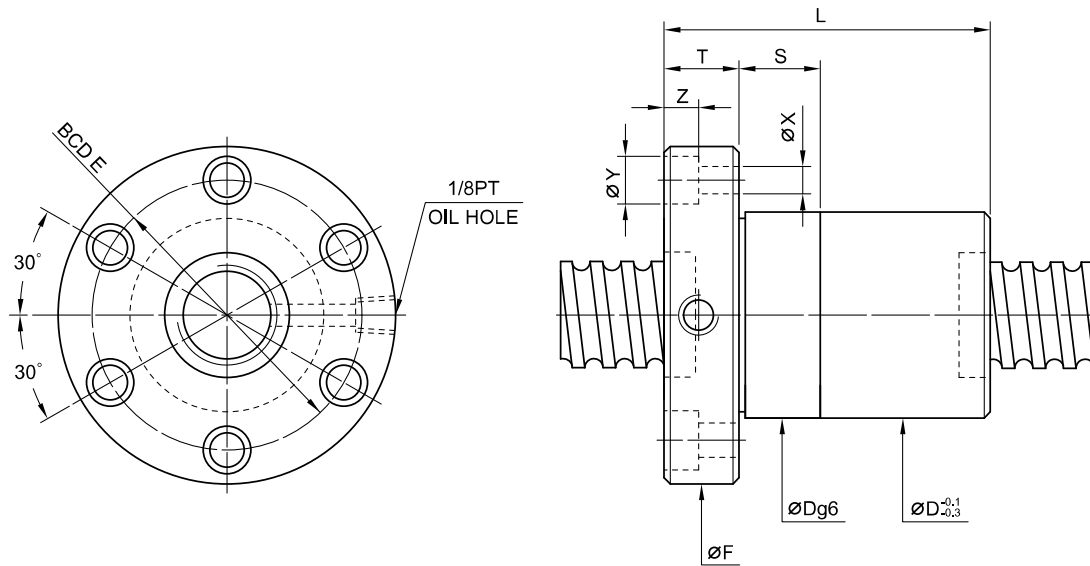
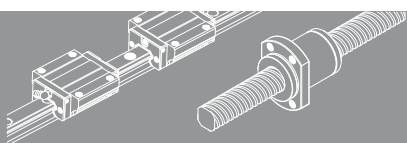


