

# SIGMA LJ 1.3/8 deep groove ball bearings

SIGMA LJ 1.3/8 deep groove ball bearings 47.625×96.838×21 Size (mm) Needs Analysis , 96,838 Outer Diameter (mm) Manufacturing Service . Get Your Free.

Size (mm)	47.625×96.838×21
Bore Diameter (mm)	47,625
Outer Diameter (mm)	96,838
Width (mm)	21
d	47,625 mm
D	96,838 mm
T	21 mm
B	21,946 mm
C	15,875 mm
ra1 max.	0,8 mm
a	3,1 mm
Da	89 mm
db	55 mm
ra max.	0,8 mm
da	56 mm
Db	92 mm
Weight	0,72 Kg
Basic dynamic load rating (C)	78 kN
Basic static load rating (C0)	96,5 kN
(Grease) Lubrication Speed	3 700 r/min
(Oil) Lubrication Speed	5 000 r/min
Calculation factor (e)	0,35

Calculation factor (Y0)	0,93
d1	75 mm
e	0.35
Y2	1.69
Y0	0.93
Mass	0.72 kg
Dynamic load, C	78 kN
Rating life coefficient, A2	1.4
Static load, C0	96.5 kN
Fatigue limit load, Cu	11.8 kN
Nlim (oil)	5,000 rpm
Nlim (grease)	3,700 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.3 Hz
Characteristic outer ring frequency, BPF0	8.26 Hz
Characteristic inner ring frequency, BPF1	10.74 Hz
ra max	0.8 mm
r1a max	0.8 mm
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.734
Product Group	B04334