



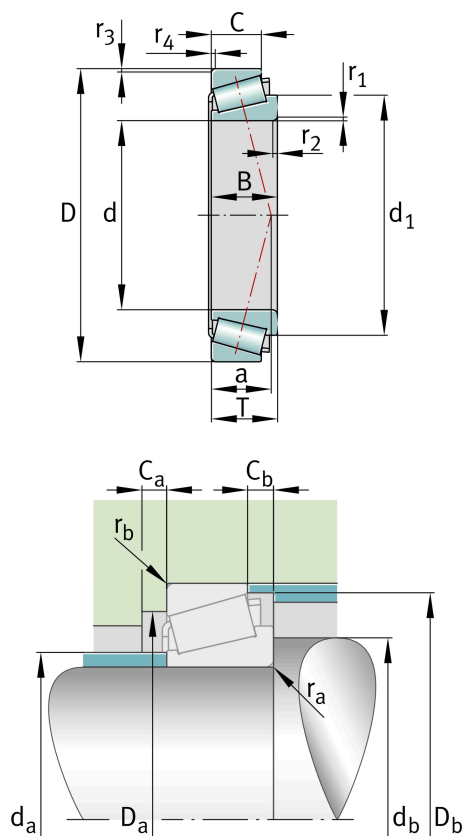
FAG

K29590-29521

Tapered roller bearing

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

Technical information



Main Dimensions & Performance Data

d	66,675 mm	Bore diameter
D	110 mm	Outside diameter
B	25,4 mm	Width, inner ring
C	19,05 mm	Width, outer ring
T	25,4 mm	Width, total
C_r	94.000 N	Basic dynamic load rating, radial
C_{0r}	143.000 N	Basic static load rating, radial
C_{ur}	18.500 N	Fatigue load limit, radial
n_G	6.500 1/min	Limiting speed
	0,923 kg	Weight

Mounting dimensions

$d_{a \max}$	73 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	80 mm	Minimum diameter of shaft shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	4,5 mm	Minimum axial space
$r_{a \max}$	3,6 mm	Maximum fillet radius of shaft

Dimensions

$r_{1,2 \min}$	3,6 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	25 mm	Distance between the apexes of the pressure cones

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

e	0,46	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,31	Dynamic axial load factor
Y ₀	0,72	Static axial load factor