

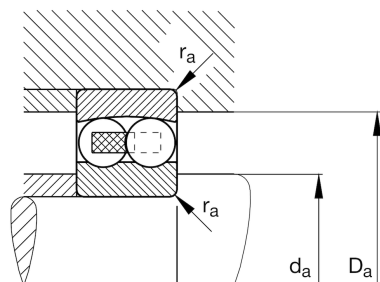
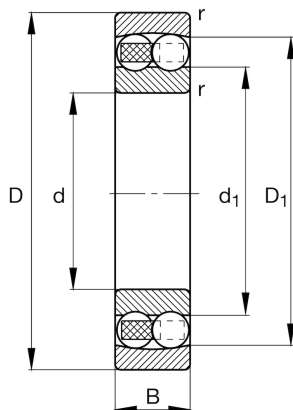
FAG

**1214-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167004490000Self-aligning ball bearing 12..-TVH, plastic  
cage

## Technical information

**Main Dimensions & Performance Data**

d	[70] mm	Bore diameter
D	[125] mm	Outside diameter
B	[24] mm	Width
$C_r$	[35.000] N	Basic dynamic load rating, radial
$C_{0r}$	[13.800] N	Basic static load rating, radial
$C_{ur}$	[880] N	Fatigue load limit, radial
$n_G$	[6.200] 1/min	Limiting speed
$n_{gr}$	[5.900] 1/min	Reference speed
	[1,25] kg	Weight

**Mounting dimensions**

$d_{a \min}$	[79] mm	Minimum diameter shaft shoulder
$D_{a \max}$	[116] mm	Maximum diameter of housing shoulder
$r_{a \max}$	[1,5] mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	[1,5] mm	Minimum chamfer dimension
$D_1$	[106,1] mm	Shoulder diameter outer ring
$d_1$	[87,2] mm	Shoulder diameter inner ring

**Temperature range**

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

**Calculation factors**

e	[0,19]	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	[3,37]	Dynamic axial load factor
$Y_2$	[5,22]	Dynamic axial load factor
$Y_0$	[3,53]	Static axial load factor