

| | | |
|------|---|--|
| 共通规格 | JIS N8 级 (JIS B 1702-1: 1998) * 旧 JIS 4 级 (JIS B 1702: 1976) | |
| 精度等级 | — | |
| 齿形 | 全齿高齿 | |
| 压力角 | 20° | |
| 材料 | S45C | |
| 热处理 | — | |
| 齿面硬度 | (194HB 以下) | |

*模数 0.8 以下的产品规格与表示精度等级同等。



正齿轮

斜齿齿轮

内齿轮

齿条

& C/P 小齿条

等径锥齿轮

锥齿轮

交错斜齿条

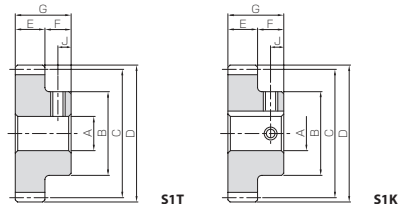
蜗杆蜗轮

齿轮箱

其他产品

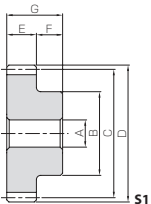
| 产品型号 | 模数 | 齿数 | 形状 | 孔径 | | 分度圆直径 | 齿顶圆直径 | 齿宽 | 轮毂长 | 全长 | 键槽 宽 × 深 |
|---|------|-----|-----|-----------------|------|-------|-------|----|-----|---------|-------------|
| | | | | A _{H7} | B | | | | | | |
| SSY0.8-20 SSY0.8-20A SSY0.8-25 SSY0.8-25A SSY0.8-30 SSY0.8-30A SSY0.8-40 SSY0.8-40A SSY0.8-50 SSY0.8-50A | m0.8 | 20 | S1 | 5 | 13.5 | 16 | 17.6 | 4 | 8 | 12 | — |
| | | | S1T | 5 | 13.5 | 16 | 17.6 | 4 | 8 | 12 | — |
| | | 25 | S1 | 5 | 17 | 20 | 21.6 | 4 | 8 | 12 | — |
| | | | S1T | 5 | 17 | 20 | 21.6 | 4 | 8 | 12 | — |
| | | 30 | S1 | 5 | 20 | 24 | 25.6 | 4 | 8 | 12 | — |
| S1T | 5 | 20 | 24 | 25.6 | 4 | 8 | 12 | — | | | |
| 40 | S1 | 5 | 25 | 32 | 33.6 | 4 | 8 | 12 | — | | |
| | S1T | 5 | 25 | 32 | 33.6 | 4 | 8 | 12 | — | | |
| 50 | S1 | 5 | 25 | 40 | 41.6 | 4 | 8 | 12 | — | | |
| | S1T | 5 | 25 | 40 | 41.6 | 4 | 8 | 12 | — | | |
| SSY1-12 SSY1-12A | 12 | S1 | 5 | 9 | 12 | 14 | 6 | 8 | 14 | — | |
| | | S1T | 5 | 9 | 12 | 14 | 6 | 8 | 14 | — | |
| SSY1-14 SSY1-14A | 14 | S1 | 5 | 11 | 14 | 16 | 6 | 8 | 14 | — | |
| | | S1T | 5 | 11 | 14 | 16 | 6 | 8 | 14 | — | |
| SSY1-15 SSY1-15A | 15 | S1 | 6 | 12 | 15 | 17 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 12 | 15 | 17 | 6 | 8 | 14 | — | |
| SSY1-16 SSY1-16A | 16 | S1 | 6 | 13 | 16 | 18 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 13 | 16 | 18 | 6 | 8 | 14 | — | |
| SSY1-18 SSY1-18A | 18 | S1 | 6 | 14 | 18 | 20 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 14 | 18 | 20 | 6 | 8 | 14 | — | |
