



Narrow Strip Hire Rolling

Narrow strip has extensive experience of hire rolling a vast array of different types of ferrous and non-ferrous alloy, special metals and stainless steel grades. Over the years, this has led to refined reheating and rolling processes that produce products of a high quality, including the application of Laminar cooling in order to achieve specific property requirements.

Typically, we can offer short lead times, generally 1–2 weeks from delivery of slabs to us.

Within the Speciality Steels group we are able to convert customers' own ingots to slabs for subsequent rolling on our Narrow strip mill, thus offering the opportunity to fully process customers' own cast material.

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Grades and applications

Our hire rolled products are used within a number of industries such as electrical, computer, aerospace and automotive. A wide range of alloys with reheat temperatures from 850-1310°C rolled successfully to date.

Typical grades include:

- High nickel alloys (approx. 30-100% Ni)
- Nickel-copper alloys
- Nickel-chrome alloys
- High manganese alloys (74% Mn)
- Cobalt irons (18-90% Co)
- Maraging steel
- Non-ferrous grades such as pure copper, nickel and titanium.
- Nickel based super alloys
- Cobalt based super alloys
- Pure Iron
- Fe-Cr-Al grades
- Specialised stainless grades.

Conditions of supply:

- Black or pickled and oiled
- Mill edge
- **Cut lengths:** from 1000mm to 6000mm
- **Coil dimensions:** Inside diameter 508mm/
Outside diameter 1350mm max
- **Coil weight:** up to 9.5kg/mm of strip width
- **Tolerances:** subject to agreement

Applications:

- Electrical connectors
- Electrical shielding
- Motor and alternator laminations
- Circuit breakers
- Heating elements and sheaths
- Bi-metallic strip
- Welding strip
- Battery cases
- Gas turbine components
- Aerospace fasteners
- Magnetic sensors
- Fuel Injectors
- Nuclear Industry
- Defence Industry.

Standard slab size range

Length	Width	Thickness
4.3 - 12.2m	200 - 500mm	50 - 110mm

Finished strip size range

Gauge	Width
2.0 - 14mm	200 - 500mm

Technical support

Our highly qualified technical team will provide advice on the most appropriate grade and product to your specific requirement. Customer Technical Support provide specialist advice and help with day-to-day problem solving.

Works based metallurgists and the full resources of our Steel Research and Development Laboratories are available to assist with longer-term developments.

For further information, enquiries or any technical guidance on our range of Narrow Strip products please contact the Commercial Department at the address below.

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V1 01/2019.

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