F S I TYPE

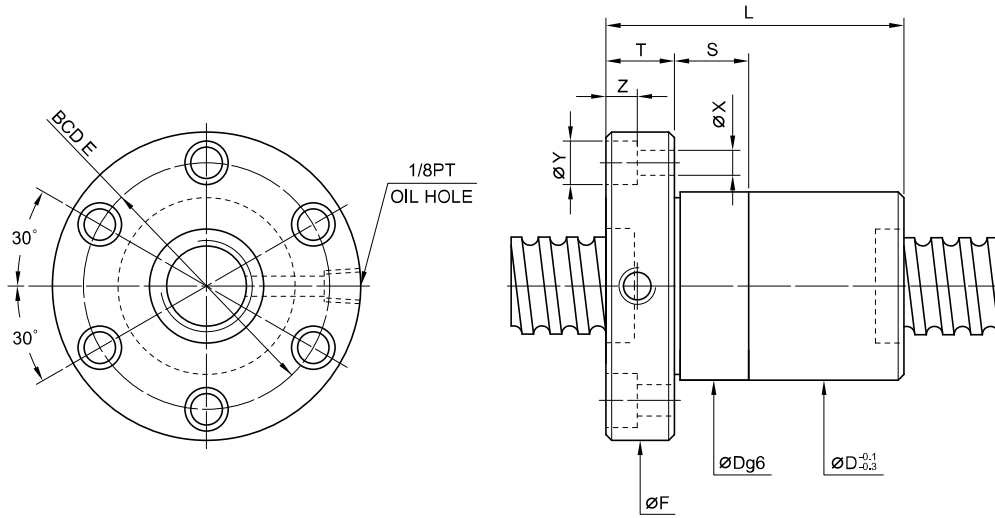


| Model | Size | | Ball Dia. | Circuits | Stiffness kgf / μ m K | Dynamic Load 1×10^6 revs C (kgf) | Static Load Co (kgf) | Nut | | Flange | | | Bolt | | | Fit | | |
|-----------|--------------|-------|-----------|----------|---------------------------|---|----------------------|-------|----|--------|-----|-------|------|-----|------|------|-----|----|
| | Nominal Dia. | Lead | | | | | | D | L | F | T | BCD-E | X | Y | Z | | S | |
| 32-5T3 | 32 | 5 | 3.175 | 3 | 33 | 1117 | 3081 | 44 | 48 | 46 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 12 | |
| 32-5T4 | | | | 4 | 42 | 1431 | 4108 | 44 | 48 | 53 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 12 | |
| 32-5T6 | | | | 6 | 63 | 2027 | 6162 | 44 | 48 | 66 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 12 | |
| 32-6T3 | | 6 | 3.969 | 3.969 | 3 | 33 | 1446 | 3620 | 45 | 50 | 51 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 12 |
| 32-6T4 | | | | | 4 | 43 | 1852 | 4826 | 45 | 50 | 61 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 12 |
| 32-6T6 | | | | | 6 | 65 | 2625 | 7239 | 45 | 50 | 75 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 12 |
| 32-8T3 | | 8 | 4.763 | 4.763 | 3 | 35 | 1810 | 4227 | 47 | 52 | 63 | 78 | 16 | 64 | 6.6 | 11 | 6.5 | 12 |
| 32-8T4 | | | | | 4 | 47 | 2317 | 5635 | 47 | 52 | 74 | 78 | 16 | 64 | 6.6 | 11 | 6.5 | 12 |
| 32-10T3 | | 10 | 6.350 | 6.350 | 3 | 35 | 2539 | 5327 | 51 | 56 | 72 | 82 | 16 | 68 | 6.6 | 11 | 6.5 | 12 |
| 32-10T4 | 4 | | | | 48 | 3252 | 7102 | 51 | 56 | 83 | 82 | 16 | 68 | 6.6 | 11 | 6.5 | 12 | |
| 40-5T4 | 40 | 5 | 3.175 | 4 | 50 | 1599 | 5280 | 51 | 54 | 53 | 80 | 16 | 66 | 6.6 | 11 | 6.5 | 12 | |
| 40-5T6 | | | | 6 | 74 | 2265 | 7919 | 51 | 54 | 66 | 80 | 16 | 66 | 6.6 | 11 | 6.5 | 12 | |
| 40-5,08T6 | | 5.08 | 3.175 | 6 | 74 | 2265 | 7919 | 53 | 56 | 65 | 90 | 15 | 72 | 9 | 14 | 8.5 | 15 | |
| 40-6T4 | | 6 | 3.969 | 3.969 | 4 | 50 | 2136 | 6420 | 53 | 56 | 65 | 88 | 16 | 72 | 9 | 14 | 8.5 | 15 |
| 40-6T6 | | | | | 6 | 74 | 3028 | 9630 | 53 | 56 | 79 | 88 | 16 | 72 | 9 | 14 | 8.5 | 15 |
| 40-8T4 | | 8 | 4.763 | 4.763 | 4 | 52 | 2132 | 6421 | 55 | 60 | 78 | 92 | 16 | 75 | 9 | 14 | 8.5 | 15 |
| 40-8T6 | | | | | 6 | 76 | 3021 | 9632 | 55 | 60 | 99 | 92 | 16 | 75 | 9 | 14 | 8.5 | 15 |
| 40-10T3 | | 10 | 6.350 | 6.350 | 3 | 40 | 2959 | 7069 | 60 | 65 | 76 | 96 | 16 | 80 | 9 | 14 | 8.5 | 15 |
| 40-10T4 | | | | | 4 | 51 | 3789 | 9426 | 60 | 65 | 87 | 96 | 16 | 80 | 9 | 14 | 8.5 | 15 |
| 50-5T4 | 50 | 5 | 3.175 | 4 | 62 | 1757 | 6745 | 62 | 65 | 57 | 96 | 16 | 80 | 9 | 14 | 8.5 | 15 | |
| 50-5T6 | | | | 6 | 91 | 2490 | 10117 | 62 | 65 | 70 | 96 | 16 | 80 | 9 | 14 | 8.5 | 15 | |
| 50-6T4 | | 6 | 3.969 | 3.969 | 4 | 62 | 2388 | 8250 | 64 | 68 | 65 | 100 | 16 | 84 | 9 | 14 | 8.5 | 15 |
| 50-6T6 | | | | | 6 | 93 | 3384 | 12375 | 64 | 68 | 79 | 100 | 16 | 84 | 9 | 14 | 8.5 | 15 |
| 50-8T4 | | 8 | 4.763 | 4.763 | 4 | 62 | 2998 | 9578 | 65 | 70 | 78 | 102 | 16 | 85 | 9 | 14 | 8.5 | 15 |
| 50-8T6 | | | | | 6 | 92 | 4249 | 14367 | 65 | 70 | 99 | 102 | 16 | 85 | 9 | 14 | 8.5 | 15 |
| 50-10T3 | | 10 | 6.350 | 6.350 | 3 | 50 | 3397 | 9256 | 69 | 74 | 78 | 114 | 18 | 92 | 11 | 17.5 | 11 | 20 |
| 50-10T4 | | | | | 4 | 63 | 4350 | 12341 | 69 | 74 | 89 | 114 | 18 | 92 | 11 | 17.5 | 11 | 20 |
| 50-10T6 | | | | | 6 | 94 | 6165 | 18511 | 69 | 74 | 112 | 114 | 18 | 92 | 11 | 17.5 | 11 | 20 |
| 50-12T3 | 12 | 7.938 | 7.938 | 3 | 50 | 4420 | 11047 | 73 | 78 | 90 | 118 | 18 | 96 | 11 | 17.5 | 11 | 20 | |
| 50-12T4 | | | | 4 | 63 | 5660 | 14730 | 73 | 78 | 103 | 118 | 18 | 96 | 11 | 17.5 | 11 | 20 | |
| 50-20T4 | 20 | 9.525 | 9.525 | 4 | 80 | 9327 | 23955 | 75 | 78 | 186 | 129 | 28 | 105 | 14 | 20 | 13 | 30 | |

Remark : Stiffness values listed above are derived from theoretical formula to the elastic deformation between balltrack and balls while axial load is 30% of dynamic load rating.

