



FAG

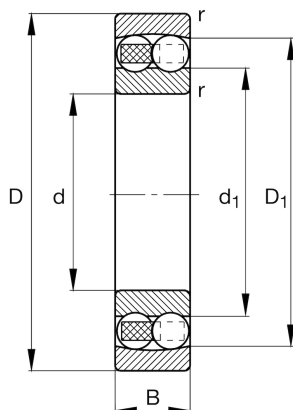
★ 1204-TVH

Self-aligning ball bearing

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

★ Preferred product

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,115 kg	Weight

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

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 Fa/Fr 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