

FAG

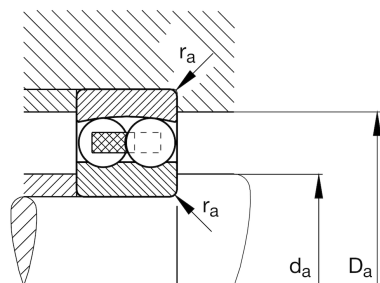
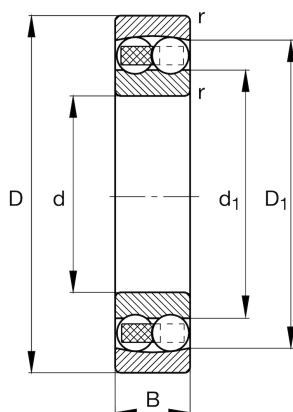
★ 1202-TVH

Self-aligning ball bearing

Schaeffler ID:
0167002440000Self-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.
	0,047 kg	Weight

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
r_{\min}	0,6 mm	Minimum chamfer dimension
C_r	7.700 N	Basic dynamic load rating, radial
C_{0r}	1.750 N	Basic static load rating, radial
C_{ur}	111 N	Fatigue load limit, radial
n_G	23.800 1/min	Limiting speed
n_{gr}	19.100 1/min	Reference speed

Dimensions

D_1	28,8 mm	Shoulder diameter outer ring
d_1	20,2 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	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,86	Dynamic axial load factor
Y_2	2,88	Dynamic axial load factor
Y_0	1,95	Static axial load factor