

# 22256EA.M

Spherical Roller Bearings (metric)



## Details:

### Main dimensions

|             |                 |                |                 |
|-------------|-----------------|----------------|-----------------|
| d [mm]      | 280             | $D_1$ [mm]     | $\approx 440.2$ |
| D [mm]      | 500             | $d_s$ [mm]     | 12.5            |
| B [mm]      | 130             | $n_s$ [mm]     | 23.5            |
| Weight [kg] | $\approx 111$   | $r_{1,2}$ [mm] | 5               |
| $d_2$ [mm]  | $\approx 351.2$ |                |                 |



### Mating dimensions

|                    |     |
|--------------------|-----|
| $d_{a, \min}$ [mm] | 300 |
| $D_{a, \max}$ [mm] | 480 |
| $r_{a, \max}$ [mm] | 4   |

### Calculation data

|                                |      |
|--------------------------------|------|
| C [kN]                         | 2400 |
| $C_0$ [kN]                     | 3790 |
| $C_u$ [kN]                     | 275  |
| $n_{th}$ [ $\text{min}^{-1}$ ] | 985  |
| $n_g$ [ $\text{min}^{-1}$ ]    | 1500 |
| e                              | 0,26 |
| $Y_1$                          | 2,64 |
| $Y_2$                          | 3,93 |
| $Y_0$                          | 2,58 |