



FAG

KL68149-L68110

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	34,988 mm	Bore diameter
D	59,131 mm	Outside diameter
B	16,764 mm	Width, inner ring
C	11,938 mm	Width, outer ring
T	15,875 mm	Width, total
C _r	34.000 N	Basic dynamic load rating, radial
C _{0r}	44.500 N	Basic static load rating, radial
C _{ur}	5.100 N	Fatigue load limit, radial
n _G	12.400 1/min	Limiting speed
n _{gr}	7.100 1/min	Thermal speed rating
≈m	170,07 g	Masa



Mounting dimensions

d _a max	39 mm	Maximum diameter of shaft shoulder
d _b min	45,5 mm	Minimum diameter of shaft shoulder
D _a min	53 mm	Minimum diameter of housing shoulder
D _a max	53 mm	Maximum diameter of housing shoulder
D _b min	56 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	13 mm	Distance between the apexes of the pressure cones
d ₁	48,8 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	0,42	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,44	Dynamic axial load factor
Y ₀	0,79	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia