

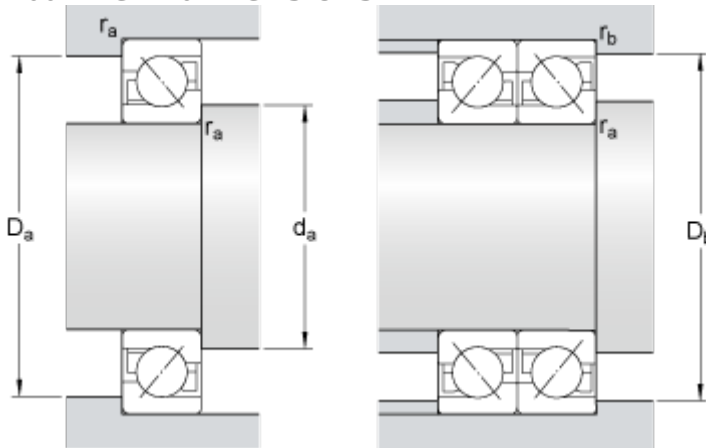
7307 BEP

Dimensions



| | | | |
|------------------|------|-------|----|
| d | | 35 | mm |
| D | | 80 | mm |
| B | | 21 | mm |
| d ₁ | ≈ | 52.5 | mm |
| d ₂ | ≈ | 43.62 | mm |
| D ₁ | ≈ | 63.45 | mm |
| a | | 35 | mm |
| r _{1,2} | min. | 1.5 | mm |
| r _{3,4} | min. | 1 | mm |

Abutment dimensions



| | | | |
|----------------|------|------|----|
| d _a | min. | 44 | mm |
| D _a | max. | 71 | mm |
| D _b | max. | 74.4 | mm |
| r _a | max. | 1.5 | mm |
| r _b | max. | 1 | mm |

Calculation data

| | | | |
|---------------------------|----------------|--------|-------|
| Basic dynamic load rating | C | 39 | kN |
| Basic static load rating | C | 24.5 | kN |
| Fatigue load limit | P _u | 1.04 | kN |
| Reference speed | | 7500 | r/min |
| Limiting speed | | 10000 | r/min |
| Calculation factor | A | 0.0111 | |
| Calculation factor | k _r | 0.1 | |
| 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

0.45

kg