

# 1209S NTN Calculation factor (e) 0.21 45x85x19mm Self aligning ball bearings

rs min	1.1 mm
e	0.21
Y1	3
Y2	4.7
Y0	3.1
Radial clearance class	CN
Precision class	P0
Mass	0.46 kg
Dynamic load, C	22 kN
Static load, C0	7.35 kN
Nlim (oil)	8.500 rpm
Nlim (grease)	7.100 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
da min	51.5 mm
Da max	78.5 mm
ra max	1 mm
Bearing number	1209S
Size (mm)	45x85x19
Brand	NTN
Bore Diameter (mm)	45
Outer Diameter (mm)	85
Width (mm)	19
d	45 mm

D	85 mm
B	19 mm
C	19 mm
r min.	1.1 mm
da min.	51.5 mm
Da max.	78.5 mm
ra max.	1 mm
Weight	0.465 Kg
Basic dynamic load rating (C)	22 kN
Basic static load rating (C0)	7.35 kN
(Grease) Lubrication Speed	7 100 r/min
(Oil) Lubrication Speed	8 500 r/min
Calculation factor (e)	0.21
Calculation factor (Y0)	3.1
Calculation factor (Y1)	3