

FAG

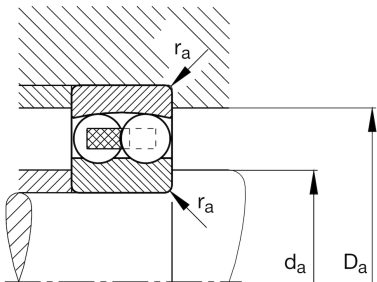
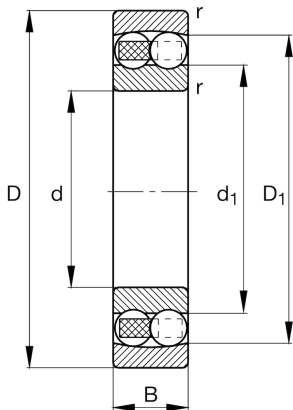
1301-TVH

Self-aligning ball bearing

Materiálové číslo Schaeffler:
0190000490000

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

Technické informace



Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C _r	9.800 N	Basic dynamic load rating, radial
C _{0r}	2.160 N	Basic static load rating, radial
C _{ur}	137 N	Fatigue load limit, radial
n _G	22.300 1/min	Limiting speed
n _{gr}	16.200 1/min	Reference speed
	0,06 kg	{Hmotnost}

Mounting dimensions

d _{a min}	17,6 mm	Minimum diameter shaft shoulder
D _{a max}	31,4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	29,7 mm	Shoulder diameter outer ring
d ₁	20,3 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,8	Dynamic axial load factor
Y ₂	2,79	Dynamic axial load factor
Y ₀	1,89	Static axial load factor