

24184EA.M

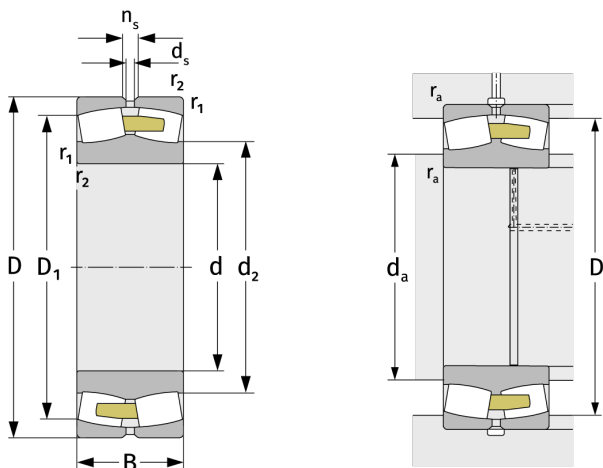
Spherical Roller Bearings (metric)



Details:

Main dimensions

| | | | |
|-------------|-------|----------------|---------|
| d [mm] | 420 | D_1 [mm] | ≈ 596.6 |
| D [mm] | 700 | d_s [mm] | 12.5 |
| B [mm] | 280 | n_s [mm] | 23.5 |
| Weight [kg] | ≈ 443 | $r_{1,2}$ [mm] | 6 |
| d_2 [mm] | ≈ 495 | | |



Mating dimensions

| | |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 446 |
| $D_{a, \max}$ [mm] | 674 |
| $r_{a, \max}$ [mm] | 5 |

Calculation data

| | |
|--------------------------------|-------|
| C [kN] | 6450 |
| C_0 [kN] | 12500 |
| C_u [kN] | 832 |
| n_{th} [min^{-1}] | 276 |
| n_g [min^{-1}] | 740 |
| e | 0,39 |
| Y_1 | 1,75 |
| Y_2 | 2,61 |
| Y_0 | 1,71 |