

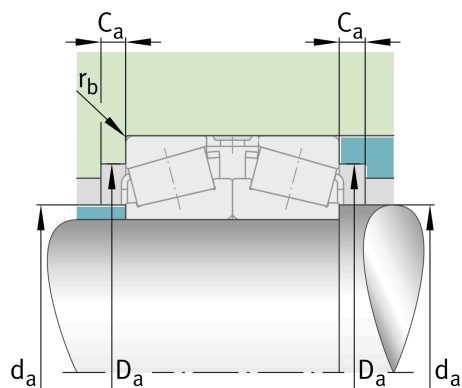
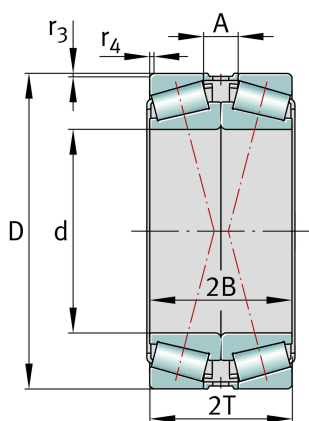
FAG

33018-P5-DF-A80-100

Tapered roller bearing set

Tapered roller bearing set 330...DF, X-arrangement

Technical information

**Main Dimensions & Performance Data**

d	90 mm	Bore diameter
D	140 mm	Outside diameter
2B	78 mm	Inner ring total width
2T	78 mm	Outer ring total width
C_r	370,000 N	Basic dynamic load rating, radial
C_{0r}	730,000 N	Basic static load rating, radial
C_{ur}	92,000 N	Fatigue load limit, radial
n_G	4,750 1/min	Limiting speed
n_{gr}	3,050 1/min	Thermal speed rating
$\approx m$	4.59 kg	Weight

Mounting dimensions

$d_{a \max}$	100 mm	Maximum diameter of shaft shoulder
$D_{a \min}$	127 mm	Minimum diameter of housing shoulder
$D_{a \max}$	131 mm	Maximum diameter of housing shoulder
$C_{a \min}$	7 mm	Minimum axial space
$r_{b \max}$	1.5 mm	Maximum fillet radius of housing

Dimensions

$r_{3,4 \min}$	1.5 mm	Minimum chamfer dimension of outer ring back face
A	13 mm	Width of spacer

Temperature range

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

Calculation factors

e	0.27	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.51	Dynamic axial load factor
Y ₂	3.74	Dynamic axial load factor
Y ₀	2.45	Static axial load factor