

Description

Grade 301 is an Austenitic stainless steel, widely used for spring manufacture in the hard cold rolled condition without the requirement for heat treatment after forming.

Grade 301 has rust and corrosion resistant properties and good ductility. It is non-magnetic in the annealed condition, but becomes slightly more magnetic when cold worked.

Hardness

We supply grade 301 in the hardness range of HV 380-450 full hard condition.

However other hardness ranges can be obtained on request.

Composition

	AISI 301 1.4310
Carbon	0.15%
Silicon	2% max
Manganese	2% max
Phosphorous	0.045%
Nitrogen	0.11% max
Sulphur	0.015% max
Chromium	16.00 - 18.00% max
Nickel	6.00 - 8.00% max
Molybdenum	0.80% max

Related Specifications

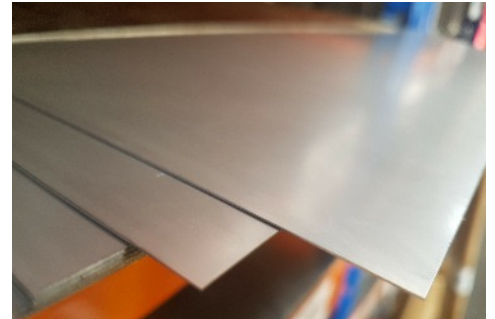
Grade 301 is a close equivalent to:

AISI / SAE 301	EN / Werkstoff Nr. 1.4310
CORE 301	LMSA D100
X10CrNi18-8	SUS 301
DIN17224	

Condition Supplied

BSS supply grade 301 Stainless in the following conditions:

Temper rolled.



**Fast UK and
international
shipping**



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Applications

Grade 301 stainless has a wide range of applications including:

- Springs
- Knives and Blades
- Conveyor Belts
- Automotive Trim
- Dental and medical uses
- Springs for radiator caps
- Aircraft and auto components
- Printing industry components
- Food industry blades and components
- Wear plates
- Shims
- Scrapers
- Brake parts
- Shoe Inserts

Sizes

Grade 301 is supplied in sheet and coil.

Gauges: 0.20mm - 3.00mm

Standard sheet widths: 300-330mm

Max sheet length: 2500mm

Coil can be slit / sheared to your required dimensions.

Laser cut parts available (from supplied .DXF / .DWG)

Contact

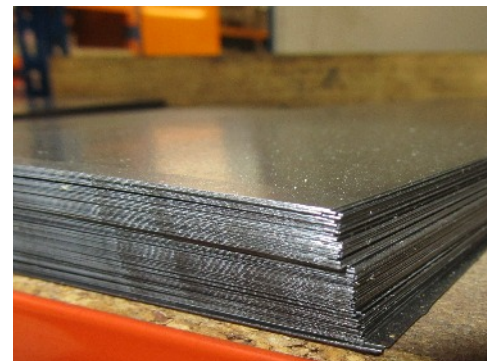
For quotations and enquiries, or to place an order, please contact our customer service team.

Our office is open from 8.30am - 5.00pm Mon-Thurs and 8.30am-4pm Fridays.

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