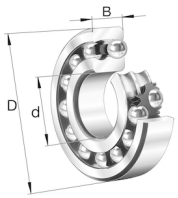
SCHAEFFLER



FAG

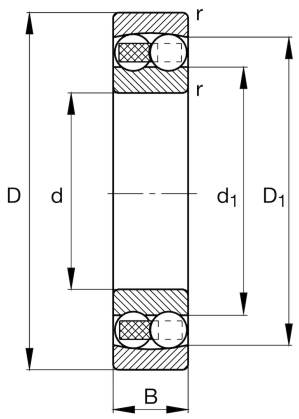
1210-TVH

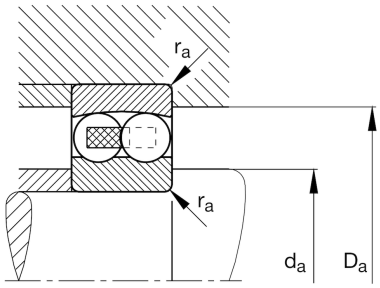
Self-aligning ball bearing

Schaeffler ID:
0167003840000

Self-aligning ball bearing 12..-TVH, plastic cage

Technical information





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
$n_{\vartheta r}$	7,700 1/min	Reference speed
	0.52 kg	Weight

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

Temperature range

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