

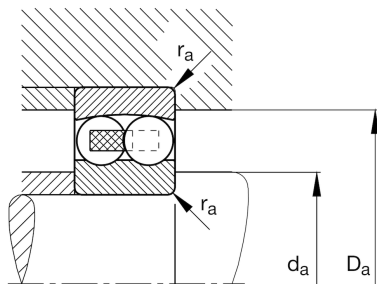
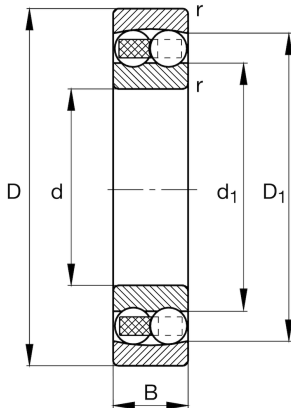
FAG

2200-TVH

Self-aligning ball bearing

Schaeffler ID:
0167026030000Self-aligning ball bearing 22..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	10 mm	Bore diameter
D	30 mm	Outside diameter
B	14 mm	Width
r_{\min}	0.6 mm	Minimum chamfer dimension
C_r	8,800 N	Basic dynamic load rating, radial
C_{0r}	1,740 N	Basic static load rating, radial
C_{ur}	111 N	Fatigue load limit, radial
n_G	25,500 1/min	Limiting speed
n_{gr}	26,000 1/min	Reference speed
	47 g	Weight

Dimensions

D_1	24 mm	Shoulder diameter outer ring
d_1	15.1 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	14.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	25.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

Calculation factors

e	0.58	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.09	Dynamic axial load factor
Y_2	1.68	Dynamic axial load factor
Y_0	1.14	Static axial load factor

Temperature range

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