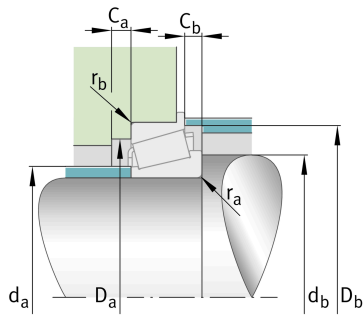
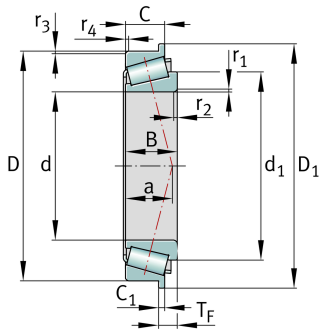


**FAG****K11163-11300-B**

Tapered roller bearing

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

## Technical information



## Your current product variant

Tolerance class	ABMA4	Class 4 (ANSI/ABMA 19.2:2013)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Quality level	Standard	
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	41,275 mm	Bore diameter
D	76,2 mm	Outside diameter
B	17,384 mm	Width, inner ring
C	14,288 mm	Width, outer ring
T <sub>F</sub>	7,292 mm	Width assembled flange bearing
C <sub>r</sub>	44.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	53.000 N	Basic static load rating, radial
C <sub>ur</sub>	6.000 N	Fatigue load limit, radial
n <sub>G</sub>	9.900 1/min	Limiting speed
n <sub>gr</sub>	6.100 1/min	Thermal speed rating
m	359,78 g	Weight



### Mounting dimensions

$d_{a \max}$	46,5 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	49 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	67 mm	Minimum diameter of housing shoulder
$D_{a \max}$	69 mm	Maximum diameter of housing shoulder
$D_{b \min}$	71 mm	Minimum diameter of housing shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	3,5 mm	Minimum axial space
$r_{a \max}$	0,8 mm	Maximum fillet radius of shaft
$r_{b \max}$	1,5 mm	Maximum fillet radius of housing

### Dimensions

$r_{1, 2 \min}$	0,8 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4 \min}$	1,5 mm	Minimum chamfer dimension of outer ring back face
$a$	17 mm	Distance between the apexes of the pressure cones
$d_1$	59,3 mm	Guidance rib diameter of inner ring
$D_1$	80,863 mm	Outside diameter flange
$C_1$	3,571 mm	Width flange

### Temperature range

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

### Calculation factors

$e$	0,49	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1,23	Dynamic axial load factor
$Y_0$	0,68	Static axial load factor



### Characteristics

---

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