



Bearing No. 4T-32009X

B	20 mm
e	0.39
d	45 mm
D	75 mm
T	20 mm
C	15,5 mm
a	16,5 mm
Y2	1.53
Sa	4 mm
d1	60.5 mm
Y0	0.84
Sb	4,5 mm
Mass	0.35 kg
ra max	1 mm
Weight	0,346 Kg
Ca min	4 mm
Db min	72 mm
r min.	1 mm
Da max	69.5 mm
rs min	1 mm
Da min	67 mm
Cb min	4.5 mm
db min	50.5 mm
da max	51 mm
r1s min	1 mm
ra max.	1 mm
r1a max	1 mm
Db min.	72 mm
db max.	51 mm
Da max.	69,5 mm

da min.	50,5 mm
r1 min.	1 mm
ra1 max.	1 mm
Category	Roller Bearings
Size (mm)	45x75x20
Inventory	3.0
Nlim (oil)	6,400 rpm
Width (mm)	20
Nlim (grease)	4,800 rpm
Product Group	B04334
Bearing number	4T-32009X
Static load, C0	76.5 kN
Dynamic load, C	57.5 kN
ISO 355 reference	T3CC045
Weight / Kilogram	0.332
Manufacturer Name	NTN
Bore Diameter (mm)	45
Outer Diameter (mm)	75
Minimum Buy Quantity	N/A
Calculation factor (e)	0,39
Fatigue limit load, Cu	9.3 kN
(Oil) Lubrication Speed	6 400 r/min
Calculation factor (Y0)	0,84
(Grease) Lubrication Speed	4 800 r/min
Rating life coefficient, A2	1.4
Basic static load rating (C0)	76,5 kN
Basic dynamic load rating (C)	57,5 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C

Characteristic cage frequency, FTF	0.44 Hz
Characteristic inner ring frequency, BPI	11.74 Hz
Characteristic outer ring frequency, BPO	9.26 Hz
Characteristic rolling element frequency, BSF	8.09 Hz