

708/710MP

Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|---------|----------------|-------|
| d [mm] | 710 | D_1 [mm] | ≈ 811 |
| D [mm] | 870 | $r_{1,2}$ [mm] | 4 |
| B [mm] | 50 | $r_{3,4}$ [mm] | 1.5 |
| Weight [kg] | ≈ 64.7 | α_0 [°] | 30 |
| d_1 [mm] | ≈ 772.1 | a [mm] | ≈ 253 |



| Mating dimensions | | Calculation data | |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 724.6 | C [kN] | 403 |
| $D_{a, \max}$ [mm] | 855.4 | C_0 [kN] | 1000 |
| $D_{b, \max}$ [mm] | 863 | C_u [kN] | 17.4 |
| $r_{a, \max}$ [mm] | 3 | n_{th} [min ⁻¹] | 469 |
| $r_{b, \max}$ [mm] | 1.5 | n_g [min ⁻¹] | 680 |