



**Bearing No. 71940HVUJ74**

a	75 mm
d	200 mm
D	280 mm
B	38 mm
C	38 mm
d1	225.7 mm
f0	16.64
D2	266.58 mm
D1	254.33 mm
D6	232 mm
Mass	6.16 kg
Db max	268 mm
Da max	268 mm
rs min	2.1 mm
ra max	2 mm
db min	212 mm
da min	212 mm
r1a max	1 mm
r1s min	1 mm
Size (mm)	200x280x38
Width (mm)	38
Nlim (oil)	6,700 rpm
Preload level	7
Nlim (grease)	4,400 rpm
Preload value	2.6 kN
Axial rigidity	613 N/μm
Bearing number	71940HVUJ74
Radial rigidity	1,294 N/μm
Dynamic load, C	178 kN
Precision class	P4

Angle (?)	20 °
Static load, C0	231 kN
Contact angle ?	25 °
Bore Diameter (mm)	200
Outer Diameter (mm)	280
Fatigue limit load, Cu	8.3 kN
Axial displacement K Factor	0.32
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic outer ring frequency, BPF0	12.29 Hz
Characteristic inner ring frequency, BRFI	14.71 Hz
Characteristic rolling element frequency, BSF	10 Hz