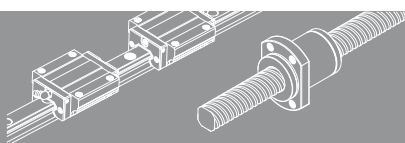


F S I TYPE



| Model | Size | | Ball Dia. | Circuits | Stiffness kgf / μm K | Dynamic Load 1×10^6 revs C (kgf) | Static Load Co (kgf) | Nut | | | Flange | | | Bolt | | | Fit | | | |
|----------|--------------|------|-----------|----------|---------------------------------------|---|-------------------------|-------|-------|-------|--------|-------|-----|------|------|------|------|----|------|----|
| | Nominal Dia. | Lead | | | | | | D | L | F | T | BCD-E | X | Y | Z | S | | | | |
| 63-6T4 | 63 | 6 | 3.969 | 4 | 75 | 2614 | 10542 | 78 | 80 | 66 | 119 | 18 | 98 | 11 | 17.5 | 11 | 20 | | | |
| 63-6T6 | | | | 6 | 113 | 3704 | 15813 | 78 | 80 | 81 | 119 | 18 | 98 | 11 | 17.5 | 11 | 20 | | | |
| 63-8T4 | | 8 | 4.763 | 4 | 77 | 3395 | 12541 | 79 | 82 | 80 | 122 | 18 | 100 | 11 | 17.5 | 11 | 20 | | | |
| 63-8T6 | | | | 6 | 114 | 4812 | 18811 | 79 | 82 | 101 | 122 | 18 | 100 | 11 | 17.5 | 11 | 20 | | | |
| 63-10T4 | | 10 | 6.350 | 6.350 | 4 | 79 | 4860 | 15858 | 82 | 88 | 91 | 134 | 20 | 110 | 14 | 20 | 13 | 20 | | |
| 63-10T6 | | | | | 6 | 115 | 6887 | 23786 | 82 | 88 | 114 | 134 | 20 | 110 | 14 | 20 | 13 | 20 | | |
| 63-12T4 | | | 12 | 7.938 | 4 | 78 | 6479 | 19293 | 86 | 92 | 105 | 138 | 20 | 114 | 14 | 20 | 13 | 20 | | |
| 63-12T6 | | | | | 6 | 113 | 9182 | 28939 | 86 | 92 | 133 | 138 | 20 | 114 | 14 | 20 | 13 | 20 | | |
| 80-10T4 | 80 | 10 | 6.350 | 4 | 96 | 5559 | 21118 | 99 | 105 | 91 | 152 | 20 | 127 | 14 | 20 | 13 | 20 | | | |
| 80-10T6 | | | | 6 | 140 | 7879 | 31677 | 99 | 105 | 114 | 152 | 20 | 127 | 14 | 20 | 13 | 20 | | | |
| 80-12T4 | | 12 | 7.938 | 4 | 97 | 7430 | 25681 | 103 | 110 | 109 | 170 | 24 | 138 | 18 | 26 | 17.5 | 25 | | | |
| 80-12T6 | | | | 6 | 141 | 10530 | 38521 | 103 | 110 | 137 | 170 | 24 | 138 | 18 | 26 | 17.5 | 25 | | | |
| 80-16T3 | | 16 | 9.525 | 9.525 | 3 | 95 | 9663 | 31622 | 108 | 115 | 118 | 174 | 24 | 143 | 18 | 26 | 17.5 | 25 | | |
| 80-16T4 | | | | | 4 | 130 | 12375 | 42162 | 108 | 115 | 136 | 174 | 24 | 143 | 18 | 26 | 17.5 | 25 | | |
| 80-20T3 | | | | | 20 | 4 | 3 | 95 | 9663 | 31622 | 108 | 115 | 138 | 174 | 24 | 143 | 18 | 26 | 17.5 | 25 |
| 80-20T4 | | | | | | | 4 | 125 | 12375 | 42162 | 108 | 115 | 161 | 174 | 24 | 143 | 18 | 26 | 17.5 | 25 |
| 100-12T4 | 100 | 12 | 7.938 | 4 | 105 | 8306 | 33001 | 123 | 130 | 109 | 190 | 24 | 158 | 18 | 26 | 17.5 | 25 | | | |
| 100-12T6 | | | | 6 | 175 | 11772 | 49502 | 123 | 130 | 137 | 190 | 24 | 158 | 18 | 26 | 17.5 | 25 | | | |
| 100-16T4 | | 16 | 9.525 | 4 | 107 | 13569 | 53161 | 125 | 135 | 136 | 194 | 24 | 163 | 18 | 26 | 17.5 | 30 | | | |
| 100-16T6 | | | | 6 | 140 | 19230 | 79741 | 125 | 135 | 173 | 194 | 24 | 163 | 18 | 26 | 17.5 | 30 | | | |
| 100-20T4 | | 20 | 4 | 155 | 13569 | 53161 | 125 | 135 | 161 | 194 | 24 | 163 | 18 | 26 | 17.5 | 30 | | | | |

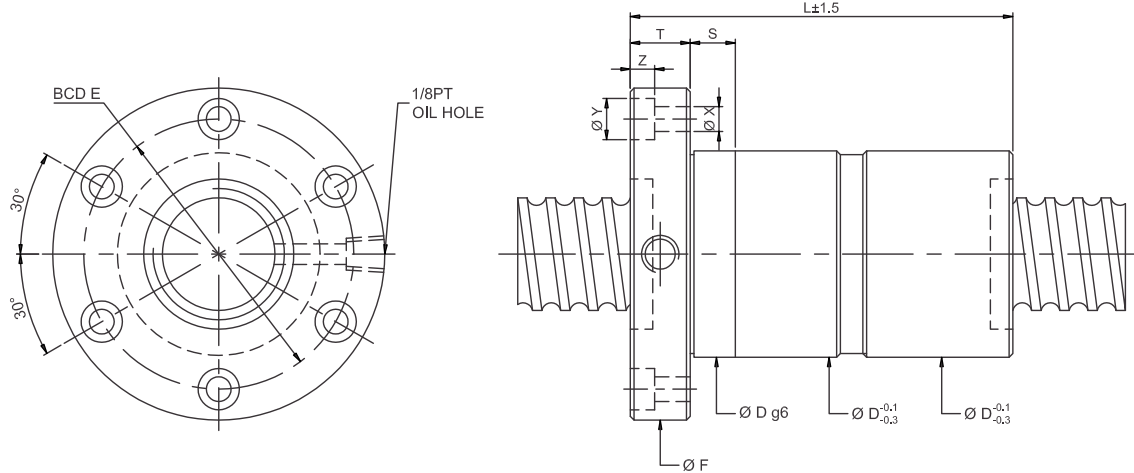
Remark : Stiffness values listed above are derived from theoretical formula to the elastic deformation between balltrack and balls while axial load is 30% of dynamic load rating.



