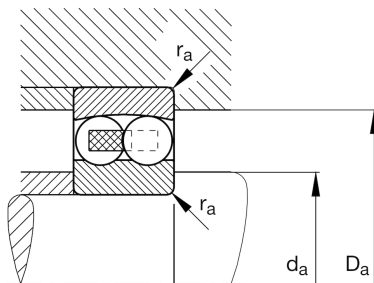
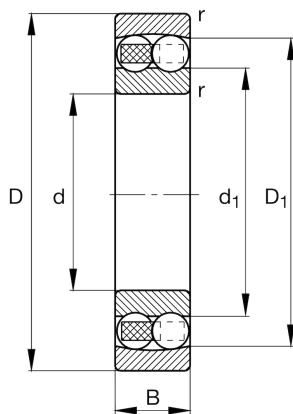


**FAG****2310-TVH**

Self-aligning ball bearing

Self-aligning ball bearing 23..-TVH, plastic cage

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C _r	66.000 N	Basic dynamic load rating, radial
C _{0r}	20.200 N	Basic static load rating, radial
C _{ur}	1.280 N	Fatigue load limit, radial
n _G	6.300 1/min	Limiting speed
n _{gr}	7.600 1/min	Reference speed
≈m	1,622 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	91,44 mm	Shoulder diameter outer ring
d ₁	65,86 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,46	Dynamic axial load factor
Y ₂	2,27	Dynamic axial load factor
Y ₀	1,53	Static axial load factor