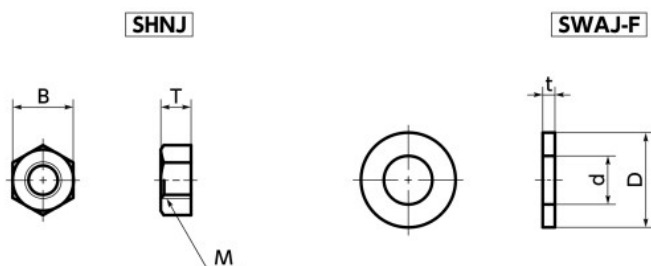




# SHNJ/SWAJ Hex Nuts / Washers - SUS310S

Cleanroom wash & packaging Heat-resistance Chemical-proof SUS Stainless steel



## ● Mechanical property

	SUS310S
Tensile Strength (N/mm <sup>2</sup> )	520 or Higher
0.2% Proof Stress (N/mm <sup>2</sup> )	205 or Higher
Elongation (%)	40 or Higher
Hardness (HRB)	90 or Less

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

## ● Physical property

	SUS310S
Specific Gravity	7.98
Heat Resistance Temperature*1 (°C)	700
Electric Resistance (μΩ·m)	0.78
Specific Heat (J/kg·K)	500
Thermal Conductivity (W/(m·K))	14
Linear Expansion Coefficient (K <sup>-1</sup> )	15.9×10 <sup>-6</sup>

\*1: This is the heat resistance temperature of the SUS310S material.

- Values in chart are for reference only. They are not guaranteed values.
- When heated to 700 deg C, tensile strength drops approximately 60% and proof stress drops approximately 40%.
- Make sure to carry out tests under the same condition of actual use in advance to confirm safety.

- Compared to SUS304, SUS310S has excellent heat resistance, oxidation resistance, and nitric acid resistance compared to SUS304.
- Austenitic series stainless steel with high Ni content, which is effective for corrosion resistance and high temperature characteristics.
- Use in combination with **SNSJ** Socket Head Cap Screw (SUS310S) → P.xxxx
- Cleanroom wash and cleanroom packing are completed. → P.xxxx

## ● Application

FPD production equipment, semiconductor devices, nitric acid plants, and aquatic applications

## ● Material/Finish



	SHNJ	SWAJ-F
Main Body	SUS310S	SUS310S

## ● Part number specification

### SHNJ-M5



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

## SHNJ Hex Nuts

Unit: mm

Part Number	M (Coarse)		B	T	Mass (g)
	Nominal of Thread	Pitch			
SHNJ-M3	M3	0.5	5.5	2.4	0.35
SHNJ-M4	M4	0.7	7	3.2	0.81
SHNJ-M5	M5	0.8	8	4	1.2
SHNJ-M6	M6	1	10	5	2.5
SHNJ-M8	M8	1.25	13	6.5	5.6
SHNJ-M10	M10	1.5	17	8	12

## SWAJ-F Washers

Unit: mm

Part Number	Nominal	d	D	t	Mass (g)
SWAJ-3-F	3	3.2	7	0.5	0.12
SWAJ-4-F	4	4.3	9	0.8	0.31
SWAJ-5-F	5	5.3	10	1	0.45
SWAJ-6-F	6	6.5	13	1	0.79
SWAJ-8-F	8	8.5	18	1.5	2.4
SWAJ-10-F	10	10.5	22	1.5	3.5

Individual Sales → P.xxxx	Cleanroom Wash & Packaging → P.xxxx	Screw Length Adjustment → P.xxxx	Vibration Resistant → P.xxxx	Modification process for captive use → P.xxxx
1 piece in 1 pack	Cleanroom washed and packed	Not Available	Not Available	Not Available