Helping manufacturers across the globe achieve sustainable leaner manufacturing processes

Stainless Steels

Aerospace Approved

Austenitics

Ferritics

Martensitics

Precipitation Hardened Steels

Duplexes

Fast Turnaround Processing

WIDE STOCK RANGE

Low Width Thickness Ratio 3:1 unique to the industry (normal minimum is 8:1)

Over 75 years Experience

bsi. ISO 9001 Quality Management

FM 02114

Stainless Steel

The main justification for selecting Stainless Steel for a given application is its outstanding corrosion and oxidation resistance which, along with other exceptional properties, such as the ability to develop very high strength through cold working or heat treatment, excellent formability and capability to withstand cryogenic temperatures, makes it a very versatile material.

Stainless Steels have a wide range of microstructures which are controlled by composition and, although all Stainless Steels must contain chromium to form the complex oxide surface which gives Stainless Steel its protection, other alloying elements have significant effects. In discussing the generic group "Stainless Steels" it is convenient to categorise them in terms of microstructure.

STAINLESS STEEL STOCK RANGE				
TYPE	COIL STOCK RANGE		WIRE STOCK RANGE	
	Thickness (mm)	Width (mm)	Round	Shaped
AUSTENITIC				
Annealed	0.01 - 3.0	0.65 - 1220	0.25 – 8.00 mm dia	Upto 45 mm2 area
Cold Worked	0.01 - 2.0	0.65 - 1000	Please contact us with your requirements	
FERRITIC				
Annealed	0.05 - 3.0	0.65 - 650	0.25 – 8.00 mm dia	Upto 45 mm2 area
Cold Worked	0.05 - 1.6	0.65 - 450	Please contact us with your requirements	
MARTENSITIC				
Annealed	0.127 - 3.0	0.65 - 450	0.25 – 8.00 mm dia	Upto 45 mm2 area
PRECIPITATION HARDENING (17/7 PH)				
Annealed	0.02 - 1.5	0.65 - 620	0.25 – 8.00 mm dia	Upto 45 mm2 area
Condition 'C'	0.025 - 1.0	0.65 - 610	Please contact us with your requirements	
HEAT RESISTING STEELS				
Annealed	0.025 - 3.0	0.65 - 1000	0.25 – 8.00 mm dia	Upto 45 mm2 area
Other widths can be made available upon request				

SURFACE FINISHES AVAILABLE OF SHEET, PLATE AND STRIP		
Abbreviation	Type of process route	Surface finish / Notes
2D	Cold rolled,heat treated, pickled.	Smooth and dull, a finish for good ductility, not as smooth as 2B or 2R.
2B	Cold rolled, heat treated, pickled	Smoother than 2D, a common finish for further processing, not bright.
2R	Cold rolled, bright annealed.	Smooth, bright, reflective, a common finish for further processing.
2H	Cold rolled, work hardened.	Bright, temper rolled to obtain a higher strength.
2Q	Hardened and tempered, scale free.	Free of scale, either bright hardened and tempered or descaled afterwards.

Types

Austenitic Stainless Steel

The high temperature form of iron with carbon in solid solution is known as Austenite which is non-magnetic. With a range of alloying additions possible, the most common being Nickel, Austenitic Stainless Steel remains non magnetic at room temperature. Traditional Austenitic Stainless Steels are based on an 18% chromium, 8% Nickel alloy, commonly known as 18/8 stainless. The chromium and Nickel contents can be increased to further improve corrosion resistance and other elements, such as molybdenum, can be added, again to improve corrosion resistance. Similarly the Nickel content can be varied to give a range of mechanical properties, due to differing work hardening rates.

