

# AST SFR1-5 deep groove ball bearings

AST SFR1-5 deep groove ball bearings Engineering Calculator , Manufacturing 65x120x39 Size (mm) Service . Get Your Free.

Size (mm)	65x120x39
Bore Diameter (mm)	65
Outer Diameter (mm)	120
Width (mm)	39
d	65 mm
D	120 mm
T	39 mm
B	38,5 mm
C	32 mm
ra1 max.	2,5 mm
a	10,9 mm
Da	107 mm
db	74 mm
ra max.	3 mm
da	80 mm
Db	114 mm
Weight	1,9 Kg
Basic dynamic load rating (C)	185 kN
Basic static load rating (C0)	248 kN
(Grease) Lubrication Speed	3 100 r/min
(Oil) Lubrication Speed	4 100 r/min
Calculation factor (e)	0,34
Calculation factor (Y0)	0,98

d1	91 mm
e	0.34
Y2	1.78
Y0	0.98
Mass	1.9 kg
Dynamic load, C	185 kN
Rating life coefficient, A2	1.4
Static load, C0	248 kN
Fatigue limit load, Cu	30.2 kN
Nlim (oil)	4,100 rpm
Nlim (grease)	3,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.34 Hz
Characteristic outer ring frequency, BPF0	7.22 Hz
Characteristic inner ring frequency, BRFI	9.78 Hz
ra max	3 mm
rla max	2.5 mm