

# N1080M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |        |                       |       |
|-------------|--------|-----------------------|-------|
| d [mm]      | 400    | d <sub>1</sub> [mm]   | ≈ 470 |
| D [mm]      | 600    | r <sub>1,2</sub> [mm] | 5     |
| B [mm]      | 90     | r <sub>3,4</sub> [mm] | 5     |
| Weight [kg] | ≈ 86.9 | s [mm]                | 12.5  |
| E [mm]      | 550    |                       |       |



### Mating dimensions

|                         |     |
|-------------------------|-----|
| d <sub>a,min</sub> [mm] | 418 |
| D <sub>b,min</sub> [mm] | 555 |
| D <sub>c,max</sub> [mm] | 545 |
| r <sub>a,max</sub> [mm] | 4   |
| r <sub>b,max</sub> [mm] | 4   |

### Calculation data

|                                      |      |
|--------------------------------------|------|
| C [kN]                               | 1430 |
| C <sub>0</sub> [kN]                  | 2420 |
| C <sub>u</sub> [kN]                  | 208  |
| n <sub>th</sub> [min <sup>-1</sup> ] | 963  |
| n <sub>g</sub> [min <sup>-1</sup> ]  | 1300 |