



Heat Resistant Ferritic Stainless Steel

NSSC FHZ

13Cr-1Si-Nb-LC

Features and Applications

NSSC FHZ has improved heat resistance through the addition of Nb.

- 1. High performance high-temperature strength and thermal fatigue characteristics through the addition of Nb.
- 2. Superior to SUH 409L in oxidation resistance because of its high Si content.

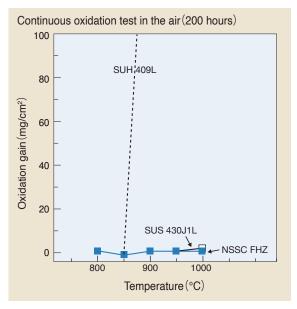
[Applications] Automotive exhaust systems (exhaust manifolds, front pipes, etc.), Plant components (waste-heat boiler ducts of power plant and others)

Characteristics

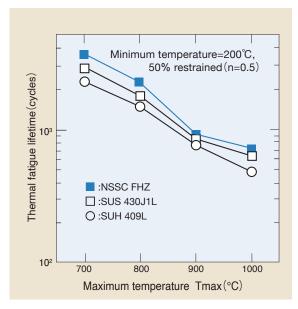
[Mechanical properties]

	Yield strength 0.2% offset N/mm ²	Tensile strength N/mm ²	Elongation %	Hardness HV
Specification	≧205	≧410	≧25	≦200
Typical values	311	492	34	152

[Oxidation resistance]



[Thermal fatigue characteristics]



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