



FAG

1208-TVH

Self-aligning ball bearing

Schaeffler ID:
0167003410000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
r_{\min}	1.1 mm	Minimum chamfer dimension
C_r	19,400 N	Basic dynamic load rating, radial
C_{0r}	6,500 N	Basic static load rating, radial
C_{ur}	415 N	Fatigue load limit, radial
n_G	10,100 1/min	Limiting speed
n_{gr}	8,600 1/min	Reference speed
	0.415 kg	Weight

Dimensions

D_1	67.3 mm	Shoulder diameter outer ring
d_1	54 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	47 mm	Minimum diameter shaft shoulder
$D_{a\max}$	73 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

e	0.22	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.91	Dynamic axial load factor
Y_2	4.51	Dynamic axial load factor
Y_0	3.05	Static axial load factor

Temperature range

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