

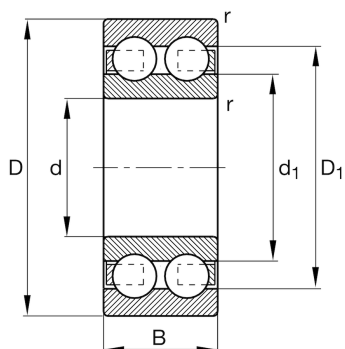
FAG

4205-BB-TVH

Deep groove ball bearing

Schaeffler ID:
0219434510000Deep groove ball bearing 42...BB-TVH,
double row, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C_r	22,900 N	Basic dynamic load rating, radial
C_{0r}	15,700 N	Basic static load rating, radial
C_{ur}	820 N	Fatigue load limit, radial
n_G	11,100 1/min	Limiting speed
n_{gr}	11,200 1/min	Reference speed
	0.159 kg	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	43.6 mm	Shoulder diameter outer ring
d_1	33.6 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	30.6 mm	Minimum diameter shaft shoulder
$D_{a max}$	46.4 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum fillet radius

Calculation factors

f_0	13.8	Calculation factor
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Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

