

# ISO NH319 cylindrical roller bearings

Question ISO NH319 cylindrical roller bearings 42 Outer Diameter (mm) ? Find what you need faster by entering 20x42x12 Size (mm) your information .

Size (mm)	20x42x12
Bore Diameter (mm)	20
Outer Diameter (mm)	42
Width (mm)	12
d	20 mm
D	42 mm
B	12 mm
C	12 mm
Angle ( $\alpha$ )	20 °
d1	26.6 mm
d2	24.65 mm
D1	37.05 mm
D2	38.65 mm
a	13 mm
Contact angle $\alpha$	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	7.52
Precision class	P4S
Mass	0.06 kg
Dynamic load, C	6.3 kN
Static load, C0	2.95 kN

Fatigue limit load, Cu	0.19 kN
Nlim (grease)	44,000 rpm
Axial displacement K Factor	0.96
Preload level	7
Preload value	0.05 kN
Axial rigidity	54 N/ $\mu$ m
Radial rigidity	119 N/ $\mu$ m
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.28 Hz
Characteristic outer ring frequency, BPF0	5.83 Hz
Characteristic inner ring frequency, BRFI	8.17 Hz
da min	24.5 mm
db min	24.5 mm
Da max	37.5 mm
Db max	37.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	28.6 mm