



## SNR 10R71920CVUJ84 super-precision Angular contact ball bearings

Bearing No. 10R71920CVUJ84

d	100 mm
D	140 mm
B	20 mm
d1	112.8 mm
D1	127.2 mm
D2	133.36 mm
a	26 mm
Contact angle	15 °
rs min	0.6 mm
r1s min	0.6 mm
f0	16.5
Precision class	P4
Mass	0.8 kg
Dynamic load, C	51 kN
Static load, C0	56.5 kN
Fatigue limit load, Cu	2.75 kN
Nlim (oil)	14,500 rpm
Nlim (grease)	9,600 rpm
Axial displacement K Factor	0.93
Preload level	8
Preload value	0.79 kN
Axial rigidity	160 N/ μ m
Radial rigidity	822 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

10R71920CVUJ84 Bearing 2D drawings and 3D CAD models



## Hmg Industriebedarf GmbH

Tmax	
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.99 Hz
Characteristic outer ring frequency, BPF0	11.3 Hz
Characteristic inner ring frequency, BRFI	13.7 Hz
da min	104.5 mm
db min	104.5 mm
Da max	135.5 mm
Db max	135.5 mm
r1a max	0.6 mm
ra max	0.6 mm
D6	116.5 mm