

7284B.MP

Angular Contact Ball Bearings (single row, metric)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|-----------------|
| d [mm] | 420 | D_1 [mm] | ≈ 628.5 |
| D [mm] | 760 | $r_{1,2}$ [mm] | 7.5 |
| B [mm] | 109 | $r_{3,4}$ [mm] | 4 |
| Weight [kg] | ≈ 226 | α_0 [°] | 40 |
| d_1 [mm] | ≈ 559.6 | a [mm] | ≈ 302 |



Mating dimensions

$d_{a, \min}$ [mm]

452

Calculation data

C [kN]

800

$D_{a, \max}$ [mm]

728

C_0 [kN]

1690

$D_{b, \max}$ [mm]

743

C_u [kN]

34.3

$r_{a, \max}$ [mm]

6

n_{th} [min⁻¹]

791

$r_{b, \max}$ [mm]

3

n_g [min⁻¹]

980