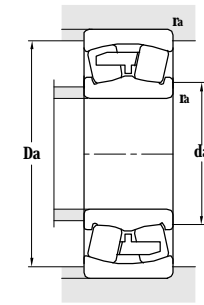
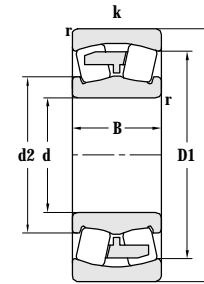
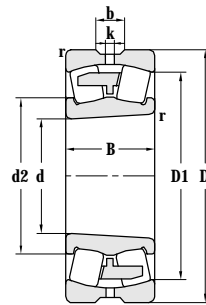
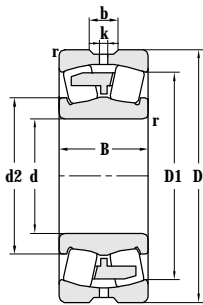


Spherical Roller Bearing(CA)

d 260~280 mm



| Principal dimensions |     |     |                  | Basic load ratings |                 | Limit speed ratings |      | Designations                                |
|----------------------|-----|-----|------------------|--------------------|-----------------|---------------------|------|---|
| d                    | D   | B   | r <sub>min</sub> | C <sub>r</sub>     | C <sub>0r</sub> | Grease              | Oil  |   |
| mm                   |     |     |                  | kN                 |                 | r/min               |      |   |
| <b>260</b>           | 400 | 140 | 4                | 1930               | 3500            | 700                 | 900  | <b>24052CAK30/W33</b>                       |
|                      | 440 | 144 | 4                | 2420               | 3700            | 800                 | 1000 | <b>23152</b> <b>23152/W33</b>               |
|                      | 440 | 144 | 4                | 2420               | 3700            | 800                 | 1000 | <b>23152K</b>                               |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152K/HG2YA6</b>                        |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152K/HG2YAB</b>                        |
|                      | 440 | 144 | 4                | 2420               | 3700            | 800                 | 1000 | <b>23152F3</b>                              |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152CA</b> <b>23152CA/W33</b>           |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152CAK</b> <b>23152CAK/W33</b>         |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152CAK/HG2C9YA6/W33</b>                |
|                      | 440 | 144 | 4                | 2420               | 3750            | 800                 | 1000 | <b>23152CAK30</b> <b>23152CAK30/W33</b>     |
|                      | 440 | 180 | 4                | 2850               | 4560            | 430                 | 530  | <b>24152CA</b> <b>24152CA/W33</b>           |
|                      | 440 | 180 | 4                | 2850               | 4560            | 430                 | 530  | <b>24152CA/HAW36</b> <b>24152CAQ1/HAW36</b> |
|                      | 440 | 180 | 4                | 2850               | 4560            | 430                 | 530  | <b>24152CAK30/W33</b>                       |
|                      | 440 | 180 | 4                | 2850               | 4560            | 430                 | 530  | <b>24152CAF3/W33</b>                        |
|                      | 440 | 180 | 4                | 2420               | 4380            | 430                 | 530  | <b>SX-24152</b>                             |
|                      | 480 | 130 | 5                | 2520               | 3600            | 850                 | 1100 | <b>22252CA</b> <b>22252CA/W33</b>           |
|                      | 480 | 130 | 5                | 2520               | 3600            | 850                 | 1100 | <b>22252CAK</b>                             |
|                      | 480 | 174 | 5                | 2800               | 4600            | 630                 | 800  | <b>23252/HG2W33T</b>                        |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CA/W33</b>                          |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CA/W33X</b> <b>23252CA/W33T</b>     |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CA/W33XB</b>                        |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CAF3/W33</b>                        |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CAK/W33</b>                         |
|                      | 480 | 174 | 5                | 3090               | 4750            | 630                 | 800  | <b>23252CAKL/W33</b>                        |
|                      | 540 | 165 | 6                | 3370               | 4700            | 630                 | 800  | <b>22352</b> <b>22352/W33</b>               |
|                      | 540 | 165 | 6                | 3370               | 4700            | 630                 | 800  | <b>22352K</b> <b>22352K/W33</b>             |
|                      | 540 | 165 | 6                | 3370               | 4700            | 630                 | 800  | <b>22352F3</b>                              |
|                      | 540 | 165 | 6                | 3370               | 4750            | 630                 | 800  | <b>22352CA/W33</b>                          |
|                      | 540 | 165 | 6                | 3370               | 4750            | 630                 | 800  | <b>22352CAK/W33</b>                         |
|                      | 540 | 165 | 6                | 3370               | 4750            | 630                 | 800  | <b>22352CAF3</b> <b>22352CAF3/W33</b>       |
|                      | 540 | 165 | 6                | 3370               | 4750            | 630                 | 800  | <b>22352CAKF3/W33</b>                       |
| <b>280</b>           | 350 | 52  | 2                | 435                | 1230            | 1200                | 1500 | <b>23856CA</b> <b>23856CA/W33</b>           |
|                      | 380 | 75  | 2.1              | 805                | 1850            | 1000                | 1400 | <b>23956CA</b> <b>23956CA/W33</b>           |
|                      | 380 | 75  | 2.1              | 805                | 1850            | 1000                | 1400 | <b>23956CAQ1/W33</b>                        |
|                      | 420 | 106 | 4                | 1640               | 2810            | 850                 | 1100 | <b>23056</b> <b>23056/W33</b>               |

