

32314B

Tapered Roller Bearings (single row, metric)



Details:

| Main dimensions | | | |
|-----------------|--------|-----------------------|---------|
| d [mm] | 70 | B [mm] | 51 |
| D [mm] | 150 | d ₁ [mm] | ≈ 111.6 |
| T [mm] | 54 | r _{1,2} [mm] | 3 |
| Weight [kg] | ≈ 4.56 | r _{3,4} [mm] | 2.5 |
| C [mm] | 42 | a [mm] | ≈ 44.2 |



| Mating dimensions | | Calculation data | |
|-------------------------|-----|--------------------------------------|------|
| d _{a,max} [mm] | 83 | C [kN] | 295 |
| d _{b,min} [mm] | 82 | C ₀ [kN] | 414 |
| D _{a,min} [mm] | 117 | C _u [kN] | 47.5 |
| D _{a,max} [mm] | 138 | n _{th} [min ⁻¹] | 3495 |
| D _{b,min} [mm] | 143 | n _g [min ⁻¹] | 4900 |
| C _{a,min} [mm] | 7 | e | 0,55 |
| C _{b,min} [mm] | 12 | Y | 1,1 |
| r _{a,max} [mm] | 3 | Y ₀ | 0,6 |
| r _{b,max} [mm] | 2.5 | | |