



6814NR Bearing 2D drawings and 3D CAD models

70 mm x 90 mm x 10 mm NACHI 6814NR  
deep groove ball bearings

Bearing No. 6814NR

Size	70x90x10 mm
Bore Diameter	70 mm
Outer Diameter	90 mm
Width	10 mm
d	70 mm
D	90 mm
B	10 mm
C	10 mm
a	1.7 mm
b	1.3 mm
f	1.12 mm
r min.	0.6 mm
r1 min.	0.5 mm
D1	87.9 mm
D2	94.4 mm
Weight	0.140 Kg
Basic dynamic load rating (C)	12,1 kN
Basic static load rating (C0)	11,9 kN
(Grease) Lubrication Speed	7000 r/min
Bore Type	Cylindrical Bore
Configuration	Single Row
Enclosure	Snap Ring Groove with Snap Ring
Bore Size	70 mm
Outside Diameter	90 mm



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Width	10 mm
Fillet Radius/Chamfer	0.6 mm
r1	0.5 mm
Snap Ring Width	1.1 mm
Snap Ring Outside Diameter	94.4 mm
D1 (max)	87.9 mm
a (max)	1.7 mm
b (min)	1.3 mm
Dynamic Load Rating	12,100 N
Static Load Rating	11,900 N
Limiting Speed - Grease	7,000 rpm
Limiting Speed - Oil	8,100 rpm
Factor fo	16.1
Radial Clearance	0.010 to 0.030 mm
da (min)	74 mm
Da (max)	86 mm
Dx (min)	96 mm
ra (max)	0.6 mm
Cy (max)	2.5 mm