



FAG

★ 2305-TVH

Self-aligning ball bearing

Schaeffler ID:
0167070520000Self-aligning ball bearing 23...-TVH, plastic
cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	0,003 kg	Weight

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	24 mm	Width
r_{min}	1,1 mm	Minimum chamfer dimension
C_r	25.000 N	Basic dynamic load rating, radial
C_{0r}	6.600 N	Basic static load rating, radial
C_{ur}	420 N	Fatigue load limit, radial
n_G	12.200 1/min	Limiting speed
n_{gr}	11.900 1/min	Reference speed

Dimensions

D_1	49,9 mm	Shoulder diameter outer ring
d_1	35,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	32 mm	Minimum diameter shaft shoulder
$D_{a max}$	55 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum fillet radius

Calculation factors

e	0,48	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,32	Dynamic axial load factor
Y_2	2,04	Dynamic axial load factor
Y_0	1,38	Static axial load factor