PRECISION GROUND BALL SCREW

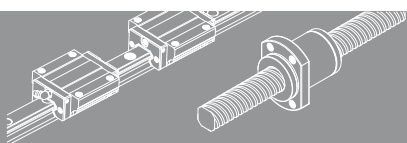


F D I TYPE



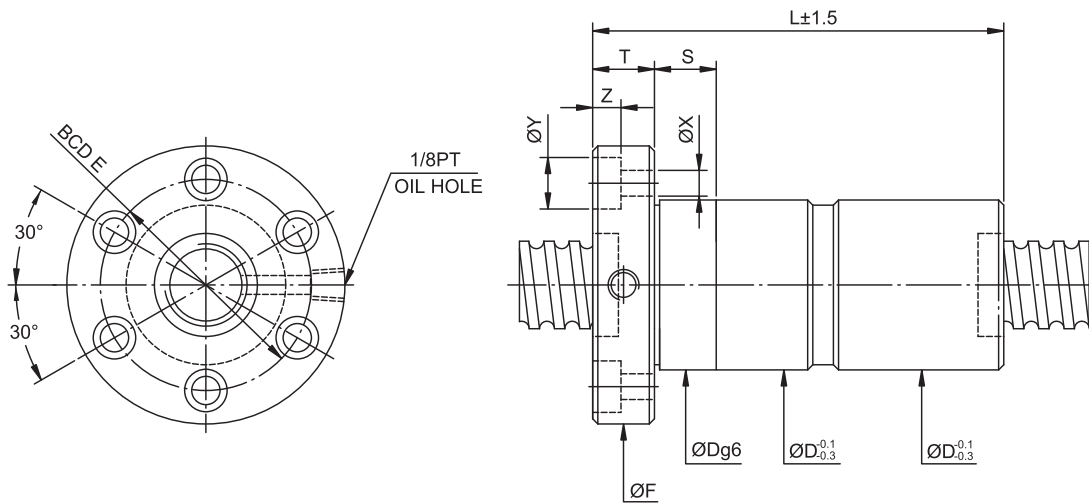
| Model | Size | | Ball Dia. | Circuits | Stiffness kgf/mm K | Dynamic Load 1x10 ⁶ revs C (kgf) | Static Load Co(kgf) | Nut | | Flange | | | Bolt | | | Fit | |
|------------|--------------|------|-----------|----------|--------------------|---|---------------------|------|------|--------|----|-------|------|-----|-----|-----|----|
| | Nominal Dia. | Lead | | | | | | D | L | F | T | BCD-E | X | Y | Z | S | |
| 16-5T3 | 16 | 5 | 3.175 | 3 | 20 | 731 | 1331 | 28 | 30 | 78 | 54 | 12 | 41 | 5.5 | 9.5 | 5.5 | 24 |
| 16-5T4 | | | | 4 | 23 | 936 | 1775 | 28 | 30 | 90 | 54 | 12 | 41 | 5.5 | 9.5 | 5.5 | 24 |
| 20-5T3 | 3 | | | 39 | 852 | 1767 | 32 | 34 | 78 | 57 | 12 | 45 | 5.5 | 9.5 | 5.5 | 24 | |
| 20-5T4 | 4 | | | 54 | 1091 | 2356 | 32 | 34 | 92 | 57 | 12 | 45 | 5.5 | 9.5 | 5.5 | 24 | |
| 20-6T3 | | | | 3 | 39 | 1091 | 2081 | 34 | 36 | 89 | 60 | 12 | 48 | 5.5 | 9.5 | 5.5 | 24 |
| 20-6T4 | | | | 4 | 54 | 1398 | 2774 | 34 | 36 | 109 | 60 | 12 | 48 | 5.5 | 9.5 | 5.5 | 24 |
| 25-2.5T5 | 25 | 2.5 | 2.000 | 5 | 66 | 716 | 2117 | 35 | 40 | 87 | 65 | 10 | 51 | 6.6 | 11 | 6.5 | 24 |
| 25-5T3 | | 5 | 3.175 | 3 | 55 | 977 | 2314 | 37 | 40 | 78 | 64 | 12 | 52 | 5.5 | 9.5 | 5.5 | 24 |
| 25 5T4 | | | | 4 | 73 | 1252 | 3085 | 37 | 40 | 96 | 64 | 12 | 52 | 5.5 | 9.5 | 5.5 | 24 |
| 25 6T3 | | 6 | 3.969 | 3 | 56 | 1272 | 2762 | 38 | 42 | 89 | 65 | 12 | 53 | 5.5 | 9.5 | 5.5 | 24 |
| 25-6T4 | | | | 4 | 75 | 1628 | 3682 | 38 | 42 | 109 | 65 | 12 | 53 | 5.5 | 9.5 | 5.5 | 24 |
| 25 10T3 | | 10 | 4.763 | 3 | 49 | 1643 | 3265 | 47 | 51 | 140 | 74 | 15 | 60 | 6.6 | 11 | 6.5 | 24 |
| 28-5T5 | 28 | 5 | 3.175 | 5 | 86 | 1619 | 4404 | 45 | 50 | 110 | 74 | 12 | 62 | 5.5 | 9.5 | 5.5 | 24 |
| 28-10T4 | | 10 | 4.763 | 4 | 70 | 2199 | 4969 | 45 | 50 | 150 | 74 | 12 | 61 | 6.6 | 11 | 6.5 | 24 |
| 32-2.5T6 | 32 | 2.5 | 2.000 | 6 | 97 | 928 | 3339 | 45 | 51 | 106 | 74 | 12 | 62 | 5.5 | 9.5 | 5.5 | 24 |
| 32-5T3 | | 5 | 3.175 | 3 | 64 | 1117 | 3081 | 44 | 48 | 78 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 24 |
