

# 81209M

Cylindrical Roller Thrust Bearings (single direction, metric)



## Details:

### Main dimensions

|             |        |                |      |
|-------------|--------|----------------|------|
| d [mm]      | 45     | B [mm]         | 5.5  |
| D [mm]      | 73     | $d_1$ [mm]     | ≈ 73 |
| T [mm]      | 20     | $D_1$ [mm]     | ≈ 47 |
| Weight [kg] | ≈ 0.34 | $r_{1,2}$ [mm] | 1    |



### Mating dimensions

|                    |    |
|--------------------|----|
| $d_{a, \min}$ [mm] | 69 |
| $D_{a, \max}$ [mm] | 48 |
| $r_{a, \max}$ [mm] | 1  |

### Calculation data

|                                |      |
|--------------------------------|------|
| C [kN]                         | 78.6 |
| $C_0$ [kN]                     | 238  |
| $C_u$ [kN]                     | 23.3 |
| $n_{th}$ [ $\text{min}^{-1}$ ] | 1888 |
| $n_g$ [ $\text{min}^{-1}$ ]    | 3600 |