

7016MP

Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|----------------|----------------|---------------|
| d [mm] | 80 | D_1 [mm] | ≈ 109 |
| D [mm] | 125 | $r_{1,2}$ [mm] | 1.1 |
| B [mm] | 22 | $r_{3,4}$ [mm] | 0.6 |
| Weight [kg] | ≈ 0.95 | α_0 [°] | 30 |
| d_1 [mm] | ≈ 97.4 | a [mm] | ≈ 41 |



| Mating dimensions | | Calculation data | |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 86 | C [kN] | 60.1 |
| $D_{a, \max}$ [mm] | 119 | C_0 [kN] | 56 |
| $D_{b, \max}$ [mm] | 121.8 | C_u [kN] | 2.85 |
| $r_{a, \max}$ [mm] | 1 | n_{th} [min ⁻¹] | 4910 |
| $r_{b, \max}$ [mm] | 0.6 | n_g [min ⁻¹] | 6700 |