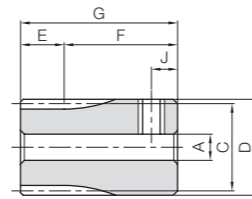


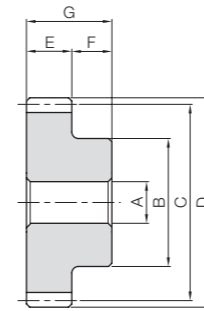


| Specifications  |                                   |
|-----------------|-----------------------------------|
| Precision grade | JIS grade N8 (JIS B1702-1: 1998)* |
| Gear teeth      | Standard full depth               |
| Pressure angle  | 20°                               |
| Material        | Free cutting brass (C3604)        |
| Heat Treatment  | —                                 |
| Tooth hardness  | (80HV or more)                    |

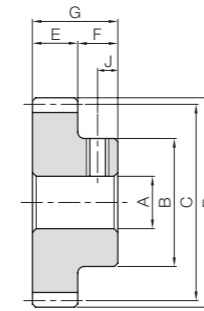
\* The precision grade of products with a module of less than 0.8 is equivalent to the value shown in the table.



S3T



S1



S1T

| Catalog Number | Module | No. of teeth | Shape | Bore            |      |     |      | Hub dia. | Pitch dia. | Outside dia. | Face width | Hub width | Total length | Socket head screw |    |
|----------------|--------|--------------|-------|-----------------|------|-----|------|----------|------------|--------------|------------|-----------|--------------|-------------------|----|
|                |        |              |       | A <sub>H7</sub> | B    | C   | D    |          |            |              |            |           |              | E                 | F  |
| BSS0.5-15A     | m0.5   | 15           | S3T   | 3               | 8.5  | 7.5 | 8.5  | 3        | 11         | 14           | M3         | 2.5       | —            | —                 |    |
| BSS0.5-16A     |        | 9            |       |                 | 8    | 9   |      |          |            |              |            |           |              |                   |    |
| BSS0.5-20      |        | S1           | 20    | 4               | 8.5  | 10  | 11   | 7        | 10         | —            | —          |           |              |                   |    |
| BSS0.5-20A     |        |              |       |                 | S3T  | 3   | 11   |          |            |              |            | 11        | 12           | 11                | 14 |
| BSS0.5-22A     |        | S1T          | 22    | 3               |      |     | 9    | 11       | 12         | —            | —          |           |              |                   |    |
| BSS0.5-24B     |        |              |       |                 | S1   | 24  | 4    | 10       | 12         |              |            | 13        | M3           | 3.5               |    |
| BSS0.5-25      |        | S1           | 25    | 4               |      |     |      | 11       | 12.5       | 13.5         | —          | —         |              |                   |    |
| BSS0.5-30      |        |              |       |                 | S1   | 30  | 4    | 13       | 15         | 16           |            |           | 7            | 10                | M3 |
| BSS0.5-30A     |        | S1T          | 3     | 12              |      |     |      | 3.5      |            |              |            |           |              |                   |    |
| BSS0.5-30B     |        |              |       | S1T             | 4    | 12  | 3.5  |          |            |              |            |           |              |                   |    |
| BSS0.5-30C     |        | S1T          | 5     |                 |      | 12  |      | 3.5      |            |              |            |           |              |                   |    |
| BSS0.5-38A     |        |              |       | S1T             | 38   | 4   | 16   |          | 19         | 20           | M3         | 3.5       |              |                   |    |
| BSS0.5-40      |        | S1           | 40    |                 |      |     | 4    | 17       | 20         | 21           |            |           | —            | —                 |    |
| BSS0.5-50A     |        |              |       | S1T             | 50   | 4   |      | 22       | 25         | 26           | M3         | 3.5       |              |                   |    |
| BSS0.8-20      |        | m0.8         | 20    |                 |      |     | S1   | 5        | 13.5       | 16           |            |           | 17.6         | 4                 | 8  |
| BSS0.8-24B     |        |              | 16    | 19.2            | 20.8 |     |      |          |            |              |            |           |              |                   |    |
| BSS0.8-25      | 17     |              | 20    | 21.6            |      |     |      |          |            |              |            |           |              |                   |    |
| BSS0.8-30      | S1     |              | 30    | 5               | 20   | 24  | 25.6 | —        | —          |              |            |           |              |                   |    |
| BSS0.8-30A     |        |              |       |                 |      |     |      |          |            | S1T          | 4          | M3        | 4            |                   |    |
| BSS0.8-40      | S1     |              | 40    | 5               | 20   | 32  | 33.6 | —        | —          |              |            |           |              |                   |    |
| BSS1-16B       | m1     | 16           | S1T   | 6               | 15   | 18  | 20   | 6        | 8          | 14           | M4         | 4         |              |                   |    |
| BSS1-18B       |        | 18           |       |                 | 20   | 22  |      |          |            |              |            |           |              |                   |    |
| BSS1-20C       |        | 20           |       |                 | 25   | 30  | 32   |          |            |              |            |           |              |                   |    |
| BSS1-30B       |        | S1T          | 30    | 6               | 25   | 30  | 32   | M4       | 4          |              |            |           |              |                   |    |
| BSS1-40A       |        | S1T          | 40    | 6               | 28   | 40  | 42   |          |            |              |            |           |              |                   |    |

| Allowable torque (N-m) | Allowable torque (kgf-m) | Backlash (mm) | Weight (kg) | Catalog Number |
|------------------------|--------------------------|---------------|-------------|----------------|
| 0.058                  | 0.0059                   | 0~0.10        | 0.0054      | BSS0.5-15A     |
| 0.065                  | 0.0066                   |               | 0.0062      | BSS0.5-16A     |
| 0.091                  | 0.0093                   |               | 0.0043      | BSS0.5-20      |
| 0.10                   | 0.011                    |               | 0.0098      | BSS0.5-20A     |
| 0.12                   | 0.012                    |               | 0.0054      | BSS0.5-22A     |
| 0.12                   | 0.013                    |               | 0.0063      | BSS0.5-24B     |
| 0.16                   | 0.016                    |               | 0.0077      | BSS0.5-25      |
| 0.22                   | 0.022                    |               | 0.011       | BSS0.5-30      |
| 0.23                   | 0.024                    |               | 0.010       | BSS0.5-30A     |
| 0.31                   | 0.031                    |               | 0.0099      | BSS0.5-30B     |
| 0.31                   | 0.032                    |               | 0.0092      | BSS0.5-30C     |
| 0.40                   | 0.041                    |               | 0.018       | BSS0.5-38A     |
| 0.43                   | 0.043                    |               | 0.020       | BSS0.5-40      |
| 0.55                   | 0.056                    |               | 0.033       | BSS0.5-50A     |
| 0.79                   | 0.081                    |               | 0.014       | BSS0.8-20      |
| 0.52                   | 0.053                    |               | 0.021       | BSS0.8-24B     |
| 0.62                   | 0.063                    | 0.024         | BSS0.8-25   |                |
| 0.73                   | 0.074                    | 0.034         | BSS0.8-30   |                |
| 1.28                   | 0.13                     | 0.035         | BSS0.8-30A  |                |
| 1.86                   | 0.19                     | 0.046         | BSS0.8-40   |                |
|                        |                          | 0.08~0.18     | 0.015       | BSS1-16B       |
|                        |                          |               | 0.021       | BSS1-18B       |
|                        |                          |               | 0.026       | BSS1-20C       |
|                        |                          |               | 0.065       | BSS1-30B       |
|                        |                          |               | 0.10        | BSS1-40A       |

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