

Technical Specification

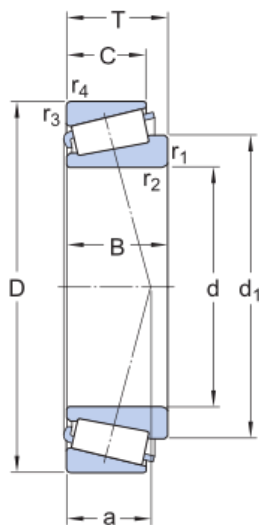
SKF performance class

SKF Explorer

Dimension series

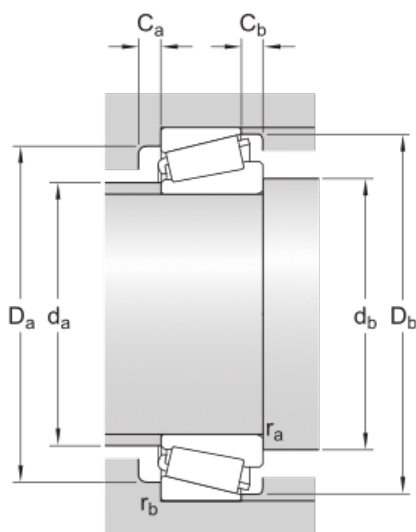
3900

Dimensions



| | | |
|------------------|-------------|--------------------------------------|
| d | 66.675 mm | Bore diameter |
| D | 112.712 mm | Outside diameter |
| T | 30.162 mm | Total width |
| d ₁ | ≈ 87.9 mm | Shoulder diameter of inner ring |
| B | 30.048 mm | Width of inner ring |
| C | 23.812 mm | Width of outer ring |
| r _{1,2} | min. 3.5 mm | Chamfer dimension of inner ring |
| r _{3,4} | min. 3.3 mm | Chamfer dimension of outer ring |
| a | 25.064 mm | Distance side face to pressure point |

Abutment dimensions



| | | |
|----------------|-------------|---|
| d _a | max. 75 mm | Diameter of shaft abutment |
| d _b | min. 80 mm | Diameter of shaft abutment |
| D _a | min. 96 mm | Diameter of housing abutment |
| D _a | max. 101 mm | Diameter of housing abutment |
| D _b | min. 105 mm | Diameter of housing abutment |
| C _a | min. 4 mm | Minimum width of space required in housing on large side face |
| C _b | min. 6 mm | Minimum width of space required in housing on small side face |

| | | |
|----|-------------------|-----------------------------|
| ra | max. 3.5 mm | Radius of shaft fillet |
| rb | max. 3.3 mm | Radius of housing fillet |

Calculation data

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 152 kN |
| Basic static load rating | C ₀ | 183 kN |
| Fatigue load limit | P _u | 21.2 kN |
| Reference speed | | 4 800 r/min |
| Limiting speed | | 5 600 r/min |
| Limiting value | e | 0.4 |
| Calculation factor | Y | 1.5 |
| Calculation factor | Y ₀ | 0.8 |

Mass

| | |
|------|---------|
| Mass | 1.17 kg |
|------|---------|