

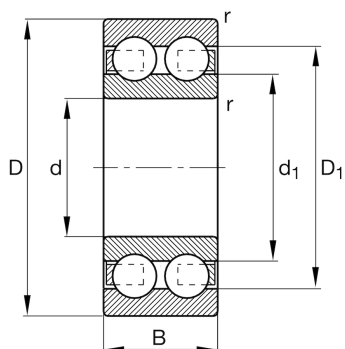
FAG

**4205-BB-TVH**

Deep groove ball bearing

Schaeffler ID:  
0219434510000Deep groove ball bearings 42..-BB-TVH,  
main dimensions to DIN 625-3, double row

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
$r_{\min}$	1 mm	Minimum chamfer dimension
$C_r$	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
	0,119 kg	Weight

**Dimensions**

$D_1$	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

**Temperature range**

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

**Calculation factors**

$f_0$	13,8	Calculation factor
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