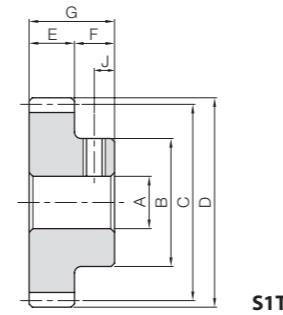
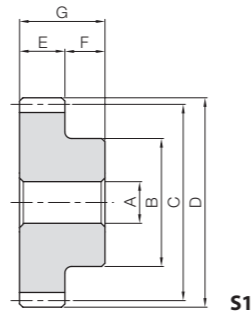




| Specifications | |
|-------------------|-----------------------------------|
| Precision grade | JIS grade N8 (JIS B1702-1: 1998)* |
| Gear teeth | Standard full depth |
| Pressure angle | 20° |
| Material | S45C |
| Heat treatment | — |
| Tooth hardness | (less than 194HB) |
| Surface treatment | Black oxide coating |

* The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.

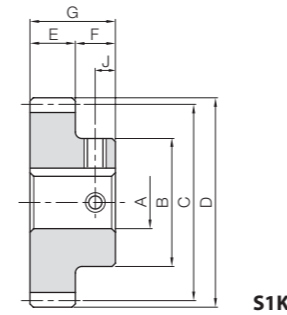
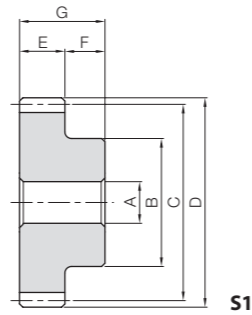


| Catalog Number | Module | No. of teeth | Shape | Bore | Hub dia. | Pitch dia. | Outside dia. | Face width | Hub width | Total length | Keyway |
|----------------|--------|--------------|-------|-----------------|----------|------------|--------------|------------|-----------|--------------|---------------|
| | | | | A _{H7} | B | C | D | E | F | G | Width × Depth |
| SSY0.8-20 | m0.8 | 20 | S1 | 5 | 13.5 | 16 | 17.6 | 4 | 8 | 12 | — |
| SSY0.8-25 | | 25 | S1 | 5 | 17 | 20 | 21.6 | | | | |
| SSY0.8-30 | | 30 | S1 | 5 | 20 | 24 | 25.6 | | | | |
| SSY0.8-40 | | 40 | S1 | 5 | 25 | 32 | 33.6 | | | | |
| SSY0.8-40A | | 40 | S1T | 6 | 25 | 32 | 33.6 | | | | |
| SSY0.8-50 | | 50 | S1 | 5 | 25 | 40 | 41.6 | | | | |
| SSY0.8-50A | 50 | S1T | 6 | 25 | 40 | 41.6 | | | | | |
| SSY1-12 | m1 | 12 | S1 | 5 | 9 | 12 | 14 | 6 | 8 | 14 | — |
| SSY1-12A | | 12 | S1T | 5 | 9 | 12 | 14 | | | | |
| SSY1-14 | | 14 | S1 | 5 | 11 | 14 | 16 | | | | |
| SSY1-14A | | 14 | S1T | 5 | 11 | 14 | 16 | | | | |
| SSY1-15 | | 15 | S1 | 6 | 12 | 15 | 17 | | | | |
| SSY1-15A | | 15 | S1T | 6 | 12 | 15 | 17 | | | | |
| SSY1-16 | | 16 | S1 | 6 | 13 | 16 | 18 | | | | |
| SSY1-16A | | 16 | S1T | 6 | 13 | 16 | 18 | | | | |
| SSY1-18 | | 18 | S1 | 6 | 14 | 18 | 20 | | | | |
| SSY1-18A | | 18 | S1T | 6 | 14 | 18 | 20 | | | | |
| SSY1-20 | | 20 | S1 | 6 | 16 | 20 | 22 | | | | |
| SSY1-20A | | 20 | S1T | 6 | 16 | 20 | 22 | | | | |
| SSY1-20B | | 20 | S1T | 8 | 16 | 20 | 22 | | | | |
| SSY1-24 | | 24 | S1 | 6 | 16 | 24 | 26 | | | | |
| SSY1-24A | | 24 | S1T | 6 | 16 | 24 | 26 | | | | |
| SSY1-25 | | 25 | S1 | 6 | 16 | 25 | 27 | | | | |
| SSY1-28 | | 28 | S1 | 6 | 16 | 28 | 30 | | | | |
| SSY1-28A | | 28 | S1T | 6 | 16 | 28 | 30 | | | | |
| SSY1-30 | 30 | S1 | 6 | 25 | 30 | 32 | | | | | |
| SSY1-30A | 30 | S1T | 6 | 25 | 30 | 32 | | | | | |
| SSY1-30B | 30 | S1T | 8 | 25 | 30 | 32 | | | | | |
| SSY1-32 | 32 | S1 | 6 | 25 | 32 | 34 | | | | | |
| SSY1-35 | 35 | S1 | 6 | 25 | 35 | 37 | | | | | |
| SSY1-35A | 35 | S1T | 8 | 25 | 35 | 37 | | | | | |
| SSY1-36 | 36 | S1 | 6 | 25 | 36 | 38 | | | | | |
| SSY1-40 | 40 | S1 | 8 | 28 | 40 | 42 | | | | | |
| SSY1-40A | 40 | S1T | 8 | 28 | 40 | 42 | | | | | |
| SSY1-45 | 45 | S1 | 8 | 28 | 45 | 47 | | | | | |
| SSY1-48 | 48 | S1 | 8 | 28 | 48 | 50 | | | | | |
| SSY1-48A | 48 | S1T | 8 | 28 | 48 | 50 | | | | | |

