

BA 6

Single direction thrust ball bearings can accommodate axial loads in one direction. They must not be subjected to any radial load. Their separable components facilitate mounting/dismounting and maintenance inspections. Many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit.



- Separable design facilitates mounting/dismounting and maintenance inspections
- Interchangeable components
- Ground bore of shaft washers enable interference fit



| Dimensions       |             |                               |
|------------------|-------------|-------------------------------|
| d                | 6 mm        | Bore diameter                 |
| D                | 14 mm       | Outside diameter              |
| H                | 5 mm        | Height                        |
| d <sub>1</sub>   | ≈ 13.8 mm   | Outside diameter shaft washer |
| D <sub>1</sub>   | ≈ 6.2 mm    | Inner diameter housing washer |
| r <sub>1,2</sub> | min. 0.2 mm | Chamfer dimension washer      |



| Abutment dimensions |             |                           |
|---------------------|-------------|---------------------------|
| d <sub>a</sub>      | min. 11 mm  | Abutment diameter shaft   |
| D <sub>a</sub>      | max. 9.5 mm | Abutment diameter housing |
| r <sub>a</sub>      | max. 0.2 mm | Fillet radius             |

Calculation data

|                           |   |         |
|---------------------------|---|---------|
| Basic dynamic load rating | C | 1.78 kN |
|---------------------------|---|---------|

|                          |                |              |
|--------------------------|----------------|--------------|
| Basic static load rating | C <sub>0</sub> | 1.92 kN      |
| Fatigue load limit       | P <sub>u</sub> | 0.071 kN     |
| Reference speed          |                | 17 000 r/min |
| Limiting speed           |                | 24 000 r/min |
| Minimum load factor      | A              | 1.9E-5       |

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit