



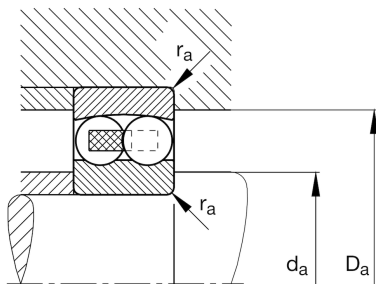
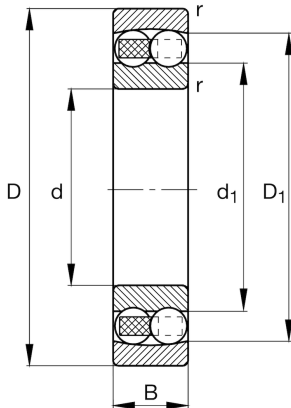
FAG

2313-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0167079150030Self-aligning ball bearing 23...-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	2,559 in	Bore diameter
D	5,512 in	Outside diameter
B	1,89 in	Width
C_r	22.032,374 lbf	Basic dynamic load rating, radial
C_{0r}	7.306,655 lbf	Basic static load rating, radial
C_{ur}	458,633 lbf	Fatigue load limit, radial
n_G	4.750 1/min	Limiting speed
n_{gr}	6.100 1/min	Reference speed
	6,81 lbs	{Weight}

Mounting dimensions

$d_{a \min}$	3,031 in	Minimum diameter shaft shoulder
$D_{a \max}$	5,039 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum fillet radius

Dimensions

r_{\min}	0,083 in	Minimum chamfer dimension
D_1	4,657 in	Shoulder diameter outer ring
d_1	3,37 in	Shoulder diameter inner ring

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	248 °F	Operating temperature max.

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