



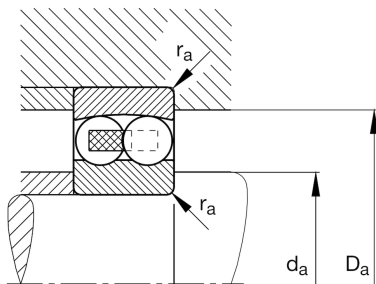
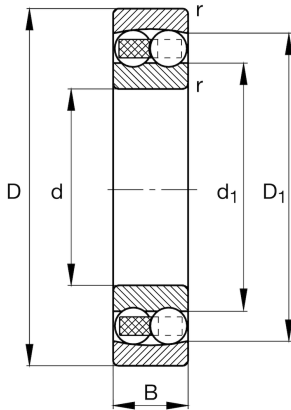
FAG

**1205-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167002870000Self-aligning ball bearing 12..-TVH, plastic  
cage

## Technical information

**Dimensions**

$D_1$	43,6 mm	Shoulder diameter outer ring
$d_1$	33,3 mm	Shoulder diameter inner ring
	0,135 kg	Weight

**Main Dimensions & Performance Data**

$d$	25 mm	Bore diameter
$D$	52 mm	Outside diameter
$B$	15 mm	Width
$r_{\min}$	1 mm	Minimum chamfer dimension
$C_r$	12.300 N	Basic dynamic load rating, radial
$C_{0r}$	3.300 N	Basic static load rating, radial
$C_{ur}$	209 N	Fatigue load limit, radial
$n_G$	15.500 1/min	Limiting speed
$n_{\vartheta r}$	13.400 1/min	Reference speed

**Mounting dimensions**

$d_{a \min}$	30,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

**Calculation factors**

$e$	0,27	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,36	Dynamic axial load factor
$Y_2$	3,65	Dynamic axial load factor
$Y_0$	2,47	Static axial load factor

**Temperature range**

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