

# Double Row TNA Series

| <div><div></div><div></div></div> |        |        |        |                        |      |                        |                |                        |                  |                        |      | <div><div></div><div></div></div> |        |                                           |                                      |                                             |                                      |                |                |                         |  |
|-----------------------------------|--------|--------|--------|------------------------|------|------------------------|----------------|------------------------|------------------|------------------------|------|-----------------------------------|--------|-------------------------------------------|--------------------------------------|---------------------------------------------|--------------------------------------|----------------|----------------|-------------------------|--|
| Bearing Dimensions(mm/in.)        |        |        |        | Load Ratings(N/lbf)    |      |                        |                |                        |                  |                        |      | Numero ng Bahagi:                 |        | Bearing Dimensions(mm/in.)                |                                      |                                             |                                      |                |                |                         |  |
|                                   |        |        |        | Dynamic <sup>(1)</sup> |      | Factors <sup>(2)</sup> |                | Dynamic <sup>(3)</sup> |                  | Factors <sup>(2)</sup> |      |                                   |        | Shaft                                     |                                      | Housing                                     |                                      | Pin(mm/in.)    |                |                         |  |
| d                                 | D      | T      | C      | C <sub>1(2)</sub>      | e    | Y <sub>1</sub>         | Y <sub>2</sub> | C <sub>90</sub>        | C <sub>290</sub> | C <sub>90(2)</sub>     | K    | Inner                             | Outer  | Max. Shaft Fillet Radius R <sup>(4)</sup> | Backing Shoulder Dia. d <sub>b</sub> | Max. Housing Fillet Radius r <sup>(4)</sup> | Backing Shoulder Dia. D <sub>a</sub> | K <sub>a</sub> | K <sub>b</sub> | Bearing Weight(kg/lbs.) |  |
| 19.05                             | 47     | 31.75  | 25.212 | 46500                  | 0.36 | 1.89                   | 2.82           | 6930                   | 4230             | 12100                  | 1.64 | NA05075                           | 05185D | 1.3                                       | 25                                   | 0.8                                         | 42.5                                 | -              | -              | 0.23                    |  |
| 0.75                              | 1.8504 | 1.25   | 0.9926 | 10500                  | 0.36 | 1.89                   | 2.82           | 1560                   | 952              | 2710                   | 1.64 | NA05075                           | 05185D | 0.05                                      | 0.98                                 | 0.03                                        | 1.67                                 | -              | -              | 0.51                    |  |
| 24.981                            | 62     | 39.688 | 36.258 | 75300                  | 0.38 | 1.77                   | 2.63           | 11200                  | 7340             | 19500                  | 1.53 | NA17098                           | 17245D | 1.5                                       | 33                                   | 0.8                                         | 57                                   | -              | -              | 0.62                    |  |
| 0.9835                            | 2.4409 | 1.5625 | 1.4275 | 16900                  | 0.38 | 1.77                   | 2.63           | 2520                   | 1650             | 4390                   | 1.53 | NA17098                           | 17245D | 0.06                                      | 1.3                                  | 0.03                                        | 2.24                                 | -              | -              | 1.36                    |  |
| 28.575                            | 74.612 | 55.565 | 41.275 | 121000                 | 0.6  | 1.12                   | 1.67           | 18100                  | 18600            | 31500                  | 0.97 | NA41125                           | 41294D | 2.3                                       | 43                                   | 1.5                                         | 68                                   | -              | -              | 1.12                    |  |
| 1.125                             | 2.9375 | 2.1876 | 1.625  | 27300                  | 0.6  | 1.12                   | 1.67           | 4060                   | 4190             | 7080                   | 0.97 | NA41125                           | 41294D | 0.09                                      | 1.69                                 | 0.06                                        | 2.68                                 | -              | -              | 2.45                    |  |
| 29.987                            | 71.973 | 42.76  | 36.512 | 102000                 | 0.36 | 1.87                   | 2.79           | 18100                  | 11100            | 31400                  | 1.62 | NA26118                           | 26284D | 1.5                                       | 38                                   | 0.8                                         | 65                                   | -              | -              | 0.84                    |  |
