



BEARING TRADING DEVELOPMENT CO LLC



90 mm x 140 mm x 24 mm SNR 7018CVUJ74
angular contact ball bearings

Bearing No. 7018CVUJ74

7018CVUJ74 Bearing 2D drawings and 3D CAD models

Size	90x140x24 mm
Bore Diameter	90 mm
Outer Diameter	140 mm
Width	24 mm
d	90 mm
D	140 mm
B	24 mm
C	24 mm
Angle (°)	15 °
d1	105.8 mm
D1	124.2 mm
D2	131.61 mm
a	27 mm
Contact angle	15 °
rs min	1.5 mm
r1s min	0.6 mm
f0	15.74
Precision class	P4
Mass	1.16 kg
Dynamic load, C	71.7 kN
Static load, C0	69.2 kN
Fatigue limit load, Cu	3.45 kN
Nlim (oil)	15,000 rpm
Nlim (grease)	10,000 rpm
Axial displacement K Factor	0.96



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Preload level	7
Preload value	0.38 kN
Axial rigidity	109 N/ μ m
Radial rigidity	629 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.5 Hz
Characteristic outer ring frequency, BPF0	8.73 Hz
Characteristic inner ring frequency, BPFI	11.27 Hz
da min	98.5 mm
db min	98.5 mm
Da max	131.5 mm
Db max	131.5 mm
r1a max	0.6 mm
ra max	1.5 mm
D6	110.7 mm