

# SKF S71905 CE/HCP4A angular contact ball bearings

How do you find the SKF S71905 CE/HCP4A angular contact ball bearings specification? Manufacturers Online 42x20x12 Size (mm) Free check

|                               |          |
|-------------------------------|----------|
| Size (mm)                     | 42x20x12 |
| Bore Diameter (mm)            | 42       |
| Outer Diameter (mm)           | 20       |
| Width (mm)                    | 12       |
| d                             | 20 mm    |
| D                             | 42 mm    |
| B                             | 12 mm    |
| d1                            | 26.6 mm  |
| d2                            | 24.8 mm  |
| D1                            | 34.21 mm |
| r1,2 – min.                   | 0.6 mm   |
| r3,4 – min.                   | 0.3 mm   |
| a                             | 10.2 mm  |
| da – min.                     | 22 mm    |
| db – min.                     | 22 mm    |
| Da – max.                     | 40 mm    |
| Db – max.                     | 39.6 mm  |
| ra – max.                     | 0.6 mm   |
| rb – max.                     | 0.3 mm   |
| dn                            | 28.1 mm  |
| Basic dynamic load rating – C | 7.4 kN   |
| Basic static load rating – C0 | 3.4 kN   |

|                                       |                     |
|---------------------------------------|---------------------|
| Fatigue load limit – Pu               | 0.143 kN            |
| Limiting speed for grease lubrication | 65000 r/min         |
| Limiting speed for oil lubrication    | 100000 mm/min       |
| Ball – Dw                             | 6.35 mm             |
| Ball – z                              | 12                  |
| Gref                                  | 1.1 cm <sup>3</sup> |
| Calculation factor – f <sub>0</sub>   | 7.2                 |
| Preload class A – GA                  | 40 N                |
| Preload class B – GB                  | 120 N               |
| Preload class C – GC                  | 235 N               |
| Calculation factor – f                | 1                   |
| Calculation factor – f <sub>2A</sub>  | 1                   |
| Calculation factor – f <sub>2B</sub>  | 1.03                |
| Calculation factor – f <sub>2C</sub>  | 1.05                |
| Calculation factor – f <sub>HC</sub>  | 1.01                |
| Preload class A                       | 23 N/micron         |
| Preload class B                       | 36 N/micron         |
| Preload class C                       | 49 N/micron         |
| Inventory                             | 0.0                 |
| Manufacturer Name                     | SKF                 |
| Minimum Buy Quantity                  | N/A                 |
| Weight / Kilogram                     | 0                   |
| Product Group                         | B04270              |
| Enclosure                             | Open                |
| Precision Class                       | ABEC 7   ISO P4     |
| Material – Ball                       | Ceramic             |
| Number of Bearings                    | 1 (Single)          |
| Contact Angle                         | 15 Degree           |

|                        |  |
|------------------------|--|
| Preload                | None   |
| Raceway Style          | 1 Rib Inner Ring and Outer Ring  |
| Cage Material          | Phenolic   |
| Rolling Element        | Ball Bearing   |
| Flush Ground           | No   |
| Inch – Metric          | Metric   |
| Other Features         | Single Row   Angular Contact   High Speed E Design   |
| Long Description       | 20MM Bore; 42MM Outside Diameter; 12MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Ceramic Bal |
| UNSPSC                 | 31171531   |
| Harmonized Tariff Code | 8482.10.50.28  |
| Noun                   | Bearing  |
| Keyword String         | Ball Angular Contact   |
| Bore                   | 0.787 Inch   20 Millimeter   |
| Outside Diameter       | 1.654 Inch   42 Millimeter   |
| Width                  | 0.472 Inch   12 Millimeter   |
| r1,2 min.              | 0.6 mm   |
| r3,4 min.              | 0.3 mm   |
| da min.                | 22 mm  |
| db min.                | 22 mm  |
| Da max.                | 40 mm  |
| Db max.                | 39.6 mm  |

|  |                     |
|--|---------------------|
| ra max.                                  | 0.6 mm              |
| rb max.                                  | 0.3 mm              |
| Basic dynamic load rating C              | 7.41 kN             |
| Basic static load rating C0              | 3.35 kN             |
| Fatigue load limit Pu                    | 0.143 kN            |
| Attainable speed for grease lubrication  | 65000 r/min         |
| Attainable speed for oil-air lubrication | 100000 r/min        |
| Ball diameter Dw                         | 6.35 mm             |
| Number of balls z                        | 12                  |
| Reference grease quantity Gref           | 1.1 cm <sup>3</sup> |
| Preload class A GA                       | 40 N                |
| Static axial stiffness, preload class A  | 23 N/μm             |
| Preload class B GB                       | 120 N               |
| Static axial stiffness, preload class B  | 36 N/μm             |
| Preload class C GC                       | 235 N               |
| Static axial stiffness, preload class C  | 49 N/μm             |
| Calculation factor f                     | 1.04                |
| Calculation factor f1                    | 1                   |
| Calculation factor f2A                   | 1                   |
| Calculation factor f2B                   | 1.03                |
| Calculation factor f2C                   | 1.05                |
| Calculation factor fHC                   | 1.01                |
| Calculation factor f0                    | 7.2                 |
| Mass bearing                             | 0.056 kg            |