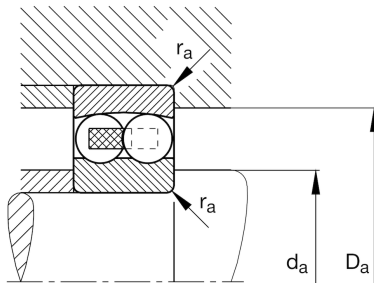
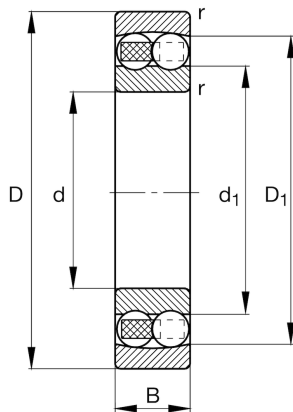
**FAG****1304-TVH-C3** [↗](#)

Self-aligning ball bearing

Self-aligning ball bearing 13...TVH, plastic cage

Technical information



Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	12.700 N	Basic dynamic load rating, radial
C _{0r}	3.350 N	Basic static load rating, radial
C _{ur}	212 N	Fatigue load limit, radial
n _G	16.100 1/min	Limiting speed
n _{gr}	11.600 1/min	Reference speed
≈m	164 g	Weight

Mounting dimensions

d _{a min}	27 mm	Minimum diameter shaft shoulder
D _{a max}	45 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₁	41,48 mm	Shoulder diameter outer ring
d ₁	31,6 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,16	Dynamic axial load factor
Y ₂	3,34	Dynamic axial load factor
Y ₀	2,26	Static axial load factor