

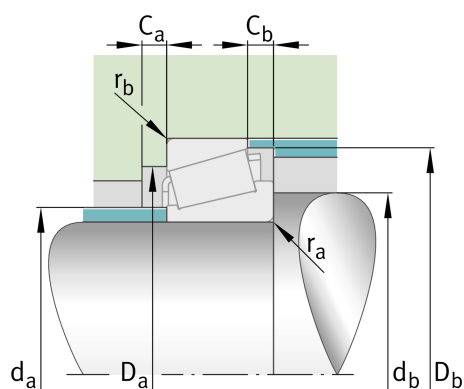
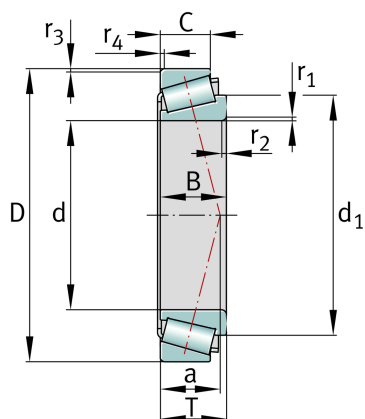
FAG

KLM501349-LM501310

Tapered roller bearing

Schaeffler ID:
0167318080000Tapered roller bearing K-SERIES, single
row

Technical information



Main Dimensions & Performance Data

d	41,275 mm	Bore diameter
D	73,431 mm	Outside diameter
B	19,812 mm	Width, inner ring
C	14,732 mm	Width, outer ring
T	19,558 mm	Width, total
C_r	55.000 N	Basic dynamic load rating, radial
C_{0r}	68.000 N	Basic static load rating, radial
C_{ur}	8.300 N	Fatigue load limit, radial
n_G	10.000 1/min	Limiting speed
	0,345 kg	Weight

Dimensions

$r_{1,2 \text{ min}}$	3,6 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	0,8 mm	Minimum chamfer dimension of outer ring back face
a	16 mm	Distance between the apexes of the pressure cones
d_1	57,2 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	46,5 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	53 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	67 mm	Minimum diameter of housing shoulder
$D_{b \text{ min}}$	70 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	4 mm	Minimum axial space
$C_{b \text{ min}}$	4,5 mm	Minimum axial space
$r_{a \text{ max}}$	3,6 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	0,8 mm	Maximum fillet radius of housing

Calculation factors

e	0,4	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,5	Dynamic axial load factor
Y ₀	0,83	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.