

NUP1909E.M3

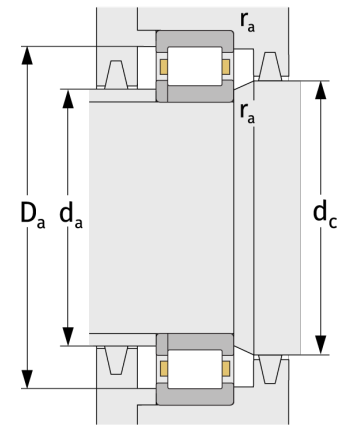
Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|---------|----------------|--------|
| d [mm] | 45 | d_1 [mm] | ≈ 53.7 |
| D [mm] | 68 | D_1 [mm] | ≈ 60.3 |
| B [mm] | 12 | $r_{1,2}$ [mm] | 0.6 |
| Weight [kg] | ≈ 0.157 | $r_{3,4}$ [mm] | 0.3 |
| F [mm] | 51.5 | s [mm] | 1.2 |



| Mating dimensions | | Calculation data | |
|--------------------|------|-------------------------------|-------|
| $d_{a, \min}$ [mm] | 48.2 | C [kN] | 22.6 |
| $d_{c, \min}$ [mm] | 55 | C_0 [kN] | 27.3 |
| $D_{a, \max}$ [mm] | 64.8 | C_u [kN] | 3.59 |
| $r_{a, \max}$ [mm] | 0.6 | n_{th} [min ⁻¹] | 7441 |
| | | n_g [min ⁻¹] | 13000 |