



NTN Bearing Manufacturing

50,8 mm x 104,775 mm x 29,317 mm NTN 4T-455/453X tapered roller bearings



Bearing No. 4T-455/453X

4T-455/453X Bearing 2D drawings and 3D CAD models

Size	50.8x104.775x30.162 mm
Bore Diameter	50,8 mm
Outer Diameter	104,775 mm
Width	30,162 mm
d	50,8 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	59 mm
ra max.	0,8 mm
da	60 mm
Db	98 mm
Weight	1,19 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 Manufacturing

Y2	1.79
Y0	0.98
Mass	1.19 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	0.8 mm
r1a max	3.3 mm