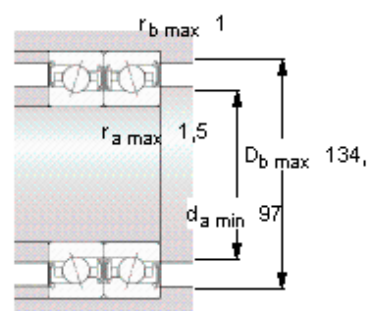
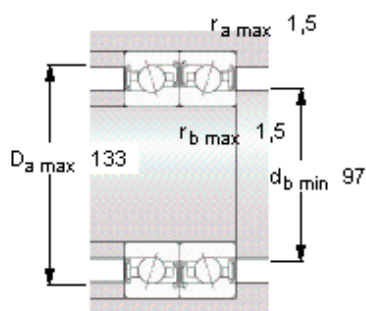
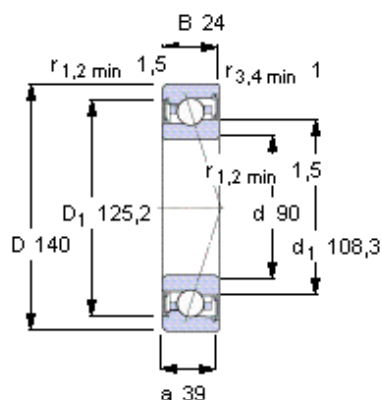


## SKF S7018 ACE/HCP4A参数

|        |         |                 |       |     |
|--------|---------|-----------------|-------|-----|
| 主要尺寸   | d       | 90              | mm    | —   |
|        | D       | 140             | mm    | —   |
|        | B       | 24              | mm    | —   |
| 基本额定载荷 | C       | 33800           | N     | 动载荷 |
|        | $C_0$   | 30000           | N     | 静载荷 |
| 疲劳载荷极限 | $P_u$   | 1200            | N     | —   |
| 可达转速   | Grease  | 14000           | r/min | —   |
|        | Oil-air | —               | r/min | —   |
| 重量     | 重量      | 1150            | g     | —   |
| 型号     | 型号      | S7018 ACE/HCP4A | —     | —   |

## SKF S7018 ACE/HCP4A图片



**Ball diameter** 11,112

**Number of balls** 28

### 未安装时的预载荷 [N]

背对背配置，面对面配置

预载荷等级

| A   | B   | C    | D |
|-----|-----|------|---|
| 300 | 920 | 1840 | - |

### Static axial stiffness [N/μm]

(guideline value)

预载荷等级

| A   | B   | C   | D |
|-----|-----|-----|---|
| 218 | 329 | 432 | - |

### Reference grease quantity [cm³]

$G_{ref}$  -

### 计算系数

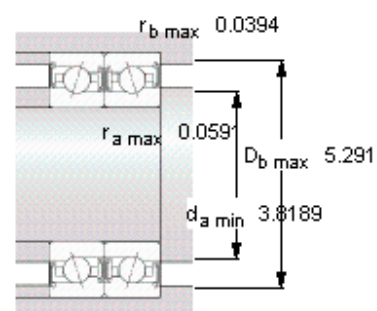
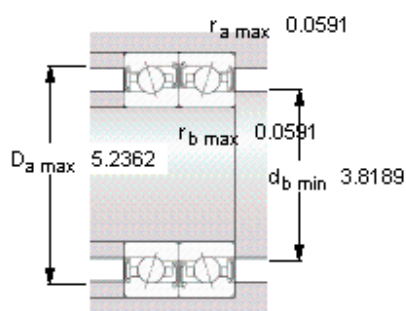
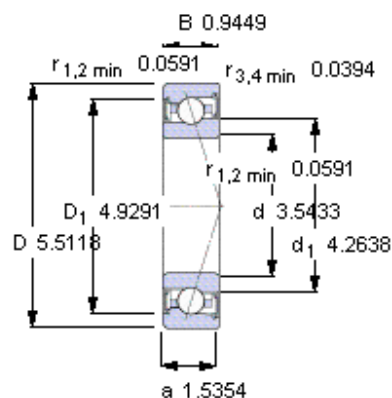
for equivalent bearing load

|       | 单列，串联 | 背对背配置，面对面配置 |
|-------|-------|-------------|
| e     | 0,68  | 0,68        |
| $X_1$ | 1     | 1           |
| $Y_1$ | 0     | 0,92        |
| $X_2$ | 0,41  | 0,67        |
| $Y_2$ | 0,87  | 1,41        |
| $X_0$ | 0,5   | 1           |
| $Y_0$ | 0,38  | 0,76        |

for preload in mounted bearing sets

|          |      |
|----------|------|
| f        | 1,1  |
| $f_1$    | 0,99 |
| $f_{2A}$ | 1    |
| $f_{2B}$ | 1,03 |
| $f_{2C}$ | 1,06 |
| $f_{2D}$ | -    |
| $f_{HC}$ | 1,01 |

参考资料: <http://www.sozhou.com/p/cb674cfe.html>



Ball diameter 11,112

Number of balls 28

#### 未安装时的预载荷 [N]

背对背配置，面对面配置

预载荷等级

| A   | B   | C    | D |
|-----|-----|------|---|
| 300 | 920 | 1840 | - |

#### Static axial stiffness [N/μm]

(guideline value)

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| A   | B   | C   | D |
|-----|-----|-----|---|
| 218 | 329 | 432 | - |

#### Reference grease quantity [cm³]

$G_{\text{ref}}$  -

#### 计算系数

for equivalent bearing load

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| $Y_1$ | 0     | 0,92        |
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for preload in mounted bearing sets

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