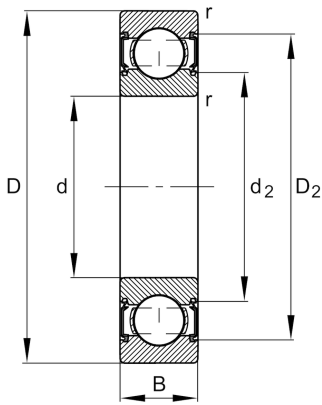


**FAG****6309-C-2HRS**

Deep groove ball bearing

Schaeffler ID:
0816674770000Deep groove ball bearing 63...-C-2HRS,
single row, Generation C, seals, steel
sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C_r	58.000 N	Basic dynamic load rating, radial
C_{0r}	31.500 N	Basic static load rating, radial
C_{ur}	2.200 N	Fatigue load limit, radial
n_G	6.400 1/min	Limiting speed
	0,834 kg	{Weight}

Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_2	86,37 mm	Caliber diameter outer ring
d_2	60,33 mm	Caliber diameter inner ring

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Calculation factors

f_0	12,9	Calculation factor
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