

NU3144M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|----------------|----------------|-----------------|
| d [mm] | 220 | D_1 [mm] | ≈ 323.2 |
| D [mm] | 370 | $r_{1,2}$ [mm] | 4 |
| B [mm] | 120 | $r_{3,4}$ [mm] | 4 |
| Weight [kg] | ≈ 53.6 | s [mm] | 11.5 |
| F [mm] | 256 | | |



Mating dimensions

| | |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 237 |
| $d_{a, \max}$ [mm] | 253 |
| $d_{b, \min}$ [mm] | 259 |
| $D_{a, \max}$ [mm] | 353 |
| $r_{a, \max}$ [mm] | 3 |
| $r_{b, \max}$ [mm] | 3 |

Calculation data

| | |
|--------------------------------|------|
| C [kN] | 1500 |
| C_0 [kN] | 2470 |
| C_u [kN] | 245 |
| n_{th} [min^{-1}] | 1187 |
| n_g [min^{-1}] | 2300 |