



**Bearing No. 6816N**

D	100 mm
d	80 mm
B	10 mm
C	10 mm
a	1.7 mm
b	1.3 mm
r1	0.5 mm
D1	97.9 mm
Width	10 mm
Weight	0.160 Kg
r min.	0.6 mm
r1 min.	0.5 mm
a (max)	1.7 mm
da (min)	84 mm
Cy (max)	2.5 mm
Da (max)	96 mm
Dx (min)	106 mm
ra (max)	0.6 mm
Factor fo	15.9
Bore Type	Cylindrical Bore
Enclosure	Open
Size (mm)	80x100x10
Bore Size	80 mm
Width (mm)	10
Groove Width	1.3 mm
Configuration	Single Row
Bearing number	6816N
Groove Diameter	97.9 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
(Grease) Lubrication Speed	6000 r/min
Basic static load rating (C0)	13,3 kN
Basic dynamic load rating (C)	12,7 kN