

23944EA.M

Spherical Roller Bearings (metric)



Details:

Main dimensions

| | | | |
|---------------------|---------|-----------------------|---------|
| d [mm] | 220 | D ₁ [mm] | ≈ 277.2 |
| D [mm] | 300 | d _s [mm] | 6.3 |
| B [mm] | 60 | n _s [mm] | 12.2 |
| Weight [kg] | ≈ 12.4 | r _{1,2} [mm] | 2.1 |
| d ₂ [mm] | ≈ 247.8 | | |



Mating dimensions

| | |
|-------------------------|-------|
| d _{a,min} [mm] | 230 |
| D _{a,max} [mm] | 289.8 |
| r _{a,max} [mm] | 2.1 |

Calculation data

| | |
|--------------------------------------|------|
| C [kN] | 605 |
| C ₀ [kN] | 1220 |
| C _u [kN] | 97.9 |
| n _{th} [min ⁻¹] | 1477 |
| n _g [min ⁻¹] | 2500 |
| e | 0,17 |
| Y ₁ | 4 |
| Y ₂ | 5,96 |
| Y ₀ | 3,91 |