

FAG

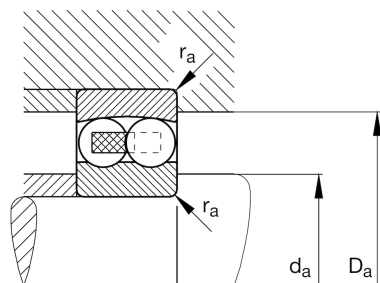
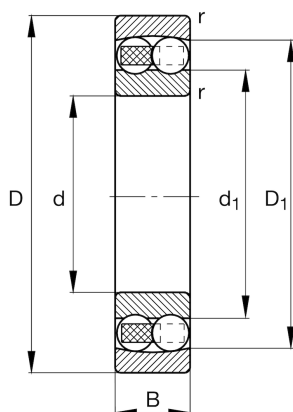
★ 1200-TVH

Self-aligning ball bearing

Schaeffler ID:
0167002280000Self-aligning ball bearing 12..-TVH, plastic
cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	0,033 kg	Weight

Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	30 mm	Outside diameter
B	9 mm	Width
r_{min}	0,6 mm	Minimum chamfer dimension
C_r	5.700 N	Basic dynamic load rating, radial
C_{0r}	1.190 N	Basic static load rating, radial
C_{ur}	76 N	Fatigue load limit, radial
n_G	29.500 1/min	Limiting speed
n_{gr}	22.100 1/min	Reference speed

Dimensions

D_1	23,3 mm	Shoulder diameter outer ring
d_1	16,3 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	14,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	25,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	0,6 mm	Maximum fillet radius

Calculation factors

e	0,32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,96	Dynamic axial load factor
Y_2	3,03	Dynamic axial load factor
Y_0	2,05	Static axial load factor