

# 23060EA.M

Spherical Roller Bearings (metric)



## Details:

| Main dimensions     |         |                       |         |
|---------------------|---------|-----------------------|---------|
| d [mm]              | 300     | D <sub>1</sub> [mm]   | ≈ 413.5 |
| D [mm]              | 460     | d <sub>s</sub> [mm]   | 9.5     |
| B [mm]              | 118     | n <sub>s</sub> [mm]   | 17.7    |
| Weight [kg]         | ≈ 72.1  | r <sub>1,2</sub> [mm] | 4       |
| d <sub>2</sub> [mm] | ≈ 353.1 |                       |         |



| Mating dimensions  |       | Calculation data              |      |
|--------------------|-------|-------------------------------|------|
| $d_{a, \min}$ [mm] | 315   | C [kN]                        | 1890 |
| $D_{a, \max}$ [mm] | 445.4 | $C_0$ [kN]                    | 3540 |
| $r_{a, \max}$ [mm] | 3     | $C_u$ [kN]                    | 259  |
|                    |       | $n_{th}$ [min <sup>-1</sup> ] | 986  |
|                    |       | $n_g$ [min <sup>-1</sup> ]    | 1500 |
|                    |       | e                             | 0,23 |
|                    |       | $Y_1$                         | 2,9  |
|                    |       | $Y_2$                         | 4,31 |
|                    |       | $Y_0$                         | 2,83 |