



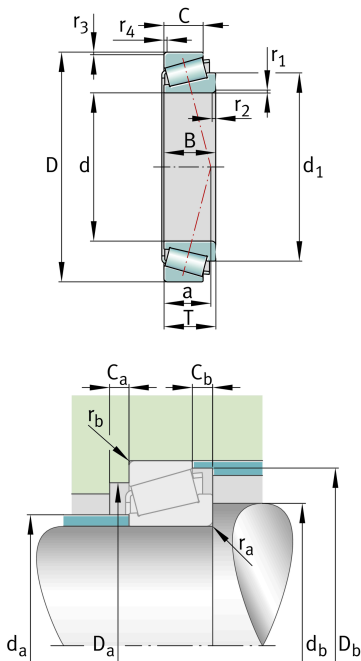
FAG

KLM11949-LM11910

Tapered roller bearing

Tapered roller bearings K-Series, in inch sizes, separable, adjusted or in pairs

Technical information



Your current product variant

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 rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	19.05 mm	Bore diameter
D	45.237 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	28,000 N	Basic dynamic load rating, radial
C _{0r}	28,000 N	Basic static load rating, radial
C _{ur}	3,100 N	Fatigue load limit, radial
n _G	17,800 1/min	Limiting speed
n _{gr}	11,100 1/min	Thermal speed rating
≈m	0.08 kg	Weight



Mounting dimensions

d _a max	23.5 mm	Maximum diameter of shaft shoulder
d _b min	25 mm	Minimum diameter of shaft shoulder
D _a min	39.5 mm	Minimum diameter of housing shoulder
D _b min	41.5 mm	Minimum diameter of housing shoulder
C _a min	3.5 mm	Minimum axial space
C _b min	3.4 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	31.8 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	0.3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	2	Dynamic axial load factor
Y ₀	1.1	Static axial load factor



Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed