

Double Row TDIT Series

| Bearing Dimensions(mm/in.) | | | | | Load Ratings(N/lbf) | | | | | | | | Numero ng Bahagi: | | Bearing Dimensions(mm/in.) | | | Geometry Factors | | | Bearing Weight(kg/lbs.) | | | |
|----------------------------|--------|---------|---------|---------|------------------------|------|----------------|------------------------|-----------------|------------------|------------------------|------|-------------------|------------------------|----------------------------|----------------|-------|------------------|---|---|-------------------------|--------------------------------------|----------------|----------------|
| d | Taper | D | T | B | Dynamic ⁽¹⁾ | | | Factors ⁽²⁾ | | | Dynamic ⁽³⁾ | | | Factors ⁽²⁾ | | | Inner | Outer | Shaft Max. Fillet Radius R ⁽⁴⁾ | Housing Max. Fillet Radius r ⁽⁴⁾ | | Backing Shoulder Dia. D _b | G ₁ | G ₂ |
| | | | | | C ₁₀ | e | Y ₁ | Y ₂ | C ₉₀ | C ₂₉₀ | C ₉₀₍₂₎ | K | C ₁₀ | e | Y ₁ | Y ₂ | | | | | | | | |
| 37.037 | 1:19.2 | 72 | 39.096 | 38.1 | 83400 | 0.44 | 1.52 | 2.26 | 12400 | 9440 | 21600 | 1.31 | 19146TD | 19283 | 0.8 | 1.5 | 63 | 17.5 | 11.5 | 0.0694 | 0.71 | | | |
| 1.4581 | 1:19.2 | 2.8346 | 1.5392 | 1.5 | 18700 | 0.44 | 1.52 | 2.26 | 2790 | 2120 | 4860 | 1.31 | 19146TD | 19283 | 0.03 | 0.06 | 2.48 | 17.5 | 11.5 | 0.0694 | 1.58 | | | |
| 100.211 | 1:19.2 | 168.275 | 95.25 | 95.25 | 435000 | 0.47 | 1.43 | 2.14 | 64800 | 52200 | 113000 | 1.24 | 688TD | 672 | 0.8 | 3.3 | 149 | 182.5 | 37.3 | 0.1056 | 8.38 | | | |
| 3.9453 | 1:19.2 | 6.625 | 3.75 | 3.75 | 97800 | 0.47 | 1.43 | 2.14 | 14600 | 11700 | 25400 | 1.24 | 688TD | 672 | 0.03 | 0.13 | 5.87 | 182.5 | 37.3 | 0.1056 | 18.46 | | | |
| 101.6 | 1:12 | 190.5 | 117.475 | 127 | 878000 | 0.33 | 2.02 | 3 | 131000 | 74900 | 228000 | 1.74 | HH221449TD | HH221410 | 0.8 | 3.3 | 171 | 265.6 | 28.4 | 0.1072 | 14.9 | | | |
| 4 | 1:12 | 7.5 | 4.625 | 5 | 197000 | 0.33 | 2.02 | 3 | 29400 | 16800 | 51100 | 1.74 | HH221449TD | HH221410 | 0.03 | 0.13 | 6.73 | 265.6 | 28.4 | 0.1072 | 32.87 | | | |
| 115.888 | 1:19.2 | 190.5 | 107.95 | 111.125 | 598000 | 0.42 | 1.62 | 2.42 | 89000 | 63400 | 155000 | 1.4 | 71457TD | 71750 | 1.5 | 3.3 | 171 | 269.2 | 49.5 | 0.1156 | 12.08 | | | |
| 4.5625 | 1:19.2 | 7.5 | 4.25 | 4.375 | 134000 | 0.42 | 1.62 | 2.42 | 20000 | 14300 | 34800 | 1.4 | 71457TD | 71750 | 0.06 | 0.13 | 6.73 | 269.2 | 49.5 | 0.1156 | 26.63 | | | |
| 206.375 | 1:12 | 336.55 | 180.975 | 184.15 | 2230000 | 0.33 | 2.03 | 3.02 | 332000 | 189000 | 578000 | 1.76 | H242649TD | H242610 | 1.5 | 3.3 | 306 | 1404.1 | 134.8 | 0.1465 | 49.31 | | | |
| 8.125 | 1:12 | 13.25 | 7.125 | 7.25 | 501000 | 0.33 | 2.03 | 3.02 | 74600 | 42500 | 130000 | 1.76 | H242649TD | H242610 | 0.06 | 0.13 | 12.05 | 1404.1 | 134.8 | 0.1465 | 108.74 | | | |
| 209.55 | 1:12 | 317.5 | 184.15 | 184.15 | 1200000 | 0.52 | 1.29 | 1.92 | 179000 | 160000 | 312000 | 1.12 | 93826TD | 93125 | 1.5 | 3.3 | 286 | 912.5 | 126.1 | 0.146 | 45.37 | | | |
| 8.25 | 1:12 | 12.5 | 7.25 | 7.25 | 270000 | 0.52 | 1.29 | 1.92 | 40200 | 36100 | 70100 | 1.12 | 93826TD | 93125 | 0.06 | 0.13 | 11.26 | 912.5 | 126.1 | 0.146 | 100.05 | | | |
| 214.973 | 1:12 | 285.75 | 92.075 | 92.075 | 707000 | 0.48 | 1.4 | 2.09 | 105000 | 86700 | 183000 | 1.21 | LM742746TD | LM742710 | 1.5 | 3.3 | 266 | 866.9 | 225.2 | 0.1388 | 16 | | | |
