



**Bearing No. 6816NR**

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

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