

# 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    |