| SSY1-20 SSY1-20A SSY1-20B | 20 | S1 | 6 | 16 | 20 | 22 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 16 | 20 | 22 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 16 | 20 | 22 | 6 | 8 | 14 | — | |
| SSY1-24 SSY1-24A SSY1-24B | 24 | S1 | 6 | 16 | 24 | 26 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 16 | 24 | 26 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 16 | 24 | 26 | 6 | 8 | 14 | — | |
| SSY1-25 SSY1-25A | 25 | S1 | 6 | 16 | 25 | 27 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 16 | 25 | 27 | 6 | 8 | 14 | — | |
| SSY1-28 SSY1-28A | 28 | S1 | 6 | 16 | 28 | 30 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 16 | 28 | 30 | 6 | 8 | 14 | — | |
| SSY1-30 SSY1-30A SSY1-30B | 30 | S1 | 6 | 25 | 30 | 32 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 25 | 30 | 32 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 25 | 30 | 32 | 6 | 8 | 14 | — | |
| SSY1-32 SSY1-32A | 32 | S1 | 6 | 25 | 32 | 34 | 6 | 8 | 14 | — | |
| | | S1T | 6 | 25 | 32 | 34 | 6 | 8 | 14 | — | |
| SSY1-35 SSY1-35A SSY1-35B | 35 | S1 | 6 | 25 | 35 | 37 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 25 | 35 | 37 | 6 | 8 | 14 | — | |
| | | S1K | 10 | 25 | 35 | 37 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-36 SSY1-36A SSY1-36B | 36 | S1 | 6 | 25 | 36 | 38 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 25 | 36 | 38 | 6 | 8 | 14 | — | |
| | | S1K | 10 | 25 | 36 | 38 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-40 SSY1-40A SSY1-40B | 40 | S1 | 8 | 28 | 40 | 42 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 28 | 40 | 42 | 6 | 8 | 14 | — | |
| | | S1K | 10 | 28 | 40 | 42 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-45 SSY1-45A | 45 | S1 | 8 | 28 | 45 | 47 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 28 | 45 | 47 | 6 | 8 | 14 | — | |
| SSY1-48 SSY1-48A | 48 | S1 | 8 | 28 | 48 | 50 | 6 | 8 | 14 | — | |
| | | S1T | 8 | 28 | 48 | 50 | 6 | 8 | 14 | — | |

