



FAG

★ 2204-TVH

Self-aligning ball bearing

Schaeffler ID:
0167027000000

Self-aligning ball bearing 22...-TVH, plastic cage

★ Preferred product

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,133 kg	Weight

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

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