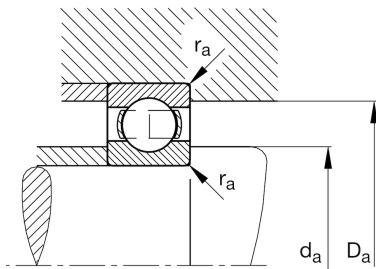
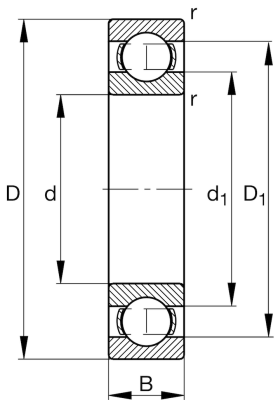


**FAG****61816-Y**

Deep groove ball bearing

Schaeffler ID:
0096197040000Deep groove ball bearing 618..-Y, single
row, 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	12.300 1/min	Limiting speed
n_{gr}	4.600 1/min	Reference speed
	0,155 kg	{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_1	93,57 mm	Shoulder diameter outer ring
d_1	86,6 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Calculation factors

f_0	16	Calculation factor
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