

# CYSD 207KPPB3 deep groove ball bearings

Our highly-skilled and factory-trained service experts have the resources to help you with all your CYSD 207KPPB3 deep groove ball bearings needs 115x75x20 Size (mm) – 115 Bore Diameter (mm) including routine maintenance, major repairs, warranty service, and equipment inspections.

|                     |           |
|---------------------|-----------|
| Size (mm)           | 115x75x20 |
| Bore Diameter (mm)  | 115       |
| Outer Diameter (mm) | 75        |
| Width (mm)          | 20        |
| d                   | 75 mm     |
| D                   | 115 mm    |
| B                   | 20 mm     |
| d1                  | 90 mm     |
| d2                  | 88.2 mm   |
| D2                  | 102.8 mm  |
| r1,2 – min.         | 1.1 mm    |
| r3,4 – min.         | 0.6 mm    |
| a                   | 22.3 mm   |
| da – min.           | 81 mm     |
| da – max.           | 89.2 mm   |
| db – min.           | 81 mm     |
| db – max.           | 87.4 mm   |
| Da – max.           | 109 mm    |
| Db – max.           | 111.8 mm  |
| ra – max.           | 1 mm      |

|                                       |              |
|---------------------------------------|--------------|
| rb – max.                             | 0.6 mm       |
| Basic dynamic load rating – C         | 19.9 kN      |
| Basic static load rating – C0         | 17.6 kN      |
| Fatigue load limit – Pu               | 0.75 kN      |
| Limiting speed for grease lubrication | 18000 r/min  |
| Ball – Dw                             | 7.938 mm     |
| Ball – z                              | 30           |
| Calculation factor – f0               | 9.7          |
| Preload class A – GA                  | 65 N         |
| Preload class B – GB                  | 130 N        |
| Preload class C – GC                  | 390 N        |
| Calculation factor – f                | 1            |
| Calculation factor – f2A              | 1            |
| Calculation factor – f2B              | 1.02         |
| Calculation factor – f2C              | 1.05         |
| Calculation factor – fHC              | 1.01         |
| Preload class A                       | 56 N/micron  |
| Preload class B                       | 73 N/micron  |
| Preload class C                       | 115 N/micron |
| r1,2 min.                             | 1.1 mm       |
| r3,4 min.                             | 0.6 mm       |
| da min.                               | 81 mm        |
| da max.                               | 89.2 mm      |
| db min.                               | 81 mm        |
| db max.                               | 87.4 mm      |
| Da max.                               | 109 mm       |
| Db max.                               | 111.8 mm     |
| ra max.                               | 1 mm         |
| rb max.                               | 0.6 mm       |

|   |             |
|---|-------------|
| Basic dynamic load rating C             | 26.5 kN     |
| Basic static load rating C <sub>0</sub> | 29 kN       |
| Fatigue load limit P <sub>u</sub>       | 0.75 kN     |
| Attainable speed for grease lubrication | 18000 r/min |
| Ball diameter D <sub>w</sub>            | 7.938 mm    |
| Number of balls z                       | 30          |
| Preload class A G <sub>A</sub>          | 65 N        |
| Static axial stiffness, preload class A | 56 N/μm     |
| Preload class B G <sub>B</sub>          | 130 N       |
| Static axial stiffness, preload class B | 73 N/μm     |
| Preload class C G <sub>C</sub>          | 390 N       |
| Static axial stiffness, preload class C | 115 N/μm    |
| Calculation factor f                    | 1.08        |
| Calculation factor f <sub>1</sub>       | 1           |
| Calculation factor f <sub>2A</sub>      | 1           |
| Calculation factor f <sub>2B</sub>      | 1.02        |
| Calculation factor f <sub>2C</sub>      | 1.05        |
| Calculation factor f <sub>HC</sub>      | 1.01        |
| Calculation factor f <sub>0</sub>       | 9.7         |
| Mass bearing                            | 0.66 kg     |