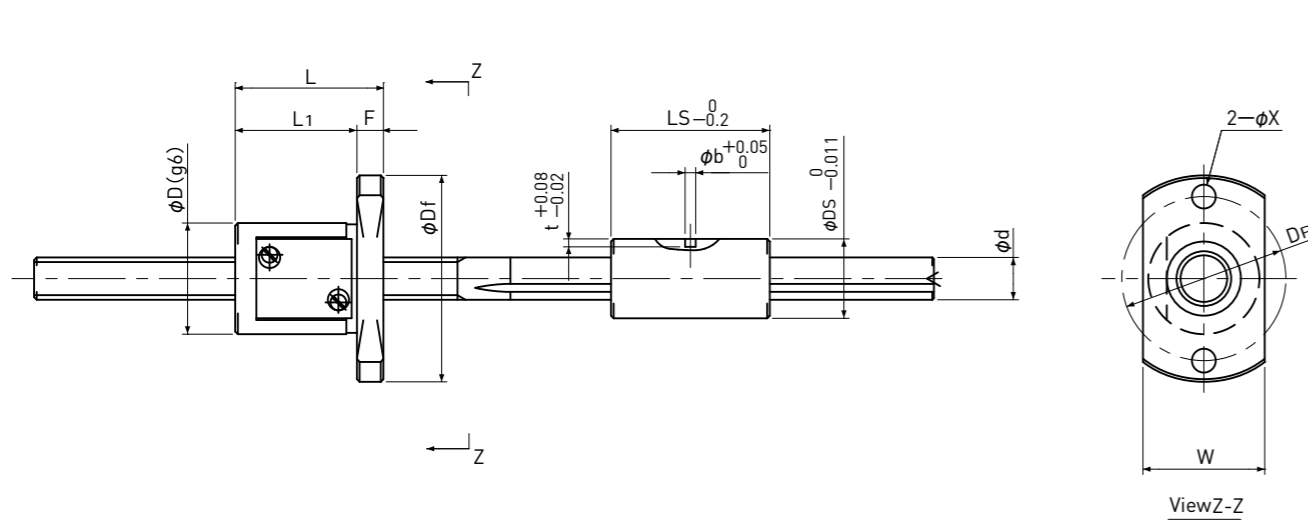
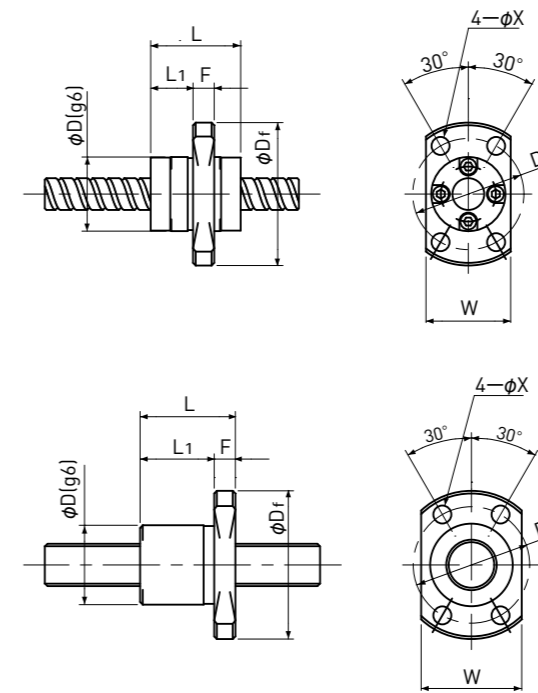


Ball Screw with Ball Spline

Separated type



Type-1 : Return-plate type (Ball Screw Nut)



Type-2 : End-cap type (Ball Screw Nut)

Type-3 : Internal-deflector type (Ball Screw Nut)

