



FAG

1308-TVH

Self-aligning ball bearing

Schaeffler ID:
0167007320000Self-aligning ball bearing 13..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
r_{\min}	1.5 mm	Minimum chamfer dimension
C_r	30,000 N	Basic dynamic load rating, radial
C_{0r}	9,700 N	Basic static load rating, radial
C_{ur}	610 N	Fatigue load limit, radial
n_G	8,600 1/min	Limiting speed
n_{gr}	7,200 1/min	Reference speed
	0.715 kg	Weight

Dimensions

D_1	74.7 mm	Shoulder diameter outer ring
d_1	57.8 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	49 mm	Minimum diameter shaft shoulder
$D_{a\max}$	81 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1.5 mm	Maximum fillet radius

Calculation factors

e	0.25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.51	Dynamic axial load factor
Y_2	3.88	Dynamic axial load factor
Y_0	2.63	Static axial load factor

Temperature range

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