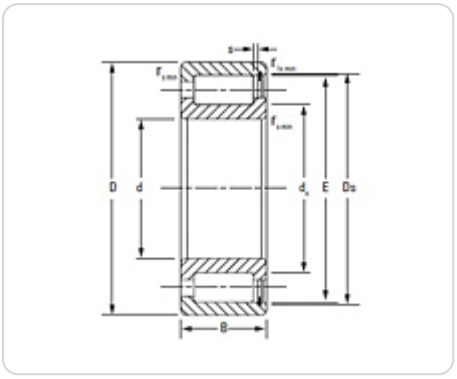
**The Timken Company**
4500 Mt Pleasant St. NW
N. Canton, OH 44720
**Phone:** (234) 262-3000
**E-Mail:** CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)



# Part Number NCF1876V, Cylindrical Roller Radial Bearings - Full Complement






## Key Features

- High radial load capacity
- Full-complement construction, no cage included
- Can manage axial loads in one direction and small axial displacement
- Sold as a completely unitized assembly
- Enhanced operational reliability due to optimized bearing design and reduced heat generation
- Long service life

# Key Dimensions

| | |
|---|---|
| **Bore (d)** | 380 mm |
| **O.D. (D)** | 480 mm<br>18.8976 in |
| **Width (B)** | 1.811 in<br>46 mm |
| **Dynamic Radial Load Rating - 1M Revs (C1)[1]** | 698000 N<br>157000 lbf |

# Other Dimensions

| | |
|---|---|
| **Weight** | 18.8 Kg<br>41.600 lb |
| **Shaft Backing Shoulder Dia.** | 405.3 mm<br>15.9600 in |
| **Housing Backing Shoulder Dia.** | 458.3 mm<br>18.0400 in |
| **Max Shaft Fillet Radius LF ID** | 0.060 in<br>1.5 mm |
| **Max Shaft Fillet Radius RF ID** | 2.1 in<br>0.080 mm |
| **Max Housing Fillet Radius LF OD** | 2.1 in<br>0.080 mm |
| **Max Housing Fillet Radius RF OD** | 0.060 in<br>1.5 mm |
| **DUR/DOR F/E** | 457.3 mm<br>18.0039 in |
| **Permissible Axial Displacement (S3)[2]** | 3.50 mm<br>0.138 in |

# Ratings

| | |
|---|---|
| **Static Radial Load Rating (C0)** | 1350000 N<br>304000 lbf |
| **Thermal Reference Speed - Oil** | 540 rpm |
| **Thermal Reference Speed - Grease** | 470 rpm |

# Factors

| | |
|---|---|
| **Geometry Factor (Cg)** | 0.193<br>0.1930 mm |

[1] Based on 1 x $10^6$ revolutions $L_{10}$ life, for the ISO life calculation method.

[2] Permissible axial displacement from normal position of one bearing ring in relation to the other.