

# NJ312E.M3

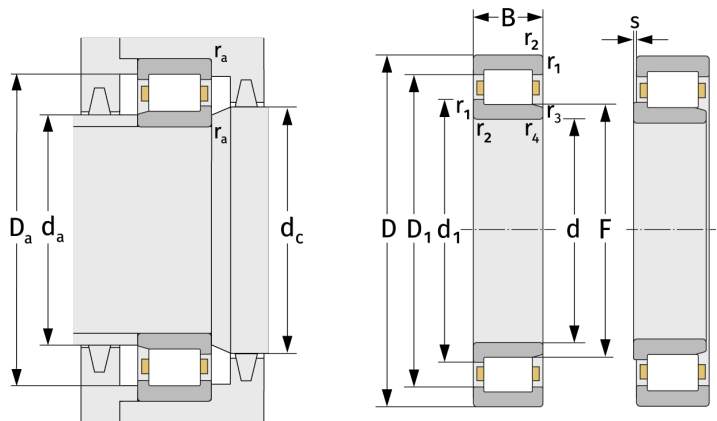
Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |        |                       |         |
|-------------|--------|-----------------------|---------|
| d [mm]      | 60     | d <sub>1</sub> [mm]   | ≈ 84.6  |
| D [mm]      | 130    | D <sub>1</sub> [mm]   | ≈ 107.4 |
| B [mm]      | 31     | r <sub>1,2</sub> [mm] | 2.1     |
| Weight [kg] | ≈ 2.09 | r <sub>3,4</sub> [mm] | 2.1     |
| F [mm]      | 77     | s [mm]                | 3.3     |



| Mating dimensions        |     | Calculation data                     |      |
|--------------------------|-----|--------------------------------------|------|
| d <sub>a, min</sub> [mm] | 72  | C [kN]                               | 154  |
| d <sub>a, max</sub> [mm] | 75  | C <sub>0</sub> [kN]                  | 163  |
| d <sub>b, min</sub> [mm] | 79  | C <sub>u</sub> [kN]                  | 21.3 |
| d <sub>c, min</sub> [mm] | 86  | n <sub>th</sub> [min <sup>-1</sup> ] | 5232 |
| D <sub>a, max</sub> [mm] | 118 | n <sub>g</sub> [min <sup>-1</sup> ]  | 7600 |
| r <sub>a, max</sub> [mm] | 2.1 |                                      |      |