| Socket head screw | Size | J | Allowable torque (N-m) | | Allowable torque (kgf-m) | | Backlash (mm) | Weight (kg) | Catalog Number |
|-------------------|------|---|------------------------|--------------------|--------------------------|--------------------|---------------|-------------|----------------|
| | | | Bending strength | Surface durability | Bending strength | Surface durability | | | |
| — | — | — | 1.47 | 0.085 | 0.15 | 0.0087 | 0~0.10 | 0.013 | SSY0.8-20 |
| — | — | — | 2.03 | 0.134 | 0.21 | 0.014 | | 0.022 | SSY0.8-25 |
| — | — | — | 2.60 | 0.197 | 0.27 | 0.020 | | 0.032 | SSY0.8-30 |
| — | — | — | 3.77 | 0.362 | 0.39 | 0.037 | | 0.054 | SSY0.8-40 |
| M4 | 4 | — | — | — | — | — | | 0.053 | SSY0.8-40A |
| M4 | 4 | — | 4.98 | 0.580 | 0.51 | 0.059 | | 0.068 | SSY0.8-50 |
| — | — | — | — | — | — | — | 0.067 | SSY0.8-50A | |
| — | — | — | 1.22 | 0.069 | 0.12 | 0.0070 | 0.0072 | SSY1-12 | |
| M4 | 4 | — | — | — | — | — | 0.0070 | SSY1-12A | |
| — | — | — | 1.98 | 0.096 | 0.20 | 0.010 | 0.011 | SSY1-14 | |
| M4 | 4 | — | — | — | — | — | 0.011 | SSY1-14A | |
| — | — | — | 2.22 | 0.11 | 0.23 | 0.011 | 0.012 | SSY1-15 | |
| M4 | 4 | — | — | — | — | — | 0.012 | SSY1-15A | |
| — | — | — | 2.46 | 0.13 | 0.25 | 0.013 | 0.015 | SSY1-16 | |
| M4 | 4 | — | — | — | — | — | 0.014 | SSY1-16A | |
| — | — | — | 2.95 | 0.16 | 0.30 | 0.017 | 0.019 | SSY1-18 | |
| M4 | 4 | — | — | — | — | — | 0.018 | SSY1-18A | |
| — | — | — | 3.45 | 0.20 | 0.35 | 0.021 | 0.024 | SSY1-20 | |
| M4 | 4 | — | — | — | — | — | 0.024 | SSY1-20A | |
| M5 | 4 | — | — | — | — | — | 0.021 | SSY1-20B | |
| — | — | — | 4.48 | 0.30 | 0.46 | 0.030 | 0.031 | SSY1-24 | |
| M4 | 4 | — | — | — | — | — | 0.030 | SSY1-24A | |
| — | — | — | 4.74 | 0.32 | 0.48 | 0.033 | 0.033 | SSY1-25 | |
| — | — | — | 5.55 | 0.41 | 0.57 | 0.042 | 0.039 | SSY1-28 | |
| M4 | 4 | — | — | — | — | — | 0.038 | SSY1-28A | |
| — | — | — | 6.08 | 0.47 | 0.62 | 0.048 | 0.061 | SSY1-30 | |
| M4 | 4 | — | — | — | — | — | 0.060 | SSY1-30A | |
| M5 | 4 | — | — | — | — | — | 0.057 | SSY1-30B | |
| — | — | — | 6.63 | 0.54 | 0.68 | 0.055 | 0.066 | SSY1-32 | |
| — | — | — | 7.45 | 0.66 | 0.76 | 0.067 | 0.073 | SSY1-35 | |
| M5 | 4 | — | — | — | — | — | 0.069 | SSY1-35A | |
| — | — | — | 7.73 | 0.70 | 0.79 | 0.071 | 0.076 | SSY1-36 | |
| — | — | — | 8.84 | 0.87 | 0.90 | 0.089 | 0.092 | SSY1-40 | |
| M5 | 4 | — | — | — | — | — | 0.091 | SSY1-40A | |
| — | — | — | 10.3 | 1.12 | 1.05 | 0.11 | 0.11 | SSY1-45 | |
| — | — | — | 11.1 | 1.28 | 1.13 | 0.13 | 0.12 | SSY1-48 | |
| M5 | 4 | — | — | — | — | — | 0.12 | SSY1-48A | |



