

# NUP3138M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

|             |              |                |                 |
|-------------|--------------|----------------|-----------------|
| d [mm]      | 190          | $d_1$ [mm]     | $\approx 236.4$ |
| D [mm]      | 320          | $D_1$ [mm]     | $\approx 279.6$ |
| B [mm]      | 104          | $r_{1,2}$ [mm] | 3               |
| Weight [kg] | $\approx 36$ | $r_{3,4}$ [mm] | 3               |
| F [mm]      | 222          | s [mm]         | 10              |



### Mating dimensions

|                    |     |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 204 |
| $d_{c, \min}$ [mm] | 238 |
| $D_{a, \max}$ [mm] | 306 |
| $r_{a, \max}$ [mm] | 2.5 |

### Calculation data

|                                |      |
|--------------------------------|------|
| C [kN]                         | 1120 |
| $C_0$ [kN]                     | 1810 |
| $C_u$ [kN]                     | 187  |
| $n_{th}$ [ $\text{min}^{-1}$ ] | 1479 |
| $n_g$ [ $\text{min}^{-1}$ ]    | 2700 |