

FAG

★ 1308-TVH

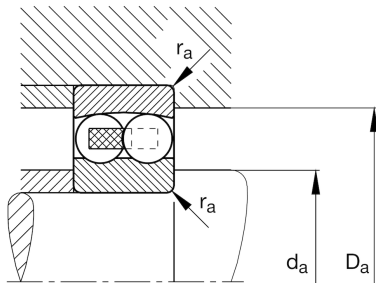
Self-aligning ball bearing

Schaeffler ID:
0167007320000

Self-aligning ball bearing 13..-TVH, plastic cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	0,715 kg	Weight

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

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