

NJ1910E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|---------|-----------------------|--------|
| d [mm] | 50 | d ₁ [mm] | ≈ 58.2 |
| D [mm] | 72 | D ₁ [mm] | ≈ 64.8 |
| B [mm] | 12 | r _{1,2} [mm] | 0.6 |
| Weight [kg] | ≈ 0.157 | r _{3,4} [mm] | 0.3 |
| F [mm] | 56 | s [mm] | 1.2 |



| Mating dimensions | | Calculation data | |
|--------------------------|------|--------------------------------------|-------|
| d _{a, min} [mm] | 53.2 | C [kN] | 24.4 |
| d _{a, max} [mm] | 56 | C ₀ [kN] | 31 |
| d _{b, min} [mm] | 59 | C _u [kN] | 4.07 |
| d _{c, min} [mm] | 61 | n _{th} [min ⁻¹] | 6760 |
| D _{a, max} [mm] | 68.8 | n _g [min ⁻¹] | 12000 |
| r _{a, max} [mm] | 0.6 | | |