

70834MP

Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|-----------------|
| d [mm] | 170 | D_1 [mm] | ≈ 198.2 |
| D [mm] | 215 | $r_{1,2}$ [mm] | 0.6 |
| B [mm] | 14 | $r_{3,4}$ [mm] | 0.3 |
| Weight [kg] | ≈ 1.24 | α_0 [°] | 30 |
| d_1 [mm] | ≈ 187.6 | a [mm] | ≈ 63 |



| Mating dimensions | | Calculation data | |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 173.2 | C [kN] | 40 |
| $D_{a, \max}$ [mm] | 211.8 | C_0 [kN] | 61.2 |
| $D_{b, \max}$ [mm] | 213 | C_u [kN] | 2.24 |
| $r_{a, \max}$ [mm] | 0.6 | n_{th} [min ⁻¹] | 1882 |
| $r_{b, \max}$ [mm] | 0.3 | n_g [min ⁻¹] | 3500 |