



NTN BEARING CORP.

77,788 mm x 190,5 mm x 57,531 mm NTN 4T-HH221431/HH221410 tapered roller bearings



Bearing No. 4T-HH221431/HH221410

4T-HH221431/HH221410 Bearing 2D drawings and 3D CAD models

Size	77.788x190.5x57.15 mm
Bore Diameter	77,788 mm
Outer Diameter	190,5 mm
Width	57,15 mm
d	77,788 mm
D	190,5 mm
T	57,15 mm
B	57,531 mm
C	46,038 mm
ra1 max.	3,3 mm
a	14,4 mm
Da	171 mm
db	97 mm
ra max.	3,5 mm
da	103 mm
Db	179 mm
Weight	8,52 Kg
Basic dynamic load rating (C)	445 kN
Basic static load rating (C0)	610 kN
(Grease) Lubrication Speed	1 900 r/min
(Oil) Lubrication Speed	2 600 r/min
Calculation factor (e)	0,33
Calculation factor (Y0)	0,99
d1	141.5 mm
e	0.33



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Y2	1.79
Y0	0.99
Mass	8.52 kg
Dynamic load, C	445 kN
Rating life coefficient, A2	1.4
Static load, C0	610 kN
Fatigue limit load, Cu	66.6 kN
Nlim (oil)	2,600 rpm
Nlim (grease)	1,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.83 Hz
Characteristic outer ring frequency, BPF0	7.12 Hz
Characteristic inner ring frequency, BPF1	9.88 Hz
ra max	3.5 mm
r1a max	3.3 mm