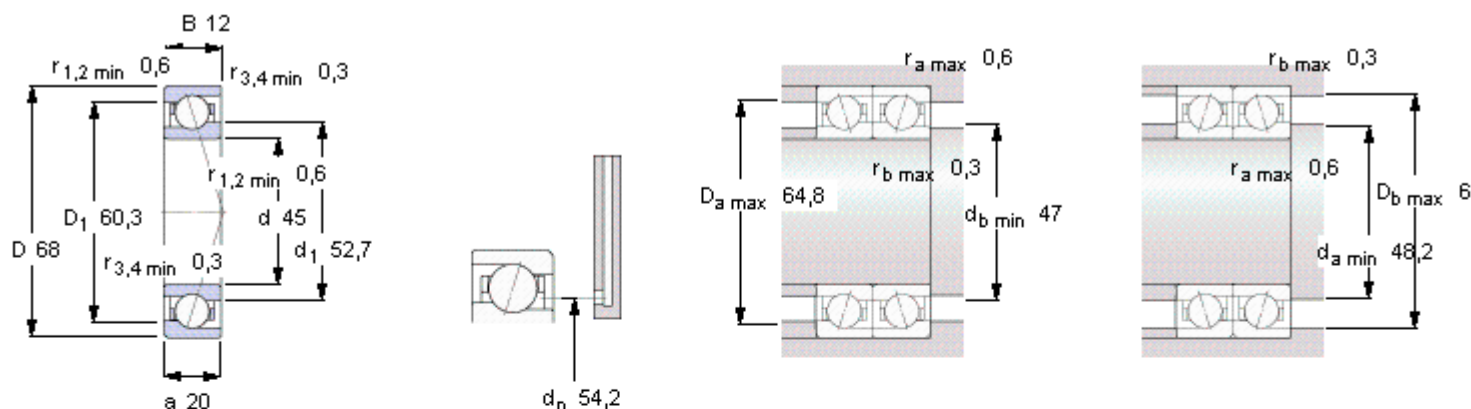


## SKF 71909 ACE/HCP4A参数

|        |         |                 |       |     |
|--------|---------|-----------------|-------|-----|
| 主要尺寸   | d       | 45              | mm    | —   |
|        | D       | 68              | mm    | —   |
|        | B       | 12              | mm    | —   |
| 基本额定载荷 | C       | 9750            | N     | 动载荷 |
|        | $C_0$   | 6550            | N     | 静载荷 |
| 疲劳载荷极限 | $P_u$   | 275             | N     | —   |
| 可达转速   | Grease  | 30000           | r/min | —   |
|        | Oil-air | 47000           | r/min | —   |
| 重量     | 重量      | 120             | g     | —   |
| 型号     | 型号      | 71909 ACE/HCP4A | —     | —   |

## SKF 71909 ACE/HCP4A图片



Ball diameter 6,35

Number of balls 21

### 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 |
|----|-----|-----|---|
| 88 | 265 | 529 | - |

### Static axial stiffness [N/μm]

(guideline value)

预载荷等级

| A  | B   | C   | D |
|----|-----|-----|---|
| 94 | 141 | 185 | - |

### Reference grease quantity [cm³]

G<sub>ref</sub> 1,5

### 计算系数

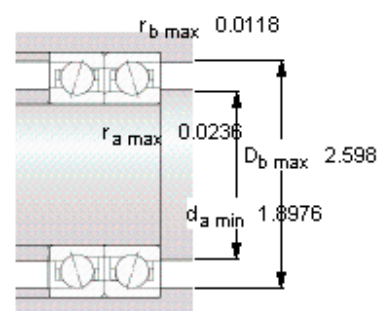
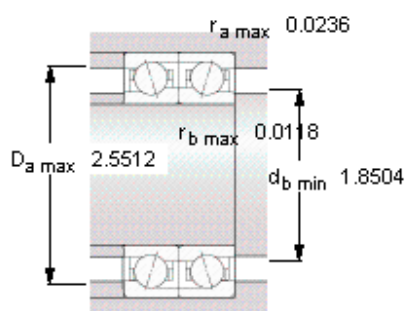
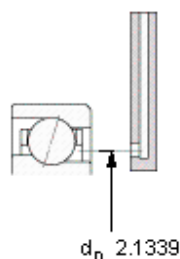
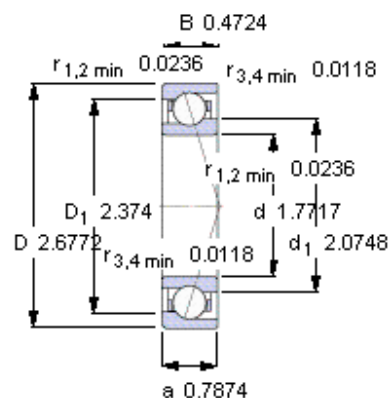
for equivalent bearing load

|                | 单列，串联 | 背对背配置，面对面配置 |
|----------------|-------|-------------|
| e              | 0,68  | 0,68        |
| X <sub>1</sub> | 1     | 1           |
| Y <sub>1</sub> | 0     | 0,92        |
| X <sub>2</sub> | 0,41  | 0,67        |
| Y <sub>2</sub> | 0,87  | 1,41        |
| X <sub>0</sub> | 0,5   | 1           |
| Y <sub>0</sub> | 0,38  | 0,76        |

for preload in mounted bearing sets

|                 |      |
|-----------------|------|
| f               | 1,09 |
| f <sub>1</sub>  | 0,98 |
| f <sub>2A</sub> | 1    |
| f <sub>2B</sub> | 1,04 |
| f <sub>2C</sub> | 1,08 |
| f <sub>2D</sub> | -    |
| f <sub>HC</sub> | 1,01 |

参考资料: <http://www.sozhou.com/p/ce0449c7.html>



**Ball diameter** 6,35  
**Number of balls** 21

#### 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 |
|----|-----|-----|---|
| 88 | 265 | 529 | - |

#### Static axial stiffness [N/μm]

(guideline value)

预载荷等级

| A  | B   | C   | D |
|----|-----|-----|---|
| 94 | 141 | 185 | - |

#### Reference grease quantity [cm³]

G<sub>ref</sub> 1,5

#### 计算系数

for equivalent bearing load

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for preload in mounted bearing sets

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