



FAG

## ★ 1208-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167003410000Self-aligning ball bearing 12..-TVH, plastic  
cage

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
$r_{\min}$	1,1 mm	Minimum chamfer dimension
$C_r$	19.400 N	Basic dynamic load rating, radial
$C_{0r}$	6.500 N	Basic static load rating, radial
$C_{ur}$	415 N	Fatigue load limit, radial
$n_G$	10.100 1/min	Limiting speed
$n_{gr}$	8.600 1/min	Reference speed
	0,415 kg	Weight

## Dimensions

$D_1$	67,3 mm	Shoulder diameter outer ring
$d_1$	54 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a\min}$	47 mm	Minimum diameter shaft shoulder
$D_{a\max}$	73 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

## Calculation factors

e	0,22	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,91	Dynamic axial load factor
$Y_2$	4,51	Dynamic axial load factor
$Y_0$	3,05	Static axial load factor

## Temperature range

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