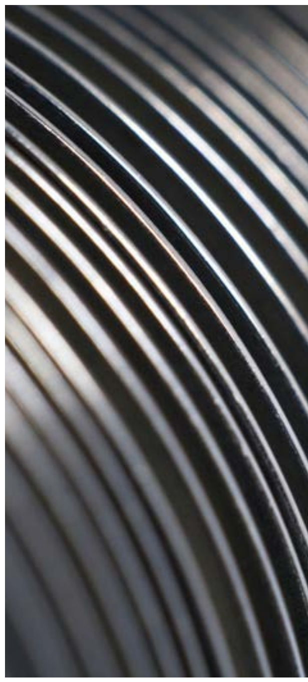
This has led to the familiar group of 300 Series Alloys, which were developed to exploit the full range of possibilities available when altering alloying levels. In the fully annealed condition they are essentially non-magnetic but cold working of the less alloyed grades will induce structural changes leading to increased levels of magnetism.

Ferritic Stainless Steel

This group is so named because the alloys have the same structure as iron at room temperature. These alloys are based on a minimum chromium level of 11% and contain no Nickel but provide fair corrosion resistance and good formability at low cost. Chromium levels can be increased to improve corrosion resistance but these alloys have low work hardening rates, do not develop high strength from cold working and remain magnetic in all tempers. Ferritic Stainless Steels are the ideal solution for high volume applications, particularly in domestic environment where moderate corrosion resistance is acceptable. Good examples include hinges and stays in the UPVC window hardware industry.

Martensitic Stainless Steel

Martensitic Stainless Steels are similar to plain Carbon Steels that are austenitised, hardened by quenching and tempered to give improved toughness and ductility. These alloys are magnetic and are generally formed in the annealed condition, then heat treated. The strength generated by heat treatment is dependent on the carbon content of the alloy; increasing carbon increases strength but at the expense of toughness and ductility. Martensitic Stainless Steel is a low cost stainless metal strip and was the first to be commercially developed and is used as cutlery steel. It is also used for the manufacture of complex spring shapes needing a soft steel for forming.



Precipitation Hardening Stainless Steel

Precipitation Hardened Alloys are part of the Stainless Steel family, possessing a higher carbon content compared to Ferritic alloys, enabling them to harden through air, oil or water cooling, improving their strength. This alloy grade offers manufacturers many superior properties, combining high work hardening rates and very high strengths, superior fatigue properties, good corrosion resistance, and minimum distortion when heat treated. These properties, in addition to good formability, make 17-7PH ideal for aerospace applications, spring manufacturing and surgical instruments.

Duplex & Super Duplex Stainless Steel

Duplex Stainless Steel strip has a combined Austenitic-Ferritic structure. These magnetic alloys are not hardenable by heat treatment, but offer many added advantages over other Stainless Steels, with higher annealed strengths, stress relaxation and fatigue properties, superior tensile strength, greater corrosion and pitting resistance and lighter weight. Duplex Stainless Steel strip can be strengthened by cold work and has lower thermal expansion and higher heat conductivity than austenitic steel strip. With a lower Nickel content than other Stainless Steels, the material cost is also reduced. Super Duplex has a higher chromium content than standard Duplex, offering further mechanical and corrosion resistance.

