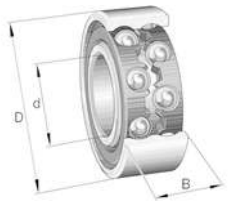
SCHAEFFLER



FAG

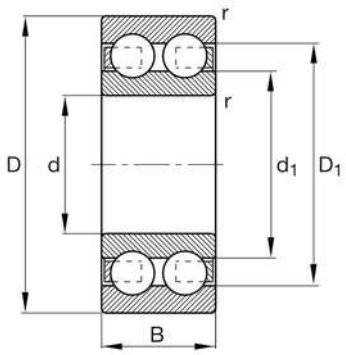
4205-BB-TVH

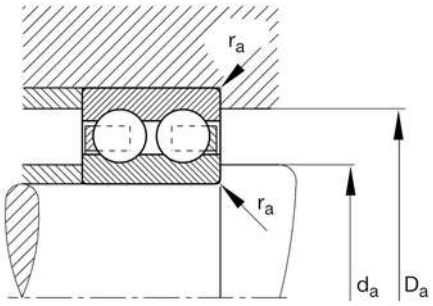
Deep groove ball bearing

Schaeffler ID:
0219434510000

Deep 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
$n_{\vartheta r}$	11.200 1/min	Reference speed
	0,159 kg	Weight

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

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

Temperature range

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

Calculation factors

f_0	13,8	Calculation factor

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.