

**FAG****2211-K-2RS-TVH-C3**

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-2RS-TVH,  
tapered bore taper 1:12, seals, plastic cage

## Technical information

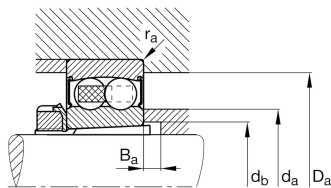
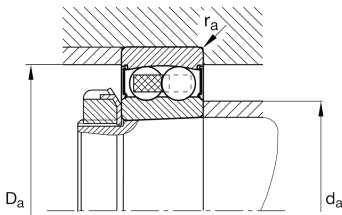


## Your current product variant

Bore type	K	Tapered, taper 1:12
Type of Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Lubricant	GA13	Ball bearing and insert bearing grease

## Main Dimensions &amp; Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
$C_r$	27.000 N	Basic dynamic load rating, radial
$C_{0r}$	10.000 N	Basic static load rating, radial
$C_{ur}$	630 N	Fatigue load limit, radial
$n_G$	3.900 1/min	Limiting speed
$\approx m$	0,792 kg	Weight





### Mounting dimensions

$d_{a \min}$	64 mm	Minimum diameter shaft shoulder
$d_{a \max}$	69 mm	Maximum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$d_{b \min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	86,44 mm	Shoulder diameter outer ring
$D_2$	88,21 mm	Caliber diameter outer ring
$d_1$	69,8 mm	Shoulder diameter inner ring
$d_2$	67,95 mm	Caliber diameter inner ring

### Temperature range

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

### Calculation factors

$e$	0,19	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,32	Dynamic axial load factor
$Y_2$	5,15	Dynamic axial load factor
$Y_0$	3,48	Static axial load factor

### Additional information

H311

Adapter sleeve



### Characteristics

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-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment