**FAG****1204-K-TVH-C3**

Self-aligning ball bearing

Self-aligning ball bearing 12..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C_r	10.100 N	Basic dynamic load rating, radial
C_{0r}	2.600 N	Basic static load rating, radial
C_{ur}	166 N	Fatigue load limit, radial
n_G	18.100 1/min	Limiting speed
n_{gr}	15.300 1/min	Reference speed
$\approx m$	0,116 kg	Weight

Mounting dimensions

$d_{a \min}$	25,6 mm	Minimum diameter shaft shoulder
$d_{a \max}$	27 mm	Maximum diameter shaft shoulder
$D_{a \max}$	41,4 mm	Maximum diameter of housing shoulder
$d_{b \min}$	23 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	37,75 mm	Shoulder diameter outer ring
d_1	29,2 mm	Shoulder diameter inner ring

Temperature range

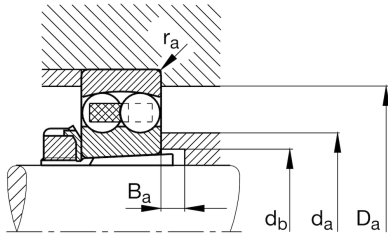
T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.



View product details on medias

25.04.2024, 09:16:54 CEST

SCHAEFFLER



Calculation factors

e	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,24	Dynamic axial load factor
Y_2	3,47	Dynamic axial load factor
Y_0	2,35	Static axial load factor

Additional information

H204	Adapter sleeve
------	----------------