Stainless Steel

Features

EUROPEAN NAME	ASTM NAME		FEATURES		
	AISI	UNS	Key Features	Key Markets	Applications
AUSTENITICS					
1.4310	301	S 30100	An Austenitic Nickel-Chrome alloy with high toughness and corrosion resistance. In annealed form it is non magnetic, but develops magnetic properties through cold working. It has good surface brightness, making it useful for decorative applications.	Aerospace, Automotive, Chemical, Transport, Springs & Pressings, Decorative	Aircraft structural parts, Automotive Parts including trims and wheel covers Springs, Pressings, Connectors, Gaskets, Watch Parts, Chemically Etched Components, Building Tools, Decorative Purposes, Tableware, appliances
1.4301	304	S 30400	The most common grade of Stainless Steel due to its versatility. Excellent corrosion resistance in a wide range of environments, excellent formability and welding, superior deep drawing properties.	Food, Springs & Pressings	Flexible Tube, Pipes, Domestic Appliances, Gaskets, Kitchen wares, Springs, Thread Fasteners, Sinks, Computer and Monitor parts, Battery Cases, Window Spacers, Architectural Panels, Heat Exchangers
1.4307	304L	S 30403	Low Carbon version of 304, ideal for more corrosive environments. Greater resistance to intergranular corrosion in welds. Moderate pitting corrosion resistance.	Springs & Pressings	Water Tubes for Electric Heaters, Bellows, Pressings, Deep drawn Parts, Expanded Mesh
1.4303	305	S 30500	An Austenitic Stainless Steel with good corrosion resistance. It has capability for polishing and electroplating, as well as soldering and welding. It has good Cold Workability.	Electronic, Stationary	Electronic parts, deep drawn parts, battery cases, pens
1.4833	309S	S 30908	The low Carbon Version of 309, improves weldability and minimises carbide precipitation. Good resistance to oxidation and high-temperature corrosion combined with good mechanical strength at elevated temperatures. Not suited for use in highly carburizing environments.	Automotive, Energy , Chemical Cement	Gas Burner Radiators, Electrical Heating Element Tubes, Energy Conversion Plants, Furnace Parts, Heat Exchangers, Automotive Exhausts
1.4845	310/ 310S	S 31008	A Refractory Austenitic Stainless Steel, which has high toughness and excellent high-temperature oxidation resistance due to its high Chromium and Nickel content.	Petrochemical industry, Food Industry	Nuclear Thermal Insulation, Furnaces, Air Heaters, Food Processing Components
1.4401	316	S31600	Molybdenum added to increase corrosion resistance, with higher resistance to pitting and crevice corrosion in chloride environments than other common austenitic grades. Excellent welding and formability characteristics. Good for applications requiring continuous work in a temperature range of 450 and 850C.	Chemical, Petrochemical, Marine, Food	Bursting Discs, Seals, Bellows, Gaskets, Expansion Joints, Explosion Panels, Tubes, Diaphragms, Heat Exchangers, Coastal architectural features, Food and Laboratory benches, Threaded Fasteners, Springs, Boat Fittings, Chemical Containers
1.4436					
1.4404	316L	S 31603	The Low Carbon Version of 316, better for uses at sensitization temperatures, such as welding, as intergranular corrosion resistance is increased. Slightly more corrosion resistant than 1.4401. More heavily alloyed. Excellent corrosion resistance in Food, Beverage and Agricultural sectors.		
1.4432					
1.4571	320/ 316Ti	S 31635	Titanium-stabilised version of 316, prevents intergranular corrosion of welded structures by preventing formation of Chromium Carbide. The addition of Titanium offers improved mechanical strength at temperatures above 600C.		
1.4541	321	S 32100	Titanium added to reduce Chromium Carbide precipitation, giving increased protection against intergranular corrosion. Combines high strength, resistance to scaling and phase stability with resistance to subsequent aqueous corrosion, excellent welding and forming capabilities. Ideal for applications in the temperature range of up to 900°C.	Aerospace, Automotive	Heating Systems, Welded Tubes, Gaskets, Profile Pipes, Expansion Joints, Seals, Bellows Gaskets, Furnace Parts, Honeycomb Seals, Thermal Insulation, Tube, Flexible Tube, Diaphragms, Aerospace Components including exhaust manifolds
1.4550	347	S 34700	Additions of Niobium and Titanium give excellent resistance to intergranular corrosion.		
1.4539	904L	N 08904	A low Carbon Austenitic Stainless Steel, alloyed with Copper to improve resistance in acidic conditions. As it is alloyed with expensive components, Molybdenum and Nickel, it has become largely replace by lower cost Duplex alloys. 904L is non-magnetic, and offers excellent formability, toughness and weldability.	Oil & Gas, Paper & Pulp	Seals, Gaskets and Shims, Thermal Insulation Panels, Distillation, Column Packing

