



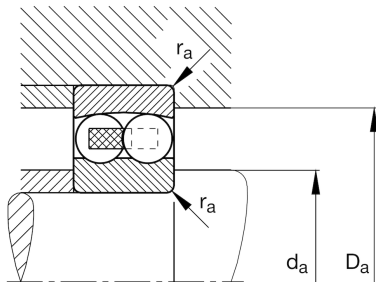
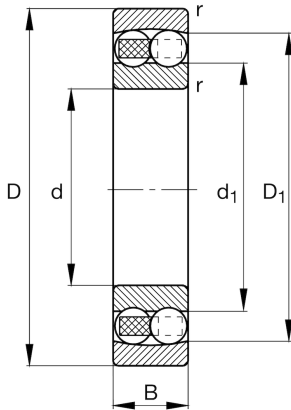
FAG

**2204-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167027000000Self-aligning ball bearings 22, main  
dimensions to DIN 630

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	18 mm	Width
$r_{\min}$	1 mm	Minimum chamfer dimension
$C_r$	14.700 N	Basic dynamic load rating, radial
$C_{0r}$	3.550 N	Basic static load rating, radial
$C_{ur}$	225 N	Fatigue load limit, radial
$n_G$	16.300 1/min	Limiting speed
$n_{gr}$	15.600 1/min	Reference speed
	0,133 kg	Weight

**Dimensions**

$D_1$	39,1 mm	Shoulder diameter outer ring
$d_1$	28 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	25,6 mm	Minimum diameter shaft shoulder
$d_{a\max}$	25,6 mm	Maximum diameter shaft shoulder
$D_{a\max}$	41,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

**Temperature range**

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

**Calculation factors**

e	0,44	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,45	Dynamic axial load factor
$Y_2$	2,24	Dynamic axial load factor
$Y_0$	1,51	Static axial load factor