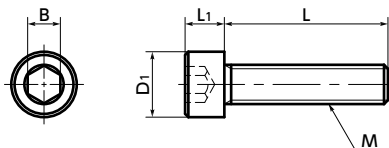


SNSP Hex Socket Head Cap Screws - Phosphor Bronze



WEB Selection Tool
 WEB CAD Download
 Cleanroom wash & packaging
 Non-Magnetic



● Mechanical property

| | Phosphor Bronze (C5191) | SUS304 |
|---------------------------------------|-------------------------|---------------|
| Tensile Strength (N/mm ²) | 590 or Higher | 520 or Higher |
| Elongation (%) | 8 | 40 or Higher |

● Values in chart are for reference only. They are not guaranteed values.

● Physical property

| | Phosphor Bronze (C5191) | SUS304 |
|---|-------------------------|-------------------------|
| Specific Gravity | 8.83 | 7.93 |
| Longitudinal Elastic Modulus (GPa) | 105 | 193 |
| Electric Resistance (μΩ · m) | 0.13 | 0.7 |
| Thermal Conductivity (W / (m · K)) | 67 | 17 |
| Linear Expansion Coefficient (K ⁻¹) | 18 × 10 ⁻⁶ | 17.3 × 10 ⁻⁶ |

● Values in chart are for reference only. They are not guaranteed values.

● Magnetic flux density

| | Phosphor Bronze | SUSXM7 (Equivalent to SUS304) |
|---------------------------|-----------------|-------------------------------|
| Magnetic Flux Density (T) | 0 | 5 × 10 ⁻⁵ |

Measuring device : 5080 Gauss (Tesla) Meter by F.W.BELL

Measuring conditions : DC magnetic field measuring mode

Probe and sample separation distance: 5

mm

- Non-Magnetic.
- Excellent fatigue resistance, corrosion resistance, and abrasion resistance.

● Application

FPD production equipment, semiconductor devices, and electrical and electronic equipment

● Material/Finish



| | SNSP |
|-----------|-------------------------|
| Main Body | C5191 (Phosphor Bronze) |

| Part Number | M (Coarse) | | L | | | | | | | | | | | D1 | L1 | B | Tension*1 Rupture Load (N) | Mass (g) |
|----------------|-------------------|-------|---|---|----|----|----|----|----|----|----|----|-----|----|-----|-------|----------------------------|----------|
| | Nominal of Thread | Pitch | 6 | 8 | 10 | 12 | 16 | 20 | 25 | 30 | 35 | | | | | | | |
| SNSP-M3 | M3 | 0.5 | 6 | 8 | 10 | 12 | 16 | 20 | | | | | 5.5 | 3 | 2.5 | 2960 | 0.81 - 1.6 | |
| SNSP-M4 | M4 | 0.7 | | 8 | 10 | 12 | 16 | 20 | 25 | | | | 7 | 4 | 3 | 5180 | 1.9 - 3.6 | |
| SNSP-M5 | M5 | 0.8 | | | 10 | 12 | 16 | 20 | 25 | | | | 8.5 | 5 | 4 | 8370 | 3.1 - 5.4 | |
| SNSP-M6 | M6 | 1 | | | | 12 | 16 | 20 | 25 | 30 | | | 10 | 6 | 5 | 11800 | 5.8 - 9.5 | |
| SNSP-M8 | M8 | 1.25 | | | | | | 16 | 20 | 25 | 30 | 35 | 13 | 8 | 6 | 21500 | 14 - 22 | |

Unit : mm

*1 : Values in chart are for reference only. They are not guaranteed values.

| Part Number | Qty per Pack |
|----------------|--------------|
| SNSP-M3 | 1 |
| SNSP-M4 | 1 |
| SNSP-M5 | 1 |
| SNSP-M6 | 1 |
| SNSP-M8 | 1 |

● Part number specification

SNSP-M5 - 16



| | | | | |
|---------------------------|-------------------------------------|----------------------------------|------------------------------|---|
| Individual Sales → P.0000 | Cleanroom Wash & Packaging → P.0000 | Screw Length Adjustment → P.0000 | Vibration Resistant → P.0000 | Modification process for captive use → P.0000 |
| 1 unit in 1 bag | Cleanroom washed and packed | Available / Add'l charge | Available / Add'l charge | Available / Add'l charge |