Features

EUROPEAN NAME	ASTM NAME		FEATURES		
	AISI	UNS	Key Features	Key Markets	Applications
FERRITICS					
1.4016	430	S 43000	Good Formability. Good corrosion resistance in moderately aggressive media and good oxidation resistance at elevated temperatures. It is not susceptible to stress cracking corrosion.	Automotive, Chemical Etching	Automotive Trim, Domestic Appliance Panels, Chemically Etched Components, Paint Brushes, Gaskets, Lights Bulbs, Hose Clamps, Oil refinery components in acidic environments
1.4113	434	S 43400	A low Carbon Ferritic Stainless Steel with additions of Molybdenum. Corrosion resistance is better than 430. Excellent polishing characteristics.	Automotive, Architectural	Automotive Trim, Dishwashers, Restaurant Equipment, Nitric Acid Plant Equipment
MARTENSITICS					
1.4006	410	S 41000	A low hardness Martensitic Stainless Steel which is corrosion resistant in water and steam. Not considered to be weldable, although it is possible with thin gauge material.	Medical, Mechanical	Stainless Steel Springs, Valves, Axles, Surgical Instruments, Wear Resistant Surfaces
1.4028	420	S 42000	Higher hardness than 410. Useful for applications in which wear and abrasion resistance is important.	Springs & Pressings, Printing Industry, Mechanical	Cutlery, Machine Knives, Scissors, Measuring Tools, Springs, Mechanical Parts
1.4122	-	-	The most corrosion resistant of the common Martensitic grades. Medium-High hardness. Very good wear resistance and mechanical properties.	Medical, Food, Mechanical	Surgical instruments, Pumps, Mechanical Parts, Food Processing
PRECIPITATION HARDENING					
1.4542	-	17-4PH	Good combination of corrosion resistance and excellent mechanical properties. The corrosion resistance is very similar to 1.4301, but significantly more resistant to Stress Corrosion Cracking. It is susceptible to Crevice Corrosion in stagnant sea water.	Aerospace, Marine, Sport and Leisure, Mechanical, Pulp and Paper Industry	Pump Components, Mechanical Parts, Golf Clubs, Seals
1.4568	-	17-7PH	Good formability and strength. Corrosion resistance is generally higher than the Martensitic Stainless Steels and 17-4PH but lower than 304. The formability is comparable to 301.	Springs & Pressings	Stainless Steel Springs, Diaphragms, Encapsulated Bellows, Strain Gauges
DUPLEX					
1.4062	2202	S 32202	A dual-phase Austenitic-Ferritic Stainless Steel. Offers elevated yield strength, good resistance to stress corrosion cracking and good mechanical strength. Suitable for cold forming.	Pulp and paper industry, Water, Food, Construction, Automotive	Crash barriers, Desalination Cladding of paper machines, Oil tanks Juice tanks, Automotive Structures
1.4462	2205	S 32205	A dual-phase Austenitic-Ferritic Stainless Steel. Achieves high yield strength while maintaining sufficient ductility. The corrosion resistance is comparable to grades 304 and 301. Good weldability and formability. High Design Strength, allowing for a reduction in section thickness.	Automotive, Chemical, Transport, Springs & Pressings, Decorative	Pulp and Paper Processing, Desalination, Automotive Trim, Offshore Platforms
1.4362	2304	S 32304	A dual-phase Austenitic-Ferritic Stainless Steel with low carbon content. Good resistance to corrosion and offers much higher proof strength as Austenitic Stainless Steels. Other properties include good weldability and good toughness.		
1.4410	2507	S 32750	A dual-phase Austenitic-Ferritic Stainless Steel. High resistance to all corrosion, high mechanical strength and good weldability. Suitable for service in highly corrosive conditions.	Automotive, Chemical, Marine	Pulp and Paper Processing, Desalination, Automotive Trim, Seawater Systems, Heat exchangers
1.4662	(LDX) 2404	S 82441	A Duplex Stainless Steel with high contents of Chromium and Nitrogen. This combination gives the material high corrosion resistance and a higher mechanical strength than other common Duplex materials. Other properties include good fatigue resistance and good weldability.	Automotive, Chemical, Marine, Energy, Architectural	Structural Components, Piping Systems, Pulp and Paper Processing, Oil ad Gas, Water Treatment.
1.4162	(LDX) 2101	S 32101	A low-alloyed, general purpose, Duplex Stainless Steel. Offers good general corrosion resistance, high sulfide and chloride stress corrosion resistance, good strength and weldability.	Chemical, Water Treatment, Paper & Pulp	Chemical Processing Vessels and Piping. Pulp and Paper Mill Equipment, Water Treatment Tanks.

