



BEARINGS(UK)LTD.

140 mm x 210 mm x 33 mm SNR
7028.HV.U.J74 High precision angular contact ball
bearings

Bearing No. 7028.HV.U.J74

d	140 mm
D	210 mm
B	33 mm
d1	162.6 mm
D1	198.09 mm
D2	187.42 mm
a	57 mm
Contact angle	25 °
rs min	2 mm
r1s min	1 mm
f0	16.24
Precision class	P4
Mass	3.42 kg
Dynamic load, C	128 kN
Static load, C0	144 kN
Fatigue limit load, Cu	6.1 kN
Nlim (oil)	9,100 rpm
Nlim (grease)	6,000 rpm
Axial displacement K Factor	0.38
Preload level	7
Preload value	1.65 kN
Axial rigidity	450 N/ μ m
Radial rigidity	949 N/ μ m
Min operating temperature, Tmin	-30 ° C

7028.HV.U.J74 Bearing 2D drawings and 3D CAD
models



BEARINGS(UK)LTD.

Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.38 Hz
Characteristic outer ring frequency, BPF0	10.27 Hz
Characteristic inner ring frequency, BRFI	12.73 Hz
da min	150 mm
db min	150 mm
Da max	200 mm
Db max	200 mm
r1a max	1 mm
ra max	2 mm
D6	168 mm