



FAG

## ★ 2208-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167028830000Self-aligning ball bearing 22...-TVH, plastic  
cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.
	0,505 kg	Weight

## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	23 mm	Width
$r_{\min}$	1,1 mm	Minimum chamfer dimension
$C_r$	32.500 N	Basic dynamic load rating, radial
$C_{0r}$	9.500 N	Basic static load rating, radial
$C_{ur}$	600 N	Fatigue load limit, radial
$n_G$	8.900 1/min	Limiting speed
$n_{gr}$	8.700 1/min	Reference speed

## Dimensions

$D_1$	70,2 mm	Shoulder diameter outer ring
$d_1$	52,5 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	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
$Y_1$	2,43	Dynamic axial load factor
$Y_2$	3,76	Dynamic axial load factor
$Y_0$	2,55	Static axial load factor