



**Bearing No. 4T-32209**

B	23 mm
e	0.4
d	45 mm
D	85 mm
T	24,75 mm
C	19 mm
a	20 mm
Y2	1.48
Sa	3 mm
d1	65 mm
Y0	0.81
Sb	5,5 mm
Mass	0.61 kg
ra max	1.5 mm
Weight	0,607 Kg
Ca min	3 mm
Db min	81 mm
r min.	1,5 mm
Da max	76.5 mm
rs min	1.5 mm
Da min	73 mm
Cb min	5.5 mm
db min	53.5 mm
da max	53 mm
r1s min	1.5 mm
ra max.	1,5 mm
r1a max	1.5 mm
Db min.	81 mm
db max.	53 mm
Da max.	76,5 mm

da min.	53,5 mm
r1 min.	1,5 mm
ra1 max.	1,5 mm
Category	Roller Bearings
Size (mm)	45x85x24.75
Inventory	4.0
Nlim (oil)	5,900 rpm
Width (mm)	24,75
Nlim (grease)	4,400 rpm
Product Group	B04336
Bearing number	4T-32209
Static load, C0	100 kN
Dynamic load, C	82 kN
ISO 355 reference	T3DC045
Weight / Kilogram	0
Manufacturer Name	NTN
Bore Diameter (mm)	45
Outer Diameter (mm)	85
Minimum Buy Quantity	N/A
Calculation factor (e)	0,4
Fatigue limit load, Cu	12.2 kN
(Oil) Lubrication Speed	5 900 r/min
Calculation factor (Y0)	0,81
(Grease) Lubrication Speed	4 400 r/min
Rating life coefficient, A2	1.4
Basic static load rating (C0)	100 kN
Basic dynamic load rating (C)	82 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	10.34 Hz
Characteristic outer ring frequency, BPO	7.66 Hz
Characteristic rolling element frequency, BSF	6.36 Hz