| Specifications | |
|-------------------|----------------------------------|
| Precision grade | JIS grade N8 (JIS B1702-1: 1998) |
| Gear teeth | Standard full depth |
| Pressure angle | 20° |
| Material | S45C |
| Heat treatment | — |
| Tooth hardness | (less than 194HB) |
| Surface treatment | Black oxide coating |



| Catalog Number | Module | No. of teeth | Shape | Bore | | | | Face width | Hub width | Total length | Keyway |
|----------------|--------|--------------|-------|-----------------|----|-----|-----|------------|-----------|--------------|---------|
| | | | | A _{H7} | B | C | D | | | | |
| SSY1-50 | m1 | 50 | S1 | 8 | 28 | 50 | 52 | 6 | 8 | 14 | — |
| SSY1-55 | | 55 | S1 | 8 | 28 | 55 | 57 | | | | — |
| SSY1-56 | | 56 | S1 | 8 | 28 | 56 | 58 | | | | — |
| SSY1-60 | | 60 | S1 | 8 | 35 | 60 | 62 | | | | — |
| SSY1-60A | | 60 | S1K | 10 | 35 | 60 | 62 | | | | 4 x 1.8 |
| SSY1-64 | | 64 | S1 | 8 | 35 | 64 | 66 | | | | — |
| SSY1-65 | | 65 | S1 | 8 | 35 | 65 | 67 | — | | | |
| SSY1-70 | | 70 | S1 | 8 | 35 | 70 | 72 | — | | | |
| SSY1-72 | | 72 | S1 | 8 | 35 | 72 | 74 | — | | | |
| SSY1-75 | | 75 | S1 | 8 | 35 | 75 | 77 | — | | | |
| SSY1-80 | | 80 | S1 | 10 | 40 | 80 | 82 | — | | | |
| SSY1-85 | | 85 | S1 | 10 | 40 | 85 | 87 | — | | | |
| SSY1-90 | | 90 | S1 | 10 | 40 | 90 | 92 | — | | | |
| SSY1-95 | | 95 | S1 | 10 | 40 | 95 | 97 | — | | | |
| SSY1-96 | | 96 | S1 | 10 | 40 | 96 | 98 | — | | | |
| SSY1-100 | | 100 | S1 | 10 | 50 | 100 | 102 | — | | | |
| SSY1-110 | | 110 | S1 | 10 | 50 | 110 | 112 | — | | | |
| SSY1-120 | | 120 | 120 | S1 | 10 | 50 | 120 | 122 | — | | |
| SSY1-120A | | | | S1K | 12 | 35 | 120 | 122 | 4 x 1.8 | | |

| Socket head screw | Allowable torque (N-m) | Allowable torque (kgf-m) | | Backlash (mm) | Weight (kg) | Catalog Number |
|-------------------|------------------------|--------------------------|--------------------|---------------|-------------|----------------|
| | | Bending strength | Surface durability | | | |
| — | 11.7 | 1.39 | 1.19 | 0.08~0.18 | 0.13 | SSY1-50 |
| — | 13.1 | 1.70 | 1.34 | | 0.15 | SSY1-55 |
| — | 13.4 | 1.77 | 1.37 | | 0.15 | SSY1-56 |
| M4 | 14.5 | 2.04 | 1.48 | | 0.19 | SSY1-60 |
| — | 15.7 | 2.34 | 1.60 | | 0.18 | SSY1-60A |
| — | 16.0 | 2.41 | 1.63 | | 0.21 | SSY1-64 |
| — | 17.4 | 2.82 | 1.78 | | 0.21 | SSY1-65 |
| — | 17.4 | 2.82 | 1.78 | | 0.24 | SSY1-70 |
| — | 18.0 | 2.99 | 1.84 | | 0.24 | SSY1-72 |
| — | 18.9 | 3.26 | 1.93 | | 0.25 | SSY1-75 |
| — | 20.3 | 3.74 | 2.07 | | 0.26 | SSY1-80 |
| — | 21.8 | 4.25 | 2.22 | | 0.31 | SSY1-85 |
| — | 23.3 | 4.79 | 2.37 | | 0.34 | SSY1-90 |
| — | 24.7 | 5.37 | 2.52 | | 0.37 | SSY1-95 |
| — | 25.0 | 5.49 | 2.55 | | 0.40 | SSY1-96 |
| — | 26.2 | 5.98 | 2.67 | | 0.41 | SSY1-100 |
| — | 29.1 | 7.31 | 2.97 | | 0.48 | SSY1-110 |
| — | 32.1 | 8.80 | 3.27 | | 0.56 | SSY1-120 |
| M4 | 4 | — | — | | 0.58 | SSY1-120A |

Spur Gears
Helical Gears
Internal Gears
Racks
CP Racks & Pinions
Miter Gears
Bevel Gears
Screw Gears
Worm Gears
Gearboxes
Other Products

Spur Gears
Helical Gears
Internal Gears
Racks
CP Racks & Pinions
Miter Gears
Bevel Gears
Screw Gears
Worm Gears
Gearboxes
Other Products