



**Bearing No. 6816ZNR**

a	1.7 mm
f	1.12 mm
b	1.3 mm
d	80 mm
D	100 mm
B	10 mm
C	10 mm
r1	0.5 mm
D2	104.4 mm
D1	97.9 mm
Width	10 mm
Weight	0.160 Kg
r min.	0.6 mm
b (min)	1.3 mm
r1 min.	0.5 mm
a (max)	1.7 mm
Cy (max)	2.5 mm
D1 (max)	97.9 mm
ra (max)	0.6 mm
Da (max)	96 mm
da (min)	84 mm
Dx (min)	106 mm
Factor fo	15.9
Bore Size	80 mm
Size (mm)	80x100x10
Bore Type	Cylindrical Bore
Enclosure	Single Shield with Snap Ring
Width (mm)	10
Configuration	Single Row

Bearing number	6816ZNR
Snap Ring Width	1.1 mm
Outside Diameter	100 mm
Radial Clearance	0.010 to 0.030 mm
Static Load Rating	13,300 N
Bore Diameter (mm)	80
Dynamic Load Rating	12,700 N
Outer Diameter (mm)	100
Limiting Speed - Oil	7,100 rpm
Fillet Radius/Chamfer	0.6 mm
Limiting Speed - Grease	6,000 rpm
Snap Ring Outside Diameter	104.4 mm
(Grease) Lubrication Speed	6000 r/min
Basic static load rating (C0)	13,3 kN
Basic dynamic load rating (C)	12,7 kN