SCHAEFFLER



FAG

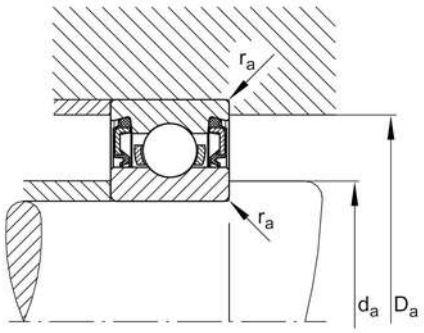
61816-2RZ-Y

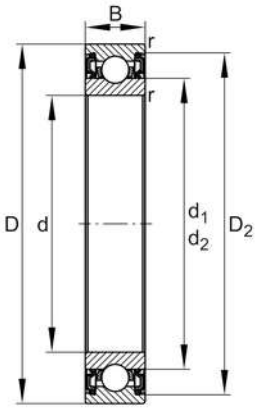
Deep groove ball bearing

Schaeffler ID:
0807194220000

Deep groove ball bearing 618..-2RZ-Y, single row, shields, brass sheet metal cage

Technical information





Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	100 mm	Outside diameter
B	10 mm	Width
C_r	13,800 N	Basic dynamic load rating, radial
C_{0r}	13,800 N	Basic static load rating, radial
C_{ur}	930 N	Fatigue load limit, radial
n_G	8,000 1/min	Limiting speed
$n_{\vartheta r}$	4,600 1/min	Reference speed
	155 g	Weight

Mounting dimensions

$d_{a\ min}$	83.2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	96.8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.6 mm	Maximum fillet radius

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_2	95.5 mm	Caliber diameter outer ring
d_1	86.6 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	16	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.