(产品特性注意事项) ①键槽加工采用了 JIS B 1301 的普通级 (Js9)。经攻丝加工的产品配有螺钉附件。
②容许转矩数值是在任意使用条件下计算的参考值。详细内容请参考第 31 页。
③侧隙是同型号齿轮在理论值下组装配套时的法线方向侧隙。



| 尺寸 | 螺孔 J | 容许转矩 (N · m) | | 容许转矩 (kgf · m) | | 侧隙 (mm) | 质量 (kg) | 产品型号 |
|----------|---------|--------------|-------|----------------|--------|------------|------------|---------------------------------|
| | | 弯曲强度 | 齿面强度 | 弯曲强度 | 齿面强度 | | | |
| — | — | 1.47 | 0.085 | 0.15 | 0.0087 | 0 ~ 0.10 | 0.013 | SSY0.8-20 SSY0.8-20A |
| M4 | 4 | 2.03 | 0.134 | 0.21 | 0.014 | 0 ~ 0.10 | 0.022 | SSY0.8-25 SSY0.8-25A |
| — | — | 2.60 | 0.197 | 0.27 | 0.020 | 0 ~ 0.10 | 0.032 | SSY0.8-30 SSY0.8-30A |
| M4 | 4 | 3.77 | 0.362 | 0.39 | 0.037 | 0 ~ 0.10 | 0.054 | SSY0.8-40 SSY0.8-40A |
| — | — | 4.98 | 0.580 | 0.51 | 0.059 | 0 ~ 0.10 | 0.068 | SSY0.8-50 SSY0.8-50A |
| M4 | 4 | 1.22 | 0.069 | 0.12 | 0.0070 | 0.08~0.18 | 0.0072 | SSY1-12 SSY1-12A |
| — | — | 1.98 | 0.096 | 0.20 | 0.010 | 0.08~0.18 | 0.011 | SSY1-14 SSY1-14A |
| M4 | 4 | 2.22 | 0.11 | 0.23 | 0.011 | 0.08~0.18 | 0.012 | SSY1-15 SSY1-15A |
| — | — | 2.46 | 0.13 | 0.25 | 0.013 | 0.08~0.18 | 0.015 | SSY1-16 SSY1-16A |
| M4 | 4 | 2.95 | 0.16 | 0.30 | 0.017 | 0.08~0.18 | 0.019 | SSY1-18 SSY1-18A |
| — | — | 3.45 | 0.20 | 0.35 | 0.021 | 0.08~0.18 | 0.024 | SSY1-20 SSY1-20A SSY1-20B |
| M4 M5 | 4 4 | 4.48 | 0.30 | 0.46 | 0.030 | 0.08~0.18 | 0.030 | SSY1-24 SSY1-24A SSY1-24B |
| — | — | 4.74 | 0.32 | 0.48 | 0.033 | 0.08~0.18 | 0.033 | SSY1-25 SSY1-25A |
| M4 | 4 | 5.55 | 0.41 | 0.57 | 0.042 | 0.08~0.18 | 0.039 | SSY1-28 SSY1-28A |
| — | — | 6.08 | 0.47 | 0.62 | 0.048 | 0.08~0.18 | 0.061 | SSY1-30 SSY1-30A SSY1-30B |
| M4 M5 | 4 4 | 6.63 | 0.54 | 0.68 | 0.055 | 0.08~0.18 | 0.066 | SSY1-32 SSY1-32A |
| — | — | 7.45 | 0.66 | 0.76 | 0.067 | 0.08~0.18 | 0.073 | SSY1-35 SSY1-35A SSY1-35B |
| M5 M4 | 4 4 | 7.73 | 0.70 | 0.79 | 0.071 | 0.08~0.18 | 0.076 | SSY1-36 SSY1-36A SSY1-36B |
| — | — | 8.84 | 0.87 | 0.90 | 0.089 | 0.08~0.18 | 0.092 | SSY1-40 SSY1-40A SSY1-40B |
| M5 | 4 | 10.3 | 1.12 | 1.05 | 0.11 | 0.08~0.18 | 0.11 | SSY1-45 SSY1-45A |
| — | — | 11.1 | 1.28 | 1.13 | 0.13 | 0.08~0.18 | 0.12 | SSY1-48 SSY1-48A |

(追加加工注意事项) ①对产品做追加加工前, 请首先阅读第 32 页的「追加加工注意事项」, 注意安全。本公司的「齿轮工房」承接追加加工业务。
②因为齿轮的齿宽很薄, 所以需要追加加工使用时, 请注意齿轮的变形。特别是热处理后, 齿轮可能产生扭曲。
③请避免对齿轮的齿宽做消减加工。齿宽减小将对齿轮的精度及强度产生影响。



| 共通规格 | |
|------|---|
| 精度等级 | JIS N8 级 (JIS B 1702-1:1998) 旧 JIS 4 级 (JIS B 1702:1978) |
| 齿形 | 全齿高齿 |
| 压力角 | 20° |
| 材料 | S45C |
| 热处理 | — |
| 齿面硬度 | (194HB 以下) |



