

N2318E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|--------|-----------------------|---------|
| d [mm] | 90 | d ₁ [mm] | ≈ 124.7 |
| D [mm] | 190 | r _{1,2} [mm] | 3 |
| B [mm] | 64 | r _{3,4} [mm] | 3 |
| Weight [kg] | ≈ 8.86 | s [mm] | 3.5 |
| E [mm] | 169.5 | | |



Mating dimensions

| | |
|-------------------------|-----|
| d _{a,min} [mm] | 104 |
| D _{b,min} [mm] | 172 |
| D _{c,max} [mm] | 166 |
| r _{a,max} [mm] | 2.5 |
| r _{b,max} [mm] | 2.5 |

Calculation data

| | |
|--------------------------------------|------|
| C [kN] | 440 |
| C ₀ [kN] | 540 |
| C _u [kN] | 66.5 |
| n _{th} [min ⁻¹] | 3040 |
| n _g [min ⁻¹] | 5100 |