

# Single Row Tapered Roller Bearings (Inch Series)



| Teniendo NO.        | Dimensiones del límite [mm] |         |        |          |        |                 |                 |      | Capacidades de carga básica (kN) |       | Velocidad límite (rpm) |      | Punto de aplicación | Dimensiones del pilar y del filete (mm) |           |             |                |              |      | Valor |      |         | Peso (kilogramo) |
|---------------------|-----------------------------|---------|--------|----------|--------|-----------------|-----------------|------|----------------------------------|-------|------------------------|------|---------------------|---|-----------|-------------|----------------|--------------|------|-------|------|---------|------------------|
|                     | re:                         | RE:     | T      | SEGUNDO: | C      | r<br>1,2<br>min | r<br>3,4<br>min | Cr   | Cor                              | Grasa | Petróleo               | un   | da<br>max           | db<br>min                               | Da<br>max | Db<br>(min) | ra<br>(máximo) | rb<br>(máx.) | mi   | Y     | Y0   | Referir |                  |
| 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    |                  |