



# Timken BEARINGS INDUSTRY

## NTN HK1616D needle roller bearings



Bearing No. HK1616D

HK1616D Bearing 2D drawings and 3D CAD models

Size	16x22x16 mm
Bore Diameter	16,000 mm
Outer Diameter	22,000 mm
Width	16,000 mm
Fw	16,000 mm
D	22,000 mm
C	16,000 mm
Dw	2 mm
Lw	11.3 mm
Lubrication hole on outer ring	Oui/Yes
k	2.5 mm
Inner ring reference	IR12X16X20
Mass	0.02 kg
Cr	11.1 kN
C0r	15.3 kN
Nlim (grease)	10,000 rpm
Nlim (oil)	15,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.89 Hz
Characteristic outer ring frequency, BPF0	8 Hz



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Characteristic inner ring frequency, BPF1	10 Hz
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