正齿轮

斜齿齿轮

内齿轮

齿条

& C/P 小齿条

等径锥齿轮

锥齿轮

交错斜齿轮

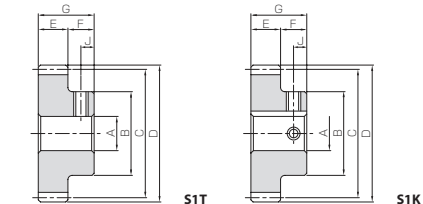
蜗杆蜗轮

齿轮箱

其他产品

| 产品型号 | 模数 | 齿数 | 形状 | 孔径 | | 分度圆直径 | 齿顶圆直径 | 齿宽 | 轮毂长 | 全长 | 键槽 宽 × 深 |
|---------------------------------|-----|----|----|-----------------|-----|-------|-------|----|---------|---------|-------------|
| | | | | A _{H7} | B | | | | | | |
| SSY1-50 SSY1-50A | m1 | 50 | S1 | 8 | 28 | 50 | 52 | 6 | 8 | 14 | — |
| S1T | | | 8 | 28 | 50 | 52 | 6 | 8 | 14 | — | |
| SSY1-55 SSY1-55A | | 55 | S1 | 8 | 28 | 55 | 57 | 6 | 8 | 14 | — |
| S1K | | | 10 | 28 | 55 | 57 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-56 SSY1-56A | | 56 | S1 | 8 | 28 | 56 | 58 | 6 | 8 | 14 | — |
| S1K | | | 10 | 28 | 56 | 58 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-60 SSY1-60A SSY1-60B | | 60 | S1 | 8 | 35 | 60 | 62 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 60 | 62 | 6 | 8 | 14 | 4 x 1.8 | |
| S1K | | | 12 | 35 | 60 | 62 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-64 SSY1-64A | | 64 | S1 | 8 | 35 | 64 | 66 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 64 | 66 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-65 SSY1-65A | | 65 | S1 | 8 | 35 | 65 | 67 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 65 | 67 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-70 SSY1-70A | | 70 | S1 | 8 | 35 | 70 | 72 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 70 | 72 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-72 SSY1-72A | | 72 | S1 | 8 | 35 | 72 | 74 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 72 | 74 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-75 SSY1-75A | | 75 | S1 | 8 | 35 | 75 | 77 | 6 | 8 | 14 | — |
| S1K | | | 10 | 35 | 75 | 77 | 6 | 8 | 14 | 4 x 1.8 | |
| SSY1-80 SSY1-80A | | 80 | S1 | 10 | 40 | 80 | 82 | 6 | 8 | 14 | — |
| S1K | 12 | | 35 | 80 | 82 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-85 SSY1-85A | 85 | S1 | 10 | 40 | 85 | 87 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 85 | 87 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-90 SSY1-90A | 90 | S1 | 10 | 40 | 90 | 92 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 90 | 92 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-95 SSY1-95A | 95 | S1 | 10 | 40 | 95 | 97 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 95 | 97 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-96 SSY1-96A | 96 | S1 | 10 | 40 | 96 | 98 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 96 | 98 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-100 SSY1-100A | 100 | S1 | 10 | 50 | 100 | 102 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 100 | 102 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-110 SSY1-110A | 110 | S1 | 10 | 50 | 110 | 112 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 110 | 112 | 6 | 8 | 14 | 4 x 1.8 | | |
| SSY1-120 SSY1-120A | 120 | S1 | 10 | 50 | 120 | 122 | 6 | 8 | 14 | — | |
| S1K | | 12 | 35 | 120 | 122 | 6 | 8 | 14 | 4 x 1.8 | | |

(产品特性注意事项) ①键槽加工采用了 JIS B 1301 的普通级 (Js9)。经攻丝加工的产品配有螺钉附件。
②容许转矩数值是在任意使用条件下计算的参考值。详细内容请参考第 31 页。
③侧隙是同型号齿轮在理论值下组装配套时的法线方向侧隙。



