



FAG

2204-TVH

Self-aligning ball bearing

Schaeffler ID:
0167027000000Self-aligning ball bearing 22..-TVH, plastic
cage

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
$D_{a\max}$	41.4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

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

Temperature range

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