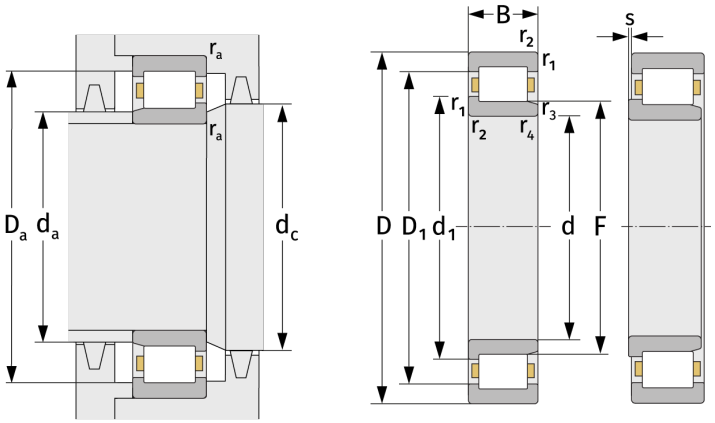
# NJ309E.M3

Cylindrical Roller Bearings (single row, with cage)

## Details:

| Main dimensions | | | |
|---|---|---|---|
| d [mm] | 45 | $d_1$ [mm] | ≈ 64.5 |
| D [mm] | 100 | $D_1$ [mm] | ≈ 82.5 |
| B [mm] | 25 | $r_{1,2}$ [mm] | 1.5 |
| Weight [kg] | ≈ 1 | $r_{3,4}$ [mm] | 1.5 |
| F [mm] | 58.5 | s [mm] | 2.9 |




| Mating dimensions | | Calculation data | |
|---|---|---|---|
| $d_{a, min}$ [mm] | 54 | C [kN] | 99.8 |
| $d_{a, max}$ [mm] | 57 | $C_0$ [kN] | 102 |
| $d_{b, min}$ [mm] | 60 | $C_u$ [kN] | 13.3 |
| $d_{c, min}$ [mm] | 66 | $n_{th}$ [$min^{-1}$] | 6506 |
| $D_{a, max}$ [mm] | 91 | $n_g$ [$min^{-1}$] | 10000 |
| $r_{a, max}$ [mm] | 1.5 | | |