



FAG

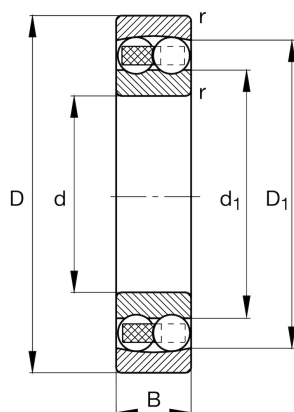
## ★ 1214-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167004490000Self-aligning ball bearing 12..-TVH, plastic  
cage

★ Preferred product

## Technical information



## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.
	1,25 kg	Weight

## Main Dimensions &amp; Performance Data

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
$r_{min}$	1,5 mm	Minimum chamfer dimension
$C_r$	35.000 N	Basic dynamic load rating, radial
$C_{0r}$	13.800 N	Basic static load rating, radial
$C_{ur}$	880 N	Fatigue load limit, radial
$n_G$	6.200 1/min	Limiting speed
$n_{gr}$	5.900 1/min	Reference speed

## Dimensions

$D_1$	106,1 mm	Shoulder diameter outer ring
$d_1$	87,2 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a min}$	79 mm	Minimum diameter shaft shoulder
$D_{a max}$	116 mm	Maximum diameter of housing shoulder
$r_{a max}$	1,5 mm	Maximum fillet radius

## Calculation factors

e	0,19	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,37	Dynamic axial load factor
$Y_2$	5,22	Dynamic axial load factor
$Y_0$	3,53	Static axial load factor