

NJ2014E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|---------|-----------------------|--------|
| d [mm] | 70 | d ₁ [mm] | ≈ 83.9 |
| D [mm] | 110 | D ₁ [mm] | ≈ 97.1 |
| B [mm] | 24 | r _{1,2} [mm] | 1.1 |
| Weight [kg] | ≈ 0.864 | r _{3,4} [mm] | 1 |
| F [mm] | 79.5 | s [mm] | 2 |



| Mating dimensions | | Calculation data | |
|--------------------------|-----|--------------------------------------|------|
| d _{a, min} [mm] | 76 | C [kN] | 95.7 |
| d _{a, max} [mm] | 79 | C ₀ [kN] | 126 |
| d _{b, min} [mm] | 81 | C _u [kN] | 16.4 |
| d _{c, min} [mm] | 87 | n _{th} [min ⁻¹] | 5206 |
| D _{a, max} [mm] | 104 | n _g [min ⁻¹] | 8100 |
| r _{a, max} [mm] | 1 | | |