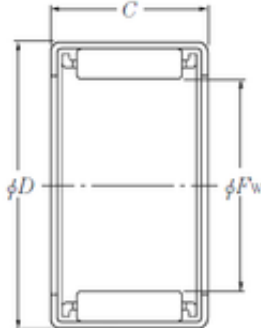




AMERICAN BEARING MFG.CORP.

NTN HMK3512 needle roller bearings



Bearing No. HMK3512

Size	35x45x12 mm
Bore Diameter	35 mm
Outer Diameter	45 mm
Width	12 mm
Fw	35 mm
D	45 mm
C	12 mm
Weight	0.040 Kg
Basic dynamic load rating (C)	14,9 kN
Basic static load rating (C0)	17,6 kN
(Grease) Lubrication Speed	4 700 r/min
Dw	4 mm
Lw	6.8 mm
Lubrication hole on outer ring	Non/No
Inner ring reference	No
Mass	0.04 kg
Cr	14.9 kN
C0r	17.6 kN
Nlim (grease)	4,700 rpm
Nlim (oil)	7,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz

HMK3512 Bearing 2D drawings and 3D CAD models



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Characteristic rolling element frequency, BSF	9.65 Hz
Characteristic outer ring frequency, BPF0	8.08 Hz
Characteristic inner ring frequency, BPF1	9.92 Hz