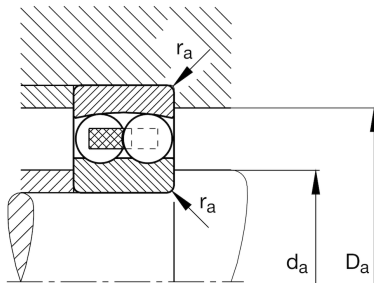
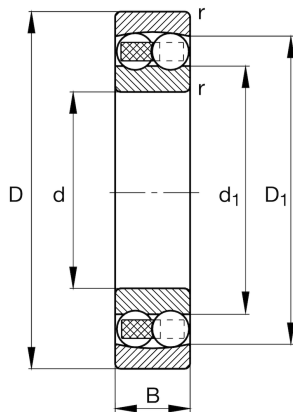
**FAG****1310-TVH**

Self-aligning ball bearing

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

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	42.000 N	Basic dynamic load rating, radial
C _{0r}	14.200 N	Basic static load rating, radial
C _{ur}	900 N	Fatigue load limit, radial
n _G	6.900 1/min	Limiting speed
n _{gr}	6.300 1/min	Reference speed
≈m	1,239 kg	Weight

Mounting dimensions

d _{a min}	61 mm	Minimum diameter shaft shoulder
D _{a max}	99 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	91,65 mm	Shoulder diameter outer ring
d ₁	71,2 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,59	Dynamic axial load factor
Y ₂	4,01	Dynamic axial load factor
Y ₀	2,72	Static axial load factor