

NAS310S (UNS S31008)

Heat-Resistant Stainless Steel

NAS310S is a heat-resistant austenitic stainless steel designed for use in high-temperature environments. With excellent oxidation resistance and superior strength at elevated temperatures, it is ideal for applications requiring durability under thermal stress.

Chemical Composition

		[wt %]						
		C	Si	Mn	P	S	Ni	Cr
NAS310S	Spec	≤0.08	≤1.50	≤2.00	≤0.045	≤0.030	19.00~ 22.00	24.00~ 26.00
	Typical	0.035	0.70	1.02	0.017	0.0007	19.12	24.8

Mechanical Properties

		Proof stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Hardness (HV)
NAS310S	Spec	≥205	≥520	≥40	≤200
	Typical BA t0.20mm	293	616	48	160

Production capability

Finish : 2D/ 2B /BA
Thickness : 0.05mm ~ 1.2mm
Width : 2mm ~ 500mm

Application

Engine gasket, Oxygen sensor cap

For more information, please contact:
NAS Stainless Steel Strip MFG. Co., Ltd.
(NAS KOTAI)
Marketing & Development Dept.
Overseas Sales Dept.
Tel: +81-3-5205-2541

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