

NUP1917E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|---------|----------------|---------|
| d [mm] | 85 | d_1 [mm] | ≈ 97.6 |
| D [mm] | 120 | D_1 [mm] | ≈ 108.4 |
| B [mm] | 18 | $r_{1,2}$ [mm] | 1.1 |
| Weight [kg] | ≈ 0.656 | $r_{3,4}$ [mm] | 1 |
| F [mm] | 94 | s [mm] | 1.5 |



| Mating dimensions | | Calculation data | |
|--------------------|-----|--------------------------------|------|
| $d_{a, \min}$ [mm] | 91 | C [kN] | 66.5 |
| $d_{c, \min}$ [mm] | 100 | C_0 [kN] | 94.4 |
| $D_{a, \max}$ [mm] | 114 | C_u [kN] | 12.7 |
| $r_{a, \max}$ [mm] | 1 | n_{th} [min^{-1}] | 4420 |
| | | n_g [min^{-1}] | 7100 |