| 1.1806                            | 2.8336 | 1.6835 | 1.4375 | 23000                  | 0.36 | 1.87                   | 2.79           | 4060                   | 2500             | 7070                   | 1.62 | NA26118                           | 26284D | 0.06                                      | 1.5                                  | 0.03                                        | 2.56                                 | -              | -              | 1.87                    |  |
| 31.75                             | 58.738 | 32.542 | 24.608 | 55200                  | 0.47 | 1.42                   | 2.12           | 8220                   | 6670             | 14300                  | 1.23 | NA08125                           | 08231D | 1.5                                       | 38.5                                 | 0.4                                         | 55                                   | -              | -              | 0.35                    |  |
| 1.25                              | 2.3125 | 1.2812 | 0.9688 | 12400                  | 0.47 | 1.42                   | 2.12           | 1850                   | 1500             | 3220                   | 1.23 | NA08125                           | 08231D | 0.06                                      | 1.52                                 | 0.02                                        | 2.17                                 | -              | -              | 0.79                    |  |
| 33.337                            | 80.962 | 55.562 | 39.688 | 135000                 | 0.67 | 1.01                   | 1.5            | 20100                  | 23000            | 35000                  | 0.87 | NA43131                           | 43319D | 2.3                                       | 48.5                                 | 1.5                                         | 74                                   | -              | -              | 1.28                    |  |
| 1.3125                            | 3.1875 | 2.1875 | 1.5625 | 30400                  | 0.67 | 1.01                   | 1.5            | 4520                   | 5170             | 7880                   | 0.87 | NA43131                           | 43319D | 0.09                                      | 1.91                                 | 0.06                                        | 2.91                                 | -              | -              | 2.82                    |  |
| 34.925                            | 69.012 | 46.04  | 38.1   | 95100                  | 0.38 | 1.77                   | 2.63           | 14200                  | 9260             | 24600                  | 1.53 | NA14138                           | 14276D | 3.5                                       | 46                                   | 0.8                                         | 63                                   | -              | -              | 0.7                     |  |
| 1.375                             | 2.717  | 1.8126 | 1.5    | 21400                  | 0.38 | 1.77                   | 2.63           | 3180                   | 2080             | 5540                   | 1.53 | NA14138                           | 14276D | 0.14                                      | 1.81                                 | 0.03                                        | 2.48                                 | -              | -              | 1.56                    |  |
| 34.976                            | 80.035 | 46.04  | 34.925 | 111000                 | 0.4  | 1.68                   | 2.5            | 19500                  | 13400            | 34000                  | 1.45 | NA28138                           | 28318D | 1.5                                       | 43.5                                 | 0.8                                         | 73                                   | -              | -              | 1.04                    |  |
| 1.377                             | 3.151  | 1.8126 | 1.375  | 24800                  | 0.4  | 1.68                   | 2.5            | 4390                   | 3020             | 7640                   | 1.45 | NA28138                           | 28318D | 0.06                                      | 1.71                                 | 0.03                                        | 2.87                                 | -              | -              | 2.32                    |  |
| 36.512                            | 92.075 | 55.562 | 39.688 | 147000                 | 0.78 | 0.86                   | 1.29           | 25900                  | 34600            | 45000                  | 0.75 | NA44143                           | 44363D | 0.8                                       | 51                                   | 1.5                                         | 85                                   | -              | -              | 1.73                    |  |
| 1.4375                            | 3.625  | 2.1875 | 1.5625 | 32900                  | 0.78 | 0.86                   | 1.29           | 5810                   | 7770             | 10100                  | 0.75 | NA44143                           | 44363D | 0.03                                      | 2.01                                 | 0.06                                        | 3.35                                 | -              | -              | 3.85                    |  |
