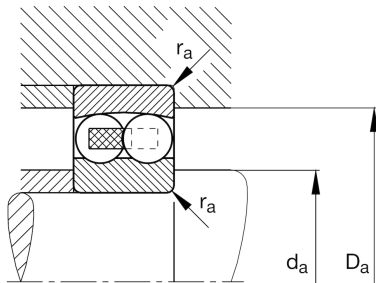
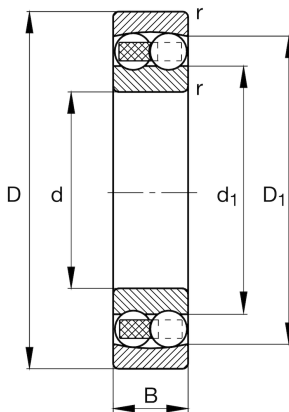
**FAG**★ **1216-TVH**

Self-aligning ball bearing

Schaeffler ID:
0167004900000Self-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.
	1,65 kg	Weight

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
r_{min}	2 mm	Minimum chamfer dimension
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

Dimensions

D_1	122,1 mm	Shoulder diameter outer ring
d_1	102 mm	Shoulder diameter inner ring

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

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