

N209E.M3

Cylindrical Roller Bearings (single row, with cage)



Details:

Main dimensions

| | | | |
|-------------|---------|-----------------------|--------|
| d [mm] | 45 | d ₁ [mm] | ≈ 58.9 |
| D [mm] | 85 | r _{1,2} [mm] | 1.1 |
| B [mm] | 19 | r _{3,4} [mm] | 1.1 |
| Weight [kg] | ≈ 0.477 | s [mm] | 1.9 |
| E [mm] | 76.5 | | |



Mating dimensions

Calculation data

| | | | |
|-------------------------|----|--------------------------------------|-------|
| d _{a,min} [mm] | 52 | C [kN] | 63.3 |
| D _{b,min} [mm] | 77 | C ₀ [kN] | 66.5 |
| D _{c,max} [mm] | 74 | C _u [kN] | 8.73 |
| r _{a,max} [mm] | 1 | n _{th} [min ⁻¹] | 6978 |
| r _{b,max} [mm] | 1 | n _g [min ⁻¹] | 12000 |