



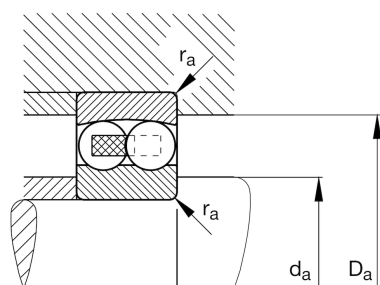
FAG

127-TVH

Self-aligning ball bearing

Schaeffler ID:
0190000300000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	7 mm	Bore diameter
D	22 mm	Outside diameter
B	7 mm	Width
r_{\min}	0.3 mm	Minimum chamfer dimension
C_r	2,750 N	Basic dynamic load rating, radial
C_{0r}	560 N	Basic static load rating, radial
C_{ur}	35.5 N	Fatigue load limit, radial
n_G	39,000 1/min	Limiting speed
n_{gr}	26,500 1/min	Reference speed
	0.014 kg	Weight

Dimensions

D_1	17.1 mm	Shoulder diameter outer ring
d_1	12.4 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	9.4 mm	Minimum diameter shaft shoulder
$D_{a \max}$	19.6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.3 mm	Maximum fillet radius

Calculation factors

e	0.33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.93	Dynamic axial load factor
Y_2	2.98	Dynamic axial load factor
Y_0	2.02	Static axial load factor

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.