

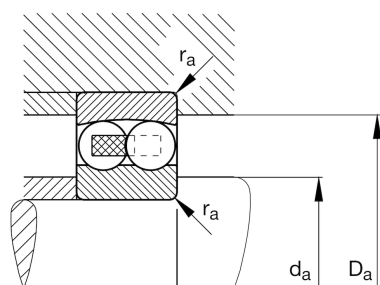
FAG

1204-TVH

Self-aligning ball bearing

Schaeffler ID:
0167002600000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
r_{\min}	1 mm	Minimum chamfer dimension
C_r	10,100 N	Basic dynamic load rating, radial
C_{0r}	2,600 N	Basic static load rating, radial
C_{ur}	166 N	Fatigue load limit, radial
n_G	18,100 1/min	Limiting speed
n_{gr}	15,300 1/min	Reference speed
	0.115 kg	Weight

Dimensions

D_1	37.8 mm	Shoulder diameter outer ring
d_1	29.2 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	0.28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.24	Dynamic axial load factor
Y_2	3.47	Dynamic axial load factor
Y_0	2.35	Static axial load factor

Temperature range

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