

FAG

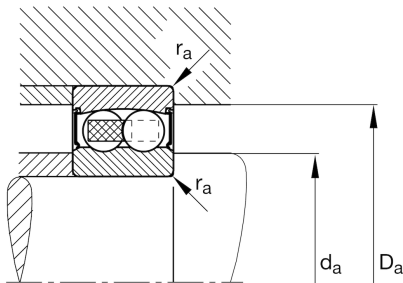
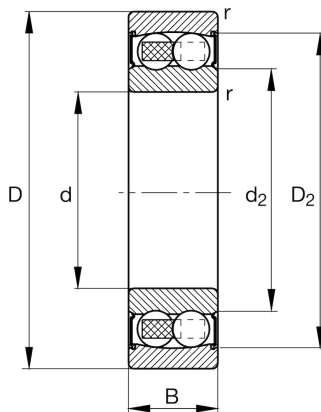
## ★ 2309-2RS-TVH

Self-aligning ball bearing

Schaeffler ID:  
0167073460000Self-aligning ball bearing 23...-2RS-TVH,  
seals, plastic cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.
	1,299 kg	Weight

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$C_r$	38.500 N	Basic dynamic load rating, radial
$C_{0r}$	12.700 N	Basic static load rating, radial
$C_{ur}$	810 N	Fatigue load limit, radial
$n_G$	4.200 1/min	Limiting speed

## Dimensions

$D_2$	85,8 mm	Caliber diameter outer ring
$d_2$	57,5 mm	Caliber diameter inner ring

## Mounting dimensions

$d_{a\min}$	54 mm	Minimum diameter shaft shoulder
$D_{a\max}$	91 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