| Other dimensions |     |      |     | Contact surface and chamfer dimensions |     |    | Calculation coefficient |      |      |      | Weight |
|------------------|-----|------|-----|--|-----|----|-------------------------|------|------|------|--------|
| d2               | D1  | b    | k   | da                                     | Da  | ra | e                       | Y1   | Y2   | Y0   |        |
| mm               |     |      |     | mm                                     | mm  | mm | mm                      |      |      |      | kg     |
| 300              | 347 | 11.1 | 6   | 278                                    | 382 | 3  | 0.33                    | 2.00 | 3.00 | 2.00 | 65.2   |
| 318              | 372 | 16.7 | 12  | 278                                    | 422 | 3  |                         |      |      |      | 92.1   |
| 318              | 372 |      |     | 278                                    | 422 | 3  |                         |      |      |      | 90.2   |
| 310              | 380 |      |     | 278                                    | 422 | 3  |                         |      |      |      | 94.4   |
| 310              | 380 |      |     | 278                                    | 422 | 3  |                         |      |      |      | 94.4   |
| 318              | 372 |      |     | 278                                    | 422 | 3  |                         |      |      |      | 91.6   |
| 310              | 379 | 16.7 | 9   | 278                                    | 422 | 3  | 0.31                    | 2.20 | 3.30 | 2.20 | 88.9   |
| 310              | 379 | 16.7 | 9   | 278                                    | 422 | 3  | 0.31                    | 2.20 | 3.30 | 2.20 | 88.7   |
| 310              | 379 | 16.7 | 9   | 278                                    | 422 | 3  | 0.31                    | 2.20 | 3.30 | 2.20 | 88.7   |
| 310              | 379 | 16.7 | 9   | 278                                    | 422 | 3  | 0.31                    | 2.20 | 3.30 | 2.20 | 86.7   |
| 312              | 366 | 13.9 | 8   | 278                                    | 422 | 3  | 0.39                    | 1.73 | 2.58 | 1.69 | 115    |
| 312              | 366 | 13.9 | 8   | 278                                    | 422 | 3  | 0.39                    | 1.73 | 2.58 | 1.69 | 114    |
| 312              | 366 | 13.9 | 8   | 278                                    | 422 | 3  | 0.39                    | 1.73 | 2.58 | 1.69 | 112    |
| 312              | 366 | 13.9 | 8   | 278                                    | 422 | 3  | 0.39                    | 1.73 | 2.58 | 1.69 | 113    |
| 312              | 366 | 13.9 | 8   | 278                                    | 422 | 3  | 0.39                    | 1.73 | 2.58 | 1.69 | 114    |
| 330              | 414 | 22.3 | 12  | 282                                    | 458 | 4  | 0.27                    | 2.51 | 3.74 | 2.45 | 106    |
| 330              | 414 |      |     | 282                                    | 458 | 4  | 0.27                    | 2.51 | 3.74 | 2.45 | 105    |
| 320              | 404 | 27   | 16  | 282                                    | 458 | 4  |                         |      |      |      | 138    |
| 320              | 404 | 22.3 | 8   | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 141    |
| 320              | 404 | 22.3 | 12  | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 141    |
| 320              | 404 | 25   | 15  | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 141    |
| 320              | 404 | 22.3 | 8   | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 138    |
| 320              | 404 | 22.3 | 8   | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 139    |
| 320              | 404 | 22.3 | 8   | 282                                    | 458 | 4  | 0.35                    | 1.90 | 2.90 | 1.80 | 137    |
| 349              | 446 | 24   | 10  | 288                                    | 512 | 5  |                         |      |      |      | 191    |
| 349              | 446 | 24   | 10  | 288                                    | 512 | 5  |                         |      |      |      | 190    |
| 349              | 446 |      |     | 288                                    | 512 | 5  |                         |      |      |      | 190    |
| 349              | 455 | 22.3 | 8   | 288                                    | 512 | 5  | 0.31                    | 2.20 | 3.30 | 2.20 | 186    |
| 349              | 455 | 22.3 | 8   | 288                                    | 512 | 5  | 0.31                    | 2.20 | 3.30 | 2.20 | 185    |
| 349              | 455 | 22.3 | 8   | 288                                    | 512 | 5  | 0.31                    | 2.20 | 3.30 | 2.20 | 184    |
| 349              | 455 | 22.3 | 8   | 288                                    | 512 | 5  | 0.31                    | 2.20 | 3.30 | 2.20 | 183    |
| 305              | 328 | 8.3  | 4.5 | 278                                    | 348 | 2  | 0.13                    | 5.36 | 7.98 | 5.24 | 11.4   |
| 316              | 346 | 12   | 6   | 292                                    | 368 | 2  | 0.18                    | 3.80 | 5.66 | 3.72 | 25.3   |
| 316              | 346 | 12   | 6   | 292                                    | 368 | 2  | 0.18                    | 3.80 | 5.66 | 3.72 | 25.7   |
| 326              | 371 | 16.7 | 7   | 296                                    | 400 | 3  |                         |      |      |      | 54.9   |