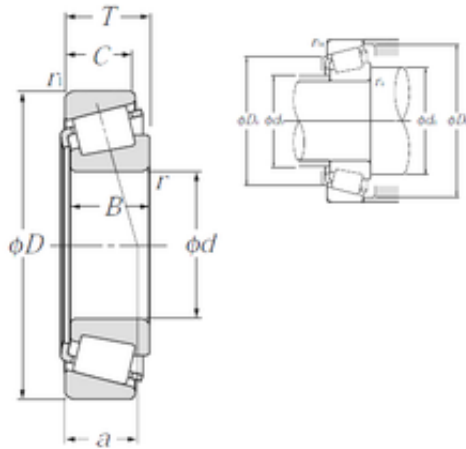




# NTN Bearing Rolamentos do Brasil Ltda.

47,625 mm x 104,775 mm x 29,317 mm NTN  
4T-463/453X Single row tapered roller bearings



Bearing No. 4T-463/453X

4T-463/453X Bearing 2D drawings and 3D CAD models

Size	47.625x104.775x30.162 mm
Bore Diameter	47,625 mm
Outer Diameter	104,775 mm
Width	30,162 mm
d	47,625 mm
D	104,775 mm
T	30,162 mm
B	29,317 mm
C	24,605 mm
ra1 max.	3,3 mm
a	7,1 mm
Da	92 mm
db	56 mm
ra max.	4,8 mm
da	65 mm
Db	98 mm
Weight	1,24 Kg
Basic dynamic load rating (C)	115 kN
Basic static load rating (C0)	148 kN
(Grease) Lubrication Speed	3 500 r/min
(Oil) Lubrication Speed	4 700 r/min
Calculation factor (e)	0,34
Calculation factor (Y0)	0,98
d1	79.5 mm
e	0.34



## NTN Bearing Rolamentos do Brasil Ltda.

Y2	1.79
Y0	0.98
Mass	1.24 kg
Dynamic load, C	115 kN
Rating life coefficient, A2	1.4
Static load, C0	148 kN
Fatigue limit load, Cu	18 kN
Nlim (oil)	4,700 rpm
Nlim (grease)	3,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.79 Hz
Characteristic outer ring frequency, BPF0	7.73 Hz
Characteristic inner ring frequency, BPF1	10.27 Hz
ra max	4.8 mm
r1a max	3.3 mm