# Single Row TSF Series

| Bearing Dimensions (mm/in.) | | | Load Ratings | | | | | | | Номер части: | | Bearing Dimensions (mm/in.) | | | | | | | | Geometry Factors | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dynamic[1] | Factors[2] | | Dynamic[3] | | Factors[2] | Статический | | | | | | | | Shaft | | Housing | | | | |
| Bore d | O.D. D | Width T | $C_1$ | e | Y | $C_{90}$ | $C_{a90}$ | K | C | Inner | Outer | Width B | Width C | Eff. Ctr a[4] | Outer Ring Flange O.D. $D_1$ | Flange Width $C_2$ | Max Shaft Fillet Radius R[5] | Backing Shoulder Dia. $D_a$ | Backing Shoulder Dia. $D_b$ | $C_1$ | $C_2$ | $C_9$ | Bearing Weight (kg lbs.) |
| | | | N lbf | | | N lbf | N lbf | | N lbf | | | | | | | | | | | | | | |
| 7.937 | 31.991 | 4.458 | 10800 | 0.41 | 1.48 | 2800 | 1940 | 1.44 | 9230 | A2031 | A2126-B | 10.785 | 7.938 | -3 | 35.166 | 2.388 | 0.5 | 12.5 | 13 | 30 | 1.7 | 3.2 | 0.0308 | 0.05 |
| 0.3125 | 1.2595 | 0.1755 | 2430 | 0.41 | 1.48 | 630 | 437 | 1.44 | 2070 | A2031 | A2126-B | 0.4246 | 0.3125 | -0.12 | 1.3845 | 0.094 | 0.02 | 0.49 | 0.51 | 1.18 | 1.7 | 3.2 | 0.0308 | 0.11 |
| 9.525 | 31.991 | 4.458 | 10800 | 0.41 | 1.48 | 2800 | 1940 | 1.44 | 9230 | A2037 | A2126-B | 10.785 | 7.938 | -3 | 35.166 | 2.388 | 1.3 | 13.5 | 15 | 30 | 1.7 | 3.2 | 0.0308 | 0.05 |
| 0.375 | 1.2595 | 0.1755 | 2430 | 0.41 | 1.48 | 630 | 437 | 1.44 | 2070 | A2037 | A2126-B | 0.4246 | 0.3125 | -0.12 | 1.3845 | 0.094 | 0.05 | 0.53 | 0.59 | 1.18 | 1.7 | 3.2 | 0.0308 | 0.11 |
| **11.987 | 31.991 | 4.458 | 10800 | 0.41 | 1.48 | 2800 | 1940 | 1.44 | 9230 | A2047 | A2126-B | 10.785 | 7.938 | -3 | 35.166 | 2.388 | 0.8 | 15.5 | 16.5 | 30 | 1.7 | 3.2 | 0.0308 | 0.04 |
| 0.4719 | 1.2595 | 0.1755 | 2430 | 0.41 | 1.48 | 630 | 437 | 1.44 | 2070 | A2047 | A2126-B | 0.4246 | 0.3125 | -0.12 | 1.3845 | 0.094 | 0.03 | 0.61 | 0.65 | 1.18 | 1.7 | 3.2 | 0.0308 | 0.1 |
| 12.7 | 34.988 | 4.63 | 13200 | 0.45 | 1.32 | 3410 | 2640 | 1.29 | 11500 | A4050 | A4138-B | 10.988 | 8.73 | -2.5 | 38.062 | 2.362 | 1.3 | 17 | 18.5 | 33.5 | 2.3 | 4.1 | 0.0355 | 0.05 |
