

# 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/mm2)	Tensile strength (N/mm2)	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

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For more information, please contact:  
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