



Bearing No. 4T-33210

B	32 mm
e	0.41
d	50 mm
D	90 mm
T	32 mm
C	24,5 mm
a	23,5 mm
Y2	1.45
Sa	5 mm
d1	70.5 mm
Y0	0.8
Sb	7,5 mm
Mass	0.85 kg
ra max	1.5 mm
Weight	0,852 Kg
Ca min	5 mm
Db min	87 mm
r min.	1,5 mm
Da max	81.5 mm
rs min	1.5 mm
Da min	77 mm
Cb min	7.5 mm
db min	58.5 mm
da max	57 mm
r1s min	1.5 mm
ra max.	1,5 mm
r1a max	1.5 mm
Db min.	87 mm
db max.	57 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)	50x90x32
Inventory	0.0
Nlim (oil)	5,300 rpm
Width (mm)	32
Nlim (grease)	4,000 rpm
Product Group	B04334
Bearing number	4T-33210
Static load, C0	158 kN
Dynamic load, C	115 kN
ISO 355 reference	T3DE050
Weight / Kilogram	0
Manufacturer Name	NTN
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Minimum Buy Quantity	N/A
Calculation factor (e)	0,41
Fatigue limit load, Cu	19.3 kN
(Oil) Lubrication Speed	5 300 r/min
Calculation factor (Y0)	0,8
(Grease) Lubrication Speed	4 000 r/min
Rating life coefficient, A2	1.4
Basic static load rating (C0)	158 kN
Basic dynamic load rating (C)	115 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C

Characteristic cage frequency, FTF	0.43 Hz
Characteristic inner ring frequency, BPF1	11.38 Hz
Characteristic outer ring frequency, BPF0	8.62 Hz
Characteristic rolling element frequency, BSF	6.86 Hz