

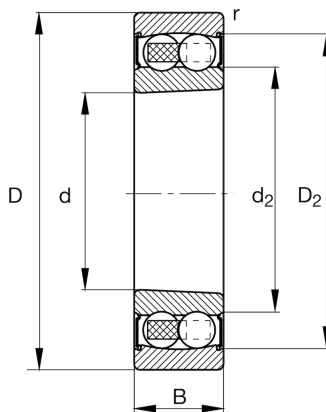
FAG

**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



## 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

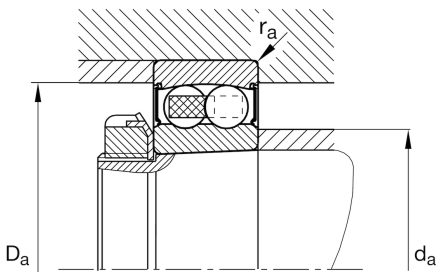
$d_{a \min}$	64 mm	Minimum diameter shaft shoulder
$d_{a \max}$	69 mm	Maximum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$d_{b \min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1,5 mm	Maximum fillet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