

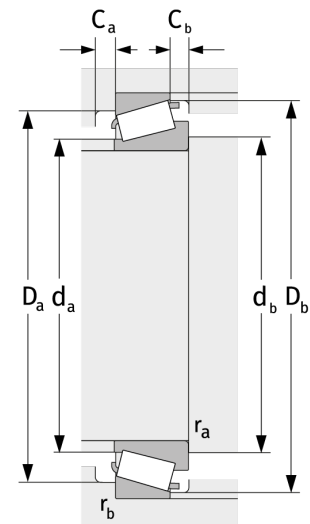
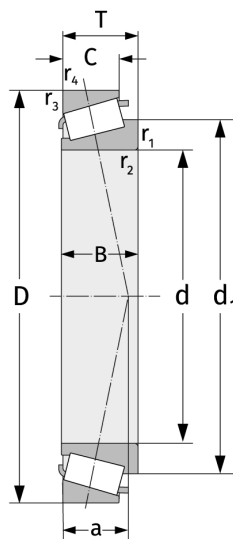
32917

Tapered Roller Bearings (single row, metric)



Details:

| Main dimensions | | | |
|-----------------|---------|-----------------------|---------|
| d [mm] | 85 | B [mm] | 23 |
| D [mm] | 120 | d ₁ [mm] | ≈ 100.9 |
| T [mm] | 23 | r _{1,2} [mm] | 1.5 |
| Weight [kg] | ≈ 0.764 | r _{3,4} [mm] | 1.5 |
| C [mm] | 18 | a [mm] | ≈ 21.1 |



| Mating dimensions | | Calculation data | |
|-------------------------|-----|--------------------------------------|------|
| d _{a,max} [mm] | 92 | C [kN] | 101 |
| d _{b,min} [mm] | 92 | C ₀ [kN] | 167 |
| D _{a,min} [mm] | 111 | C _u [kN] | 19.4 |
| D _{a,max} [mm] | 113 | n _{th} [min ⁻¹] | 3194 |
| D _{b,min} [mm] | 115 | n _g [min ⁻¹] | 5300 |
| C _{a,min} [mm] | 5 | e | 0,33 |
| C _{b,min} [mm] | 5 | Y | 1,83 |
| r _{a,max} [mm] | 1.5 | Y ₀ | 1,01 |
| r _{b,max} [mm] | 1.5 | | |