

NU1808M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|----------------|
| d [mm] | 40 | D_1 [mm] | ≈ 47.8 |
| D [mm] | 52 | $r_{1,2}$ [mm] | 0.3 |
| B [mm] | 7 | $r_{3,4}$ [mm] | 0.2 |
| Weight [kg] | ≈ 0.037 | s [mm] | 1 |
| F [mm] | 43 | | |



Mating dimensions

| | |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 42 |
| $d_{a, \max}$ [mm] | 42 |
| $d_{b, \min}$ [mm] | 45 |
| $D_{a, \max}$ [mm] | 50 |
| $r_{a, \max}$ [mm] | 0.3 |
| $r_{b, \max}$ [mm] | 0.2 |

Calculation data

| | |
|--------------------------------|-------|
| C [kN] | 8.84 |
| C_0 [kN] | 11.8 |
| C_u [kN] | 1.54 |
| n_{th} [min^{-1}] | 7146 |
| n_g [min^{-1}] | 17000 |