



BEARINGS(UK)LTD.



200 mm x 310 mm x 51 mm SNR 7040HVUJ74
High precision angular contact ball bearings

Bearing No. 7040HVUJ74

7040HVUJ74 Bearing 2D drawings and 3D CAD models

Size	200x310x51 mm
Bore Diameter	200 mm
Outer Diameter	310 mm
Width	51 mm
d	200 mm
D	310 mm
B	51 mm
C	51 mm
Angle (°)	20 °
d1	235 mm
D1	275.03 mm
D2	292.14 mm
a	85 mm
Contact angle	25 °
rs min	2.1 mm
r1s min	1.1 mm
f0	15.95
Precision class	P4
Mass	12.15 kg
Dynamic load, C	262 kN
Static load, C0	337 kN
Fatigue limit load, Cu	11.8 kN
Nlim (oil)	6,300 rpm
Nlim (grease)	4,100 rpm
Axial displacement K Factor	0.34



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Preload level	7
Preload value	3.8 kN
Axial rigidity	657 N/ μ m
Radial rigidity	1,388 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.54 Hz
Characteristic outer ring frequency, BPF0	9.26 Hz
Characteristic inner ring frequency, BRFI	11.74 Hz
da min	212 mm
db min	212 mm
Da max	298 mm
Db max	298 mm
r1a max	1 mm
ra max	2 mm
D6	243.6 mm