



| Bearing NO.         | Boundary dimensions(mm) |         |        |        |        |          |          | Basic load ratings(kN) |     | Limiting speed(rpm) |      | Application point | Abutment and fillet dimensions(mm) |        |        |        |        |        | Value |      |      | Weight (kg) |
|---------------------|-------------------------|---------|--------|--------|--------|----------|----------|------------------------|-----|---------------------|------|-------------------|------------------------------------|--------|--------|--------|--------|--------|-------|------|------|-------------|
|                     | d                       | D       | T      | B      | C      | r 1.2min | r 3.4min | Cr                     | Cor | Grease              | Oil  | a                 | da max                             | db min | Da max | Db min | ra max | rb max | e     | Y    | Y0   |             |
| HH221440/HH221410   | 95.25                   | 190.5   | 57.15  | 57.531 | 46.038 | 7.9      | 3.2      | 440                    | 602 | 2300                | 3400 | 42.5              | 115                                | 119    | 168    | 179    | 7.9    | 3.2    | 0.33  | 1.79 | 0.99 | 7.37        |
| 42381/42584         | 96.838                  | 148.43  | 28.575 | 28.971 | 21.433 | 3.6      | 3        | 143                    | 225 | 2300                | 3400 | 31.9              | 108                                | 108    | 133    | 140    | 3.6    | 3      | 0.49  | 1.22 | 0.67 | 1.64        |
| 90381/90744         | 96.838                  | 188.913 | 50.8   | 46.038 | 31.75  | 3.6      | 3.2      | 276                    | 357 | 2300                | 3400 | 63                | 108                                | 115    | 161    | 179    | 3.6    | 3.2    | 0.87  | 0.69 | 0.38 | 5.68        |
| 52387/52637         | 98.425                  | 161.925 | 36.512 | 36.116 | 26.195 | 3.6      | 3.2      | 180                    | 288 | 2200                | 3300 | 36                | 110                                | 114    | 142    | 151    | 3.6    | 3.2    | 0.47  | 1.26 | 0.69 | 2.74        |
| 685/672             | 98.425                  | 168.275 | 41.275 | 41.275 | 30.162 | 3.6      | 3.2      | 224                    | 349 | 2200                | 3300 | 38.6              | 110                                | 115    | 147    | 156    | 3.6    | 3.2    | 0.47  | 1.28 | 0.7  | 3.51        |
| 779/772             | 98.425                  | 180.975 | 47.625 | 48.006 | 38.1   | 3.6      | 3.2      | 288                    | 438 | 2100                | 3200 | 39.5              | 110                                | 120    | 156    | 166    | 3.6    | 3.2    | 0.39  | 1.56 | 0.86 | 5.2         |
| HH421246/HH421210   | 98.425                  | 184.15  | 63.5   | 63.5   | 52.388 | 6.4      | 3.2      | 445                    | 687 | 2100                | 3200 | 46.2              | 115                                | 117    | 161    | 174    | 6.4    | 3.2    | 0.37  | 1.6  | 0.88 | 7.45        |
| 866/854             | 98.425                  | 190.5   | 57.15  | 57.531 | 44.45  | 3.6      | 3.2      | 353                    | 504 | 2100                | 3200 | 40                | 110                                | 120    | 162    | 172    | 3.6    | 3.2    | 0.33  | 1.79 | 0.99 | 6.99        |
| HH221442/HH221410   | 98.425                  | 190.5   | 57.15  | 57.531 | 46.038 | 3.6      | 3.2      | 440                    | 602 | 2100                | 3200 | 42.5              | 110                                | 119    | 168    | 179    | 3.6    | 3.2    | 0.33  | 1.79 | 0.99 | 7.18        |
| HM321245/HM321210   | 99.212                  | 171.45  | 49.213 | 49.213 | 38.1   | 3.6      | 3.2      | 295                    | 434 | 2200                | 3200 | 36.6              | 110                                | 116    | 153    | 162    | 3.6    | 3.2    | 0.34  | 1.75 | 0.96 | 4.45        |
| LM720646/LM720611   | 99.975                  | 144.975 | 25.4   | 25.4   | 19.05  | 1.6      | 1.6      | 125                    | 216 | 2200                | 3200 | 30.1              | 107                                | 113    | 134    | 140    | 1.6    | 1.6    | 0.46  | 1.31 | 0.72 | 1.34        |
| HM220149/HM220110   | 99.975                  | 156.975 | 42     | 42     | 34     | 7.9      | 3.6      | 245                    | 396 | 2200                | 3200 | 32.4              | 112                                | 120    | 143    | 150    | 7.9    | 3.6    | 0.33  | 1.8  | 0.99 | 2.9         |
| 944A/933            | 99.975                  | 210     | 67     | 66.675 | 53.975 | 3.6      | 3.2      | 450                    | 674 | 2200                | 3200 | 47.9              | 111                                | 135    | 181    | 193    | 3.6    | 3.2    | 0.33  | 1.84 | 1.01 | 10.9        |
