



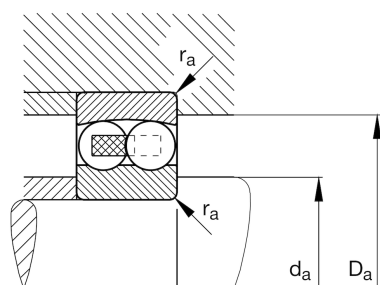
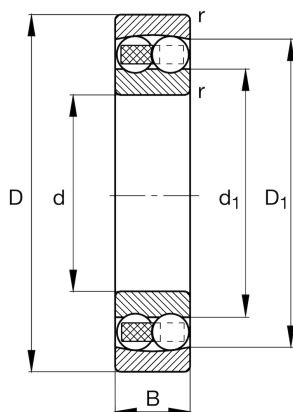
FAG

2313-TVH

Self-aligning ball bearing

Schaeffler ID:
0167079150000Self-aligning ball bearing 23...-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	65 mm	Bore diameter
D	140 mm	Outside diameter
B	48 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	98.000 N	Basic dynamic load rating, radial
C_{0r}	32.500 N	Basic static load rating, radial
C_{ur}	2.040 N	Fatigue load limit, radial
n_G	4.750 1/min	Limiting speed
n_{gr}	6.100 1/min	Reference speed
	3,23 kg	Weight

Dimensions

D_1	118,3 mm	Shoulder diameter outer ring
d_1	85,6 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	77 mm	Minimum diameter shaft shoulder
$D_{a\max}$	128 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,1 mm	Maximum fillet radius

Calculation factors

e	0,39	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,62	Dynamic axial load factor
Y_2	2,51	Dynamic axial load factor
Y_0	1,7	Static axial load factor

Temperature range

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