| 螺孔 尺寸 | J | 容许转矩 (N·m) | | 容许转矩 (kgf·m) | | 侧隙 (mm) | 质量 (kg) | 产品型号 |
|----------|---|------------|------|--------------|------|------------|------------|-----------|
| | | 弯曲强度 | 齿面强度 | 弯曲强度 | 齿面强度 | | | |
| — | — | 11.7 | 1.39 | 1.19 | 0.14 | 0.08~0.18 | 0.13 | SSY1-50 |
| M5 | 4 | 11.7 | 1.39 | 1.19 | 0.14 | 0.08~0.18 | 0.12 | SSY1-50A |
| — | — | 13.1 | 1.70 | 1.34 | 0.17 | 0.08~0.18 | 0.15 | SSY1-55 |
| M4 | 4 | 13.1 | 1.70 | 1.34 | 0.17 | 0.08~0.18 | 0.14 | SSY1-55A |
| — | — | 13.4 | 1.77 | 1.37 | 0.18 | 0.08~0.18 | 0.15 | SSY1-56 |
| M4 | 4 | 13.4 | 1.77 | 1.37 | 0.18 | 0.08~0.18 | 0.14 | SSY1-56A |
| — | — | 14.5 | 2.04 | 1.48 | 0.21 | 0.08~0.18 | 0.19 | SSY1-60 |
| M4 | 4 | 14.5 | 2.04 | 1.48 | 0.21 | 0.08~0.18 | 0.18 | SSY1-60A |
| — | — | 15.7 | 2.34 | 1.60 | 0.24 | 0.08~0.18 | 0.21 | SSY1-64 |
| M4 | 4 | 15.7 | 2.34 | 1.60 | 0.24 | 0.08~0.18 | 0.20 | SSY1-64A |
| — | — | 16.0 | 2.41 | 1.63 | 0.25 | 0.08~0.18 | 0.21 | SSY1-65 |
| M4 | 4 | 16.0 | 2.41 | 1.63 | 0.25 | 0.08~0.18 | 0.21 | SSY1-65A |
| — | — | 17.4 | 2.82 | 1.78 | 0.29 | 0.08~0.18 | 0.24 | SSY1-70 |
| M4 | 4 | 17.4 | 2.82 | 1.78 | 0.29 | 0.08~0.18 | 0.23 | SSY1-70A |
| — | — | 18.0 | 2.99 | 1.84 | 0.30 | 0.08~0.18 | 0.25 | SSY1-72 |
| M4 | 4 | 18.0 | 2.99 | 1.84 | 0.30 | 0.08~0.18 | 0.24 | SSY1-72A |
| — | — | 18.9 | 3.26 | 1.93 | 0.33 | 0.08~0.18 | 0.26 | SSY1-75 |
| M4 | 4 | 18.9 | 3.26 | 1.93 | 0.33 | 0.08~0.18 | 0.26 | SSY1-75A |
| — | — | 20.3 | 3.74 | 2.07 | 0.38 | 0.08~0.18 | 0.31 | SSY1-80 |
| M4 | 4 | 20.3 | 3.74 | 2.07 | 0.38 | 0.08~0.18 | 0.28 | SSY1-80A |
| — | — | 21.8 | 4.25 | 2.22 | 0.43 | 0.08~0.18 | 0.34 | SSY1-85 |
| M4 | 4 | 21.8 | 4.25 | 2.22 | 0.43 | 0.08~0.18 | 0.31 | SSY1-85A |
| — | — | 23.3 | 4.79 | 2.37 | 0.49 | 0.08~0.18 | 0.37 | SSY1-90 |
| M4 | 4 | 23.3 | 4.79 | 2.37 | 0.49 | 0.08~0.18 | 0.35 | SSY1-90A |
| — | — | 24.7 | 5.37 | 2.52 | 0.55 | 0.08~0.18 | 0.40 | SSY1-95 |
| M4 | 4 | 24.7 | 5.37 | 2.52 | 0.55 | 0.08~0.18 | 0.38 | SSY1-95A |
| — | — | 25.0 | 5.49 | 2.55 | 0.56 | 0.08~0.18 | 0.41 | SSY1-96 |
| M4 | 4 | 25.0 | 5.49 | 2.55 | 0.56 | 0.08~0.18 | 0.39 | SSY1-96A |
| — | — | 26.2 | 5.98 | 2.67 | 0.61 | 0.08~0.18 | 0.48 | SSY1-100 |
| M4 | 4 | 26.2 | 5.98 | 2.67 | 0.61 | 0.08~0.18 | 0.42 | SSY1-100A |
| — | — | 29.1 | 7.31 | 2.97 | 0.75 | 0.08~0.18 | 0.56 | SSY1-110 |
| M4 | 4 | 29.1 | 7.31 | 2.97 | 0.75 | 0.08~0.18 | 0.49 | SSY1-110A |
| — | — | 32.1 | 8.80 | 3.27 | 0.90 | 0.08~0.18 | 0.65 | SSY1-120 |
| M4 | 4 | 32.1 | 8.80 | 3.27 | 0.90 | 0.08~0.18 | 0.58 | SSY1-120A |

(追加加工注意事项) ①对产品做追加加工前,请首先阅读第 32 页的「追加加工注意事项」,注意安全。本公司的「齿轮工房」承接追加加工业务。
②因为齿轮的齿宽很薄,所以需要追加加工使用时,请注意齿轮的变形。特别是热处理后,齿轮可能产生扭曲。
③请避免对齿轮的齿宽做消减加工。齿宽减小将对齿轮的精度及强度产生影响。

※ 标准齿轮系列中没有的齿轮规格可以通过“一个起步”的订做方式承接。

详细内容请查看第 8 页的说明。