

Typical Applications

- Aerospace fabrication
- Panels
- Bodywork
- Blanking panels
- Space frames

Product Description

Austenitic chromium-nickel stainless steel stabilised with niobium. The material is available in cold rolled or cold rolled and tempered and is suitable for medium strength components requiring good corrosion resistance and cold workability. Good weldability. Tensile strength (Rm) 800-1100 N/mm².

Cold Working

Good cold workability

Key Features:

- Added Niobium
- Good corrosion resistance and cold workability
- Medium strength
- Available in cold rolled or cold rolled and tempered
- Good weldability

Corrosion Resistance

Good corrosion resistance

Weldability

Good weldability

Availability

Sheet, strip

Chemical Composition (weight %)

Weight (%)	C	Si	Mn	Cr	Mo	P	S	Ni	Nb
Min		0.2	0.5	17.0				9.0	10X C
Max	0.08	1.0	2.0	19.0	1.0	0.035	0.025	11.0	1.0

Mechanical Properties

Tensile Strength (Rm)	800 - 100 N/mm ²
0.2% Proof Stress	640 N/mm ² max
Elongation (<1.5mm thick)	11% min

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

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 Smiths Biggleswade **01767 604 704**
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Quality & Testing:



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