

FAG

## ★ 1202-TVH

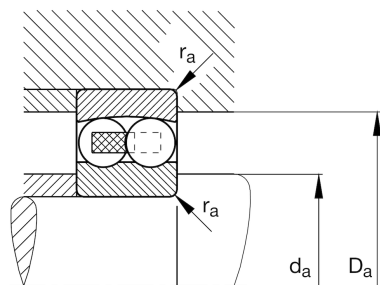
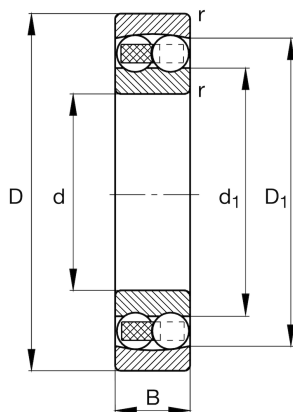
Self-aligning ball bearing

Schaeffler ID:  
0167002440000

Self-aligning ball bearing 12..-TVH, plastic cage

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
$r_{\min}$	0,6 mm	Minimum chamfer dimension
$C_r$	7.700 N	Basic dynamic load rating, radial
$C_{0r}$	1.750 N	Basic static load rating, radial
$C_{ur}$	111 N	Fatigue load limit, radial
$n_G$	23.800 1/min	Limiting speed
$n_{gr}$	19.100 1/min	Reference speed
	0,047 kg	Weight

## Dimensions

$D_1$	28,8 mm	Shoulder diameter outer ring
$d_1$	20,2 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	19,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,6 mm	Maximum fillet radius

## Calculation factors

e	0,34	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,86	Dynamic axial load factor
$Y_2$	2,88	Dynamic axial load factor
$Y_0$	1,95	Static axial load factor

## Temperature range

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