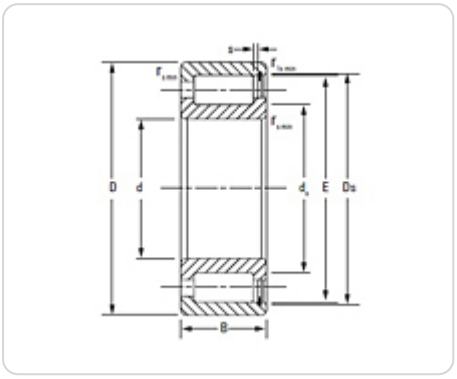
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Part Number NCF2936VC3, Cylindrical Roller Radial Bearings - Full Complement





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)	180 mm
O.D. (D)	250 mm 9.8425 in
Width (B)	1.6535 in 42 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	436000 N 98000 lbf

Other Dimensions

Weight	6.3 Kg 13.800 lb
Shaft Backing Shoulder Dia.	193.5 mm 7.6200 in
Housing Backing Shoulder Dia.	232.5 mm 9.1500 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	231.5 mm 9.1142 in
Permissible Axial Displacement (S3)[2]	2.50 mm 0.098 in

Ratings

Static Radial Load Rating (C0)	711000 N 160000 lbf
Thermal Reference Speed - Oil	1300 rpm
Thermal Reference Speed - Grease	1100 rpm

Factors

Geometry Factor (Cg)	0.123 0.1230 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.