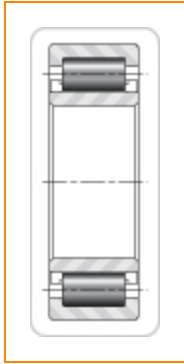




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Part Number NU2216EMA, Cylindrical Roller Radial Bearings - Single Row ISO



[Specifications](#) | [Dimensions](#) | [Basic Load Ratings](#) | [Factors](#) | [Abutment and Fillet Dimensions](#)

Specifications

Design Units	Metric
d - Bore	80 mm
Type	NU

Dimensions

D - Outer Diameter	140 mm 5.5118 in
C - Inner Ring Width	33 mm 1.2992 in
B - Outer Ring Width	33 mm 1.2992 in

Basic Load Ratings



C0 - Static Radial Rating	245000 N 55100 lbf
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C - Dynamic Radial Rating¹	208000 N 46800 lbf
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Factors

Reference Thermal Speed Rating (Grease)	2900 rpm
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Reference Thermal Speed Rating (Oil)²	3400 rpm
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Cg - Geometry Factor³	0.0846
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Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius⁴	2 mm 0.100 in
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r - Outer Ring "To Clear" Radius⁵	2 mm 0.1 in
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da - Inner Ring Backing Diameter	91 mm 3.6000 in
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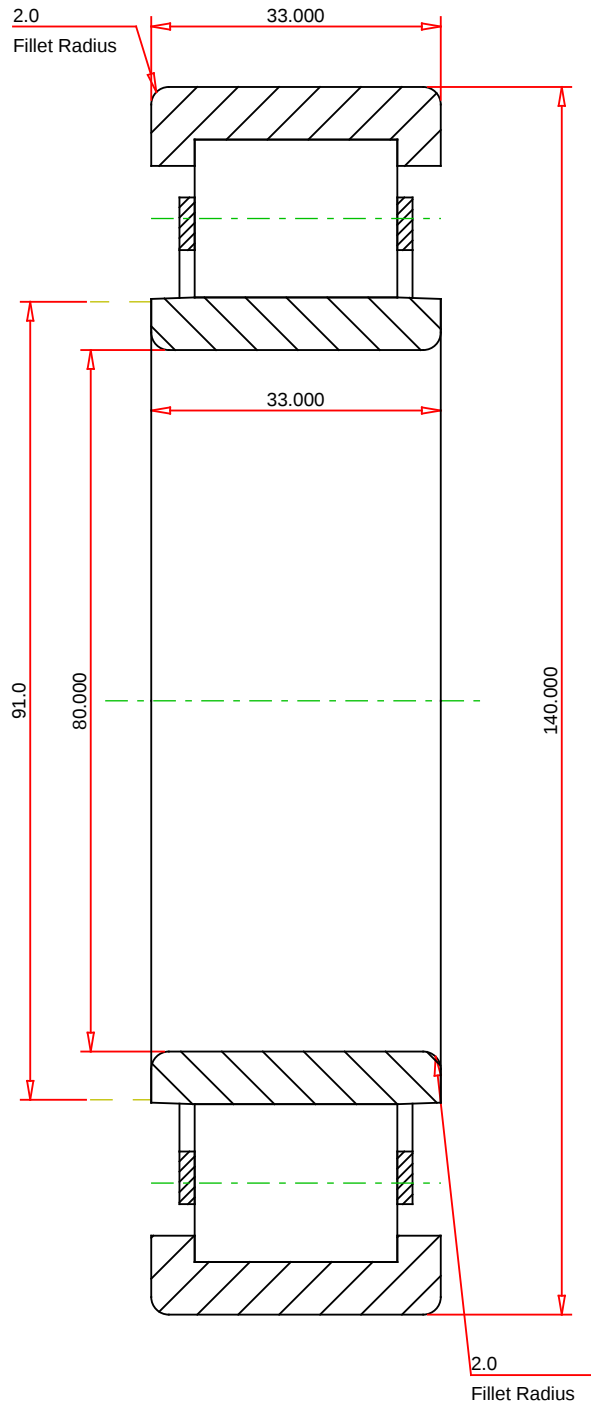
¹ Based on 1×10^6 L₁₀ life for the ISO life calculation method.

² See thermal speed ratings in the engineering section.

³ Geometry constant for Lubrication Life Adjustment Factor a3l.

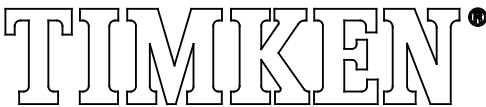
⁴ Maximum housing fillet radius that bearing corners will clear.

⁵ Maximum shaft fillet radius that bearing corners will clear.



METRIC UNITS

Number of Rollers Per Row	18
Bearing Weight	2.2 kg



THE TIMKEN COMPANY

NORTH CANTON, OHIO USA

NU2216EMA		
CYLINDRICAL ROLLER BEARING		
Dynamic Radial Rating	208000	N
Static Radial Rating	245000	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.

FOR DISCUSSION ONLY