

# N1852M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |        |                       |         |
|-------------|--------|-----------------------|---------|
| d [mm]      | 260    | d <sub>1</sub> [mm]   | ≈ 281.4 |
| D [mm]      | 320    | r <sub>1,2</sub> [mm] | 2       |
| B [mm]      | 28     | r <sub>3,4</sub> [mm] | 1.1     |
| Weight [kg] | ≈ 4.67 | s [mm]                | 4.1     |
| E [mm]      | 307    |                       |         |



### Mating dimensions

|                         |       |
|-------------------------|-------|
| d <sub>a,min</sub> [mm] | 268.8 |
| D <sub>b,min</sub> [mm] | 310   |
| D <sub>c,max</sub> [mm] | 304   |
| r <sub>a,max</sub> [mm] | 2     |
| r <sub>b,max</sub> [mm] | 1     |

### Calculation data

|                                      |      |
|--------------------------------------|------|
| C [kN]                               | 247  |
| C <sub>0</sub> [kN]                  | 483  |
| C <sub>u</sub> [kN]                  | 48.4 |
| n <sub>th</sub> [min <sup>-1</sup> ] | 1587 |
| n <sub>g</sub> [min <sup>-1</sup> ]  | 2400 |