

# 71819MP

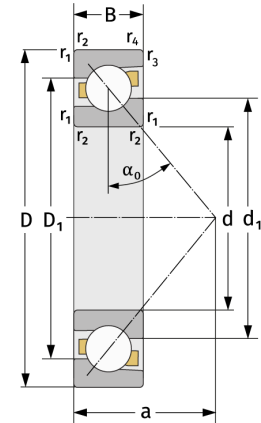
Angular Contact Ball Bearings (single row, metric)



## Details:

### Main dimensions

|             |                 |                |                 |
|-------------|-----------------|----------------|-----------------|
| d [mm]      | 95              | $D_1$ [mm]     | $\approx 111.8$ |
| D [mm]      | 120             | $r_{1,2}$ [mm] | 1               |
| B [mm]      | 13              | $r_{3,4}$ [mm] | 0.3             |
| Weight [kg] | $\approx 0.313$ | $\alpha_0$ [°] | 30              |
| $d_1$ [mm]  | $\approx 103.8$ | a [mm]         | $\approx 38$    |



| Mating dimensions  |       | Calculation data              |      |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 99.6  | C [kN]                        | 21.3 |
| $D_{a, \max}$ [mm] | 115.4 | $C_0$ [kN]                    | 26   |
| $D_{b, \max}$ [mm] | 118   | $C_u$ [kN]                    | 1.29 |
| $r_{a, \max}$ [mm] | 1     | $n_{th}$ [min <sup>-1</sup> ] | 3670 |
| $r_{b, \max}$ [mm] | 0.3   | $n_g$ [min <sup>-1</sup> ]    | 6400 |