Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

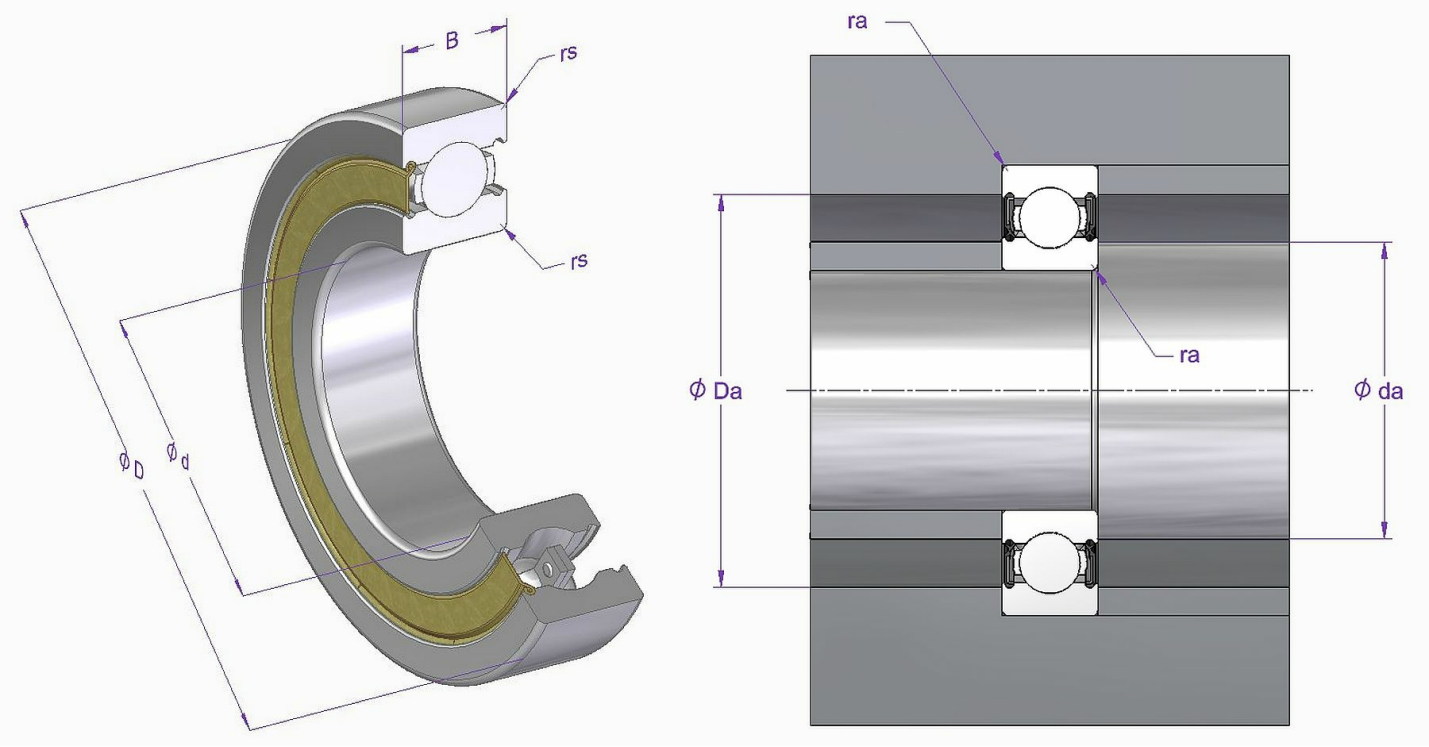


**article** 6008 Z C3 **Art-No.** 6894 **brand** SKA **weight/kg** 0.192

**description**

| | |
|---|---|
| 6008 | Size |
| Z | Shield on one side, not touching |
| C3 | Internal clearance |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 40 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 68 | 0 / -13 | 620-2 |
| B | width | 15 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 1 | | 625-1 |
| C3 | internal clearance | 0.015/0.033 | | 620-4 |
| da min. | mounting dimension | 44.6 | | 5418 |
| Da max. | mounting dimension | 63.4 | | 5418 |
| ra max. | mounting dimension | 1 | | 5418 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 18600 | 580 | 281 | 11500 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 10000 | 12000 |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -20 |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Balls | 100Cr6 | 683-17 | 58-66 |
| Cage | St12 | | |
| Shield | St12 | | |

**Hans Saurer Kugellager AG**
**Niederfeld 38**
**CH-9320 Stachen**



**article** 6008 Z C3 **Art-No.** 6894

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