

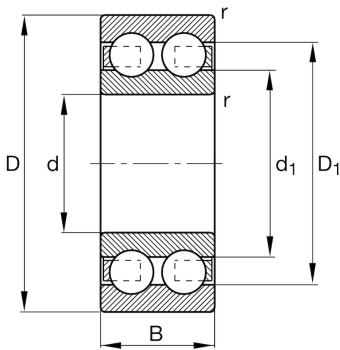
FAG

4207-BB-TVH

Deep groove ball bearing

Schaeffler ID:
0219434780000Deep groove ball bearing 42...BB-TVH,
double row, plastic cage

Technical information



Main Dimensions & Performance Data

d	1,378 in	Bore diameter
D	2,835 in	Outside diameter
B	0,906 in	Width
C_r	8.880,396 lbf	Basic dynamic load rating, radial
C_{0r}	6.744,604 lbf	Basic static load rating, radial
C_{ur}	352,968 lbf	Fatigue load limit, radial
n_G	7.900 1/min	Limiting speed
n_{gr}	8.700 1/min	Reference speed
	0,882 lbs	Weight

Mounting dimensions

$d_{a \min}$	1,654 in	Minimum diameter shaft shoulder
$D_{a \max}$	2,559 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,039 in	Maximum fillet radius

Dimensions

r_{\min}	0,043 in	Minimum chamfer dimension
D_1	2,378 in	Shoulder diameter outer ring
d_1	1,823 in	Shoulder diameter inner ring

Temperature range

T_{\min}	-4 °F	Operating temperature min.
T_{\max}	248 °F	Operating temperature max.

Calculation factors

f_0	14,1	Calculation factor
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