Stainless Steel

Chemical Properties

AUSTENITICS

EURO. NAME	ASTM NAME		STANDARDS	TYPICAL CHEMICAL COMPOSITION %										
	AISI	UNS		C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu	Other
1.4310	301	S 30100	EN 10088-3:2014	0.05 - 0.15	2.00	2.00	0.045	0.015	16.00 - 19.00	0.80	6.0 - 9.5	0.10	-	-
			ASTM A 240/03C	0.15	1.00	2.00	0.045	0.030	16.00 - 18.00	-	6.0 - 8.0	0.10	-	-
1.4301	304	S 30400	EN 10088-3:2014	0.07	1.00	2.00	0.045	0.030	17.50 - 19.50	-	8.0 - 10.5	0.10	-	-
			ASTM A 240/03C	0.07	0.75	2.00	0.045	0.030	17.50 - 19.50	-	8.0 - 10.5	0.10	-	-
1.4307	304L	S 30403	EN 10088-3:2014	0.03	1.00	2.00	0.045	0.030	17.50 - 19.50		8.0 - 10.50	0.10	-	-
			ASTM A 240/03C	0.03	0.75	2.00	0.045	0.030	17.50 - 19.50	-	8.0 - 12.00	0.10	-	-
1.4303	305	S 30500	EN 10088-3:2014	0.06	1.00	2.00	0.045	0.030	17.00 - 19.00	-	11.00 - 13.00	0.10	-	-
			ASTM A 240/03C	0.12	0.75	2.00	0.045	0.030	17.00 - 19.00		10.50 - 13.00	-	-	-
1.4833	309S	S 30908	EN 10088-3:2014	0.15	1.00	2.00	0.045	0.015	22.00 - 24.00	-	12.00 - 14.00	0.11	-	-
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	22.00 - 24.00	-	12.00 - 15.00	-	-	-
1.4845	310/ 310S	S 31008	EN 10095:1999	0.10	1.50	2.00	0.045	0.015	24.00 - 26.00	-	19.00 - 22.00	0.11	-	-
			ASTM A 240/03C	0.08	1.50	2.00	0.045	0.030	24.00 - 26.00	-	19.00 - 22.00	-	-	-
1.4401	316	S31600	EN 10088-3:2014	0.07	1.00	2.00	0.045	0.030	16.50- 18.50	2.00 - 2.50	10.00 - 13.00	0.10	-	-
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	16.00- 18.00	2.00 - 3.00	10.00 - 14.00	0.10	-	-
1.4436			EN 10088-3:2014	0.05	1.00	2.00	0.045	0.030	16.50 - 18.50	2.50 - 3.00	10.50 - 13.00	0.10	-	-
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	16.00- 18.00	2.00 - 3.00	10.00 - 14.00	0.10	-	-
1.4404	316L	S 31603	EN 10088-3:2014	0.03	1.00	2.00	0.045	0.030	16.50 - 18.50	2.00 - 2.50	10.00 - 13.00	0.10	-	-
			ASTM A 240/03C	0.03	0.75	2.00	0.045	0.030	16.00- 18.00	2.00 - 3.00	10.00 - 14.00	0.10	-	-
1.4432			EN 10088-3:2014	0.03	1.00	2.00	0.045	0.030	16.50 - 18.50	2.50 - 3.00	10.50 - 13.00	0.10	-	-
			ASTM A 240/03C	0.03	0.75	2.00	0.045	0.030	16.00- 18.00	2.00 - 3.00	10.00 - 14.00	0.10	-	
1.4571	316Ti	S 31635	EN 10088-3:2014	0.08	1.00	2.00	0.045	0.030	16.50 - 18.50	2.00 - 2.50	10.50 - 13.50	-	-	Ti 5 x C to max 0.7
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	16.00 - 18.00	2.00 - 3.00	10.00 - 14.00		-	Ti 5 x (C+N) to max 0.7
1.4541	321	S 32100	EN 10088-3:2014	0.08	1.00	2.00	0.045	0.030	17.00 - 19.00	-	9.00 - 12.00	-	-	Ti 5 x C to max 0.7
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	17.00 - 19.00		9.00 - 12.00	0.10	-	Ti 5 x (C+N) to max 0.7
1.4550	347	S 34700	EN 10088-3:2014	0.08	1.00	2.00	0.045	0.015	17.00 - 19.00	-	9.00 - 12.00		-	Nb = 10 x C to max 1.0
			ASTM A 240/03C	0.08	0.75	2.00	0.045	0.030	17.00 - 19.00	-	9.00 - 13.00		-	Nb = 10 x C to max 1.0
1.4539	904L	N 08904	EN 10088-3:2014	0.02	0.70	2.00	0.030	0.010	19.00 - 21.00	4.00 - 5.00	24.00 - 26.00	0.15	1.20 to 2.00	-
			ASTM A 240/03C	0.02	1.00	2.00	0.045	0.035	19.00 - 23.00	4.00 - 5.00	23.00 - 28.00	0.10	1.00 to 2.00	-

