

# ISB 51422 M thrust ball bearings

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|   |            |
|---|------------|
| d                                       | 440 mm     |
| D                                       | 600 mm     |
| B                                       | 74 mm      |
| d1 ≈                                    | 495 mm     |
| D1 ≈                                    | 544 mm     |
| a                                       | 364 mm     |
| h                                       | 15 mm      |
| b                                       | 12.5 mm    |
| r <sub>0</sub>                          | 2.5 mm     |
| r <sub>1,2 min.</sub>                   | 4 mm       |
| da min.                                 | 458 mm     |
| Da max.                                 | 582 mm     |
| ra max.                                 | 3 mm       |
| Basic dynamic load rating C             | 761 kN     |
| Basic static load rating C <sub>0</sub> | 1900 kN    |
| Fatigue load limit P <sub>u</sub>       | 35.5 kN    |
| Limiting speed                          | 1500 r/min |
| Calculation factor A                    | 9.53       |
| Calculation factor e                    | 0.95       |
| Calculation factor X                    | 0.6        |
| Calculation factor Y <sub>0</sub>       | 0.58       |

|                       |       |
|-----------------------|-------|
| Calculation factor Y1 | 0.66  |
| Calculation factor Y2 | 1.07  |
| Mass bearing          | 64 kg |