

Ball bearing part numbering system description

Tech tip

SKF developed some of its bearing part numbering as a support and convenience tool for its customers.

Ball bearings – the first two numbers represent the basic series for the part number and the second two numbers represent the bore size, and the last part of the number represents the bearing nomenclature. For example, **6203-2RSJ** indicates a single row, light metric bearing with a 25mm bore size, one seal and steel cage. Here are the details:

First two numbers

- 30 = Single row, extra-small, metric
- 6000 = Single row, extra-light, metric
- 6200 = Single row, light, metric
- 6300 = Single row, medium, metric
- 5200 = Double row, light, metric
- 5300 = Double row, medium, metric
- 7200 = Single row, angular-contact, metric

If you need a maximum capacity bearing in the above sizes you can check availability by removing the first number. For example a 6207-J series bearing will be a 207-J number for the maximum capacity bearing.

Second two numbers

- | | |
|-----------|------------|
| 00 = 10mm | 05 = 25mm |
| 01 = 12mm | 12 = 60mm |
| 02 = 15mm | 20 = 100mm |
| 03 = 17mm | 22 = 110mm |
| 04 = 20mm | |

For bore sizes 04 and above multiply last two numbers by 5.

Last part of the number

- | | |
|--|----------------------|
| ZNJ = Shield on opposite snap ring groove | N = Snap ring groove |
| NR = Snap ring groove on outer ring included | RS = One seal |
| RSZ = Seal on one side, shield on the other | Z = One shield |
| ZNBR = Shield and snap ring on one side | J = Steel cage |
| ZNRJ = Shield on side opposite snap ring | |

The number **2** preceding the suffix indicates a double seal or shield.

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