

FAG

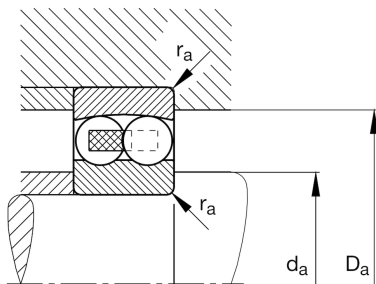
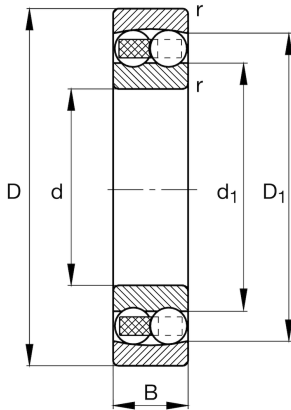
**1310-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167007750000

Self-aligning ball bearing 13..-TVH, plastic cage

## Technical information

**Dimensions**

$D_1$	91,7 mm	Shoulder diameter outer ring
$d_1$	71,2 mm	Shoulder diameter inner ring
	1,239 kg	Weight

**Main Dimensions & Performance Data**

$d$	50 mm	Bore diameter
$D$	110 mm	Outside diameter
$B$	27 mm	Width
$r_{\min}$	2 mm	Minimum chamfer dimension
$C_r$	42.000 N	Basic dynamic load rating, radial
$C_{0r}$	14.200 N	Basic static load rating, radial
$C_{ur}$	900 N	Fatigue load limit, radial
$n_G$	6.900 1/min	Limiting speed
$n_{gr}$	6.300 1/min	Reference speed

**Mounting dimensions**

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

**Calculation factors**

$e$	0,24	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,59	Dynamic axial load factor
$Y_2$	4,01	Dynamic axial load factor
$Y_0$	2,72	Static axial load factor

**Temperature range**

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