| 38.1                              | 69.012 | 46.035 | 38.1   | 98700                  | 0.4  | 1.68                   | 2.5            | 17400                  | 12000            | 30300                  | 1.45 | NA13687                           | 13621D | 2                                         | 46.5                                 | 0.8                                         | 65                                   | -              | -              | 0.67                    |  |
| 1.5                               | 2.717  | 1.8124 | 1.5    | 22200                  | 0.4  | 1.68                   | 2.5            | 3920                   | 2700             | 6820                   | 1.45 | NA13687                           | 13621D | 0.08                                      | 1.83                                 | 0.03                                        | 2.56                                 | -              | -              | 1.48                    |  |
| 39.687                            | 88.5   | 55.562 | 39.688 | 147000                 | 0.78 | 0.86                   | 1.29           | 21800                  | 29200            | 38000                  | 0.75 | NA44156                           | 44348D | 2.3                                       | 56                                   | 0.6                                         | 84                                   | -              | -              | 1.48                    |  |
| 1.5625                            | 3.4843 | 2.1875 | 1.5625 | 32900                  | 0.78 | 0.86                   | 1.29           | 4910                   | 6560             | 8540                   | 0.75 | NA44156                           | 44348D | 0.09                                      | 2.2                                  | 0.03                                        | 3.31                                 | -              | -              | 3.26                    |  |
| 39.687                            | 92.075 | 55.562 | 39.688 | 147000                 | 0.78 | 0.86                   | 1.29           | 21800                  | 29200            | 38000                  | 0.75 | NA44156                           | 44363D | 2.3                                       | 56                                   | 1.5                                         | 85                                   | -              | -              | 1.65                    |  |
| 1.5625                            | 3.625  | 2.1875 | 1.5625 | 32900                  | 0.78 | 0.86                   | 1.29           | 4910                   | 6560             | 8540                   | 0.75 | NA44156                           | 44363D | 0.09                                      | 2.2                                  | 0.06                                        | 3.35                                 | -              | -              | 3.65                    |  |
| 40                                | 90.119 | 50.8   | 44.45  | 142000                 | 0.31 | 2.2                    | 3.28           | 21200                  | 11100            | 36900                  | 1.91 | NA357                             | 353D   | 1.5                                       | 49                                   | 0.8                                         | 82                                   | -              | -              | 1.54                    |  |
| 1.5748                            | 3.548  | 2      | 1.75   | 32000                  | 0.31 | 2.2                    | 3.28           | 4770                   | 2500             | 8310                   | 1.91 | NA357                             | 353D   | 0.06                                      | 1.93                                 | 0.03                                        | 3.23                                 | -              | -              | 3.39                    |  |
| 41.275                            | 92.075 | 55.562 | 39.688 | 174000                 | 0.78 | 0.86                   | 1.29           | 25900                  | 34600            | 45000                  | 0.75 | NA44163                           | 44363D | 0.8                                       | 54                                   | 1.5                                         | 85                                   | -              | -              | 1.61                    |  |
| 1.625                             | 3.625  | 2.1875 | 1.5625 | 39100                  | 0.78 | 0.86                   | 1.29           | 5810                   | 7770             | 10100                  | 0.75 | NA44163                           | 44363D | 0.03                                      | 2.13                                 | 0.06                                        | 3.35                                 | -              | -              | 3.57                    |  |
| 43.658                            | 82.55  | 44.45  | 34.925 | 135000                 | 0.43 | 1.57                   | 2.34           | 20100                  | 14800            | 35000                  | 1.36 | NA22171                           | 22325D | 2.3                                       | 53                                   | 0.8                                         | 76                                   | -              | -              | 1.01                    |  |
| 1.7188                            | 3.25   | 1.75   | 1.375  | 30300                  | 0.43 | 1.57                   | 2.34           | 4510                   | 3320             | 7860                   | 1.36 | NA22171                           | 22325D | 0.09                                      | 2.09                                 | 0.03                                        | 2.99                                 | -              | -              | 2.21                    |  |