



FAG

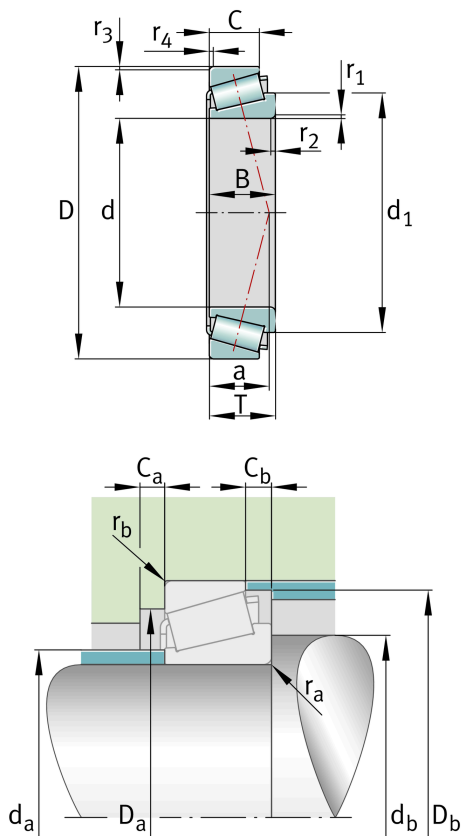
KLM11749-LM11710-XL

Tapered roller bearing

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

X-life

Technical information



Main Dimensions & Performance Data

d	17.462 mm	Bore diameter
D	39.878 mm	Outside diameter
B	14.605 mm	Width, inner ring
C	10.668 mm	Width, outer ring
T	13.843 mm	Width, total
C_r	25,500 N	Basic dynamic load rating, radial
C_{0r}	21,000 N	Basic static load rating, radial
C_{ur}	2,950 N	Fatigue load limit, radial
n_G	24,300 1/min	Limiting speed
	0.083 kg	Weight

Mounting dimensions

$d_{a \max}$	22 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	24 mm	Minimum diameter of shaft 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

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	9 mm	Distance between the apexes of the pressure cones
d_1	29 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	0.29	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	2.1	Dynamic axial load factor
Y_0	1.15	Static axial load factor