

# 718/750MP

Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

|             |                 |                |                 |
|-------------|-----------------|----------------|-----------------|
| d [mm]      | 750             | $D_1$ [mm]     | $\approx 867.4$ |
| D [mm]      | 920             | $r_{1,2}$ [mm] | 5               |
| B [mm]      | 78              | $r_{3,4}$ [mm] | 2               |
| Weight [kg] | $\approx 103$   | $\alpha_0$ [°] | 30              |
| $d_1$ [mm]  | $\approx 807.3$ | a [mm]         | $\approx 280$   |



| Mating dimensions  |       | Calculation data               |      |
|--------------------|-------|--------------------------------|------|
| $d_{a, \min}$ [mm] | 768   | C [kN]                         | 650  |
| $D_{a, \max}$ [mm] | 902   | $C_0$ [kN]                     | 1680 |
| $D_{b, \max}$ [mm] | 911.2 | $C_u$ [kN]                     | 28.4 |
| $r_{a, \max}$ [mm] | 4     | $n_{th}$ [ $\text{min}^{-1}$ ] | 471  |
| $r_{b, \max}$ [mm] | 2     | $n_g$ [ $\text{min}^{-1}$ ]    | 630  |