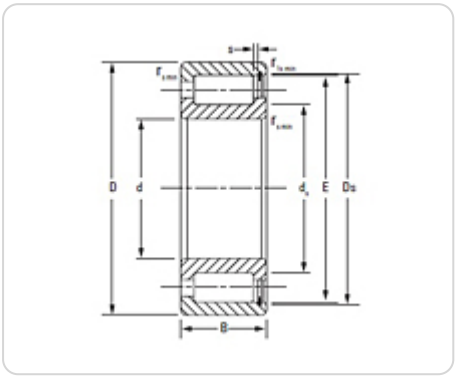
The Timken Company
4500 Mt Pleasant St. NW
N. Canton, OH 44720
Phone: (234) 262-3000
E-Mail: CustomerCAD@timken.com (mailto:CustomerCAD@timken.com) • **Web site:** www.timken.com (http://www.timken.com)

Part Number NCF1856V, 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)	280 mm
O.D. (D)	350 mm 13.7795 in
Width (B)	1.2992 in 33 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	344000 N 77400 lbf

Other Dimensions

Weight	7 Kg 15.3 lb
Shaft Backing Shoulder Dia.	297.8 mm 11.72 in
Housing Backing Shoulder Dia.	336.2 mm 13.24 in
Max Shaft Fillet Radius LF ID	0.079 in 2 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	0.079 in 2 mm
DUR/DOR F/E	333.8 mm 13.1417 in
Permissible Axial Displacement (S3)[2]	2.4 mm 0.095 in

Ratings

Static Radial Load Rating (C0)	646000 N 145000 lbf
Thermal Reference Speed - Oil	850 rpm
Thermal Reference Speed - Grease	720 rpm

Factors

Geometry Factor (Cg)	0.1449 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.