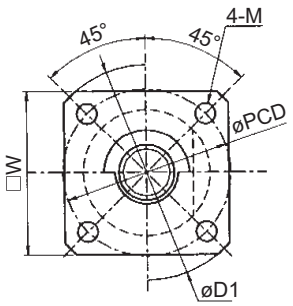
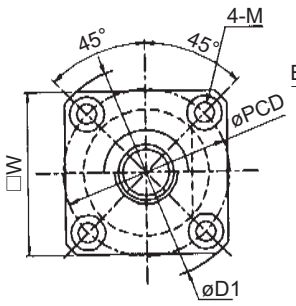
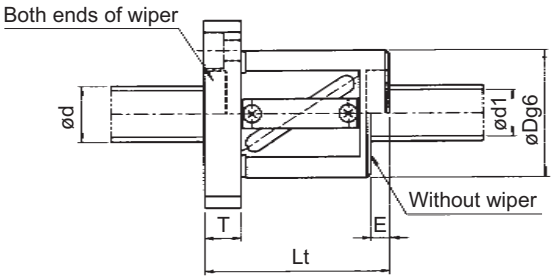
# Custom Ball Screw: TUBE METHOD SINGLE NUT (Accuracy grade C0-C10)




Flange type E




Flange type A




(Unit: mm)

| Model No. | Screw shaft diameter d | Lead L | Ball diameter $D_b$ | Root diameter $d_1$ | Number of circuits Turn x Circuit | Basic dynamic load rating C (N) | Basic static load rating $C_0$ (N) | *Rigidity $K_{NS}$ (N/μm) | Nut dimensions | | | | | | | | | | | | | | | | Mass | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Outer diameter D | Overall length $L_t$ | Wiper material | Without wiper E | Flange thickness T | Flange outer diameter $D_1$ | Flange type | Flange dimensions W | X | Y | A | B | G | Q | Mounting hole PCD | M Drill | M Spot facing | M Depth | Nut (kg) | Screw shaft (kg/100mm) |
| GR0501GS-EGNR | 5 | 1 | 0.8000 | 4.3 | 3.5×1 | 600 | 1100 | 50 | 12 | 16 | N | — | 3 | 25 | E | 19 | — | — | — | — | — | — | 18 | 2.8 | — | — | 0.02 | 0.02 |
| GR081FDS-AAFR | 8 | 1.5 | 1.0000 | 7.1 | 2.5×1 | 850 | 1900 | 50 | 16 | 24 | F | 5 | 5 | 32 | A | 25 | — | — | — | — | — | — | 23 | 3.4 | 6.5 | 3.3 | 0.04 | 0.04 |
| GR0802DS-AAFR | 8 | 2 | 1.5875 | 6.6 | 2.5×1 | 1950 | 2600 | 60 | 20 | 30 | F | 3 | 5 | 36 | A | 28 | — | — | — | — | — | — | 27 | 3.4 | 6.5 | 3.3 | 0.07 | 0.04 |
| GR082FDS-AAFR | 8 | 2.5 | 2.0000 | 6.3 | 2.5×1 | 2350 | 3300 | 60 | 22 | 29 | F | 2 | 5 | 38 | A | 29 | — | — | — | — | — | — | 29 | 3.4 | 6.5 | 3.3 | 0.08 | 0.04 |
| GR0803DS-AAFR | 8 | 3 | 2.0000 | 6.3 | 2.5×1 | 2350 | 3300 | 60 | 22 | 30 | F | 3 | 5 | 38 | A | 29 | — | — | — | — | — | — | 29 | 3.4 | 6.5 | 3.3 | 0.09 | 0.04 |
| GR0804DS-AAFR | 8 | 4 | 2.0000 | 6.3 | 2.5×1 | 2350 | 3300 | 60 | 22 | 30 | F | 3 | 5 | 38 | A | 29 | — | — | — | — | — | — | 29 | 3.4 | 6.5 | 3.3 | 0.09 | 0.04 |
| GR0806AS-AAFR | 8 | 6 | 2.0000 | 6.3 | 1.5×1 | 1550 | 2000 | 40 | 22 | 29 | F | 3 | 5 | 38 | A | 29 | — | — | — | — | — | — | 29 | 3.4 | 6.5 | 3.3 | 0.08 | 0.04 |
| GR0808AS-AAFR | 8 | 8 | 2.0000 | 6.3 | 1.5×1 | 1550 | 2000 | 40 | 23 | 29 | F | 3 | 5 | 39 | A | 30 | — | — | — | — | — | — | 30 | 3.4 | 6.5 | 3.3 | 0.09 | 0.04 |

Note: • The rigidity indicated with the *mark in the above list represents the operational value based on the result of rigidity testing. This value is calculated from the elastic displacement measured when the axial load equivalent to 30% of basic dynamic load rating (C) is applied between the screw thread and the balls.
• Wiper material F: Felt wiper, N: Without wiper



Screw shaft diameter ø5-ø8