



Bearing No. BTM 60 BTN9/HCP4CDB

|                     |                        |
|---------------------|------------------------|
| D                   | 95 mm                  |
| d                   | 60 mm                  |
| B                   | 16,5 mm                |
| C                   | 16,5 mm                |
| H                   | 33 mm                  |
| d1                  | 75,9 mm                |
| dh                  | 74 mm                  |
| D1                  | 81,5 mm                |
| Weight              | 0,8 Kg                 |
| r4 min.             | 0,6 mm                 |
| Da max.             | 91,8 mm                |
| da min.             | 66 mm                  |
| r2 min.             | 1,1 mm                 |
| r3 min.             | 0,6 mm                 |
| r1 min.             | 1,1 mm                 |
| rb max.             | 0,6 mm                 |
| ra max.             | 1 mm                   |
| Size (mm)           | 60x95x16.5             |
| Width (mm)          | 16,5                   |
| Mass bearing        | 0.8 kg                 |
| D <sub>1</sub>      | 86.1 mm                |
| d <sub>n</sub>      | 73.8 mm                |
| d <sub>1</sub>      | 75.9 mm                |
| Bearing number      | BTM 60<br>BTN9/HCP4CDB |
| Preload class A     | 250 N                  |
| Preload class B     | 750 N                  |
| d <sub>a</sub> min. | 66 mm                  |
| D <sub>a</sub> max. | 91.8 mm                |
| r <sub>a</sub> max. | 1 mm                   |
|                     |                        |

|  |                     |
|--|---------------------|
| $r_b$ max.                               | 0.6 mm              |
| Bore Diameter (mm)                       | 60                  |
| Outer Diameter (mm)                      | 95                  |
| $r_{1,2}$ min.                           | 1.1 mm              |
| $r_{3,4}$ min.                           | 0.6 mm              |
| (Oil) Lubrication Speed                  | 13 300 r/min        |
| (Grease) Lubrication Speed               | 11 100 r/min        |
| Basic dynamic load rating C              | 25 kN               |
| Basic static load rating (C0)            | 50 kN               |
| Basic dynamic load rating (C)            | 25 kN               |
| Fatigue load limit $P_u$                 | 2.12 kN             |
| Static axial stiffness for preload A     | 356 N/ $\mu$ m      |
| Static axial stiffness for preload B     | 537 N/ $\mu$ m      |
| Basic static load rating $C_0$           | 50 kN               |
| Attainable speed for grease lubrication  | 11100 r/min         |
| Attainable speed for oil-air lubrication | 13300 r/min         |
| Reference grease quantity $G_{ref}$      | 7.8 cm <sup>3</sup> |