



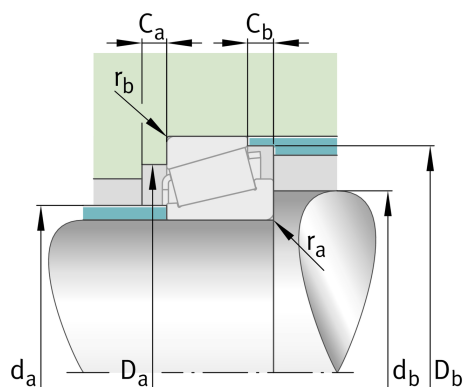
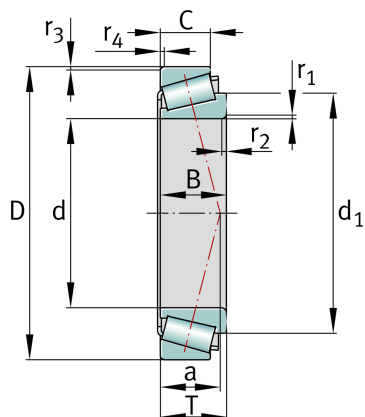
FAG

KHM88649-HM88610

Tapered roller bearing

Schaeffler ID:
0167316700000Tapered roller bearing K-SERIES, single
row

Technical information

**Main Dimensions & Performance Data**

d	34,925 mm	Bore diameter
D	72,233 mm	Outside diameter
B	25,4 mm	Width, inner ring
C	19,842 mm	Width, outer ring
T	25,4 mm	Width, total
C_r	68.000 N	Basic dynamic load rating, radial
C_{0r}	91.000 N	Basic static load rating, radial
C_{ur}	11.500 N	Fatigue load limit, radial
n_G	10.000 1/min	Limiting speed
	0,508 kg	Weight

Dimensions

$r_{1,2 \text{ min}}$	2,3 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	2,3 mm	Minimum chamfer dimension of outer ring back face
a	21 mm	Distance between the apexes of the pressure cones
d_1	56,8 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	42,5 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	48,5 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	60 mm	Minimum diameter of housing shoulder
$D_{b \text{ min}}$	69 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	3 mm	Minimum axial space
$C_{b \text{ min}}$	5 mm	Minimum axial space
$r_{a \text{ max}}$	2,3 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	2,3 mm	Maximum fillet radius of housing

Calculation factors

e	0,55	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,1	Dynamic axial load factor
Y ₀	0,6	Static axial load factor

Temperature range

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