

7420B.MP

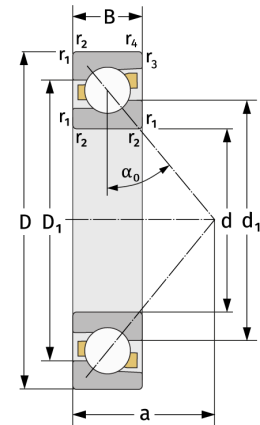
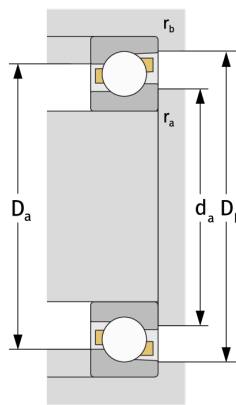
Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|---------------|
| d [mm] | 100 | D_1 [mm] | ≈ 198 |
| D [mm] | 250 | $r_{1,2}$ [mm] | 4 |
| B [mm] | 58 | $r_{3,4}$ [mm] | 1.5 |
| Weight [kg] | ≈ 15.4 | α_0 [°] | 40 |
| d_1 [mm] | ≈ 156.9 | a [mm] | ≈ 102 |



| Mating dimensions | | Calculation data | |
|--------------------|-----|-------------------------------|------|
| $d_{a, \min}$ [mm] | 120 | C [kN] | 276 |
| $D_{a, \max}$ [mm] | 230 | C_0 [kN] | 266 |
| $D_{b, \max}$ [mm] | 239 | C_u [kN] | 10.2 |
| $r_{a, \max}$ [mm] | 3 | n_{th} [min ⁻¹] | 2824 |
| $r_{b, \max}$ [mm] | 1.5 | n_g [min ⁻¹] | 3800 |