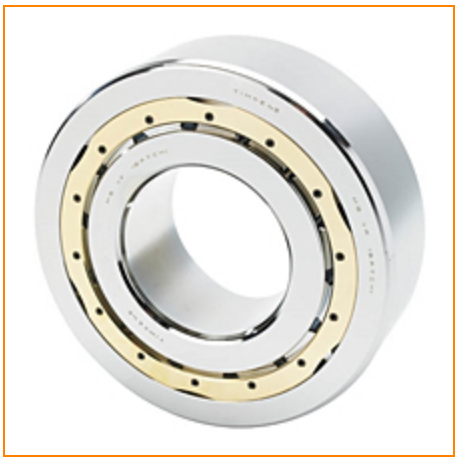
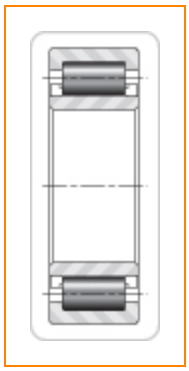
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number NU30/670, Cylindrical Roller Radial Bearings - Single Row ISO





Specifications | Dimensions | Basic Load Ratings | Factors | Abutment and Fillet Dimensions

Specifications

Design Units	Metric
d - Bore	670 mm
Type	NU

Dimensions

D - Outer Diameter	980 mm 38.5827 in
C - Inner Ring Width	230 mm 9.0551 in
B - Outer Ring Width	230 mm 9.0551 in

Basic Load Ratings

C0 - Static Radial Rating	14000000 N 3150000 lbf
C - Dynamic Radial Rating[1]	7510000 N 1690000 lbf

Factors

Reference Thermal Speed Rating (Grease)	210 rpm
Reference Thermal Speed Rating (Oil)[2]	230 rpm
Cg - Geometry Factor[3]	0.372

Abutment and Fillet Dimensions

R - Inner Ring "To Clear" Radius[4]	6 mm 0.200 in
r - Outer Ring "To Clear" Radius[5]	6 mm 0.200 in
da - Inner Ring Backing Diameter	725 mm 28.6000 in
Da - Outer Ring Backing Diameter	914 mm 36.0000 in

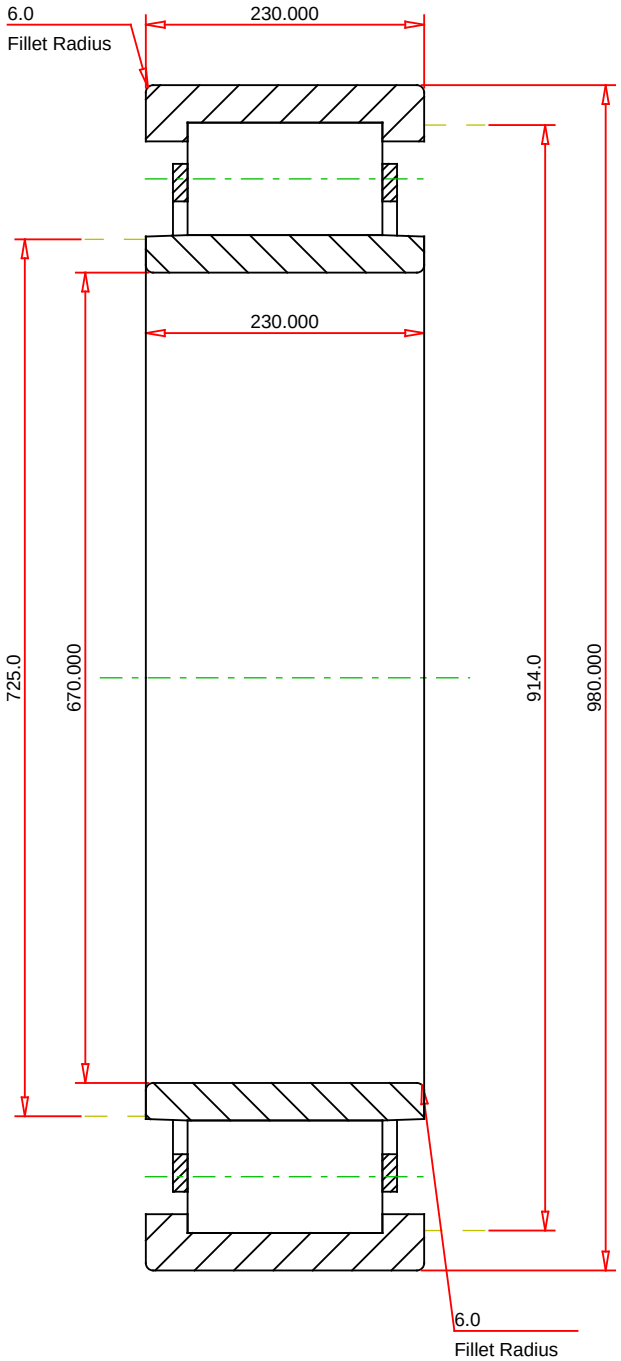
[1] Based on 1 X 10^6 L_{10} life for the ISO life calculation method.

[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	26	
Bearing Weight	608.0	kg

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

NU30/670
CYLINDRICAL ROLLER BEARING

Dynamic Radial Rating	7510000	N
Static Radial Rating	14000000	N

FOR DISCUSSION ONLY