

NSSC SERIES

AUSTENITIC



Heat-Resistant Austenitic Stainless Steel

NSSC 305B

19Cr-13Ni-3.5Si / Similar grade : SUS XM15J1

Features and Applications

Superior to SUS 310S in oxidation resistance at high temperatures.

Superior to SUS 310S also in high-temperature strength and creep strength.

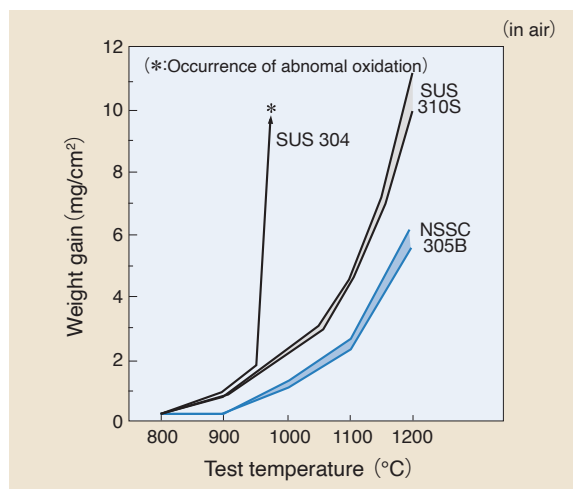
[Applications] Automotive exhaust systems, Industrial oven components, Incinerators

Characteristics

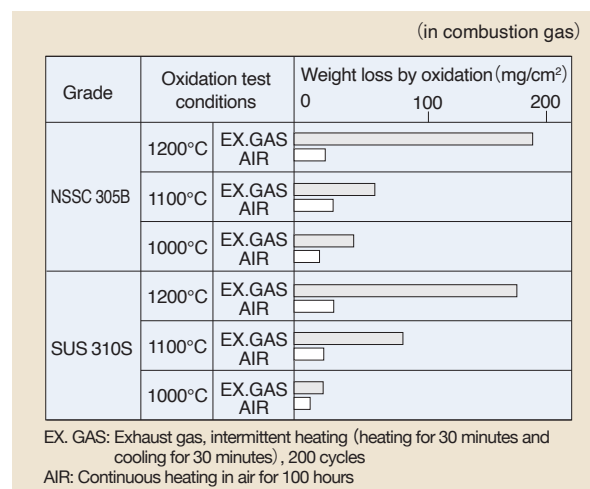
[Mechanical properties]

	Yield strength 0.2% offset N/mm ²	Tensile strength N/mm ²	Elongation %	Hardness HV
Specification	≥205	≥540	≥45	≤200
Typical values	305	665	60	161

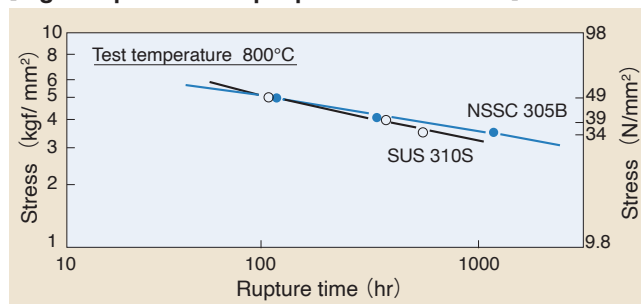
[Oxidation resistance]



[Oxidation resistance]



[High-temperature creep rupture characteristics]



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