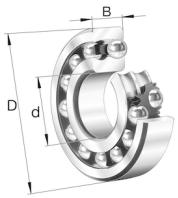
SCHAEFFLER



FAG

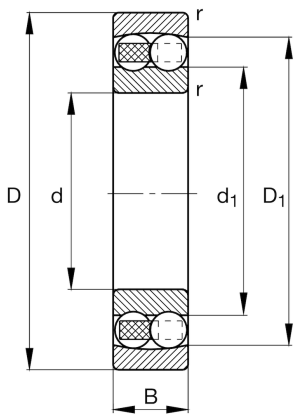
2202-TVH

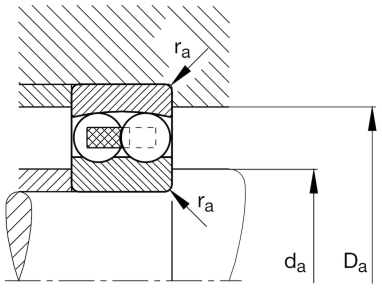
Self-aligning ball bearing

Schaeffler ID:
0167026540000

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

Technical information





Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	14 mm	Width
r_{min}	0,6 mm	Minimum chamfer dimension
C_r	9.600 N	Basic dynamic load rating, radial
C_{0r}	2.100 N	Basic static load rating, radial
C_{ur}	133 N	Fatigue load limit, radial
n_G	22.200 1/min	Limiting speed
$n_{\vartheta r}$	19.600 1/min	Reference speed
	0,057 kg	Weight

Dimensions

D_1	29,2 mm	Shoulder diameter outer ring
d_1	20,3 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\ min}$	19,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius

Calculation factors

e	0,46	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,37	Dynamic axial load factor
Y_2	2,13	Dynamic axial load factor
Y_0	1,44	Static axial load factor

Temperature range

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