| 8.4635 | 1:12 | 11.25 | 3.625 | 3.625 | 159000 | 0.48 | 1.4 | 2.09 | 23700 | 19500 | 41200 | 1.21 | LM742746TD | LM742710 | 0.06 | 0.13 | 10.47 | 866.9 | 225.2 | 0.1388 | 35.25 | | | |
| 219.075 | 1:12 | 358.775 | 196.85 | 200.025 | 2520000 | 0.33 | 2.03 | 3.02 | 375000 | 213000 | 652000 | 1.76 | H244848TD | H244810 | 1.5 | 6.4 | 323 | 1631.9 | 150 | 0.154 | 83.34 | | | |
| 8.625 | 1:12 | 14.125 | 7.75 | 7.875 | 566000 | 0.33 | 2.03 | 3.02 | 84200 | 47900 | 147000 | 1.76 | H244848TD | H244810 | 0.06 | 0.25 | 12.72 | 1631.9 | 150 | 0.154 | 183.74 | | | |
| 219.936 | 1:12 | 314.325 | 115.888 | 123.822 | 1210000 | 0.33 | 2.03 | 3.02 | 180000 | 103000 | 314000 | 1.76 | M244246TD | M244210 | 1.5 | 3.3 | 293 | 1149.7 | 141.4 | 0.136 | 31.68 | | | |
| 8.6589 | 1:12 | 12.375 | 4.5625 | 4.8749 | 272000 | 0.33 | 2.03 | 3.02 | 40500 | 23100 | 70500 | 1.76 | M244246TD | M244210 | 0.06 | 0.13 | 11.54 | 1149.7 | 141.4 | 0.136 | 69.85 | | | |
| 234.95 | 1:12 | 355.6 | 165.1 | 165.1 | 1390000 | 0.33 | 2.04 | 3.04 | 206000 | 117000 | 359000 | 1.77 | EE130926TD | 131400 | 1.5 | 1.5 | 329 | 1162 | 167.6 | 0.1358 | 51.55 | | | |
| 9.25 | 1:12 | 14 | 6.5 | 6.5 | 312000 | 0.33 | 2.04 | 3.04 | 46400 | 26200 | 80800 | 1.77 | EE130926TD | 131400 | 0.06 | 0.06 | 12.95 | 1162 | 167.6 | 0.1358 | 113.66 | | | |
| 234.95 | 1:12 | 355.6 | 184.15 | 184.15 | 1390000 | 0.33 | 2.04 | 3.04 | 206000 | 117000 | 359000 | 1.77 | EE130927TD | 131400 | 1.5 | 1.5 | 329 | 1162 | 167.6 | 0.1358 | 54.2 | | | |
| 9.25 | 1:12 | 14 | 7.25 | 7.25 | 312000 | 0.33 | 2.04 | 3.04 | 46400 | 26200 | 80800 | 1.77 | EE130927TD | 131400 | 0.06 | 0.06 | 12.95 | 1162 | 167.6 | 0.1358 | 119.51 | | | |
| 243.152 | 1:12 | 327.025 | 92.075 | 101.6 | 987000 | 0.32 | 2.1 | 3.13 | 147000 | 80800 | 256000 | 1.82 | LM247747TD | LM247710 | 1.5 | 3.3 | 310 | 1173.3 | 243.9 | 0.1345 | 23.7 | | | |
| 9.5729 | 1:12 | 12.875 | 3.625 | 4 | 222000 | 0.32 | 2.1 | 3.13 | 33000 | 18200 | 57500 | 1.82 | LM247747TD | LM247710 | 0.06 | 0.13 | 12.2 | 1173.3 | 243.9 | 0.1345 | 52.24 | | | |
| 252.412 | 1:12 | 358.775 | 130.175 | 139.7 | 1590000 | 0.33 | 2.03 | 3.02 | 237000 | 135000 | 413000 | 1.76 | M249746TD | M249710 | 1.5 | 3.3 | 335 | 1626 | 173 | 0.1526 | 45.97 | | | |
| 9.9375 | 1:12 | 14.125 | 5.125 | 5.5 | 358000 | 0.33 | 2.03 | 3.02 | 53300 | 30300 | 92800 | 1.76 | M249746TD | M249710 | 0.06 | 0.13 | 13.19 | 1626 | 173 | 0.1526 | 101.36 | | | |
| 263.525 | 1:12 | 400.05 | 196.847 | 192.088 | 1440000 | 0.39 | 1.71 | 2.55 | 215000 | 145000 | 374000 | 1.48 | EE221039TD | 221575 | 1.5 | 6.4 | 366 | 1320.8 | 207.5 | 0.1497 | 70.69 | | | |
| 10.375 | 1:12 | 15.75 | 7.7499 | 7.5625 | 324000 | 0.39 | 1.71 | 2.55 | 48200 | 32600 | 84000 | 1.48 | EE221039TD | 221575 | 0.06 | 0.25 | 14.41 | 1320.8 | 207.5 | 0.1497 | 155.85 | | | |
| 266.7 | 1:12 | 355.6 | 107.95 | 109.538 | 1400000 | 0.36 | 1.87 | 2.79 | 209000 | 129000 | 363000 | 1.62 | LM451349TD | LM451310 | 1.5 | 3.3 | 335 | 1554.1 | 212.2 | 0.1536 | 30.99 | | | |
| 10.5 | 1:12 | 14 | 4.25 | 4.3125 | 315000 | 0.36 | 1.87 | 2.79 | 46900 | 28900 | 81600 | 1.62 | LM451349TD | LM451310 | 0.06 | 0.13 | 13.19 | 1554.1 | 212.2 | 0.1536 | 68.32 | | | |