FERRITICS

EURO. NAME	ASTM NAME		STANDARDS	TYPICAL CHEMICAL COMPOSITION %										
	AISI	UNS		C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu	Other
1.4016	430	S 43000	EN 10088-3:2014	0.08	1.00	1.00	0.040	0.030	16.00 - 18.00	-	-	-	-	-
			ASTM A 240/03C	0.12	1.00	1.00	0.040	0.030	16.00 - 18.00	-	0.75	-	-	-
1.4113	434	S 43400	EN 10088-3:2014	0.08	1.00	1.00	0.040	0.030	16.00 - 18.00	0.90 - 1.40	-	-	-	-
			ASTM A 240/03C	0.12	1.00	1.00	0.040	0.030	16.00 - 18.00	0.75 - 1.25	-	-	-	-

MARTENSITICS

EURO. NAME	ASTM NAME		STANDARDS	TYPICAL CHEMICAL COMPOSITION %										
	AISI	UNS		C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu	Other
1.4006	410	S 41000	EN 10088-3:2014	0.08 - 0.15	1.00	1.50	0.040	0.030	11.50 - 13.50	-	0.75	-	-	-
			ASTM A 240/03C	0.08 - 0.15	1.00	1.00	0.040	0.030	11.50 - 13.50	-	0.75	-	-	-
1.4028	420	S 42000	EN 10088-3:2014	0.26 - 0.35	1.00	1.50	0.040	0.030	12.00 - 14.00	-	-	-	-	-
1.4122	-	-	EN 10088-3:2014	0.33 - 0.45	1.00	1.50	0.040	0.030	15.50 - 17.50	0.80 - 1.30	1.00	-	-	-

Stainless Steel

Chemical Properties

PRECIPITATION HARDENING

EURO. NAME	ASTM NAME		STANDARDS	TYPICAL CHEMICAL COMPOSITION %										
	AISI	UNS		C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu	Other
1.4542	-	17-4PH	EN 10088-3:2014	0.07	0.70	1.50	0.040	0.030	15.00 - 17.00	0.60	3.00 - 5.00	-	3.0 - 5.0	Nb: 5x C to 0.45
1.4568	-	17-7PH	EN 10088-3:2014	0.09	0.70	1.00	0.040	0.015	16.00 - 18.00	-	6.50 - 7.80	-	-	Al: 0.70 - 1.50