| 32-5T4 | | | | 4 | 82 | 1431 | 4108 | 44 | 48 | 96 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 24 |
| 32-5T6 | | | | 6 | 121 | 2027 | 6162 | 44 | 48 | 118 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 24 |
| 32-5 08 T4 | | 5.08 | | 4 | 82 | 1430 | 4108 | 44 | 48 | 96 | 74 | 12 | 60 | 6.6 | 11 | 6.5 | 24 |
| 32 6T3 | | 6 | 3.969 | 3 | 65 | 1446 | 3620 | 45 | 50 | 89 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 24 |
| 32-6T4 | | | | 4 | 84 | 1852 | 4826 | 45 | 50 | 109 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 24 |
| 32-6T6 | | | | 6 | 125 | 2625 | 7239 | 45 | 50 | 137 | 76 | 12 | 62 | 6.6 | 11 | 6.5 | 24 |
| 32-8T3 | | 8 | 4.763 | 3 | 68 | 1810 | 4227 | 47 | 52 | 110 | 78 | 16 | 64 | 6.6 | 11 | 6.5 | 24 |
| 32-8T4 | | | | 4 | 82 | 2317 | 5635 | 47 | 52 | 136 | 78 | 16 | 64 | 6.6 | 11 | 6.5 | 24 |
| 32-10T3 | | 10 | 6.350 | 3 | 68 | 2539 | 5327 | 51 | 56 | 129 | 82 | 16 | 68 | 6.6 | 11 | 6.5 | 24 |
| 32-10T4 | | | | 4 | 82 | 3252 | 7102 | 51 | 56 | 155 | 82 | 16 | 68 | 6.6 | 11 | 6.5 | 24 |
| 40-5T4 | 40 | 5 | 3.175 | 4 | 99 | 1599 | 5280 | 51 | 54 | 96 | 80 | 16 | 66 | 6.6 | 11 | 6.5 | 24 |
| 40-5T6 | | | | 6 | 146 | 2265 | 7919 | 51 | 54 | 122 | 80 | 16 | 66 | 6.6 | 11 | 6.5 | 24 |
| 40-6T4 | | 6 | 3.969 | 4 | 100 | 2136 | 6420 | 53 | 56 | 113 | 88 | 16 | 72 | 9 | 14 | 8.5 | 30 |
| 40-6T6 | | | | 6 | 148 | 3028 | 9630 | 53 | 56 | 141 | 88 | 16 | 72 | 9 | 14 | 8.5 | 30 |
| 40-8T4 | | 8 | 4.763 | 4 | 102 | 2728 | 7596 | 55 | 60 | 136 | 92 | 16 | 75 | 9 | 14 | 8.5 | 30 |
| 40-8T6 | | | | 6 | 150 | 3866 | 11394 | 55 | 60 | 178 | 92 | 16 | 75 | 9 | 14 | 8.5 | 30 |
| 40 10T3 | | 10 | 6.350 | 3 | 76 | 2959 | 7069 | 60 | 65 | 133 | 96 | 16 | 80 | 9 | 14 | 8.5 | 30 |
| 40-10T4 | | | | 4 | 101 | 3789 | 9426 | 60 | 65 | 155 | 96 | 16 | 80 | 9 | 14 | 8.5 | 30 |
| 40-10T5 | | | | 5 | 119 | 4590 | 1178 | 60 | 65 | 192 | 96 | 16 | 80 | 9 | 14 | 8.5 | 30 |
| 40-12T3 | | | | 12 | | 3 | 73 | 2958 | 7069 | 58 | 60 | 160 | 96 | 18 | 80 | 9 | 14 |
| 40-12T4 | | 4 | 101 | | | 3789 | 9425 | 58 | 60 | 186 | 96 | 18 | 80 | 9 | 14 | 8.5 | 30 |

