



FAG

KLM503349-A-LM503310

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	45,987 mm	Bore diameter
D	74,985 mm	Outside diameter
B	18 mm	Width, inner ring
C	14 mm	Width, outer ring
T	18 mm	Width, total
C _r	48.500 N	Basic dynamic load rating, radial
C _{0r}	67.000 N	Basic static load rating, radial
C _{ur}	7.900 N	Fatigue load limit, radial
n _G	9.600 1/min	Limiting speed
n _{gr}	5.500 1/min	Thermal speed rating
≈m	0,308 kg	Masa



Mounting dimensions

d _a max	51 mm	Maximum diameter of shaft shoulder
d _b min	57 mm	Minimum diameter of shaft shoulder
D _a min	67 mm	Minimum diameter of housing shoulder
D _a max	68 mm	Maximum diameter of housing shoulder
D _b min	71 mm	Minimum diameter of housing shoulder
C _a min	3,5 mm	Minimum axial space
C _b min	4 mm	Minimum axial space
r _a max	3,6 mm	Maximum fillet radius of shaft
r _b max	1,5 mm	Maximum fillet radius of housing

Dimensions

r _{1, 2} min	3,6 mm	Minimum chamfer dimension of inner ring back face
r _{3, 4} min	1,5 mm	Minimum chamfer dimension of outer ring back face
a	16 mm	Distance between the apexes of the pressure cones
d ₁	61,9 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	0,4	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,49	Dynamic axial load factor
Y ₀	0,82	Static axial load factor



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia