

FAG

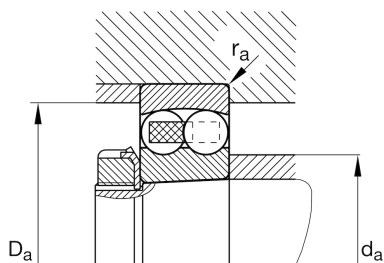
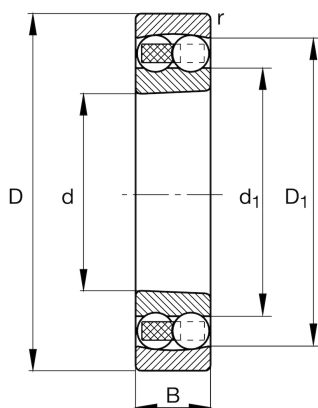
## ★ 1212-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:  
0389030080030Self-aligning ball bearing 12..-K-TVH,  
tapered bore taper 1:12, plastic cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.
	0,892 kg	Weight

## Main Dimensions &amp; Performance Data

$d$	60 mm	Bore diameter
$D$	110 mm	Outside diameter
$B$	22 mm	Width
$r_{\min}$	1,5 mm	Minimum chamfer dimension
$C_r$	30.500 N	Basic dynamic load rating, radial
$C_{0r}$	11.500 N	Basic static load rating, radial
$C_{ur}$	730 N	Fatigue load limit, radial
$n_G$	6.900 1/min	Limiting speed
$n_{gr}$	6.300 1/min	Reference speed

## Dimensions

$D_1$	95,2 mm	Shoulder diameter outer ring
$d_1$	78 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$d_{a \max}$	75 mm	Maximum diameter shaft shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$d_{b \min}$	64 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1,5 mm	Maximum fillet radius

**Calculation factors**

e	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H212	Adapter sleeve
Y <sub>1</sub>	3,47	Dynamic axial load factor
Y <sub>2</sub>	5,37	Dynamic axial load factor
Y <sub>0</sub>	3,64	Static axial load factor