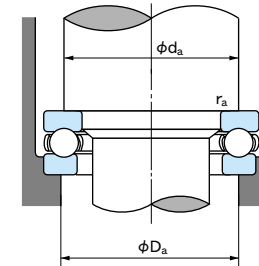
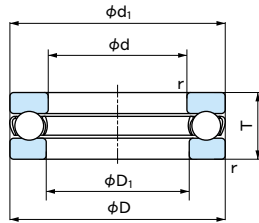


Single-direction Thrust Ball Bearings
Series 2900

Bore Diameter : 10~140mm



1N=0.102kgf

| Boundary dimensions (mm) | | | | Bearing No. | Basic dynamic load rating Ca (N) | Basic static load rating Coa (N) | Limiting speed (rpm) | | Dimensions (mm) | | Abutment and fillet dimensions (mm) | | | Mass (kg) Reference | Bearing No. |
|--------------------------|-----|----|------------|-------------|-------------------------------------|-------------------------------------|----------------------|-----------------|-------------------------|-------------------------|-------------------------------------|-------------------------|-------------------------|------------------------|-------------|
| d | D | T | r (min) | | | | Grease lubrication | Oil lubrication | D ₁ (min) | d ₁ (max) | d _a (min) | D _a (max) | r _a (max) | | |
| 10 | 26 | 12 | 0.6 | 2900 | 12700 | 17100 | 5600 | 8400 | 10.2 | 26 | 19.6 | 16.4 | 0.6 | 0.035 | 2900 |
| 12 | 28 | 12 | 0.6 | 2901 | 13200 | 19000 | 5400 | 8100 | 12.2 | 28 | 21.6 | 18.4 | 0.6 | 0.037 | 2901 |
| 15 | 31 | 12 | 0.6 | 2902 | 14300 | 22800 | 5100 | 7700 | 15.2 | 31 | 25 | 21 | 0.6 | 0.041 | 2902 |
| 18 | 35 | 12 | 0.6 | 2903 | 14400 | 24700 | 4800 | 7300 | 18.2 | 35 | 28 | 25 | 0.6 | 0.045 | 2903 |
| 20 | 37 | 12 | 0.6 | 2904 | 14800 | 26600 | 4700 | 7100 | 20.2 | 37 | 30 | 27 | 0.6 | 0.055 | 2904 |
| 22 | 42 | 14 | 0.6 | 2904½ | 18900 | 34500 | 4100 | 6100 | 22.2 | 42 | 34 | 30 | 0.6 | 0.085 | 2904½ |
| 25 | 45 | 14 | 0.6 | 2905 | 19300 | 37000 | 3900 | 5900 | 25.2 | 45 | 37 | 33 | 0.6 | 0.093 | 2905 |
| 30 | 50 | 14 | 0.6 | 2906 | 20200 | 42000 | 3700 | 5600 | 30.2 | 50 | 42 | 38 | 0.6 | 0.107 | 2906 |
| 35 | 55 | 16 | 0.6 | 2907 | 29900 | 62000 | 3300 | 5000 | 35.2 | 55 | 47 | 43 | 0.6 | 0.137 | 2907 |
| 40 | 60 | 16 | 0.6 | 2908 | 31000 | 70000 | 3200 | 4800 | 40.2 | 60 | 52 | 48 | 0.6 | 0.150 | 2908 |
| 45 | 68 | 16 | 0.6 | 2909 | 32500 | 77500 | 3000 | 4500 | 45.2 | 68 | 59 | 54 | 0.6 | 0.199 | 2909 |
| 50 | 74 | 18 | 0.6 | 2910 | 38500 | 94000 | 2700 | 4100 | 50.2 | 74 | 64 | 60 | 0.6 | 0.255 | 2910 |
| 55 | 78 | 18 | 0.6 | 2911 | 40000 | 103000 | 2600 | 4000 | 55.2 | 78 | 69 | 64 | 0.6 | 0.270 | 2911 |
| 60 | 82 | 18 | 0.6 | 2912 | 40500 | 108000 | 2600 | 3900 | 60.2 | 82 | 73 | 69 | 0.6 | 0.275 | 2912 |
| 65 | 90 | 20 | 0.6 | 2913 | 47500 | 129000 | 2300 | 3500 | 65.2 | 90 | 80 | 75 | 0.6 | 0.374 | 2913 |
| 70 | 95 | 20 | 0.6 | 2914 | 49000 | 140000 | 2200 | 3400 | 70.2 | 95 | 85 | 80 | 0.6 | 0.400 | 2914 |
| 75 | 100 | 20 | 0.6 | 2915 | 51000 | 151000 | 2200 | 3300 | 75.2 | 100 | 90 | 85 | 0.6 | 0.425 | 2915 |
| 80 | 110 | 22 | 0.6 | 2916 | 57000 | 171000 | 2000 | 3000 | 80.2 | 110 | 98 | 92 | 0.6 | 0.600 | 2916 |
| 85 | 115 | 22 | 0.6 | 2917 | 59000 | 184000 | 1900 | 2900 | 85.2 | 115 | 103 | 97 | 0.6 | 0.640 | 2917 |
| 90 | 120 | 22 | 0.6 | 2918 | 59500 | 190000 | 1900 | 2900 | 90.2 | 120 | 108 | 102 | 0.6 | 0.670 | 2918 |
| 95 | 130 | 25 | 0.6 | 2919 | 75500 | 236000 | 1700 | 2600 | 95.2 | 130 | 116 | 109 | 0.6 | 0.795 | 2919 |
| 100 | 135 | 25 | 0.6 | 2920 | 78000 | 253000 | 1700 | 2500 | 100.2 | 135 | 121 | 114 | 0.6 | 0.930 | 2920 |
| 105 | 140 | 25 | 0.6 | 2921 | 78500 | 262000 | 1600 | 2500 | 105.2 | 140 | 126 | 119 | 0.6 | 1.02 | 2921 |
| 110 | 145 | 25 | 0.6 | 2922 | 78000 | 262000 | 1600 | 2400 | 110.2 | 145 | 131 | 124 | 0.6 | 1.15 | 2922 |
| 115 | 150 | 25 | 0.6 | 2923 | 73500 | 245000 | 1600 | 2400 | 115.2 | 150 | 136 | 129 | 0.6 | 1.25 | 2923 |
| 120 | 160 | 27 | 0.6 | 2924 | 94000 | 314000 | 1500 | 2200 | 120.2 | 160 | 144 | 136 | 0.6 | 1.35 | 2924 |
| 125 | 165 | 27 | 0.6 | 2925 | 85500 | 298000 | 1400 | 2200 | 125.3 | 165 | 149 | 141 | 0.6 | 1.48 | 2925 |
| 140 | 185 | 31 | 0.6 | 2928 | 106000 | 375000 | 1300 | 1900 | 140.3 | 185 | 167 | 158 | 0.6 | 2.33 | 2928 |