



**Bearing No. 4T-30210**

B	20 mm
e	0.42
d	50 mm
D	90 mm
T	21,75 mm
C	17 mm
a	19,5 mm
Y2	1.43
Sa	3 mm
d1	69 mm
Y0	0.79
Sb	4,5 mm
Mass	0.56 kg
ra max	1.5 mm
Weight	0,563 Kg
Ca min	3 mm
Db min	85 mm
r min.	1,5 mm
Da max	81.5 mm
rs min	1.5 mm
Da min	79 mm
Cb min	4.5 mm
db min	58.5 mm
da max	58 mm
r1s min	1.5 mm
ra max.	1,5 mm
r1a max	1.5 mm
Db min.	85 mm
db max.	58 mm
Da max.	81,5 mm

da min.	58,5 mm
r1 min.	1,5 mm
ra1 max.	1,5 mm
Category	Roller Bearings
Size (mm)	50x90x21.75
Inventory	0.0
Nlim (oil)	5,300 rpm
Width (mm)	21,75
Nlim (grease)	4,000 rpm
Product Group	B04334
Bearing number	4T-30210
Static load, C0	93 kN
Dynamic load, C	77 kN
ISO 355 reference	T3DB050
Weight / Kilogram	0
Manufacturer Name	NTN
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Minimum Buy Quantity	N/A
Calculation factor (e)	0,42
Fatigue limit load, Cu	11.3 kN
(Oil) Lubrication Speed	5 300 r/min
Calculation factor (Y0)	0,79
(Grease) Lubrication Speed	4 000 r/min
Rating life coefficient, A2	1.4
Basic static load rating (C0)	93 kN
Basic dynamic load rating (C)	77 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C

Characteristic cage frequency, FTF	0.43 Hz
Characteristic inner ring frequency, BPI	10.85 Hz
Characteristic outer ring frequency, BPO	8.15 Hz
Characteristic rolling element frequency, BSF	6.63 Hz