

SCT-C

開縫型 / 夾緊式 / 撓性聯軸器

SCTS-C

SLITTED / CLAMP TYPE / FLEXIBLE COUPLING



材質 | Material

SCT-C 系列-鋁合金 Aluminum alloy
SCTS-C 系列-不銹鋼 Stainless steel

型號表示 | Product NO

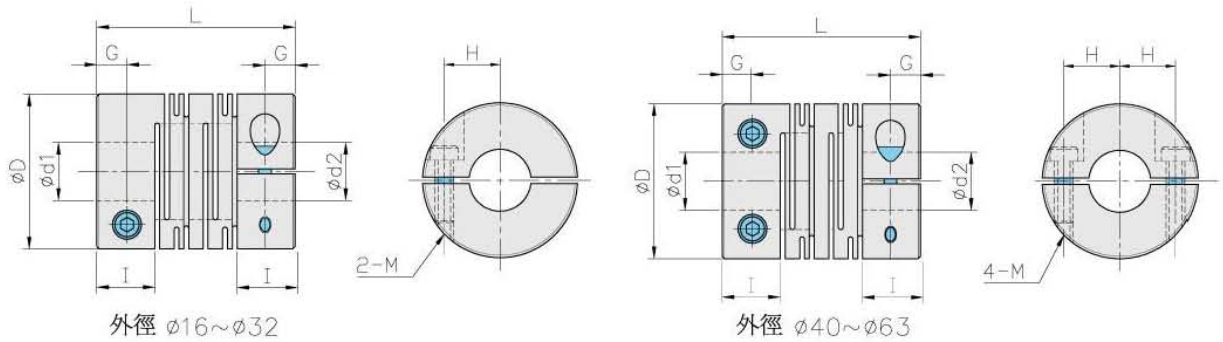
SCT-20C- $\phi 5 \times \phi 5$
型號/Type 孔徑/Inside dia

表面處理 | Surface Treatment

SCT-C 陽極處理 Anodizing standard white

特性 | Features

1. 一體成型
 2. 零背隙
 3. 剛性大
 4. 適合譯碼器、小馬力傳動機構、高精度傳動上
 5. 偏角誤差較佳
 6. 不銹鋼材質扭力較佳
 7. 固定方式：夾緊式
- One-body shape
 - Zero backlash
 - High rigid
 - Suitable for encoder、low horsepower transmission bodies and high precision transmission mechanism.
 - High deflection
 - Torque in SUS is better
 - Fixed mode : Clamp type



尺寸 | Dimension

單位 / Unit:mm

| Catalog Number 型號 | D | I | L | G | H | M | d1xd2 標準孔徑 (H7) | | Mass** 重量 (g) |
|----------------------|----|------|------|------|------|------|--------------------|-----|------------------|
| | | | | | | | Min | Max | |
| SCT-12C | 12 | 5.0 | 18.5 | 2.5 | 4.0 | M2 | 3 | 5 | 3.6 |
| SCT-16C | 16 | 6.5 | 23.0 | 3.25 | 5.0 | M2.5 | 4 | 6 | 9.2 |
| SCT-20C | 20 | 7.5 | 26.0 | 3.75 | 6.5 | M3 | 4 | 8 | 16.0 |
| SCT-25C | 25 | 8.5 | 31.0 | 4.25 | 9.0 | M3 | 5 | 10 | 28.0 |
| SCT-32C | 32 | 12.0 | 41.0 | 6.0 | 11.0 | M4 | 6 | 14 | 64.0 |
| SCT-40C | 40 | 15.0 | 56.0 | 8.5 | 14.0 | M5 | 8 | 16 | 140.0 |
| SCT-50C | 50 | 18.0 | 71.0 | 10.5 | 18.0 | M6 | 12 | 22 | 270.0 |
| SCT-63C | 63 | 22.0 | 90.0 | 13.0 | 24.0 | M8 | 14 | 35 | 530.0 |
| SCTS-12C | 12 | 5.0 | 18.5 | 2.5 | 4.0 | M2 | 3 | 5 | 10.0 |
| SCTS-16C | 16 | 6.5 | 23.0 | 3.25 | 5.0 | M2.5 | 4 | 6 | 25.0 |
| SCTS-20C | 20 | 7.5 | 26.0 | 3.75 | 6.5 | M3 | 5 | 8 | 43.0 |
| SCTS-25C | 25 | 8.5 | 31.0 | 4.25 | 9.0 | M3 | 6 | 10 | 78.0 |
| SCTS-32C | 32 | 12.0 | 41.0 | 6.0 | 11.0 | M4 | 8 | 14 | 170.0 |
| SCTS-40C | 40 | 15.0 | 56.0 | 8.5 | 14.0 | M5 | 8 | 16 | 370.0 |
| SCTS-50C | 50 | 18.0 | 71.0 | 10.5 | 18.0 | M6 | 12 | 22 | 750.0 |
| SCTS-63C | 63 | 22.0 | 90.0 | 13.0 | 24.0 | M8 | 14 | 35 | 1400.0 |

