## general data/description

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**article** 3812 B TN 2RS LX5 **Art-No.** 55235 **brand** SKA **weight/kg** 0.14

**remark** Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e.

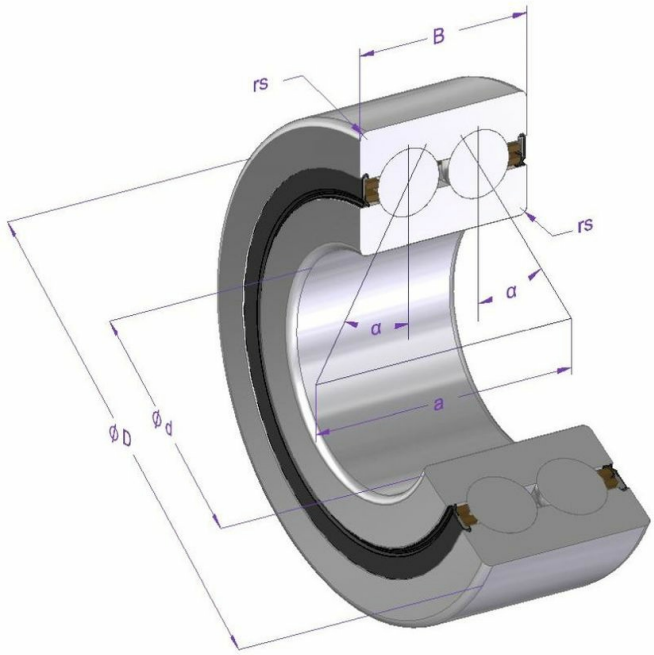
**description**

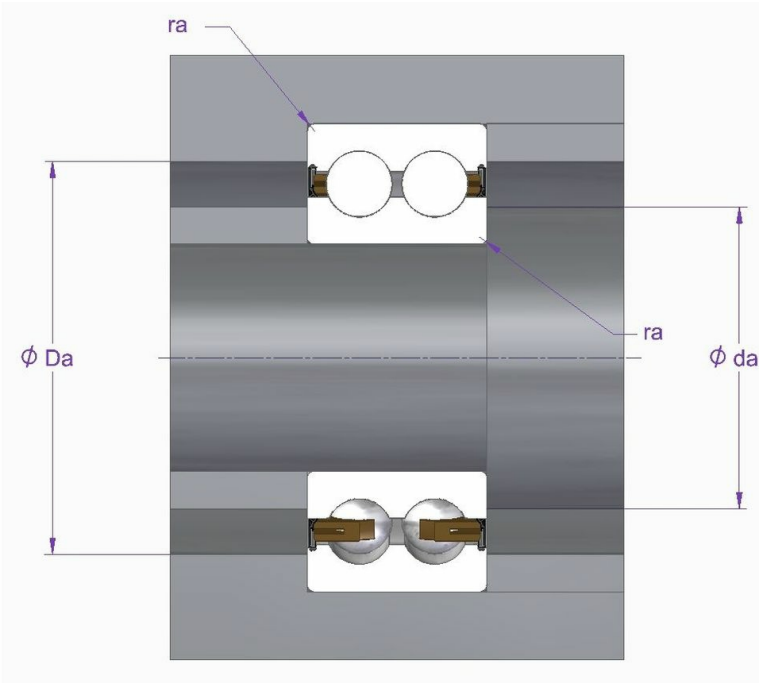
| | |
|---|---|
| 3812 | Size |
| B | Pressure angle |
| TN | Plastic cage |
| 2RS | Sealing washers on both sides, touching |

**greasing**

| | |
|---|---|
| LX5 | SHELL GADUS S2 V100 3 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 60 | 0 / -15 | 620-2 |
| D | nominal outer diameter | 78 | 0 / -13 | 620-2 |
| B | width | 14 | 0 / -150 | 620-2 |
| rs min. | minimal chamfer dimension | 0.3 | | 616 |
| alpha | contact angle | 30° | | 628-3 |
| a | load application point | ~44.7 | | |
| da min. | mounting dimension | 62 | | 5418 |
| Da max. | mounting dimension | 76 | | 5418 |
| ra max. | mounting dimension | 0.3 | | 5418 |
| e | calculation factor | 0.8 | | 281 |
| Y1 | calculation factor | 0.78 | | 281 |
| Y2 | calculation factor | 1.24 | | 281 |
| Y0 | calculation factor | 0.66 | | 76 |
| X | calculation factor | 0.63 | | 281 |

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## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 14300 | 855 | | 281 | 16400 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 4050 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **axial min. [µm]** | **max. [µm]** | | | | |
| | 13 | 36 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Balls | 100Cr6 | 683-17 | 58-66 |
| Cage | PA66+GF25 | | |
| Sealing washers | St12/NBR | | |

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.