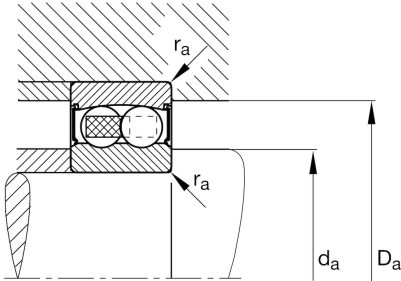
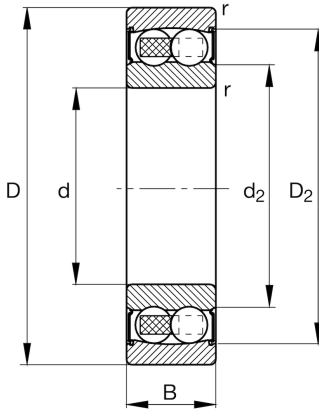
**FAG****2205-2RS-TVH-C3>N**

Self-aligning ball bearing

Self-aligning ball bearing 22...-2RS-TVH, seals, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
$C_r$	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
$n_G$	8.500 1/min	Limiting speed
$\approx m$	0,165 kg	Weight

**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

**Dimensions**

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	43,596 mm	Shoulder diameter outer ring
$D_2$	45,27 mm	Caliber diameter outer ring
$d_1$	32,9 mm	Shoulder diameter inner ring
$d_2$	30,7 mm	Caliber diameter inner ring

**Temperature range**

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

**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