

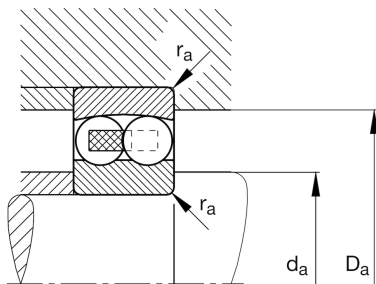
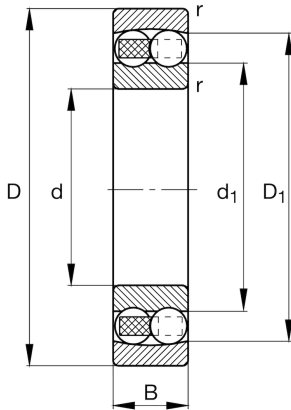
FAG

1218-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0190057330030Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	3,543 in	Bore diameter
D	6,299 in	Outside diameter
B	1,181 in	Width
C_r	12.814,748 lbf	Basic dynamic load rating, radial
C_{0r}	5.283,273 lbf	Basic static load rating, radial
C_{ur}	299,011 lbf	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
n_{gr}	4.850 1/min	Reference speed
	5,428 lbs	{Weight}

Mounting dimensions

$d_{a \min}$	3,976 in	Minimum diameter shaft shoulder
$D_{a \max}$	5,866 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,079 in	Maximum fillet radius

Dimensions

r_{\min}	0,079 in	Minimum chamfer dimension
D_1	5,461 in	Shoulder diameter outer ring
d_1	4,437 in	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,17	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,74	Dynamic axial load factor
Y_2	5,79	Dynamic axial load factor
Y_0	3,92	Static axial load factor