



FAG

## ★ 2308-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167073380000Self-aligning ball bearing 23...-TVH, plastic  
cage

★ Preferred product

## Technical information



## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.
	0,925 kg	Weight

## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	33 mm	Width
$r_{min}$	1,5 mm	Minimum chamfer dimension
$C_r$	46.000 N	Basic dynamic load rating, radial
$C_{0r}$	13.500 N	Basic static load rating, radial
$C_{ur}$	860 N	Fatigue load limit, radial
$n_G$	7.900 1/min	Limiting speed
$n_{gr}$	8.700 1/min	Reference speed

## Dimensions

$D_1$	74,5 mm	Shoulder diameter outer ring
$d_1$	53,7 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	0,43	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,46	Dynamic axial load factor
$Y_2$	2,25	Dynamic axial load factor
$Y_0$	1,52	Static axial load factor