

23164EA.M

Spherical Roller Bearings (metric)



Details:

Main dimensions

| | | | |
|-------------|-----------------|----------------|-----------------|
| d [mm] | 320 | D_1 [mm] | ≈ 464.8 |
| D [mm] | 540 | d_s [mm] | 12.5 |
| B [mm] | 176 | n_s [mm] | 23.5 |
| Weight [kg] | ≈ 171 | $r_{1,2}$ [mm] | 5 |
| d_2 [mm] | ≈ 387.2 | | |



Mating dimensions

| | |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 340 |
| $D_{a, \max}$ [mm] | 520 |
| $r_{a, \max}$ [mm] | 4 |

Calculation data

| | |
|--------------------------------|------|
| C [kN] | 3300 |
| C_0 [kN] | 6150 |
| C_u [kN] | 437 |
| n_{th} [min^{-1}] | 643 |
| n_g [min^{-1}] | 1200 |
| e | 0,31 |
| Y_1 | 2,16 |
| Y_2 | 3,22 |
| Y_0 | 2,12 |