## general data/description

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**article** 22318 CAM W33 **Art-No.** 39548

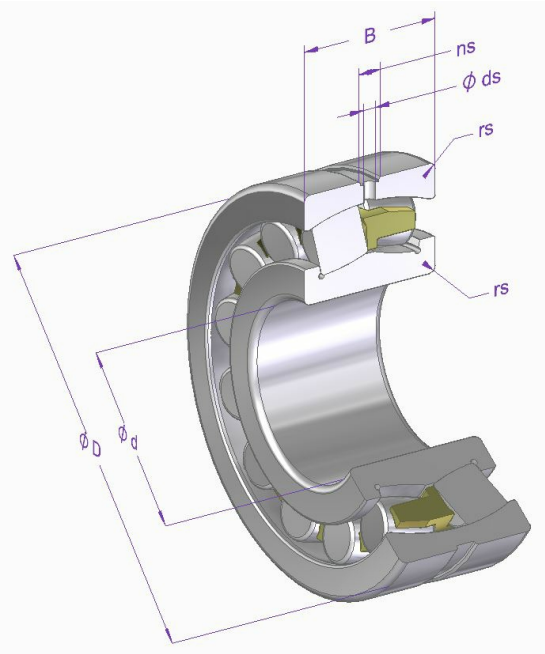
**brand** SKA **weight/kg** 8.45

**remark** Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e.

**description**

| | |
|---|---|
| 22318 | Size |
| CAM | Brass cages |
| W33 | Lubrication groove and -hole in outer ring |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 90 | 0 / -20 | 620-2 |
| D | nominal outer diameter | 190 | 0 / -30 | 620-2 |
| B | width | 64 | 0 / -200 | 620-2 |
| rs min. | minimal chamfer dimension | 3 | | 635-2 |
| ns | lubrication groove width | 8.3 | | WERKSNORM |
| ds | diameter lubrication hole | 3x Ø4.5 | | WERKSNORM |
| e | calculation factor | 0.34 | | 281 |
| Y1 | calculation factor | 2.0 | | 281 |
| Y2 | calculation factor | 2.97 | | 281 |
| Y0 | calculation factor | 1.95 | | 76 |
| X0 | calculation factor | 1 | | 76 |
| X1 | calculation factor | 1 | | 281 |
| X2 | calculation factor | 0.67 | | 281 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 489000 | 54800 | 281 | 629000 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 1800 | 2400 |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 60 | 100 |

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## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Spherical rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | CuZn40Pb2 | | |

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