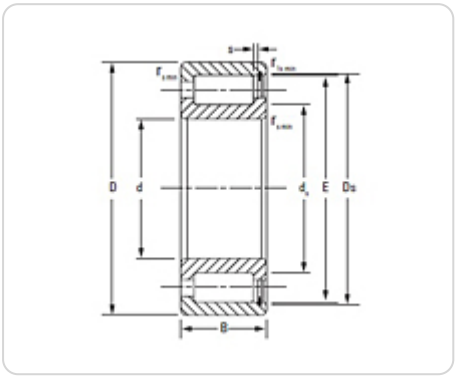
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Part Number NCF2944VC3, Cylindrical Roller Radial Bearings - Full Complement





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)	220 mm
O.D. (D)	300 mm 11.8110 in
Width (B)	1.8898 in 48 mm
Dynamic Radial Load Rating - 1M Revs (C1)[1]	615000 N 138000 lbf

Other Dimensions

Weight	9.8 Kg 21.700 lb
Shaft Backing Shoulder Dia.	238.1 mm 9.3700 in
Housing Backing Shoulder Dia.	284 mm 11.1800 in
Max Shaft Fillet Radius LF ID	0.060 in 1.5 mm
Max Shaft Fillet Radius RF ID	2.1 in 0.080 mm
Max Housing Fillet Radius LF OD	2.1 in 0.080 mm
Max Housing Fillet Radius RF OD	0.060 in 1.5 mm
DUR/DOR F/E	282.1 mm 11.1063 in
Permissible Axial Displacement (S3)[2]	1.95 mm 0.077 in

Ratings

Static Radial Load Rating (C0)	1070000 N 239000 lbf
Thermal Reference Speed - Oil	900 rpm
Thermal Reference Speed - Grease	800 rpm

Factors

Geometry Factor (Cg)	0.146 0.1460 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.