



# SHNJ/SWAJ Hex Nuts / Washers - SUS310S

WEB Selection Tool

WEB CAD Download

Cleanroom wash & packaging

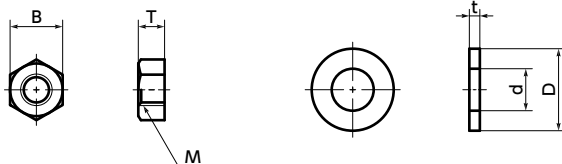
Heat-resistance

Chemical-proof

SUS Stainless steel

SHNJ

SWAJ-F



## ● 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*(°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>

\*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.619

## ● Application

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

## ● Material/Finish

RoHS Compliant

	SHNJ	SWAJ-F
Main Body	SUS310S	SUS310S

## ● Part number specification

### SHNJ-M5

1

### SHNJ Hex Nuts

Unit : mm

Part Number	M	B	T	Mass (g)	Qty per pack
SHNJ-M3	M3	5.5	2.4	0.35	1
SHNJ-M4	M4	7	3.2	0.81	1
SHNJ-M5	M5	8	4	1.2	1
SHNJ-M6	M6	10	5	2.5	1
SHNJ-M8	M8	13	6.5	5.6	1
SHNJ-M10	M10	17	8	12	1

### SWAJ-F Washers

Unit : mm

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

1 Individual Sales → P.794 Cleanroom Wash & Packaging → P.792 Screw Length Adjustment → P.796 Vibration Resistant → P.795 Modification process for captive use → P.791

1 pc. in 1 bag

Cleanroom washed and packed

Not Available

Not Available

Not Available