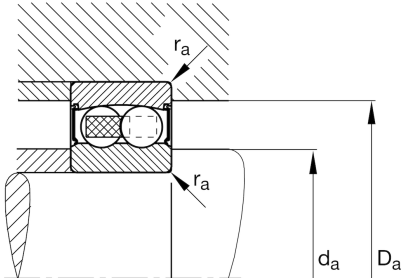
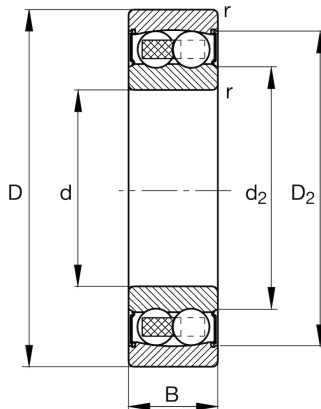
**FAG****2205-2RS-TVH**

Self-aligning ball bearing

Self-aligning ball bearing 22...-2RS-TVH,
seals, plastic cage

Technical information



Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	12,300 N	Basic dynamic load rating, radial
C _{0r}	3,300 N	Basic static load rating, radial
C _{ur}	209 N	Fatigue load limit, radial
n _G	8,500 1/min	Limiting speed
≈m	0.155 kg	Weight

Mounting dimensions

d _{a min}	30.6 mm	Minimum diameter shaft shoulder
D _{a max}	46.4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	43.596 mm	Shoulder diameter outer ring
D ₂	45.27 mm	Caliber diameter outer ring
d ₁	32.9 mm	Shoulder diameter inner ring
d ₂	30.7 mm	Caliber diameter inner ring

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

Calculation factors

e	0.27	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.36	Dynamic axial load factor
Y ₂	3.65	Dynamic axial load factor
Y ₀	2.47	Static axial load factor