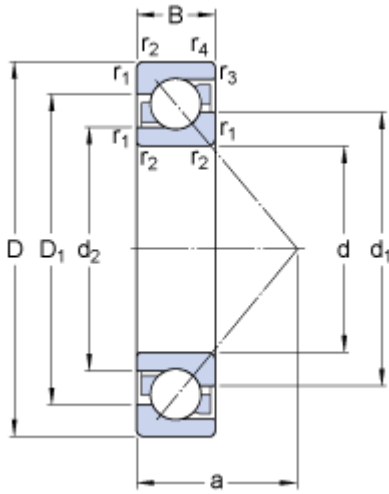


7218 BECBP

SKF Explorer

Dimensions



| | | |
|------------------|----------|----|
| d | 90 | mm |
| D | 160 | mm |
| B | 30 | mm |
| d ₁ | ≈ 117.1 | mm |
| d ₂ | ≈ 103.06 | mm |
| D ₁ | ≈ 134.8 | mm |
| a | 67 | mm |
| r _{1,2} | min. 2 | mm |
| r _{3,4} | min. 1 | mm |

Abutment dimensions



| | | |
|----------------|----------|----|
| d _a | min. 101 | mm |
| D _a | max. 149 | mm |
| D _b | max. 154 | mm |
| r _a | max. 2 | mm |
| r _b | max. 1 | mm |

Calculation data

| | | | |
|---------------------------|----------------|-------|-------|
| Basic dynamic load rating | C | 116 | kN |
| Basic static load rating | C | 104 | kN |
| Fatigue load limit | P _u | 4 | kN |
| Reference speed | | 3600 | r/min |
| Limiting speed | | 5000 | r/min |
| Calculation factor | A | 0.149 | |
| Calculation factor | k _r | 0.095 | |
| Calculation factor | e | 1.14 | |

Single bearing or bearing pair arranged in tandem

| | | |
|--------------------|----------------|------|
| Calculation factor | X | 0.35 |
| Calculation factor | Y | 0.26 |
| Calculation factor | Y ₂ | 0.57 |

Bearing pair arranged back-to-back or face-to-face

| | | |
|--------------------|---|------|
| Calculation factor | X | 0.57 |
| Calculation factor | Y | 0.52 |

| | | |
|--------------------|-------|------|
| Calculation factor | Y_1 | 0.55 |
| Calculation factor | Y_2 | 0.93 |

Mass

| | | | |
|--------------|--|-----|----|
| Mass bearing | | 2.3 | kg |
|--------------|--|-----|----|