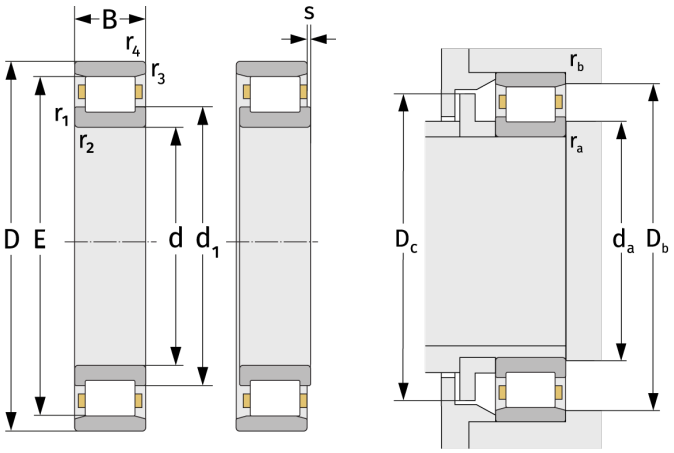
# N3911E.M3

Cylindrical Roller Bearings (single row, with cage)

## Details:

| Main dimensions | | | |
|---|---|---|---|
| d [mm] | 55 | $d_1$ [mm] | ≈ 64.1 |
| D [mm] | 80 | $r_{1,2}$ [mm] | 1 |
| B [mm] | 19 | $r_{3,4}$ [mm] | 0.6 |
| E [mm] | 74.5 | s [mm] | 1.2 |




| Mating dimensions | | Calculation data | |
|---|---|---|---|
| $d_{a, min}$ [mm] | 59.6 | C [kN] | 53.9 |
| $D_{b, min}$ [mm] | 76 | $C_0$ [kN] | 78.9 |
| $D_{c, max}$ [mm] | 73 | $C_u$ [kN] | 10.4 |
| $r_{a, max}$ [mm] | 1 | $n_{th}$ [$min^{-1}$] | 6123 |
| $r_{b, max}$ [mm] | 0.6 | $n_g$ [$min^{-1}$] | 11000 |