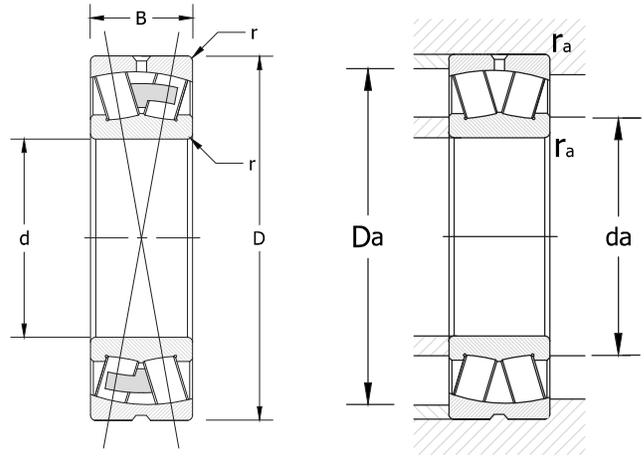


# Spherical Roller Bearings

## 22300 Medium Series



- 1 piece CAM brass cage
- W33 oil hole & groove in OD
- Available with a tapered bore for adapter style mounting - suffix "K"

| Bearing Designation | Dimensions |     |     | rsmin<br>(In) | Load Ratings<br>(Lbs) |                 | Limiting Speeds<br>(r/min) |      | Mounting<br>Dimensions<br>(mm) |           |           | Weight<br>(Lbs) |
|---------------------|------------|-----|-----|---------------|-----------------------|-----------------|----------------------------|------|--------------------------------|-----------|-----------|-----------------|
|                     | d          | D   | B   |               | Dynamic<br>(Cr)       | Static<br>(Cor) | Grease                     | Oil  | da<br>min                      | Da<br>max | ra<br>max |                 |
| 22308 CAM/C3W33     | 40         | 90  | 33  | 0.06          | 27786                 | 31946           | 4300                       | 5300 | 49                             | 81        | 1.5       | 2.200           |
| 22309 CAM/C3W33     | 45         | 100 | 36  | 0.06          | 32889                 | 39364           | 3800                       | 4800 | 54                             | 91        | 1.5       | 3.036           |
| 22310 CAM/C3W33     | 50         | 110 | 40  | 0.08          | 40533                 | 48626           | 3400                       | 4300 | 60                             | 100       | 2.0       | 4.070           |
| 22311 CAM/C3W33     | 55         | 120 | 43  | 0.08          | 48154                 | 57889           | 3000                       | 3800 | 65                             | 110       | 2.0       | 5.170           |
| 22312 CAM/C3W33     | 60         | 130 | 46  | 0.08          | 55100                 | 66004           | 2800                       | 3600 | 72                             | 118       | 2.1       | 6.490           |
| 22313 CAM/C3W33     | 65         | 140 | 48  | 0.08          | 60204                 | 72928           | 2400                       | 3200 | 77                             | 128       | 2.1       | 7.810           |
| 22314 CAM/C3W33     | 70         | 150 | 51  | 0.08          | 67622                 | 83832           | 2200                       | 3000 | 82                             | 138       | 2.1       | 9.680           |
| 22315 CAM/C3W33     | 75         | 160 | 55  | 0.08          | 79200                 | 101412          | 2000                       | 2800 | 87                             | 148       | 2.1       | 11.550          |
| 22316 CAM/C3W33     | 80         | 170 | 58  | 0.08          | 89159                 | 115305          | 1900                       | 2600 | 92                             | 158       | 2.1       | 14.058          |
| 22317 CAM/C3W33     | 85         | 180 | 60  | 0.12          | 97252                 | 125039          | 1800                       | 2400 | 99                             | 166       | 2.5       | 15.950          |
| 22318 CAM/C3W33     | 90         | 190 | 64  | 0.12          | 109999                | 144036          | 1800                       | 2400 | 104                            | 176       | 2.5       | 18.920          |
| 22319 CAM/C3W33     | 95         | 200 | 67  | 0.12          | 120408                | 159300          | 1700                       | 2200 | 109                            | 186       | 2.5       | 22.220          |
| 22320 CAM/C3W33     | 100        | 215 | 73  | 0.12          | 140776                | 188728          | 1400                       | 1800 | 114                            | 201       | 2.5       | 29.480          |
| 22322 CAM/C3W33     | 110        | 240 | 80  | 0.12          | 160963                | 216492          | 1500                       | 1900 | 124                            | 226       | 2.5       | 39.600          |
| 22324 CAM/C3W33     | 120        | 260 | 86  | 0.12          | 190414                | 259431          | 1300                       | 1700 | 134                            | 246       | 2.5       | 48.400          |
| 22326 CAM/C3W33     | 130        | 280 | 93  | 0.16          | 218065                | 301245          | 1200                       | 1600 | 148                            | 262       | 3.0       | 62.700          |
| 22328 CAM/C3W33     | 140        | 300 | 102 | 0.16          | 256283                | 364192          | 1100                       | 1500 | 158                            | 282       | 3.0       | 75.900          |
| 22330 CAM/C3W33     | 150        | 320 | 108 | 0.16          | 285508                | 415899          | 1100                       | 1400 | 168                            | 302       | 3.0       | 93.500          |