



FAG

## ★ 1308-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167007320000

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

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$C_r$	30.000 N	Basic dynamic load rating, radial
$C_{0r}$	9.700 N	Basic static load rating, radial
$C_{ur}$	610 N	Fatigue load limit, radial
$n_G$	8.600 1/min	Limiting speed
$n_{gr}$	7.200 1/min	Reference speed
	0,715 kg	Weight

## Dimensions

$D_1$	74,7 mm	Shoulder diameter outer ring
$d_1$	57,8 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	49 mm	Minimum diameter shaft shoulder
$D_{a\max}$	81 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1,5 mm	Maximum fillet radius

## Calculation factors

e	0,25	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,51	Dynamic axial load factor
$Y_2$	3,88	Dynamic axial load factor
$Y_0$	2,63	Static axial load factor

## Temperature range

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