

# 71820MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

|             |                 |                |                 |
|-------------|-----------------|----------------|-----------------|
| d [mm]      | 100             | $D_1$ [mm]     | $\approx 116.8$ |
| D [mm]      | 125             | $r_{1,2}$ [mm] | 1               |
| B [mm]      | 13              | $r_{3,4}$ [mm] | 0.6             |
| Weight [kg] | $\approx 0.328$ | $\alpha_0$ [°] | 30              |
| $d_1$ [mm]  | $\approx 108.8$ | a [mm]         | $\approx 39$    |



| Mating dimensions  |       | Calculation data               |      |
|--------------------|-------|--------------------------------|------|
| $d_{a, \min}$ [mm] | 104.6 | C [kN]                         | 21.8 |
| $D_{a, \max}$ [mm] | 120.4 | $C_0$ [kN]                     | 27.3 |
| $D_{b, \max}$ [mm] | 121.8 | $C_u$ [kN]                     | 1.32 |
| $r_{a, \max}$ [mm] | 1     | $n_{th}$ [ $\text{min}^{-1}$ ] | 3477 |
| $r_{b, \max}$ [mm] | 0.6   | $n_g$ [ $\text{min}^{-1}$ ]    | 6100 |