

# AST FR2 deep groove ball bearings

Browse AST FR2 deep groove ball bearings Categories in the Manufacturers Online 70 mm d Free. including 20 mm B .

|   |             |
|---|-------------|
| d                                       | 70 mm       |
| D                                       | 110 mm      |
| B                                       | 20 mm       |
| d1                                      | 82.3 mm     |
| d2                                      | 82.3 mm     |
| D2                                      | 100.64 mm   |
| r1,2 min.                               | 1.1 mm      |
| r3,4 min.                               | 0.6 mm      |
| a                                       | 31.1 mm     |
| da min.                                 | 76 mm       |
| da max.                                 | 81.7 mm     |
| db min.                                 | 76 mm       |
| db max.                                 | 81.7 mm     |
| Da max.                                 | 104 mm      |
| Db max.                                 | 106 mm      |
| ra max.                                 | 1 mm        |
| rb max.                                 | 0.6 mm      |
| Basic dynamic load rating C             | 48.8 kN     |
| Basic static load rating C0             | 44 kN       |
| Fatigue load limit Pu                   | 1.86 kN     |
| Attainable speed for grease lubrication | 11000 r/min |
| Ball diameter Dw                        | 12.7 mm     |
| Number of balls z                       | 19          |

|   |                      |
|---|----------------------|
| Preload class A GA                                    | 300 N                |
| Static axial stiffness, preload class A               | 191 N/ $\mu\text{m}$ |
| Preload class B GB                                    | 600 N                |
| Static axial stiffness, preload class B               | 249 N/ $\mu\text{m}$ |
| Preload class C GC                                    | 1200 N               |
| Static axial stiffness, preload class C               | 330 N/ $\mu\text{m}$ |
| Preload class D GD                                    | 2400 N               |
| Static axial stiffness, preload class D               | 447 N/ $\mu\text{m}$ |
| Calculation factor f                                  | 1.12                 |
| Calculation factor f1                                 | 0.99                 |
| Calculation factor f2A                                | 1                    |
| Calculation factor f2B                                | 1.02                 |
| Calculation factor f2C                                | 1.05                 |
| Calculation factor f2D                                | 1.08                 |
| Calculation factor fHC                                | 1                    |
| Calculation factor e                                  | 0.68                 |
| Calculation factor (single, tandem) Y2                | 0.87                 |
| Calculation factor (back-to-back, face-to-face)<br>Y1 | 0.92                 |
| Calculation factor (back-to-back, face-to-face)<br>Y2 | 1.41                 |
| Mass bearing  | 0.61 kg              |