| HH224334/HH224310   | 99.975                  | 212.725 | 66.675 | 66.675 | 53.975 | 3.6      | 3.2      | 513                    | 699 | 2200                | 3200 | 47.6              | 111                                | 134    | 190    | 201    | 3.6    | 3.2    | 0.33  | 1.84 | 1.01 | 10.9        |
| HH221447/HH221410   | 99.982                  | 190.5   | 57.15  | 57.531 | 46.038 | 6.4      | 3.2      | 440                    | 602 | 2200                | 3200 | 42.5              | 117                                | 119    | 168    | 179    | 6.4    | 3.2    | 0.33  | 1.79 | 0.99 | 7.06        |
| JM720249/JM720210   | 100                     | 155     | 36     | 35     | 28     | 3        | 2.5      | 191                    | 325 | 1900                | 2800 | 36.8              | 118                                | 108    | 140    | 150    | 3      | 2.5    | 0.47  | 1.3  | 0.7  | 2.45        |
| JHM720249/JHM720210 | 100                     | 160     | 41     | 40     | 32     | 3        | 2.5      | 239                    | 380 | 1900                | 2800 | 38.2              | 107                                | 119    | 144    | 155    | 3      | 2.5    | 0.47  | 1.3  | 0.7  | 3.07        |
| 52394X/52637        | 100                     | 161.925 | 36.513 | 36.116 | 26.195 | 3.6      | 3.2      | 180                    | 288 | 1900                | 2800 | 36                | 111                                | 114    | 142    | 151    | 3.6    | 3.2    | 0.47  | 1.26 | 0.69 | 2.67        |
| 783/772A            | 100                     | 174.625 | 47.625 | 48.006 | 38.1   | 3.6      | 3.2      | 288                    | 438 | 1800                | 2700 | 39.4              | 111                                | 120    | 156    | 166    | 3.6    | 3.2    | 0.39  | 1.56 | 0.86 | 4.57        |
| 783/772             | 100                     | 180.975 | 47.625 | 48.006 | 38.1   | 3.5      | 3.3      | 258                    | 375 | 1800                | 2700 | 39.1              | 111                                | 123    | 160    | 172    | 3.5    | 3.3    | 0.39  | 1.6  | 0.86 | 4.96        |
| 863X/853            | 100                     | 189.997 | 57     | 57.531 | 48     | 6        | 3        | 353                    | 504 | 1700                | 2600 | 39.8              | 116                                | 120    | 163    | 174    | 6      | 3      | 0.33  | 1.79 | 0.99 | 6.94        |
| 863X/854            | 100                     | 190.5   | 57.15  | 57.531 | 44.45  | 6        | 3.3      | 355                    | 500 | 1700                | 2600 | 41.8              | 111                                | 126    | 168    | 181    | 6      | 3.3    | 0.33  | 1.8  | 0.99 | 6.81        |
| 98394X/98788        | 100                     | 200     | 52.761 | 49.213 | 34.925 | 3.6      | 3.2      | 347                    | 471 | 1700                | 2600 | 54.7              | 111                                | 123    | 171    | 185    | 3.6    | 3.2    | 0.63  | 0.95 | 0.52 | 6.91        |
| HH224334/HH224310   | 100                     | 212.725 | 66.675 | 66.675 | 53.975 | 3.5      | 3.3      | 570                    | 810 | 1700                | 2600 | 47.3              | 118                                | 133    | 191    | 206    | 3.5    | 3.3    | 0.33  | 1.8  | 1    | 11.4        |
| EE215039/215096     | 100                     | 250.825 | 76.2   | 73.025 | 50.8   | 6.4      | 3.2      | 442                    | 575 | 1700                | 2600 | 72.4              | 117                                | 140    | 201    | 225    | 6.4    | 3.2    | 0.7   | 0.85 | 0.47 | 17.3        |
| 52393/52618         | 100.012                 | 157.162 | 36.512 | 36.116 | 26.195 | 3.5      | 3.3      | 191                    | 310 | 1900                | 2800 | 36.1              | 108                                | 119    | 142    | 153    | 3.5    | 3.3    | 0.47  | 1.3  | 0.69 | 2.51        |
| 52393/52638         | 100.012                 | 161.925 | 39.688 | 36.116 | 29.37  | 3.5      | 3.3      | 191                    | 310 | 1900                | 2800 | 39.2              | 108                                | 119    | 143    | 155    | 3.5    | 3.3    | 0.47  | 1.3  | 0.69 | 2.92        |
| 789/772A            | 100.813                 | 174.625 | 47.625 | 47.625 | 38.1   | 3.6      | 3.2      | 288                    | 438 | 1900                | 2800 | 39.4              | 113                                | 120    | 156    | 166    | 3.6    | 3.2    | 0.39  | 1.56 | 0.86 | 4.51        |
| L420449/L420410     | 101.6                   | 136.525 | 21.433 | 21.433 | 16.67  | 1.6      | 1.6      | 86                     | 162 | 1900                | 2800 | 24.3              | 110                                | 111    | 126    | 130    | 1.6    | 1.6    | 0.37  | 1.63 | 0.9  | 0.852       |
| L521945R/L521910    | 101.6                   | 146.05  | 21.433 | 21.433 | 16.67  | 1.6      | 1.6      | 86.4                   | 167 | 1900                | 2800 | 26.2              | 110                                | 119    | 134    | 139    | 1.6    | 1.6    | 0.39  | 1.53 | 0.84 | 1.17        |