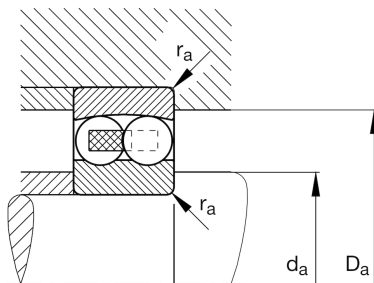
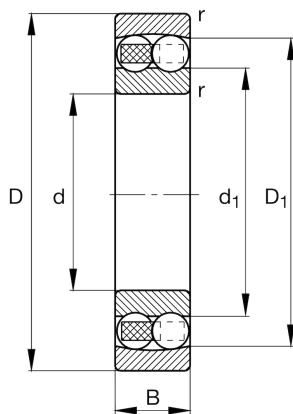


**FAG****1313-TVH**

Self-aligning ball bearing

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

Technical information



Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
C _r	63,000 N	Basic dynamic load rating, radial
C _{0r}	22,900 N	Basic static load rating, radial
C _{ur}	1,420 N	Fatigue load limit, radial
n _G	5,200 1/min	Limiting speed
n _{gr}	5,100 1/min	Reference speed
≈m	2.413 kg	Weight

Mounting dimensions

d _{a min}	77 mm	Minimum diameter shaft shoulder
D _{a max}	128 mm	Maximum diameter of housing shoulder
r _{a max}	2.1 mm	Maximum fillet radius

Dimensions

r _{min}	2.1 mm	Minimum chamfer dimension
D ₁	118.2 mm	Shoulder diameter outer ring
d ₁	92.68 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0.23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.74	Dynamic axial load factor
Y ₂	4.25	Dynamic axial load factor
Y ₀	2.88	Static axial load factor