



Tapered bore

Bearing No. 2209K

D	85,000 mm
d	45,000 mm
B	23,000 mm
C	23,000 mm
e	0.31
Y2	3.19
d1	57.7 mm
D1	71.8 mm
Y0	2.16
Y1	2.06
Nlim	10,000 rpm
Mass	0.54 kg
Nref	8,100 rpm
da min	51.5 mm
da max	56 mm
ra max	1 mm
db min	50 mm
Ce min	8 mm
Da max	78.5 mm
rs min	1.1 mm
Size (mm)	45x85x23
Width (mm)	23,000
Bearing number	2209K
Static load, C0	8.2 kN
Dynamic load, C	23 kN
Precision class	P0
Bore Diameter (mm)	45,000
Outer Diameter (mm)	85,000
Radial clearance class	CN
Associated sleeve	H309

reference	
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic outer ring frequency, BPF0	7.7 Hz
Characteristic inner ring frequency, BRFI	10.3 Hz
Characteristic rolling element frequency, BSF	6.63 Hz