| 0.5 | 1.3775 | 0.1823 | 2960 | 0.45 | 1.32 | 767 | 594 | 1.29 | 2580 | A4050 | A4138-B | 0.4326 | 0.3437 | -0.1 | 1.4985 | 0.093 | 0.05 | 0.67 | 0.73 | 1.32 | 2.3 | 4.1 | 0.0355 | 0.12 |
| **14.989 | 34.988 | 4.63 | 13200 | 0.45 | 1.32 | 3410 | 2640 | 1.29 | 11500 | A4059 | A4138-B | 10.988 | 8.73 | -2.5 | 38.062 | 2.362 | 0.8 | 19 | 19.5 | 33.5 | 2.3 | 4.1 | 0.0355 | 0.04 |
| 0.5901 | 1.3775 | 0.1823 | 2960 | 0.45 | 1.32 | 767 | 594 | 1.29 | 2580 | A4059 | A4138-B | 0.4326 | 0.3437 | -0.1 | 1.4985 | 0.093 | 0.03 | 0.75 | 0.77 | 1.32 | 2.3 | 4.1 | 0.0355 | 0.12 |
| 15.875 | 47 | 6.038 | 26700 | 0.36 | 1.68 | 6930 | 4230 | 1.64 | 25400 | 5062 | 05185-B | 14.381 | 11.112 | -4.1 | 50.861 | 2.769 | 1.5 | 21 | 23.5 | 44.5 | 5.8 | 5.5 | 0.0448 | 0.14 |
| 0.625 | 1.8504 | 0.2377 | 6010 | 0.36 | 1.68 | 1560 | 952 | 1.64 | 5720 | 5062 | 05185-B | 0.5662 | 0.4375 | -0.16 | 2.0024 | 0.109 | 0.06 | 0.83 | 0.93 | 1.75 | 5.8 | 5.5 | 0.0448 | 0.31 |
| 15.875 | 42.862 | 6.35 | 31400 | 0.33 | 1.81 | 8150 | 4620 | 1.76 | 29200 | 17580 | 17520-B | 16.67 | 13.495 | -5.8 | 45.936 | 3.175 | 1.5 | 21 | 23 | 40.5 | 5.3 | 4.5 | 0.0423 | 0.12 |
| 0.625 | 1.6875 | 0.25 | 7070 | 0.33 | 1.81 | 1830 | 1040 | 1.76 | 6560 | 17580 | 17520-B | 0.6563 | 0.5313 | -0.23 | 1.8085 | 0.125 | 0.06 | 0.83 | 0.91 | 1.59 | 5.3 | 4.5 | 0.0423 | 0.29 |
| 15.875 | 39.992 | 4.851 | 13400 | 0.53 | 1.14 | 3480 | 3140 | 1.11 | 12300 | A6062 | A6157-B | 11.153 | 9.525 | -1.5 | 43.066 | 2.362 | 1.3 | 20.5 | 22 | 38 | 2.9 | 5.6 | 0.0404 | 0.09 |
| 0.625 | 1.5745 | 0.191 | 3020 | 0.53 | 1.14 | 782 | 705 | 1.11 | 2770 | A6062 | A6157-B | 0.4391 | 0.375 | -0.06 | 1.6955 | 0.093 | 0.05 | 0.81 | 0.87 | 1.5 | 2.9 | 5.6 | 0.0404 | 0.17 |
| 16.993 | 47 | 6.038 | 26700 | 0.36 | 1.68 | 6930 | 4230 | 1.64 | 25400 | 5066 | 05185-B | 14.381 | 11.112 | -4.1 | 50.861 | 2.769 | 1.5 | 22 | 24.5 | 44.5 | 5.8 | 5.5 | 0.0448 | 0.14 |
| 0.669 | 1.8504 | 0.2377 | 6010 | 0.36 | 1.68 | 1560 | 952 | 1.64 | 5720 | 5066 | 05185-B | 0.5662 | 0.4375 | -0.16 | 2.0024 | 0.109 | 0.06 | 0.87 | 0.96 | 1.75 | 5.8 | 5.5 | 0.0448 | 0.3 |
| 16.993 | 39.992 | 4.851 | 13400 | 0.53 | 1.14 | 3480 | 3140 | 1.11 | 12300 | A6067 | A6157-B | 11.153 | 9.525 | -1.5 | 43.066 | 2.362 | 0.8 | 21 | 22 | 38 | 2.9 | 5.6 | 0.0404 | 0.09 |
