

Typical Applications

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

Product Description

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

Related Specifications

- MSRR 6565

Key Features:

- Suitable for medium strength components
- Supplied in cold rolled or cold rolled and tempered
- Good cold workability
- Good corrosion resistance
- For use in applications requiring good corrosion resistance

Corrosion Resistance

Good corrosion resistance

Weldability

Good weldability

Availability

Sheet, strip

Chemical Composition (weight %)

Weight (%)	C	Si	Mn	Cr	Mo	P	S	Ni	Ti
Min		0.20	0.50	17.0				9.0	5XC
Max	0.08	1.00	2.00	19.0	1.0	0.035	0.025	11.0	0.7

Mechanical Properties (cold rolled condition)

Grade	Tensile Strength Rm, N/mm ²	Yield Strength N/mm ²	Elongation (%)	Ruling Section
S524	800 - 1100	640	11	<1.5mm
S524	800 - 1100	640	13	1.5 - 3.0 mm
S524	800 - 1100	640	15	> 3.0 mm

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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Quality & Testing:



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