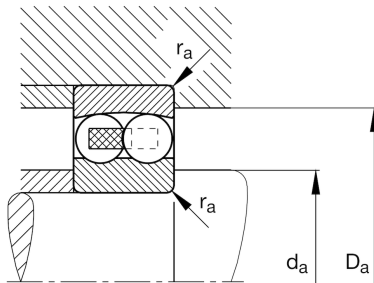
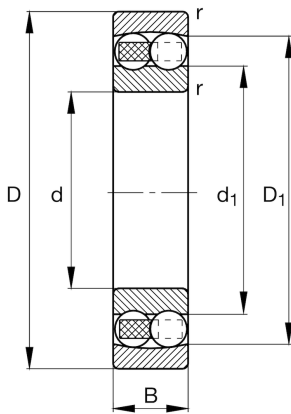


**FAG****127-TVH**

Self-aligning ball bearing

Self-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
$C_r$	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
$\approx m$	0,014 kg	Weight

**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

**Dimensions**

$r_{\min}$	0,3 mm	Minimum chamfer dimension
$D_1$	17,14 mm	Shoulder diameter outer ring
$d_1$	12,4 mm	Shoulder diameter inner ring

**Temperature range**

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

**Calculation factors**

e	0,33	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