Remark : Stiffness values listed above are derived from theoretical formula to the elastic deformation between balltrack and balls while preload is 10% of dynamic load rating and axial load is applied.



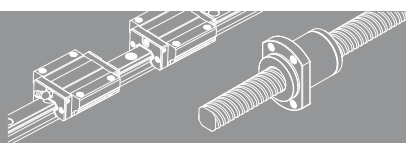
PRECISION GROUND BALL SCREW

F D I TYPE



| Model | Size | | Ball Dia. | PCD | RD | Circuits | Stiffness kgf / μm K | Dynamic Load 1×10^6 revs C (kgf) | Static Load Co (kgf) | Nut | | | Flange | | | Bolt | | | Fit | | |
|----------|--------------|------|-----------|-------|--------|----------|---------------------------------------|---|-------------------------|-------|-------|-----|--------|-------|------|------|------|------|------|------|----|
| | Nominal Dia. | Lead | | | | | | | | D | L | F | T | BCD-E | X | Y | Z | S | | | |
| 45-10T4 | 45 | 10 | 7.144 | 46.6 | 39.299 | 4 | 108 | 4683 | 11930 | 68 | 70 | 160 | 110 | 18 | 90 | 11 | 17.5 | 11 | 30 | | |
| 45-12T3 | | 12 | 6.350 | 46.4 | 39.91 | 3 | 80 | 3115 | 7952 | 68 | 70 | 183 | 110 | 16 | 90 | 11 | 17.5 | 11 | 30 | | |
| 45-16T3 | | 16 | 7.144 | 46.6 | 39.299 | 3 | 82 | 3656 | 8947 | 68 | 70 | 183 | 110 | 16 | 90 | 11 | 17.5 | 11 | 30 | | |
| 50-5T4 | 50 | 5 | 3.175 | 50.6 | 47.324 | 4 | 121 | 1757 | 6745 | 62 | 65 | 96 | 96 | 16 | 80 | 9 | 14 | 8.5 | 30 | | |
| 50-5T6 | | | | 6 | 177 | 2490 | 10117 | 62 | 65 | 122 | 96 | 16 | 80 | 9 | 14 | 8.5 | 30 | | | | |
| 50-6T4 | | 6 | 3.969 | 50.8 | 46.744 | 4 | 123 | 2388 | 8250 | 64 | 68 | 113 | 100 | 16 | 84 | 9 | 14 | 8.5 | 30 | | |
| 50-6T6 | | | | 6 | 179 | 3384 | 12375 | 64 | 68 | 147 | 100 | 16 | 84 | 9 | 14 | 8.5 | 30 | | | | |
| 50-8T4 | | 8 | 4.763 | 51 | 46.132 | 4 | 122 | 2998 | 9578 | 65 | 70 | 136 | 102 | 16 | 85 | 9 | 14 | 8.5 | 30 | | |
| 50-8T6 | | | | 6 | 178 | 4249 | 14367 | 65 | 70 | 178 | 102 | 16 | 85 | 9 | 14 | 8.5 | 30 | | | | |
| 50-10T3 | | 10 | 6.350 | 51.4 | 44.91 | 3 | 95 | 3397 | 9256 | 69 | 74 | 135 | 114 | 18 | 92 | 11 | 17.5 | 11 | 40 | | |
| 50-10T4 | | | | 4 | 124 | 4350 | 12341 | 69 | 74 | 157 | 114 | 18 | 92 | 11 | 17.5 | 11 | 40 | | | | |
| 50-10T6 | | | | 6 | 184 | 6165 | 18511 | 69 | 74 | 203 | 114 | 18 | 92 | 11 | 17.5 | 11 | 40 | | | | |
| 50-12T3 | | | | 12 | 7.938 | 51.8 | 43.688 | 3 | 94 | 4420 | 11047 | 73 | 78 | 158 | 118 | 18 | 96 | 11 | 17.5 | 11 | 40 |
| 50-12T4 | | 4 | 124 | | | 5660 | 14730 | 73 | 78 | 184 | 118 | 18 | 96 | 11 | 17.5 | 11 | 40 | | | | |
| 63-6T4 | | 63 | 6 | 3.969 | 63.8 | 59.744 | 4 | 148 | 2674 | 10542 | 78 | 80 | 115 | 119 | 18 | 98 | 11 | 17.5 | 11 | 40 | |
| 63-6T6 | 6 | | | | 220 | 3704 | 15813 | 78 | 80 | 143 | 119 | 18 | 98 | 11 | 17.5 | 11 | 40 | | | | |
| 63-8T4 | 8 | | 4.763 | 64 | 59.132 | 4 | 152 | 3395 | 12541 | 79 | 82 | 138 | 122 | 18 | 100 | 11 | 17.5 | 11 | 40 | | |
| 63-8T6 | | | | 6 | 222 | 4812 | 18811 | 79 | 82 | 180 | 122 | 18 | 100 | 11 | 17.5 | 11 | 40 | | | | |
| 63-10T4 | 10 | | 6.350 | 64.4 | 57.91 | 4 | 158 | 4860 | 15858 | 82 | 88 | 159 | 134 | 20 | 110 | 14 | 20 | 13 | 40 | | |
| 63-10T6 | | | | 6 | 228 | 6887 | 23786 | 82 | 88 | 205 | 134 | 20 | 110 | 14 | 20 | 13 | 40 | | | | |
| 63-12T4 | 12 | | 7.938 | 64.8 | 56.688 | 4 | 152 | 6479 | 19293 | 86 | 92 | 186 | 138 | 20 | 114 | 14 | 20 | 13 | 40 | | |
| 63-12T6 | | | | 6 | 224 | 9182 | 28939 | 86 | 92 | 242 | 138 | 20 | 114 | 14 | 20 | 13 | 40 | | | | |
| 80-10T4 | 80 | | 10 | 6.350 | 81.4 | 74.91 | 4 | 190 | 5559 | 21118 | 99 | 105 | 172 | 152 | 20 | 127 | 14 | 20 | 13 | 40 | |
| 80-10T6 | | | | | 6 | 277 | 7879 | 31677 | 99 | 105 | 214 | 152 | 20 | 127 | 14 | 20 | 13 | 40 | | | |
| 80-12T4 | | | 12 | 7.938 | 81.8 | 73.688 | 4 | 192 | 7430 | 25681 | 103 | 110 | 190 | 170 | 24 | 138 | 18 | 26 | 17.5 | 50 | |
| 80-12T6 | | | | | 6 | 280 | 10530 | 38521 | 103 | 110 | 246 | 170 | 24 | 138 | 18 | 26 | 17.5 | 50 | | | |
| 80-16T3 | | 16 | 9.525 | 82.2 | 72.466 | 3 | 188 | 9663 | 31622 | 108 | 115 | 208 | 174 | 24 | 143 | 18 | 26 | 17.5 | 50 | | |
| 80-16T4 | | | | 4 | 254 | 12375 | 42162 | 108 | 115 | 244 | 174 | 24 | 143 | 18 | 26 | 17.5 | 50 | | | | |
| 80-20T3 | | | | 20 | 9.525 | 82.2 | 72.466 | 3 | 189 | 9663 | 31622 | 108 | 115 | 250 | 174 | 24 | 143 | 18 | 26 | 17.5 | 50 |
| 80-20T4 | | | | | | 4 | 248 | 12375 | 42162 | 108 | 115 | 296 | 174 | 24 | 143 | 18 | 26 | 17.5 | 50 | | |
| 100-12T4 | | 100 | 12 | 7.938 | 101.8 | 93.688 | 4 | 206 | 8306 | 33001 | 123 | 130 | 190 | 190 | 24 | 158 | 18 | 26 | 17.5 | 50 | |
| 100-12T6 | | | | | 6 | 343 | 11772 | 49502 | 123 | 130 | 246 | 190 | 24 | 158 | 18 | 26 | 17.5 | 50 | | | |
| 100-16T4 | | | 16 | 9.525 | 102.2 | 92.466 | 4 | 212 | 13569 | 53161 | 135 | 135 | 244 | 194 | 24 | 163 | 18 | 26 | 17.5 | 60 | |
| 100-16T6 | | | | | 6 | 276 | 19230 | 79741 | 135 | 135 | 318 | 194 | 24 | 163 | 18 | 26 | 17.5 | 60 | | | |
| 100-20T4 | 20 | | 300 | 13569 | 53161 | 135 | 135 | 296 | 194 | 24 | 316 | 18 | 26 | 17.5 | 60 | | | | | | |