Unit:mm

| Ball Nut Model number | Shaft nominal dia. d | Ball Screw part | | | | | | | | | | | | | Ball Spline part | | | | | | | | | | Bore hollow | Shaft Inertia Kgmm ² /mm | Ball Nut Model number |
|-----------------------|----------------------|-----------------|-------------------------------|--------|---------------|------------|----|----|----|------|---|----|----|-------------|-------------------------------|--------|---------------------------------|--------|---------------------------------|---------------|--------|-----------|----------|-----|-------------|-------------------------------------|-----------------------|
| | | Lead | Basic Load Rating (Reference) | | Nut dimension | | | | | | | | | | Basic Load Rating (Reference) | | Basic Torque Rating (Reference) | | Permissible Moment (Ref.) Mo Nm | Nut dimension | | | | | | | |
| | | | Ca N | Coa N | Nut type | Nut mass g | D | Dr | L | L1 | F | W | Dp | Bolt Hole X | Cr N | Cor N | Ct Nm | Cot Nm | | Nut mass g | OD. Ds | Length Ls | Pin hole | | | | |
| N | N | | g | | | | | | | | | | | | | | | | b | t | | | | | | | |
| BSSP 0602/06 | 6 | 2 | (750) | (1200) | 1 | 25 | 15 | 29 | 17 | 13 | 4 | 17 | 23 | 3.4 | (860) | (1400) | (2.2) | (1.6) | (3.0) | 14 | 12 | 27 | 1.5 | 1.2 | 2 | 9.99 × 10 ⁻¹⁰ | BSSP 0602/06 |
| BSSP 0606/06 | | 6 | (870) | (1450) | 2 | 20 | 14 | 27 | 17 | 8 | 4 | 16 | 21 | 3.4 | | | | | | | | | | | | | BSSP 0606/06 |
| BSSP 0610/06 | | 10 | (950) | (1600) | 2 | 20 | 14 | 27 | 23 | 11.5 | 4 | 16 | 21 | 3.4 | | | | | | | | | | | | | BSSP 0610/06 |
| BSSP 0802/08(1) | 8 | 2 | (850) | (1600) | 1 | 25 | 16 | 30 | 17 | 13 | 4 | 18 | 24 | 3.4 | (1200) | (1900) | (4.1) | (3.1) | (4.1) | 22 | 15 | 30 | 2.0 | 1.5 | 3 | 31.6 × 10 ⁻¹⁰ | BSSP 0802/08(1) |
| BSSP 0802/08(2) | | 2 | (2400) | (4000) | 1 | 60 | 20 | 38 | 24 | 19 | 5 | 22 | 30 | 4.5 | | | | | | | | | | | | | BSSP 0802/08(2) |
| BSSP 0802/08(3) | | 2 | (1300) | (2300) | 3 | 25 | 15 | 28 | 18 | 14 | 4 | 17 | 22 | 3.4 | | | | | | | | | | | | | BSSP 0802/08(3) |
| BSSP 0804/08 | | 4 | (2600) | (4200) | 1 | 75 | 21 | 39 | 28 | 23 | 5 | 23 | 31 | 4.5 | | | | | | | | | | | | | BSSP 0804/08 |
| BSSP 0812/08 | | 12 | (2200) | (4000) | 2 | 40 | 18 | 31 | 27 | 17 | 4 | 20 | 25 | 3.4 | | | | | | | | | | | | | BSSP 0812/08 |

- Note 1) Please note that Bore hollow is an option, not a standard. In some cases Bore hollow is not available due to Shaft length.
- Note 2) If special profile of Ball Screw Nut / Ball Spline Nut, please ask KSS representative.
- Note 3) Basic Load Rating, Basic Torque Rating and Permissible Moment are theoretical number based on effective number of Balls. They may vary drastically depending on operating condition. Please consider them just reference.
- Note 4) It is difficult to estimate theoretical life, because of combined products with Ball Spline which withstands Radial Load and Ball Screw for Axial Load. We would recommend that final decision should be based on your evaluation on actual machine or our experimental data.
- Note 5) Maximum limit of Shaft length is 150mm(for φ6), 200mm(for φ8). Please ask KSS in case of exceeding limit length.