



## BEARING ITALIA S.P.A

5 mm x 10 mm x 4 mm skf WBB1-8705 R-2RS1  
Deep groove ball bearings

Bearing No. WBB1-8705 R-2RS1

|   |             |
|---|-------------|
| Size                                    | 5x10x4 mm   |
| Bore Diameter                           | 5 mm        |
| Outer Diameter                          | 10 mm       |
| Width                                   | 4 mm        |
| d                                       | 5 mm        |
| D                                       | 10 mm       |
| B                                       | 4 mm        |
| C                                       | 4 mm        |
| C                                       | 0,8 mm      |
| D3                                      | 11,6 mm     |
| Weight                                  | 0,0014 Kg   |
| Basic dynamic load rating (C)           | 0,247 kN    |
| Basic static load rating (C0)           | 0,085 kN    |
| Fatigue load limit (Pu)                 | 0,004       |
| Reference speed                         | – r/min     |
| d <sub>1</sub>                          | 6 mm        |
| D <sub>2</sub>                          | 8.4 mm      |
| D <sub>3</sub>                          | 11.6 mm     |
| r <sub>1,2</sub> min.                   | 0.15 mm     |
| d <sub>a</sub> min.                     | 5.9 mm      |
| d <sub>a</sub> max.                     | 5.9 mm      |
| r <sub>a</sub> max.                     | 0.15 mm     |
| Basic dynamic load rating C             | 0.247 kN    |
| Basic static load rating C <sub>0</sub> | 0.085 kN    |
| Fatigue load limit P <sub>u</sub>       | 0.004 kN    |
| Limiting speed                          | 38000 r/min |
|   |             |



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|                          |           |
|--------------------------|-----------|
| Calculation factor $k_r$ | 0.015     |
| Calculation factor $f_0$ | 7.6       |
| Mass bearing             | 0.0014 kg |