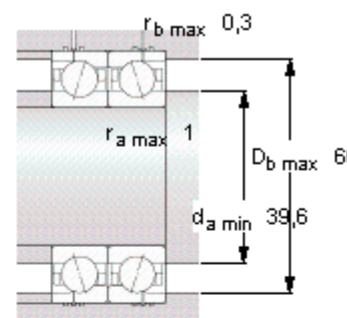
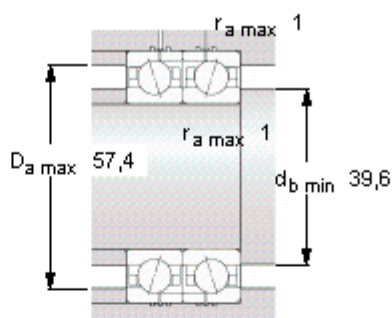
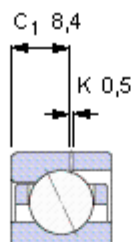
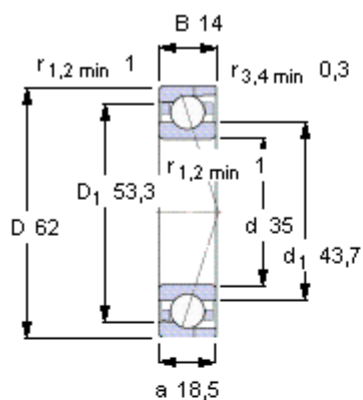


## SKF 7007 ACD/HCP4AH参数

|        |         |                 |       |     |
|--------|---------|-----------------|-------|-----|
| 主要尺寸   | d       | 35              | mm    | —   |
|        | D       | 62              | mm    | —   |
|        | B       | 14              | mm    | —   |
| 基本额定载荷 | C       | 14800           | N     | 动载荷 |
|        | $C_0$   | 9000            | N     | 静载荷 |
| 疲劳载荷极限 | $P_u$   | 380             | N     | —   |
| 可达转速   | Grease  | 24000           | r/min | —   |
|        | Oil-air | 38000           | r/min | —   |
| 重量     | 重量      | 130             | g     | —   |
| 型号     | 型号      | 7007 ACD/HCP4AH | —     | —   |

## SKF 7007 ACD/HCP4AH图片



Ball diameter 7,938

Number of balls 16

### 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   |
|----|-----|-----|-----|
| 90 | 180 | 360 | 720 |

### Static axial stiffness [N/μm]

(guideline value)

预载荷等级

| A  | B   | C   | D   |
|----|-----|-----|-----|
| 95 | 123 | 160 | 211 |

### Reference grease quantity [cm³]

G<sub>ref</sub> 2

### 计算系数

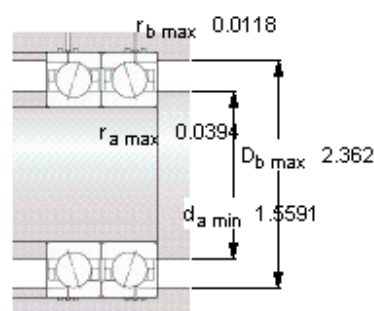
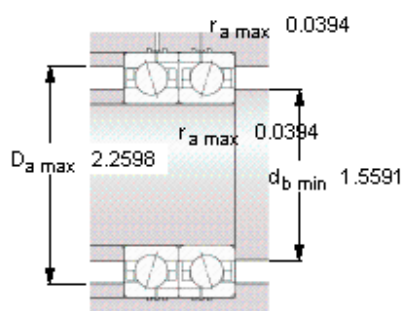
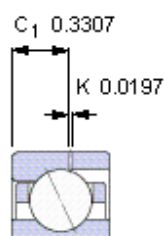
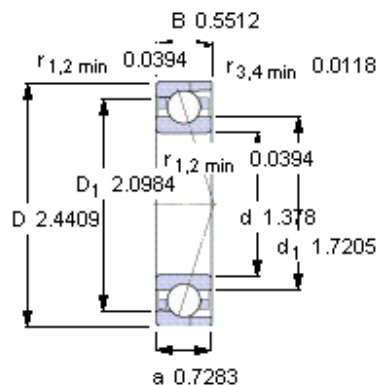
for equivalent bearing load

|                | 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               | 1,06 |
| f <sub>1</sub>  | 0,99 |
| f <sub>2A</sub> | 1    |
| f <sub>2B</sub> | 1,02 |
| f <sub>2C</sub> | 1,05 |
| f <sub>2D</sub> | 1,08 |
| f <sub>HC</sub> | 1,02 |

参考资料: <http://www.sozhou.com/p/595568d2.html>



**Ball diameter** 7,938  
**Number of balls** 16

#### 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   |
|----|-----|-----|-----|
| 90 | 180 | 360 | 720 |

#### Static axial stiffness [N/μm]

(guideline value)

预载荷等级

| A  | B   | C   | D   |
|----|-----|-----|-----|
| 95 | 123 | 160 | 211 |

#### Reference grease quantity [cm³]

G<sub>ref</sub> 2

#### 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               | 1,06 |
| f <sub>1</sub>  | 0,99 |
| f <sub>2A</sub> | 1    |
| f <sub>2B</sub> | 1,02 |
| f <sub>2C</sub> | 1,05 |
| f <sub>2D</sub> | 1,08 |
| f <sub>HC</sub> | 1,02 |