

**NSSC SERIES** 



# Ultra-Low-Carbon Austenitic Stainless Steel

## NSSC 304UL, NSSC 316UL

18Cr-10Ni-LC, 17Cr-15Ni-2Mo-LC/Similar grade: SUS 304L, SUS 316L

## Features and Applications

NSSC 304UL and NSSC 316UL have been developed to have C $\leq$ 0.020% as a countermeasure against intergranular corrosion.

- 1. Superior to SUS 304L and SUS 316L in intergranular corrosion resistance.
- 2. Assures further improved safety against intergranular corrosion.

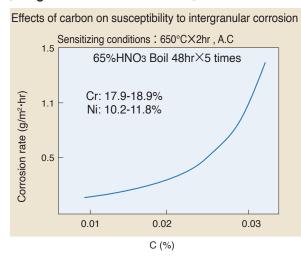
[ Applications ] Spent nuclear fuel reprocessing equipment, Various equipment susceptible to intergranular corrosion

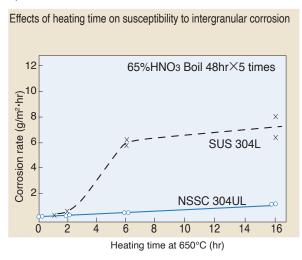
### Characteristics

#### [Mechanical properties]

		Yield strength 0.2% offset N/mm <sup>2</sup>	Tensile strength N/mm²	Elongation %	Hardness HBW
NSSC 304UL	Specification	≧175	≧480	≧40	≦187
	Typical values	235	549	66	131
NSSC 316UL	Specification	≧175	≧480	≧40	≦187
	Typical values	235	510	65	121

[Intergranular corrosion resistance] -65% Nitric Acid Corrosion Test; JIS G 0573-





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