

# NA4914 Needle Roller Bearing

This needle roller bearing is designed for applications with high dynamic and static loads. The inner ring serves as a hardened and ground roller raceway for applications in which the shaft cannot be used as a raceway.



## Product Overview

### High-Performance Needle Roller Bearing

The NA4914 is a precision-engineered needle roller bearing featuring a machined ring and an integrated inner ring. Constructed from through-hardened, high-carbon chromium steel, it offers exceptional durability, heat tolerance, and reliability under heavy loads. Its design is specifically optimized for applications where the shaft cannot be used directly as a raceway, making it ideal for gearboxes, pumps, and industrial machinery.

## Technical Specifications

Bore Diameter	70 mm
Outer Diameter	100 mm
Width/Depth	30 mm
Design Features	Machined Ring, Inner Ring Included, High-Carbon Chromium Steel, Through-Hardened

## Performance Metrics

### Load Capacity

**84200 N**

Dynamic Load

**163000 N**

Static Load

**20800 N**

Fatigue Limit

### Speed Limits

**5000 r/min**

Reference Speed

**5600 r/min**

Limiting Speed

## Logistics

Bearing Weight	0.728 KGS
Country of Origin	Sweden