

71824MP

Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|-----------------|
| d [mm] | 120 | D_1 [mm] | ≈ 140.3 |
| D [mm] | 150 | $r_{1,2}$ [mm] | 1 |
| B [mm] | 16 | $r_{3,4}$ [mm] | 0.6 |
| Weight [kg] | ≈ 0.576 | α_0 [°] | 30 |
| d_1 [mm] | ≈ 130.5 | a [mm] | ≈ 47 |



| Mating dimensions | | Calculation data | |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 124.6 | C [kN] | 30.9 |
| $D_{a, \max}$ [mm] | 145.4 | C_0 [kN] | 39.7 |
| $D_{b, \max}$ [mm] | 146.8 | C_u [kN] | 1.75 |
| $r_{a, \max}$ [mm] | 1 | n_{th} [min ⁻¹] | 3141 |
| $r_{b, \max}$ [mm] | 0.6 | n_g [min ⁻¹] | 5000 |