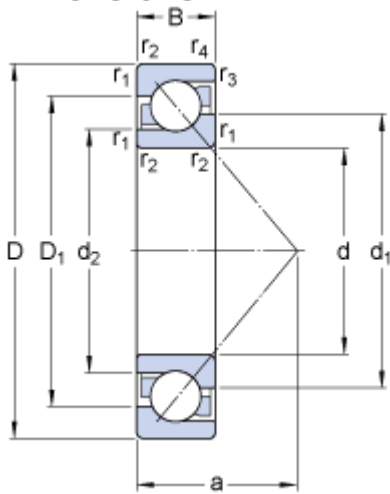


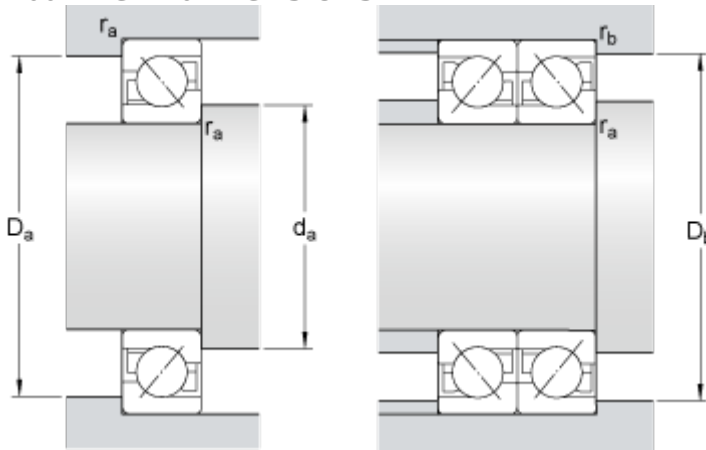
7204 BEP

Dimensions



| | | |
|------------------|----------|----|
| d | 20 | mm |
| D | 47 | mm |
| B | 14 | mm |
| d ₁ | ≈ 30.8 | mm |
| d ₂ | ≈ 25.87 | mm |
| D ₁ | ≈ 37 | mm |
| a | 21 | mm |
| r _{1,2} | min. 1 | mm |
| r _{3,4} | min. 0.6 | mm |

Abutment dimensions



| | | |
|----------------|-----------|----|
| d _a | min. 25.6 | mm |
| D _a | max. 41.4 | mm |
| D _b | max. 42.8 | mm |
| r _a | max. 1 | mm |
| r _b | max. 0.6 | mm |

Calculation data

| | | | |
|---------------------------|----------------|---------|-------|
| Basic dynamic load rating | C | 13.3 | kN |
| Basic static load rating | C | 7.65 | kN |
| Fatigue load limit | P _u | 0.325 | kN |
| Reference speed | | 13000 | r/min |
| Limiting speed | | 18000 | r/min |
| Calculation factor | A | 0.00113 | |
| 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

0.11

kg