

# N1980E.M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |        |                       |         |
|-------------|--------|-----------------------|---------|
| d [mm]      | 400    | d <sub>1</sub> [mm]   | ≈ 449.2 |
| D [mm]      | 540    | r <sub>1,2</sub> [mm] | 4       |
| B [mm]      | 65     | r <sub>3,4</sub> [mm] | 4       |
| Weight [kg] | ≈ 40.9 | s [mm]                | 5.3     |
| E [mm]      | 510    |                       |         |



### Mating dimensions

|                         |       |
|-------------------------|-------|
| d <sub>a,min</sub> [mm] | 414.6 |
| D <sub>b,min</sub> [mm] | 514   |
| D <sub>c,max</sub> [mm] | 506   |
| r <sub>a,max</sub> [mm] | 3     |
| r <sub>b,max</sub> [mm] | 3     |

### Calculation data

|                                      |      |
|--------------------------------------|------|
| C [kN]                               | 990  |
| C <sub>0</sub> [kN]                  | 1810 |
| C <sub>u</sub> [kN]                  | 158  |
| n <sub>th</sub> [min <sup>-1</sup> ] | 969  |
| n <sub>g</sub> [min <sup>-1</sup> ]  | 1400 |