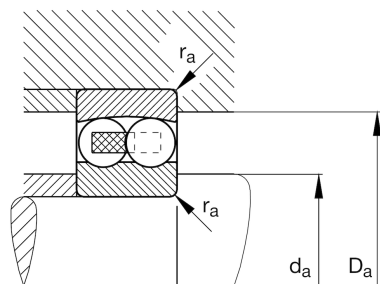


FAG**★ 1218-TVH**

Self-aligning ball bearing

Schaeffler ID:
0190057330000Self-aligning ball bearing 12..-TVH, plastic
cage**★ Preferred product**

Technical information

**Temperature range**

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	2,466 kg	Weight

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	30 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	57.000 N	Basic dynamic load rating, radial
C_{0r}	23.500 N	Basic static load rating, radial
C_{ur}	1.330 N	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
n_{9r}	4.850 1/min	Reference speed

Dimensions

D_1	138,7 mm	Shoulder diameter outer ring
d_1	112,7 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	101 mm	Minimum diameter shaft shoulder
$D_{a\max}$	149 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum fillet radius

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