性能 | Specifications

單位 / Unit:mm

| Catalog Number 型號 | Rated Torque 一般扭力 (N.m) | Max. Torque 最大扭力 (N.m) | Max Rotational Frequency 最高回轉速 (Rpm/min) | Moment* of Inertia 慣性 (Kg · m ²) | Errors of Eccentricity 容許偏心 (mm) | Errors of Angularity 容許偏角 (°) | Errors of Shaft End-Play 容許軸向位差 (mm) |
|----------------------|-------------------------------|------------------------------|--|--|--|-------------------------------------|--|
| SCT-12C | 0.2 | 0.4 | 12000 | 7.8x10 ⁻⁸ | 0.10 | 2 | ± 0.3 |
| SCT-16C | 0.3 | 0.6 | 9500 | 3.4x10 ⁻⁷ | 0.10 | 2 | ± 0.4 |
| SCT-20C | 0.5 | 1.0 | 7600 | 9.1x10 ⁻⁷ | 0.10 | 2 | ± 0.4 |
| SCT-25C | 1.0 | 2.0 | 6100 | 2.6x10 ⁻⁶ | 0.15 | 2 | ± 0.5 |
| SCT-32C | 2.0 | 4.0 | 4800 | 9.7x10 ⁻⁶ | 0.15 | 2 | ± 0.5 |
| SCT-40C | 5.0 | 10.0 | 3800 | 3.3x10 ⁻⁵ | 0.20 | 2 | ± 0.5 |
| SCT-50C | 10.0 | 20.0 | 3100 | 1.0x10 ⁻⁴ | 0.20 | 2 | ± 0.5 |
| SCT-63C | 20.0 | 40.0 | 2400 | 3.2x10 ⁻⁴ | 0.20 | 2 | ± 0.5 |
| SCTS-12C | 0.3 | 0.6 | 12000 | 2.2x10 ⁻⁷ | 0.10 | 2 | ± 0.2 |
| SCTS-16C | 0.5 | 1.0 | 9500 | 9.0x10 ⁻⁷ | 0.10 | 2 | ± 0.3 |
| SCTS-20C | 1.0 | 2.0 | 7600 | 2.5x10 ⁻⁶ | 0.10 | 2 | ± 0.3 |
| SCTS-25C | 2.0 | 4.0 | 6100 | 7.1x10 ⁻⁶ | 0.15 | 2 | ± 0.4 |
| SCTS-32C | 3.5 | 7.0 | 4800 | 2.7x10 ⁻⁵ | 0.15 | 2 | ± 0.5 |
| SCTS-40C | 8.0 | 16.0 | 3800 | 9.0x10 ⁻⁵ | 0.20 | 2 | ± 0.5 |
| SCTS-50C | 15.0 | 30.0 | 3100 | 2.8x10 ⁻⁴ | 0.20 | 2 | ± 0.5 |
| SCTS-63C | 35.0 | 70.0 | 2400 | 8.8x10 ⁻⁴ | 0.20 | 2 | ± 0.5 |

SCT-C.SCTS-C 標準孔徑 | Stock Bores

單位 / Unit:mm

| Catalog Number 型號 | Stock Bores 標準孔徑 d1xd2(公差H7) | | | | | | | | | | | | | |
|----------------------|---------------------------------|---|---|---|---|------|---|-------|----|----|----|----|----|----|
| | 2 | 3 | 4 | 5 | 6 | 6.35 | 8 | 9.525 | 10 | 12 | 14 | 15 | 16 | 18 |
| SCT - 12C | | ● | ● | ● | | | | | | | | | | |
| SCTS - 12C | | ● | ● | ● | | | | | | | | | | |
| SCT - 16C | | | ● | ● | ● | ● | | | | | | | | |
| SCTS - 16C | | | ● | ● | ● | ● | | | | | | | | |
| SCT - 20C | | | ● | ● | ● | ● | ● | | | | | | | |
| SCTS - 20C | | | | ● | ● | ● | ● | | | | | | | |
| SCT - 25C | | | | ● | ● | ● | ● | ● | ● | | | | | |
| SCTS - 25C | | | | | ● | ● | ● | ● | ● | | | | | |
| SCT - 32C | | | | | | | ● | | ● | ● | ● | | | |
| SCTS - 32C | | | | | | | ● | | ● | ● | ● | | | |
| SCT - 40C | | | | | | | ● | | ● | ● | ● | ● | ● | |
| SCTS - 40C | | | | | | | ● | | ● | ● | ● | ● | ● | |
| SCT - 50C | | | | | | | | | ● | ● | ● | ● | ● | ● |
| SCTS - 50C | | | | | | | | | ● | ● | ● | ● | ● | ● |
| SCT - 63C | | | | | | | | | | ● | ● | ● | ● | ● |
| SCTS - 63C | | | | | | | | | | ● | ● | ● | ● | ● |