

### Material/Finish

	SNSLG-RY
Main Body	SUS316L Low Temperature Black Chrome Treatment



- High-strength stainless steel hex socket head cap screws.
- Tensile strength is 1000 N/mm<sup>2</sup>, 0.2% proof load 800 N/mm<sup>2</sup>
- The proof load is approximately 1.8 times that of general stainless steel hex socket head cap screws. Therefore, smaller screw diameters and reduced quantities are available to save space and reduce weight.
- Made of SUS316L. It has excellent corrosion resistance.
- Non-magnetic.
- Corrosion resistance, chemical resistance, and abrasion resistance are excellent.
- Low outgas quantity, usable in vacuum environments.
- Excellent lubrication property. Suitable for preventing seizing.
- Spectral reflectance 1.5% or below. For optical equipment and other applications requiring anti-reflection.
- Compliant with JIS B 1176, ISO 4762, and DIN 912. For shapes and dimensions, see "Technical Data (JIS B 1176, ISO4762)".

### Application

Seizing prevention  
Space-saving/lightweight  
Optical equipment / FPD production equipment / Semiconductor manufacturing equipment / Equipment and device structures / General industrial machines

Unit : mm

Part Number	M (Coarse)		L								D1	L1	B	Mass (g)
	Nominal of Thread	Pitch												
SNSLG-M3-RY	M3	0.5	6	8	10	12	15	20	25		5.5	3	2.5	0.71 - 1.6
SNSLG-M4-RY	M4	0.7		8	10	12	15	20	25		7	4	3	1.6 - 3.2
SNSLG-M5-RY	M5	0.8			10	12	15	20	25	30	8.5	5	4	2.7 - 5.6
SNSLG-M6-RY	M6	1				12	15	20	25	30	10	6	5	5.1 - 8.3

Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Available / Add'l charge	Not Available	Not Available	Please feel free to contact us

### Mechanical Properties

Part Number / Strength Class	Property		
	Tensile Strength (N / mm <sup>2</sup> )	0.2% Proof Load (N / mm <sup>2</sup> )	Elongation (mm)
SNSLG-RY*1	1000	800	0.3d
A2-70/A4-70*2	700	450	0.4d
A2-50/A4-50*2	500	210	0.6d

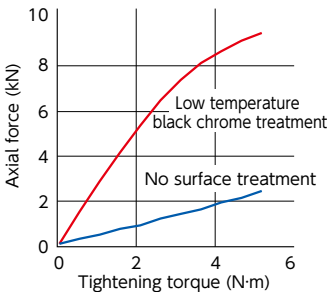
\*1 : In-house specification value. Confirmed with test pieces (pre-treatment materials) from each production lot.  
\*2 : Specification value from JIS B 1054 - 1:2013 (ISO 3506 - 1:2009) "Mechanical properties of corrosion-resistant stainless steel fasteners- Part 1: Bolts, screws and studs". Values in chart are for reference only. They are not guaranteed values.

### Magnetic Permeability Comparison

Part Number / Material	Magnetic Permeability
SNSLG SUS316L	1.008
SNSL SUS316L	1.006
SUSXM7	1.4

Values in chart are for reference, using pre-surface treated materials, only. They are not guaranteed values.

### Tightening Properties (Reference)



Reference data for Hex Socket Head Cap Screw - SUSXM7 - Low Temperature Black Chrome Treatment SNSS-M5-25-RY.

### Part Number Specification

SNSLG-M5-25-RY

1 2 1