



The Timken Company

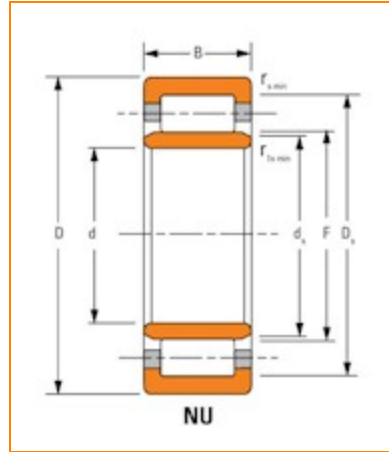
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Part Number NU2234EMA, Cylindrical Roller Radial Bearings - Single Row ISO



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Key Dimensions

Design Units	Metric
d - Bore	170 mm
Type	NU

Dimensions

D - Outer Diameter	310 mm 12.2047 in
C - Inner Ring Width	86 mm 3.3858 in
B - Outer Ring Width	86 mm 3.3858 in



Basic Load Ratings

C0 - Static Radial Rating	1420000 N 319000 lbf
C - Dynamic Radial Rating¹	1100000 N 247000 lbf

Factors

Reference Thermal Speed Rating (Grease)	1400 rpm
Reference Thermal Speed Rating (Oil)²	1600 rpm
Cg - Geometry Factor³	0.1359

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁴	3 mm 0.100 in
r - Outer Ring "To Clear" Radius⁵	3 mm 0.1 in
da - Inner Ring Backing Diameter	197 mm 7.8000 in

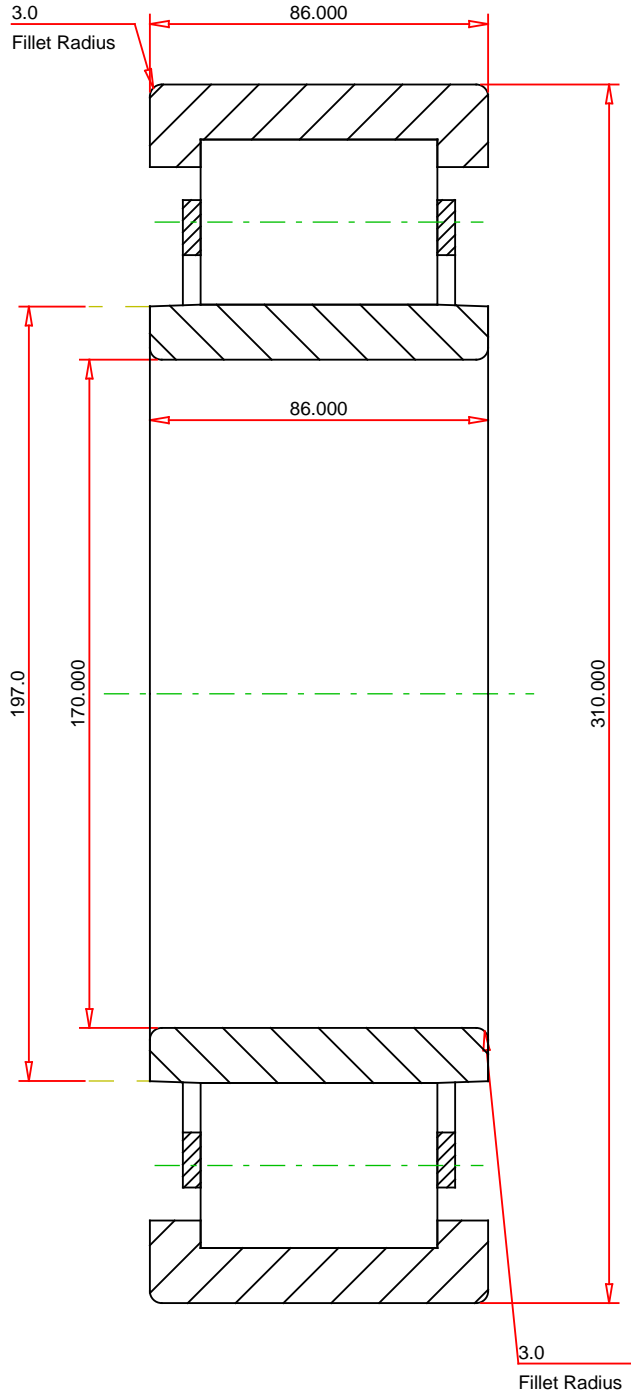
¹ Based on 1×10^6 L₁₀ life for the ISO life calculation method.

² See thermal speed ratings in the engineering section.

³ Geometry constant for Lubrication Life Adjustment Factor a₃l.

⁴ Maximum housing fillet radius that bearing corners will clear.

⁵ Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Rollers Per Row 17
 Bearing Weight 28.7 kg

TIMKEN®

NU2234EMA
 CYLINDRICAL ROLLER BEARING

THE TIMKEN COMPANY
 NORTH CANTON, OHIO USA

Dynamic Radial Rating 1100000 N
 Static Radial Rating 1420000 N

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

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