

NU2218E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|----------------|----------------|-----------------|
| d [mm] | 90 | D_1 [mm] | ≈ 137.4 |
| D [mm] | 160 | $r_{1,2}$ [mm] | 2 |
| B [mm] | 40 | $r_{3,4}$ [mm] | 2 |
| Weight [kg] | ≈ 3.55 | s [mm] | 3.5 |
| F [mm] | 107 | | |



Mating dimensions

| | |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 101 |
| $d_{a, \max}$ [mm] | 105 |
| $d_{b, \min}$ [mm] | 109 |
| $D_{a, \max}$ [mm] | 149 |
| $r_{a, \max}$ [mm] | 2 |
| $r_{b, \max}$ [mm] | 2 |

Calculation data

| | |
|--------------------------------|------|
| C [kN] | 247 |
| C_0 [kN] | 322 |
| C_u [kN] | 40.9 |
| n_{th} [min^{-1}] | 3251 |
| n_g [min^{-1}] | 5800 |