

# 70948MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

|             |                |                |                 |
|-------------|----------------|----------------|-----------------|
| d [mm]      | 240            | $D_1$ [mm]     | $\approx 290.5$ |
| D [mm]      | 320            | $r_{1,2}$ [mm] | 1.5             |
| B [mm]      | 25             | $r_{3,4}$ [mm] | 1               |
| Weight [kg] | $\approx 5.74$ | $\alpha_0$ [°] | 30              |
| $d_1$ [mm]  | $\approx 271$  | a [mm]         | $\approx 93$    |



| Mating dimensions  |       | Calculation data               |      |
|--------------------|-------|--------------------------------|------|
| $d_{a, \min}$ [mm] | 247   | C [kN]                         | 118  |
| $D_{a, \max}$ [mm] | 313   | $C_0$ [kN]                     | 184  |
| $D_{b, \max}$ [mm] | 315.4 | $C_u$ [kN]                     | 5.51 |
| $r_{a, \max}$ [mm] | 1.5   | $n_{th}$ [ $\text{min}^{-1}$ ] | 1606 |
| $r_{b, \max}$ [mm] | 1     | $n_g$ [ $\text{min}^{-1}$ ]    | 2300 |