

# N310E.M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |        |                       |        |
|-------------|--------|-----------------------|--------|
| d [mm]      | 50     | d <sub>1</sub> [mm]   | ≈ 71.4 |
| D [mm]      | 110    | r <sub>1,2</sub> [mm] | 2      |
| B [mm]      | 27     | r <sub>3,4</sub> [mm] | 2      |
| Weight [kg] | ≈ 1.26 | s [mm]                | 2.6    |
| E [mm]      | 97     |                       |        |



### Mating dimensions

### Calculation data

|                         |    |                                      |      |
|-------------------------|----|--------------------------------------|------|
| d <sub>a,min</sub> [mm] | 61 | C [kN]                               | 113  |
| D <sub>b,min</sub> [mm] | 99 | C <sub>0</sub> [kN]                  | 117  |
| D <sub>c,max</sub> [mm] | 95 | C <sub>u</sub> [kN]                  | 15.2 |
| r <sub>a,max</sub> [mm] | 2  | n <sub>th</sub> [min <sup>-1</sup> ] | 6077 |
| r <sub>b,max</sub> [mm] | 2  | n <sub>g</sub> [min <sup>-1</sup> ]  | 9100 |