent it	and how to prevent it	Tool Oil Injection Method	Tool Oil Injection Method	
Bearing designati ons	Bearing designati ons			Program skf.com/ mount	Program skf.com/ mount	
Designati on system	Designati on system					

5KF.



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