



FAG

K568-563 [🔗](#)

Tapered roller bearing

Tapered roller bearings K-Series, in inch sizes, separable

Technische Informationen

Your current product variant

Toleranzklasse	ABMA4	Klasse 4 (ANSI/ABMA 19.2:2013)
Wärmebehandlung	Standard	
Käfig	Standard	Käfig aus Stahlblech, wälzkörpergeführt
Qualitätslevel	Standard	
Anzahl Wälzkörper-Reihen	1	Einreihig

Main Dimensions & Performance Data

d	73,817 mm	Bore diameter
D	127 mm	Outside diameter
B	36,17 mm	Width, inner ring
C	28,575 mm	Width, outer ring
T	36,512 mm	Width, total
C _r	168.000 N	Basic dynamic load rating, radial
C _{0r}	238.000 N	Basic static load rating, radial
C _{ur}	30.500 N	Fatigue load limit, radial
n _G	5.600 1/min	Limiting speed
n _{gr}	4.100 1/min	Thermal speed rating
m	1,85 kg	Gewicht





Mounting dimensions

$d_{a \max}$	82 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	83 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	112 mm	Minimum diameter of housing shoulder
$D_{a \max}$	116 mm	Maximum diameter of housing shoulder
$D_{b \min}$	120 mm	Minimum diameter of housing shoulder
$C_{a \min}$	2 mm	Minimum axial space
$C_{b \min}$	7 mm	Minimum axial space
$r_{a \max}$	0,8 mm	Maximum fillet radius of shaft
$r_{b \max}$	3,3 mm	Maximum fillet radius of housing

Dimensions

$r_{1, 2 \min}$	0,8 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4 \min}$	3,3 mm	Minimum chamfer dimension of outer ring back face
a	29 mm	Distance between the apexes of the pressure cones
d_1	98,8 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	0,36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,65	Dynamic axial load factor
Y_0	0,91	Static axial load factor



Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed