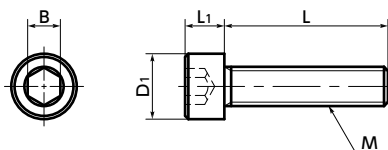


SNSP Hex Socket Head Cap Screws - Phosphor Bronze



Cleanroom wash & packaging

Non-Magnetic



Material/Finish



	SNSP
Main Body	C5191 (Phosphor Bronze)

Physical Properties

	Phosphor Bronze (C5191)	SUS304
Specific Gravity	8.83	7.93
Longitudinal Elastic Modulus (GPa)	105	193
Electric Resistance ($\mu\Omega \cdot m$)	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.

Mechanical Properties

	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.

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 measurement mode

Probe and sample separation distance: 5 mm

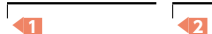
Unit : mm

Part Number	M (Coarse)														D1	L1	B	Tensile Breaking Load *1 (N)	Mass (g)
	Nominal of Thread	Pitch	L																
SNSP-M2	M2	0.4	4	5	6	8									3.8	2	1.5	1310	0.22 - 0.29
SNSP-M2.5	M2.5	0.45	4	5	6	8	10								4.5	2.5	2	2150	0.39 - 0.61
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

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

Part number specification

SNSP-M5-16



Batch cleanroom packing is provided for orders containing multiple items of the same size.

Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge