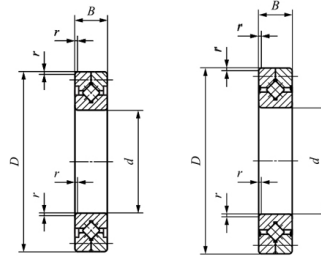


# CRBC Full Complement Crossed Roller Bearings



| Identification |                    | Shaft<br>diameter(mm) | Main<br>dimensions(mm) |     |    |       | Mounting<br>dimensions(mm) |     | CRBC Basic<br>load<br>rating(KN) |      | CRB Basic<br>load<br>rating(KN) |      | weight(kg) |
|----------------|--------------------|-----------------------|------------------------|-----|----|-------|----------------------------|-----|----------------------------------|------|---------------------------------|------|------------|
| With cage      | Full<br>Complement |                       | d                      | D   | B  | r/min | Da                         | da  | Cr                               | Cor  | Cr                              | Cor  |            |
| CRBC3010       | CRB3010            | 30                    | 30                     | 55  | 10 | 0.3   | 34                         | 44  | 3.8                              | 4.1  | 5.29                            | 6.35 | 0.12       |
| CRBC4010       | CRB4010            | 40                    | 40                     | 65  | 10 | 0.3   | 44                         | 54  | 4.28                             | 5.14 | 5.98                            | 8.04 | 0.15       |
| CRBC5013       | CRB5013            | 50                    | 50                     | 80  | 13 | 0.6   | 55                         | 71  | 10.7                             | 12.6 | 14.2                            | 18.4 | 0.29       |
| CRBC6013       | CRB6013            | 60                    | 60                     | 90  | 13 | 0.6   | 64                         | 81  | 11.6                             | 14.6 | 15.4                            | 21.5 | 0.33       |
| CRBC7013       | CRB7013            | 70                    | 70                     | 100 | 13 | 0.6   | 75                         | 91  | 12.3                             | 16.7 | 17                              | 25.5 | 0.38       |
| CRBC8016       | CRB8016            | 80                    | 80                     | 120 | 16 | 0.6   | 86                         | 107 | 18.2                             | 25.5 | 24.3                            | 37.5 | 0.74       |
| CRBC9016       | CRB9016            | 90                    | 90                     | 130 | 16 | 1     | 98                         | 118 | 19.4                             | 28.6 | 25.9                            | 42.1 | 0.81       |
| CRBC10020      | CRB10020           | 100                   | 100                    | 150 | 20 | 1     | 108                        | 134 | 31.5                             | 45.1 | 39.4                            | 61.1 | 1.45       |
| CRBC11020      | CRB11020           | 110                   | 110                    | 160 | 20 | 1     | 118                        | 144 | 33.5                             | 50.7 | 41.2                            | 66.7 | 1.56       |
| CRBC12025      | CRB12025           | 120                   | 120                    | 180 | 25 | 1.5   | 132                        | 164 | 47.7                             | 70.5 | 59.9                            | 95.4 | 2.62       |
| CRBC13025      | CRB13025           | 130                   | 130                    | 190 | 25 | 1.5   | 140                        | 172 | 49.2                             | 74.8 | 61                              | 99.8 | 2.82       |
| CRBC14025      | CRB14025           | 140                   | 140                    | 200 | 25 | 1.5   | 151                        | 183 | 50.7                             | 79.2 | 64.1                            | 108  | 2.96       |
| CRBC15025      | CRB15025           | 150                   | 150                    | 210 | 25 | 1.5   | 160                        | 192 | 53.8                             | 87.7 | 65                              | 113  | 3.16       |
| CRBC15030      | CRB15030           | 150                   | 150                    | 230 | 30 | 1.5   | 166                        | 202 | 69.2                             | 108  | 85.9                            | 144  | 5.3        |
| CRBC20025      | CRB20025           | 200                   | 200                    | 260 | 25 | 2     | 208                        | 239 | 60.2                             | 110  | 75.3                            | 148  | 4          |
| CRBC20030      | CRB20030           | 200                   | 200                    | 280 | 30 | 2     | 218                        | 262 | 108                              | 178  | 133                             | 234  | 6.7        |
| CRBC20035      | CRB20035           | 200                   | 200                    | 295 | 35 | 2     | 221                        | 274 | 137                              | 215  | 168                             | 282  | 9.58       |
| CRBC25025      | CRB25025           | 250                   | 250                    | 310 | 25 | 2.5   | 259                        | 290 | 67.2                             | 136  | 83.9                            | 183  | 4.97       |
| CRBC25030      | CRB25030           | 250                   | 250                    | 330 | 30 | 2.5   | 265                        | 310 | 116                              | 208  | 146                             | 283  | 8.1        |
| CRBC25040      | CRB25040           | 250                   | 250                    | 355 | 40 | 2.5   | 271                        | 330 | 179                              | 299  | 215                             | 382  | 14.8       |
| CRBC30025      | CRB30025           | 300                   | 300                    | 360 | 25 | 2.5   | 310                        | 341 | 73.8                             | 162  | 91.9                            | 217  | 5.88       |
| CRBC30035      | CRB30035           | 300                   | 300                    | 395 | 35 | 2.5   | 318                        | 372 | 163                              | 299  | 205                             | 408  | 13.4       |
| CRBC30040      | CRB30040           | 300                   | 300                    | 405 | 40 | 2.5   | 321                        | 381 | 194                              | 351  | 235                             | 451  | 17.2       |
| CRBC40035      | CRB40035           | 400                   | 400                    | 480 | 35 | 2.5   | 414                        | 457 | 133                              | 300  | 165                             | 400  | 14.5       |
| CRBC40040      | CRB40040           | 400                   | 400                    | 510 | 40 | 2.5   | 423                        | 483 | 222                              | 455  | 270                             | 590  | 23.5       |
| CRBC40070      | CRB40070           | 400                   | 400                    | 580 | 70 | 2.5   | 430                        | 532 | 470                              | 811  | 576                             | 1060 | 72.4       |
| CRBC50040      | CRB50040           | 500                   | 500                    | 600 | 40 | 2.5   | 517                        | 573 | 211                              | 497  | 259                             | 648  | 26         |

## CRBC Full Complement Crossed Roller Bearings

|           |          |     |     |     |    |     |     |     |     |      |     |      |      |
|-----------|----------|-----|-----|-----|----|-----|-----|-----|-----|------|-----|------|------|
| CRBC50050 | CRB50050 | 500 | 500 | 625 | 50 | 2.5 | 531 | 592 | 247 | 561  | 306 | 747  | 41.7 |
| CRBC50070 | CRB50070 | 500 | 500 | 680 | 70 | 2.5 | 530 | 633 | 536 | 1020 | 653 | 1330 | 86.1 |
| CRBC60040 | CRB60040 | 600 | 600 | 700 | 40 | 3   | 621 | 676 | 231 | 581  | 287 | 774  | 30.6 |