

FAG

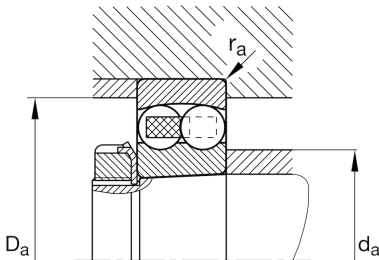
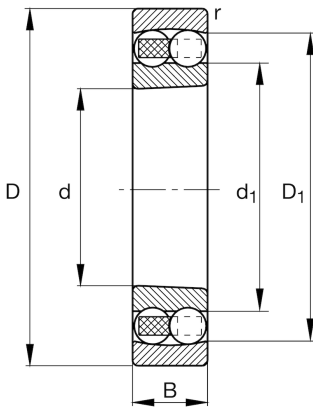
★ 1204-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389028850030Self-aligning ball bearing 12..-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	0,116 kg	Weight

Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
r_{min}	1 mm	Minimum chamfer dimension
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

Dimensions

D_1	37,8 mm	Shoulder diameter outer ring
d_1	29,2 mm	Shoulder diameter inner ring

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

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H204	Adapter sleeve
Y ₁	2,24	Dynamic axial load factor
Y ₂	3,47	Dynamic axial load factor
Y ₀	2,35	Static axial load factor