

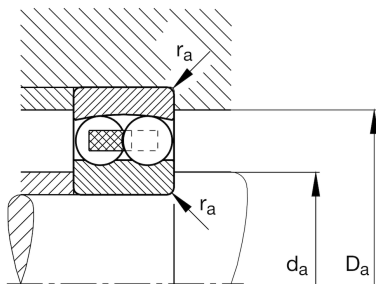
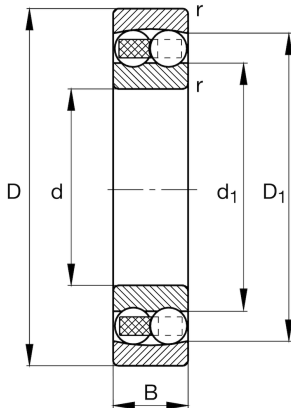
FAG

1216-TVH

Self-aligning ball bearing

Schaeffler ID:
0167004900000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	[80] mm	Bore diameter
D	[140] mm	Outside diameter
B	[26] mm	Width
C_r	[40.000] N	Basic dynamic load rating, radial
C_{0r}	[17.000] N	Basic static load rating, radial
C_{ur}	[1.020] N	Fatigue load limit, radial
n_G	[5.300] 1/min	Limiting speed
n_{gr}	[5.100] 1/min	Reference speed
	[1,65] kg	Weight

Mounting dimensions

$d_{a \min}$	[91] mm	Minimum diameter shaft shoulder
$D_{a \max}$	[129] mm	Maximum diameter of housing shoulder
$r_{a \max}$	[2] mm	Maximum fillet radius

Dimensions

r_{\min}	[2] mm	Minimum chamfer dimension
D_1	[122,1] mm	Shoulder diameter outer ring
d_1	[102] mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	[0,16]	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	[3,93]	Dynamic axial load factor
Y_2	[6,08]	Dynamic axial load factor
Y_0	[4,12]	Static axial load factor