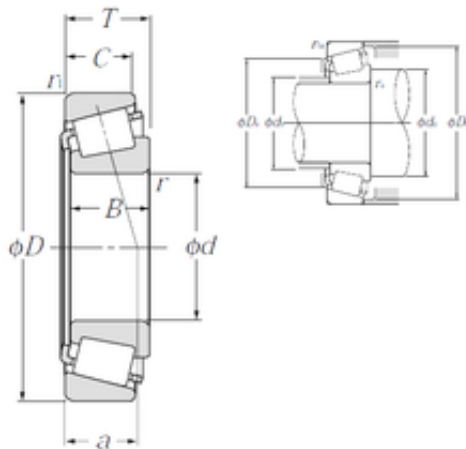




# Timken BEARINGS INDUSTRY

53,975 mm x 130,175 mm x 33,338 mm NTN  
4T-HM911242/HM911210 tapered roller bearings

Bearing No. 4T-HM911242/HM911210



4T-HM911242/HM911210 Bearing 2D drawings and 3D CAD models

Size	53.975x130.175x36.512 mm
Bore Diameter	53,975 mm
Outer Diameter	130,175 mm
Width	36,512 mm
d	53,975 mm
D	130,175 mm
T	36,512 mm
B	33,338 mm
C	23,812 mm
ra1 max.	3,3 mm
a -	5,2 mm
Da	109 mm
db	74 mm
ra max.	3,5 mm
da	79 mm
Db	124 mm
Weight	2,27 Kg
Basic dynamic load rating (C)	156 kN
Basic static load rating (C0)	186 kN
(Grease) Lubrication Speed	2 700 r/min
(Oil) Lubrication Speed	3 600 r/min
Calculation factor (e)	0,82
Calculation factor (Y0)	0,4
d1	97.5 mm
a	41.71 mm



## Timken BEARINGS INDUSTRY

e	0.82
Y2	0.73
Y0	0.4
Mass	2.27 kg
Dynamic load, C	156 kN
Rating life coefficient, A2	1.4
Static load, C0	186 kN
Fatigue limit load, Cu	22.7 kN
Nlim (oil)	3,600 rpm
Nlim (grease)	2,700 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	5.63 Hz
Characteristic outer ring frequency, BPF0	6.78 Hz
Characteristic inner ring frequency, BRFI	9.22 Hz
ra max	3.5 mm
r1a max	3.3 mm