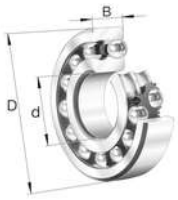
SCHAEFFLER



FAG

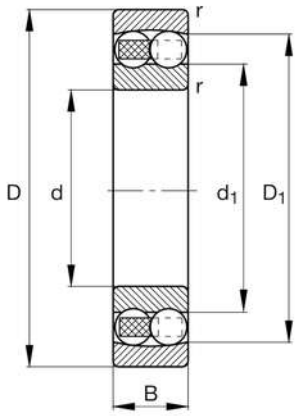
2210-TVH

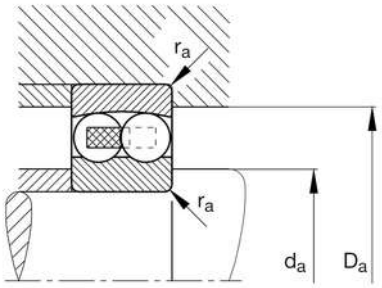
Self-aligning ball bearing

Schaeffler ID:
0167029720000

Self-aligning ball bearing 22..-TVH, plastic cage

Technical information





Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C_r	28.500 N	Basic dynamic load rating, radial
C_{0r}	9.500 N	Basic static load rating, radial
C_{ur}	600 N	Fatigue load limit, radial
n_G	8.100 1/min	Limiting speed
$n_{\vartheta r}$	7.100 1/min	Reference speed
	0,55 kg	Weight

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

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
D_1	80,5 mm	Shoulder diameter outer ring
d_1	64 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,62	Dynamic axial load factor
Y_2	4,06	Dynamic axial load factor
Y_0	2,75	Static axial load factor

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.