



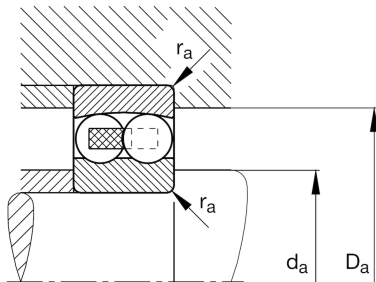
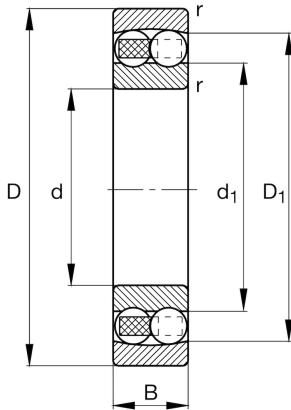
FAG

**2205-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167027430000Self-aligning ball bearing 22..-TVH, plastic  
cage

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
r <sub>min</sub>	1 mm	Minimum chamfer dimension
C <sub>r</sub>	17.300 N	Basic dynamic load rating, radial
C <sub>0r</sub>	4.450 N	Basic static load rating, radial
C <sub>ur</sub>	285 N	Fatigue load limit, radial
n <sub>G</sub>	14.400 1/min	Limiting speed
n <sub>gr</sub>	13.400 1/min	Reference speed
	0,155 kg	Weight

**Dimensions**

D <sub>1</sub>	44,4 mm	Shoulder diameter outer ring
d <sub>1</sub>	32,3 mm	Shoulder diameter inner ring

**Mounting dimensions**

d <sub>a min</sub>	30,6 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	46,4 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius

**Calculation factors**

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	1,78	Dynamic axial load factor
Y <sub>2</sub>	2,75	Dynamic axial load factor
Y <sub>0</sub>	1,86	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.