

FAG

★ 2310-TVH

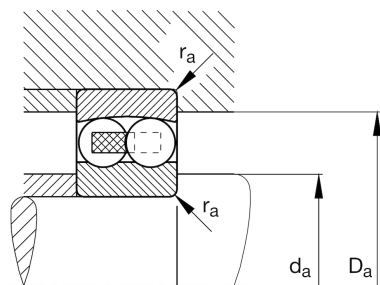
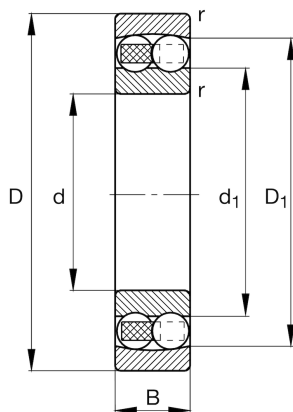
Self-aligning ball bearing

Schaeffler ID:
0190012820000

Self-aligning ball bearing 23...TVH, plastic cage

★ Preferred product

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	66.000 N	Basic dynamic load rating, radial
C_{0r}	20.200 N	Basic static load rating, radial
C_{ur}	1.280 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	7.600 1/min	Reference speed
	1,622 kg	Weight

Dimensions

D_1	91,4 mm	Shoulder diameter outer ring
d_1	65,9 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	61 mm	Minimum diameter shaft shoulder
$D_{a\max}$	99 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum fillet radius

Calculation factors

e	0,43	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,46	Dynamic axial load factor
Y_2	2,27	Dynamic axial load factor
Y_0	1,53	Static axial load factor

Temperature range

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