



FAG

KLM48548-LM48510

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	34,925 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	46.500 N	Basic dynamic load rating, radial
C _{0r}	56.000 N	Basic static load rating, radial
C _{ur}	6.600 N	Fatigue load limit, radial
n _G	11.500 1/min	Limiting speed
n _{gr}	6.900 1/min	Thermal speed rating
≈m	0,257 kg	Masa



Mounting dimensions

d _a max	41,5 mm	Maximum diameter of shaft shoulder
d _b min	48 mm	Minimum diameter of shaft shoulder
D _a min	58 mm	Minimum diameter of housing shoulder
D _a max	59 mm	Maximum diameter of housing shoulder
D _b min	61 mm	Minimum diameter of housing shoulder
C _a min	3 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	1,3 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	1,3 mm	Minimum chamfer dimension of outer ring back face
a	14 mm	Distance between the apexes of the pressure cones
d ₁	49,7 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	0,38	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,59	Dynamic axial load factor
Y ₀	0,88	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia