

FAG

## ★ 1307-TVH

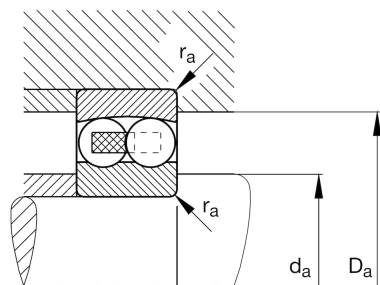
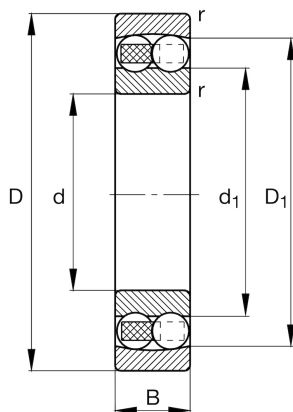
Self-aligning ball bearing

Schaeffler ID:  
0167007160000

Self-aligning ball bearing 13..-TVH, plastic cage

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$C_r$	25.500 N	Basic dynamic load rating, radial
$C_{0r}$	7.900 N	Basic static load rating, radial
$C_{ur}$	500 N	Fatigue load limit, radial
$n_G$	9.700 1/min	Limiting speed
$n_{gr}$	7.800 1/min	Reference speed
	0,496 kg	Weight

## Dimensions

$D_1$	70,1 mm	Shoulder diameter outer ring
$d_1$	51,3 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	44 mm	Minimum diameter shaft shoulder
$D_{a\max}$	71 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1,5 mm	Maximum fillet radius

## Calculation factors

e	0,26	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,46	Dynamic axial load factor
$Y_2$	3,8	Dynamic axial load factor
$Y_0$	2,57	Static axial load factor

## Temperature range

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