



FAG

KLM29749-LM29710

Tapered roller bearing

Tapered roller bearings K-Series, in inch sizes, separable

Informacje techniczne



Twoja aktualna wersja produktu

Tolerance class	ABMA4	Class 4 (ANSI/ABMA 19.2:2013)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Quality level	Standard	
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	38,1 mm	Bore diameter
D	65,088 mm	Outside diameter
B	18,288 mm	Width, inner ring
C	13,97 mm	Width, outer ring
T	18,034 mm	Width, total
C _r	45.000 N	Basic dynamic load rating, radial
C _{0r}	60.000 N	Basic static load rating, radial
C _{ur}	7.100 N	Fatigue load limit, radial
n _G	11.200 1/min	Limiting speed
n _{gr}	6.500 1/min	Thermal speed rating
≈m	0,24 kg	Masa



Mounting dimensions

d _a max	42,5 mm	Maximum diameter of shaft shoulder
d _b min	46,5 mm	Minimum diameter of shaft shoulder
D _a min	58,9 mm	Minimum diameter of housing shoulder
D _b min	62 mm	Minimum diameter of housing shoulder
C _a min	2 mm	Minimum axial space
C _b min	4 mm	Minimum axial space
r _a max	2,3 mm	Maximum fillet radius of shaft
r _b max	1,3 mm	Maximum fillet radius of housing

Dimensions

r _{1, 2} min	2,3 mm	Minimum chamfer dimension of inner ring back face
r _{3, 4} min	1,3 mm	Minimum chamfer dimension of outer ring back face
a	13 mm	Distance between the apexes of the pressure cones
d ₁	53 mm	Guidance rib diameter of inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,8	Dynamic axial load factor

Y₀ 0,99 Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia