



FAG

KLM12749-LM12711

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	21,986 mm	Bore diameter
D	45,974 mm	Outside diameter
B	16,637 mm	Width, inner ring
C	12,065 mm	Width, outer ring
T	15,494 mm	Width, total
C _r	28.500 N	Basic dynamic load rating, radial
C _{0r}	32.000 N	Basic static load rating, radial
C _{ur}	3.600 N	Fatigue load limit, radial
n _G	16.900 1/min	Limiting speed
n _{gr}	10.100 1/min	Thermal speed rating
≈m	0,126 kg	Masa



Mounting dimensions

d a max	26 mm	Maximum diameter of shaft shoulder
d b min	27,5 mm	Minimum diameter of shaft shoulder
D a min	40 mm	Minimum diameter of housing shoulder
D a max	40 mm	Maximum diameter of housing shoulder
D b min	42,5 mm	Minimum diameter of housing shoulder
C a min	3 mm	Minimum axial space
C b min	3 mm	Minimum axial space
r a max	1,3 mm	Maximum fillet radius of shaft
r b max	1,3 mm	Maximum fillet radius of housing

Dimensions

r 1, 2 min	1,3 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	10 mm	Distance between the apexes of the pressure cones
d 1	34,8 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	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,96	Dynamic axial load factor
Y 0	1,08	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia