

# NUP1984E.M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |                |                |                 |
|-------------|----------------|----------------|-----------------|
| d [mm]      | 420            | $d_1$ [mm]     | $\approx 469.2$ |
| D [mm]      | 560            | $D_1$ [mm]     | $\approx 514.8$ |
| B [mm]      | 65             | $r_{1,2}$ [mm] | 4               |
| Weight [kg] | $\approx 45.4$ | $r_{3,4}$ [mm] | 4               |
| F [mm]      | 454            | s [mm]         | 5.3             |



### Mating dimensions

|                    |       |
|--------------------|-------|
| $d_{a, \min}$ [mm] | 434.6 |
| $d_{c, \min}$ [mm] | 473   |
| $D_{a, \max}$ [mm] | 545.4 |
| $r_{a, \max}$ [mm] | 3     |

### Calculation data

|                                |      |
|--------------------------------|------|
| C [kN]                         | 1030 |
| $C_0$ [kN]                     | 1930 |
| $C_u$ [kN]                     | 166  |
| $n_{th}$ [ $\text{min}^{-1}$ ] | 909  |
| $n_g$ [ $\text{min}^{-1}$ ]    | 1300 |