| 0.669 | 1.5745 | 0.191 | 3020 | 0.53 | 1.14 | 782 | 705 | 1.11 | 2770 | A6067 | A6157-B | 0.4391 | 0.375 | -0.06 | 1.6955 | 0.093 | 0.03 | 0.83 | 0.87 | 1.5 | 2.9 | 5.6 | 0.0404 | 0.17 |
| 19.05 | 56.896 | 7.455 | 45400 | 0.31 | 1.95 | 11800 | 6200 | 1.9 | 45300 | 1775 | 1729-B | 19.837 | 15.875 | -6.9 | 60.757 | 3.962 | 1.5 | 25 | 27 | 53 | 10.6 | 5.4 | 0.0521 | 0.27 |
| 0.75 | 2.24 | 0.2935 | 10200 | 0.31 | 1.95 | 2650 | 1390 | 1.9 | 10200 | 1775 | 1729-B | 0.781 | 0.625 | -0.27 | 2.392 | 0.156 | 0.06 | 0.98 | 1.06 | 2.09 | 10.6 | 5.4 | 0.0521 | 0.62 |
| 19.05 | 53.975 | 10.317 | 55100 | 0.59 | 1.02 | 14300 | 14400 | 0.99 | 42500 | 21075 | 21212-B | 21.839 | 15.875 | -5.8 | 57.841 | 3.967 | 1.5 | 26 | 31.5 | 52 | 7 | 4.1 | 0.0558 | 0.26 |
| 0.75 | 2.125 | 0.4062 | 12400 | 0.59 | 1.02 | 3210 | 3250 | 0.99 | 9560 | 21075 | 21212-B | 0.8598 | 0.625 | -0.23 | 2.2772 | 0.1562 | 0.06 | 1.03 | 1.24 | 2.05 | 7 | 4.1 | 0.0558 | 0.57 |
| 19.05 | 49.225 | 6.998 | 42800 | 0.27 | 2.26 | 11100 | 5050 | 2.2 | 40500 | 9067 | 09195AB | 19.05 | 14.288 | -7.4 | 53.081 | 3.251 | 1.3 | 24 | 25.5 | 46.5 | 8 | 4 | 0.0452 | 0.18 |
| 0.75 | 1.938 | 0.2755 | 9630 | 0.27 | 2.26 | 2500 | 1140 | 2.2 | 9100 | 9067 | 09195AB | 0.75 | 0.5625 | -0.29 | 2.0898 | 0.128 | 0.05 | 0.94 | 1 | 1.83 | 8 | 4 | 0.0452 | 0.4 |
| 19.05 | 47 | 6.038 | 26700 | 0.36 | 1.68 | 6930 | 4230 | 1.64 | 25400 | 5075 | 05185-B | 14.381 | 11.112 | -4.1 | 50.861 | 2.769 | 1.3 | 23.5 | 25 | 44.5 | 5.8 | 5.5 | 0.0448 | 0.13 |
| 0.75 | 1.8504 | 0.2377 | 6010 | 0.36 | 1.68 | 1560 | 952 | 1.64 | 5720 | 5075 | 05185-B | 0.5662 | 0.4375 | -0.16 | 2.0024 | 0.109 | 0.05 | 0.93 | 0.98 | 1.75 | 5.8 | 5.5 | 0.0448 | 0.29 |
| 19.05 | 47 | 14.381 | 26700 | 0.36 | 1.68 | 6930 | 4230 | 1.64 | 25400 | 05075X | 05185-B | 14.381 | 11.112 | -4.1 | 50.861 | 2.769 | 1.5 | 23.5 | 25.4 | 44.5 | 5.8 | 5.5 | 0.0448 | 0.13 |
| 0.75 | 1.8504 | 0.5662 | 6010 | 0.36 | 1.68 | 1560 | 952 | 1.64 | 5720 | 05075X | 05185-B | 0.5662 | 0.4375 | -0.16 | 2.0024 | 0.109 | 0.06 | 0.93 | 1 | 1.75 | 5.8 | 5.5 | 0.0448 | 0.29 |