

FAG

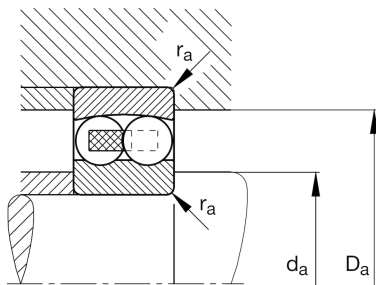
★ 1210-TVH

Self-aligning ball bearing

Schaeffler ID:
0167003840000Self-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.
	0,52 kg	Weight

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
r_{\min}	1,1 mm	Minimum chamfer dimension
C_r	22.900 N	Basic dynamic load rating, radial
C_{0r}	8.100 N	Basic static load rating, radial
C_{ur}	520 N	Fatigue load limit, radial
n_G	8.700 1/min	Limiting speed
n_{gr}	7.700 1/min	Reference speed

Dimensions

D_1	77,1 mm	Shoulder diameter outer ring
d_1	62,7 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	57 mm	Minimum diameter shaft shoulder
$D_{a \max}$	83 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Calculation factors

e	0,2	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,15	Dynamic axial load factor
Y_2	4,87	Dynamic axial load factor
Y_0	3,3	Static axial load factor