

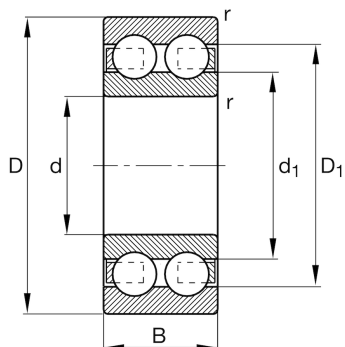
FAG

**4209-BB-TVH**

Deep groove ball bearing

Schaeffler ID:  
0219435080000Deep groove ball bearings 42..-BB-TVH,  
main dimensions to DIN 625-3, double row

## Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
$r_{\min}$	1,1 mm	Minimum chamfer dimension
$C_r$	44.500 N	Basic dynamic load rating, radial
$C_{0r}$	38.000 N	Basic static load rating, radial
$C_{ur}$	1.990 N	Fatigue load limit, radial
$n_G$	6.700 1/min	Limiting speed
$n_{gr}$	6.900 1/min	Reference speed
	0,54 kg	Weight

**Dimensions**

$D_1$	72,2 mm	Shoulder diameter outer ring
$d_1$	58,1 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	52 mm	Minimum diameter shaft shoulder
$D_{a\max}$	78 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**

$f_0$	14,9	Calculation factor
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