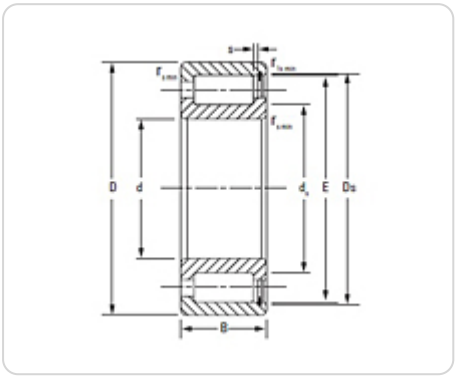
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NCF1852V, 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)	260 mm
O.D. (D)	320 mm 12.5984 in
Width (B)	1.1024 in 28 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	292000 N 65500 lbf

Other Dimensions

Weight	4.8 Kg 10.6 lb
Shaft Backing Shoulder Dia.	275 mm 10.8300 in
Housing Backing Shoulder Dia.	308 mm 12.1300 in
Max Shaft Fillet Radius LF ID	0.040 in 1.1 mm
Max Shaft Fillet Radius RF ID	2 in 0.080 mm
Max Housing Fillet Radius LF OD	2 in 0.080 mm
Max Housing Fillet Radius RF OD	0.040 in 1.1 mm
DUR/DOR F/E	307 mm 12.0866 in
Permissible Axial Displacement (S3)[2]	1.80 mm 0.071 in

Ratings

Static Radial Load Rating (C0)	553000 N 124000 lbf
Thermal Reference Speed - Oil	910 rpm
Thermal Reference Speed - Grease	760 rpm

Factors

Geometry Factor (Cg)	0.1400 0.1400 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.