



### Bearing No. NKIB 5905

|   |                 |
|---|-----------------|
| D   | 42 mm           |
| d   | 25 mm           |
| B   | 25 mm           |
| C   | 23 mm           |
| F   | 30 mm           |
| Category                                      | Roller Bearings |
| Size (mm)                                     | 42x25x25        |
| Inventory                                     | 0.0             |
| Width (mm)                                    | 25              |
| Mass bearing                                  | 0.13 kg         |
| Product Group                                 | B04144          |
| Limiting speed                                | 15000 r/min     |
| Bearing number                                | NKIB 5905       |
| Reference speed                               | 13000 r/min     |
| Weight / Kilogram                             | 0.137           |
| Manufacturer Name                             | SKF             |
| r <sub>a</sub> max.                           | 0.3 mm          |
| D <sub>a</sub> max.                           | 40 mm           |
| d <sub>a</sub> min.                           | 27 mm           |
| Bore Diameter (mm)                            | 42              |
| Outer Diameter (mm)                           | 25              |
| Minimum Buy Quantity                          | N/A             |
| r <sub>a</sub> - max.                         | 0.3 mm          |
| d <sub>a</sub> - min.                         | 27 mm           |
| D <sub>a</sub> - max.                         | 40 mm           |
| r <sub>1,2</sub> min.                         | 0.3 mm          |
| r <sub>1,2</sub> - min.                       | 0.3 mm          |
| Basic dynamic load rating, axial direction C  | 4.24 kN         |
| Basic dynamic load rating, radial direction C | 24.2 kN         |

|  |          |
|--|----------|
| Basic dynamic load rating, axial direction - C     | 4.2 kN   |
| Basic dynamic load rating, radial direction - C    | 24.2 kN  |
| Fatigue load limit, axial direction $P_u$          | 0.224 kN |
| Fatigue load limit, radial direction $P_u$         | 4.15 kN  |
| Fatigue load limit, axial direction - $P_u$        | 0.224 kN |
| Fatigue load limit, radial direction - $P_u$       | 4.2 kN   |
| Basic static load rating, axial direction $C_0$    | 5.26 kN  |
| Basic static load rating, radial direction $C_0$   | 34.5 kN  |
| Basic static load rating, axial direction - $C_0$  | 5.3 kN   |
| Basic static load rating, radial direction - $C_0$ | 34.5 kN  |