



FAG

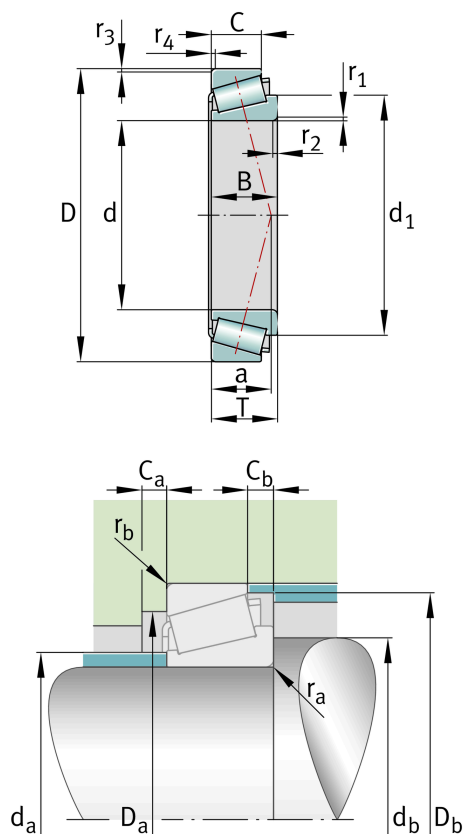
KLM12749-LM12710

Tapered roller bearing

Schaeffler ID:
0167317780000

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

Technical information



Main Dimensions & Performance Data

d	21.986 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	28,500 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
	116 g	Weight

Mounting dimensions

$d_{a \max}$	26 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	27.5 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	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 F_a/F_r 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