



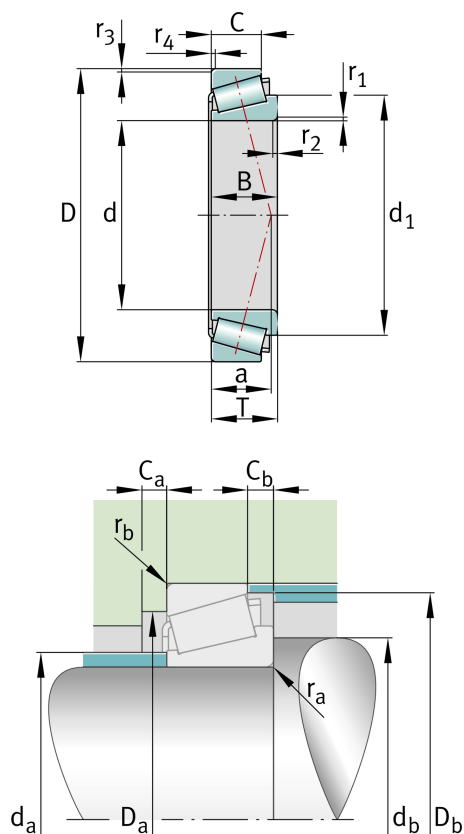
FAG

## KLM503349-A-LM503310

Tapered roller bearing

Schaeffler ID:  
0192022880000Tapered roller bearing K-SERIES, single  
row

## Technical information



## Main Dimensions &amp; Performance Data

d	45,987 mm	Bore diameter
D	74,975 mm	Outside diameter
B	18 mm	Width, inner ring
C	14 mm	Width, outer ring
T	18 mm	Width, total
$C_r$	48.500 N	Basic dynamic load rating, radial
$C_{0r}$	67.000 N	Basic static load rating, radial
$C_{ur}$	8.000 N	Fatigue load limit, radial
$n_G$	9.600 1/min	Limiting speed
	0,308 kg	Weight

## Dimensions

$r_{1,2 \text{ min}}$	3,6 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	1,5 mm	Minimum chamfer dimension of outer ring back face
a	16 mm	Distance between the apexes of the pressure cones
$d_1$	62 mm	Guidance rib diameter of inner ring

## Mounting dimensions

$d_{a \text{ max}}$	51 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	57 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	67 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	68 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	71 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	3,5 mm	Minimum axial space
$C_{b \text{ min}}$	4 mm	Minimum axial space
$r_{a \text{ max}}$	3,6 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	1,5 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	1,49	Dynamic axial load factor
Y <sub>0</sub>	0,82	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.