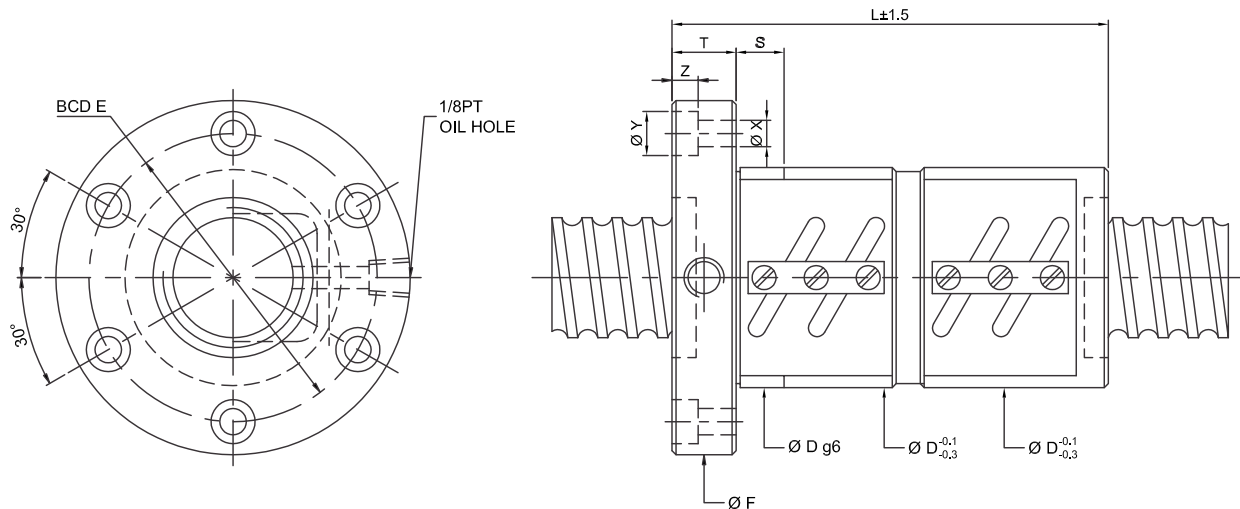
Remark : Stiffness values listed above are derived from theoretical formula while preload is 10% of dynamic load rating.



