



SHNI/SWAI Hex Nuts / Washers - Inconel

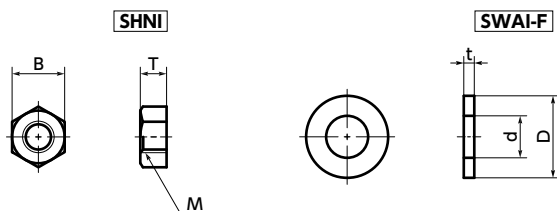
WEB Selection Tool

WEB CAD Download

Cleanroom wash & packaging

Heat-resistance

Chemical-proof



● Mechanical property

	Inconel (UNS N06600)	SUS304
Tensile Strength (N/mm ²)	548 - 695	520 or More
0.2% Proof Load (N/mm ²)	205 - 352	205 or More
Elongation (%)	35 - 55	40 or More
Hardness (HRB)	65 - 85	90 or Less

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

● Physical property

	Inconel (UNS N06600)	SUS304
Specific Gravity	8.42	7.93
Longitudinal Elastic Modulus (GPa)	207	193
Specific Heat (J/kg·K)	444	500
Electric Resistance (μΩ·m)	1.0	0.7
Thermal Conductivity (W/(m·K))	16.7	17
Linear Expansion Coefficient (K ⁻¹)	13.4 x 10 ⁻⁶	17.3 x 10 ⁻⁶

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- Screws show excellent corrosion resistance against oxidizing and reducing by inorganic and organic acids. → P.xxxx
- Excellent resistance to stress corrosion cracking caused by hydrogen sulfide ions.
- Nearly complete corrosion resistance against ammonia.
- Excellent heat resistance and creep resistance. High strength even near 600 deg C.

● Application

FPD production equipment, semiconductor devices, printed circuit board etching devices, metallic surface treatment equipment and facilities, and chemical plants

● Material/Finish

RoHS2 Compliant

	SHNI	SWAI
Main Body	NCF600 (Inconel*1)	NCF600 (Inconel*1)

*1 : Inconel is a registered trademark of Special Metals Corporation.

SHNI Inconel Hex Nuts

Part Number	M	B	T	Mass (g)	Qty per Pack
SHNI-M3	M3	5.5	2.4	0.37	1
SHNI-M4	M4	7	3.2	0.86	1
SHNI-M5	M5	8	4	1.3	1
SHNI-M6	M6	10	5	2.6	1
SHNI-M8	M8	13	6.5	5.9	1

Unit : mm

SWAI-F Plain Washers - Inconel

Part Number	Nominal	d	D	t	Mass (g)	Qty per Pack
SWAI-3-F	3	3.2	7	0.5	0.12	1
SWAI-4-F	4	4.3	9	0.8	0.31	1
SWAI-5-F	5	5.3	10	1	0.45	1
SWAI-6-F	6	6.4	12.5	1.6	1.2	1
SWAI-8-F	8	8.4	17	1.6	2.3	1

Unit : mm

● Part number specification

SHNI-M5

1

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 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available