PRECISION GROUND BALL SCREW



F D W TYPE



| Model | Size | | Ball Dia | Circuits | Stiffness kgf/ μ m K | Dynamic Load 1 X1 0 ⁶ revs C (kgf) | Static Load co(kgf) | Nut | | Flange | | | Bolt | | | Fit |
|----------|--------------|------|----------|----------|--------------------------------|---|------------------------|-----|-----|--------|----|--------|------|-----|-----|-----|
| | Nominal Dia. | Lead | | | | | | D | L | F | T | BC D-E | X | Y | Z | |
| 16-5B2 | 16 | 5 | 3.175 | 2.5x2 | 65 | 1385 | 2799 | 40 | 110 | 64 | 12 | 51 | 5.5 | 9.5 | 5.5 | 24 |
| 16-5131 | | | | 2.5x1 | 32 | 763 | 1400 | 40 | 80 | 64 | 12 | 51 | 5.5 | 9.5 | 5.5 | 24 |
| 16-501 | | | | 3.5x1 | 46 | 1013 | 1946 | 40 | 90 | 64 | 12 | 51 | 5.5 | 9.5 | 5.5 | 24 |
| 20-581 | 20 | 6 | 3.969 | 2.5x1 | 38 | 837 | 1733 | 44 | 80 | 68 | 12 | 55 | 5.5 | 9.5 | 5.5 | 24 |
| 20-5132 | | | | 2.5x2 | 76 | 1519 | 3465 | 44 | 110 | 68 | 12 | 55 | 5.5 | 9.5 | 5.5 | 24 |
| 20-681 | | | | 2.5x1 | 40 | 1139 | 2187 | 48 | 92 | 72 | 12 | 59 | 5.5 | 9.5 | 5.5 | 24 |
| 20-6C1 | 25 | 5 | 3.175 | 3.5x1 | 55 | 1512 | 3041 | 48 | 104 | 72 | 12 | 59 | 5.5 | 9.5 | 5.5 | 24 |
| 25-5A2 | | | | 1.5x2 | 54 | 1092 | 2622 | 50 | 102 | 73 | 11 | 61 | 5.5 | 9.5 | 5.5 | 24 |
| 25-5B1 | | | | 2.5x1 | 46 | 939 | 2209 | 50 | 80 | 74 | 12 | 62 | 5.5 | 9.5 | 5.5 | 24 |
| 25-5B2 | 25 | 6 | 3,969 | 2.5x2 | 90 | 1704 | 4417 | 50 | 110 | 74 | 12 | 62 | 5.5 | 9.5 | 5.5 | 24 |
| 25-501 | | | | 3.5x1 | 68 | 1252 | 3085 | 50 | 90 | 74 | 12 | 62 | 5.5 | 9.5 | 5.5 | 24 |
| 25-692 | | | | 2.5x2 | 94 | 2304 | 5524 | 56 | 128 | 82 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 25-6C1 | 28 | 10 | 4.763 | 3.5x1 | 66 | 1690 | 3844 | 56 | 104 | 82 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 25-10131 | | | | 2.5x1 | 48 | 1592 | 3237 | 60 | 122 | 86 | 16 | 73 | 6.6 | 11 | 6.5 | 24 |
| 28-5B1 | | | | 2.5x1 | 51 | 984 | 2466 | 55 | 80 | 85 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 28-5B2 | 28 | 5 | 3,175 | 2.5x2 | 98 | 1785 | 4932 | 55 | 110 | 85 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 28-6A2 | | | | 1.5x2 | 59 | 1150 | 2960 | 55 | 110 | 85 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 28-6B2 | | | | 2.5x2 | 98 | 1776 | 4980 | 55 | 123 | 85 | 12 | 69 | 6.6 | 11 | 6.5 | 24 |
| 32-4B2 | 32 | 4 | 2.381 | 2.5x2 | 91 | 1071 | 3582 | 54 | 93 | 81 | 12 | 67 | 6.6 | 11 | 6.5 | 24 |
| 32-581 | | | | 2,5x1 | 55 | 1039 | 2833 | 58 | 80 | 84 | 12 | 71 | 6.6 | 11 | 6.5 | 24 |
| 32-5B2 | | | | 2.5x2 | 109 | 1886 | 5666 | 58 | 110 | 84 | 12 | 71 | 6.6 | 11 | 6.5 | 24 |
| 32-5C1 | 32 | 5 | 3.175 | 3.5x1 | 76 | 1388 | 3967 | 58 | 90 | 84 | 12 | 71 | 6.6 | 11 | 6.5 | 24 |
| 32-6131 | | | | 2.5x1 | 57 | 1409 | 3510 | 62 | 92 | 88 | 12 | 75 | 6.6 | 11 | 6.5 | 24 |
| 32-6B2 | | | | 2.5x2 | 112 | 2556 | 7020 | 62 | 128 | 88 | 12 | 75 | 6.6 | 11 | 6.5 | 24 |
| 32-6C1 | 32 | 6 | 3.969 | 3.5x1 | 78 | 1888 | 4936 | 62 | 104 | 88 | 12 | 75 | 6.6 | 11 | 6.5 | 24 |
| 32-8A2 | | | | 1.5x2 | 70 | 2082 | 5151 | 66 | 135 | 100 | 15 | 82 | 9 | 14 | 8.5 | 30 |
| 32-8B1 | | | | 2.5x1 | 58 | 1810 | 4227 | 66 | 110 | 100 | 16 | 82 | 9 | 14 | 8.5 | 30 |
| 32-8B2 | 32 | 8 | 4.763 | 2.5x2 | 115 | 3284 | 8453 | 66 | 158 | 100 | 16 | 82 | 9 | 14 | 8.5 | 30 |
| 32-8B3 | | | | 2.5x3 | 168 | 4653 | 12678 | 74 | 205 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 |
| 32-8C1 | | | | 3.5x1 | 82 | 2428 | 5948 | 66 | 126 | 100 | 16 | 82 | 9 | 14 | 8.5 | 30 |
| 32-10A2 | 32 | 10 | 6.350 | 1.5x2 | 72 | 3051 | 6612 | 74 | 167 | 108 | 15 | 90 | 9 | 14 | 8.5 | 30 |
| 32-10B1 | | | | 2.5x1 | 58 | 2651 | 5600 | 74 | 122 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 |
| 32-10B2 | | | | 2.5x2 | 118 | 4810 | 11199 | 74 | 182 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 |
| 32-10C1 | 32 | 12 | 6.350 | 3.5x1 | 86 | 3519 | 7785 | 74 | 142 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 |
| 32-12B1 | | | | 2.5x1 | 62 | 2602 | 5510 | 74 | 153 | 108 | 18 | 90 | 9 | 14 | 8.5 | 30 |
| 32-12B2 | | | | 2.5x2 | 118 | 4810 | 11199 | 74 | 232 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 |
| 32-12C1 | 3.5x1 | 84 | 3518 | 7784 | 74 | 166 | 108 | 16 | 90 | 9 | 14 | 8.5 | 30 | | | |

Remark : Stiffness values listed above are derived from theoretical formula to the elastic deformation between balltrack and balls while preload is 10% of dynamic load rating and axial load is applied.