DUPLEX

EURO. NAME	ASTM NAME		STANDARDS	TYPICAL CHEMICAL COMPOSITION %										
	AISI	UNS		C	Si	Mn	P	S	Cr	Mo	Ni	N	Cu	Other
1.4062	2202	S 32202	EN 10088-3: 2014	0.03	1.00	2.00	0.040	0.010	21.5 - 24.0	0.45	1.00 - 2.90	0.16 - 0.28	-	-
1.4462	2205	S 32205	EN 10088-3: 2014	0.03	1.00	2.00	0.035	0.015	21.0 - 23.0	2.50 - 3.50	4.50 - 6.50	0.10 -0.22	-	-
1.4362	2304	S 32304	EN 10088-3: 2014	0.03	1.00	2.00	0.035	0.015	22.0 - 24.0	0.10 - 0.60	3.50 - 5.50	0.05 - 0.20	0.10 - 0.62	-
1.4410	2507	S 32750	EN 10088-3: 2014	0.03	1.00	2.00	0.035	0.015	24.0 - 26.0	3.00 - 4.50	6.0 - 8.0	0.24 - 0.35	-	-
1.4662	(LDX) 2404	S 82441	EN 10088-3: 2014	0.03	0.70	2.50 - 4.00	0.035	0.005	23.0 - 25.0	1.0 -2.0	3.0 - 4.50	0.20 - 0.30	0.10 - 0.80	-
1.4162	(LDX) 2101	S 32101	EN 10088-3: 2014	0.04	1.00	4.00 - 6.00	0.040	0.015	21.0 - 22.0	0.10 - 0.80	1.35 - 1.90	0.20 - 0.25	0.10 - 0.81	-

Stainless Steel

Mechanical Properties

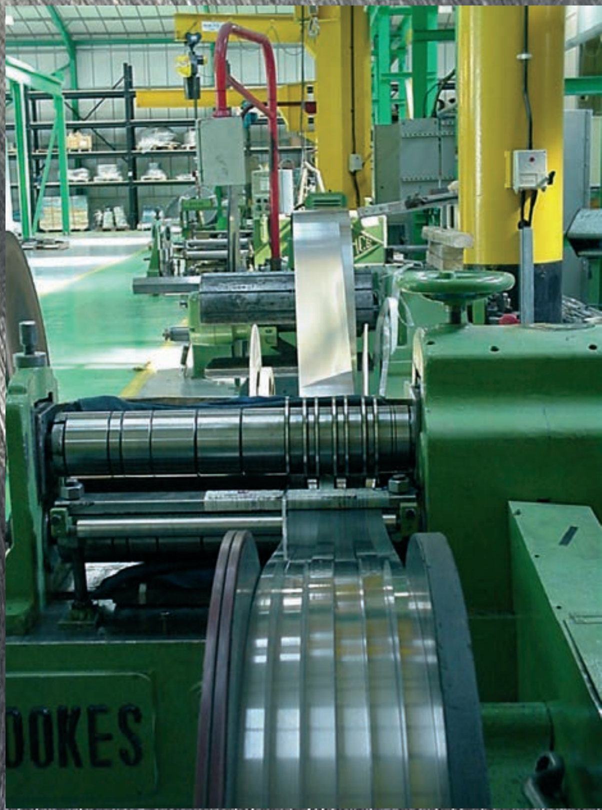
TYPICAL MECHANICAL PROPERTIES							
EUROPEAN NAME	ASTM NAME		Proof Strength 0.2% Min (N/mm2)	Tensile Strength	Elong. % Min. (50mm Gauge Length)	Hardness Max (VPN)	Surface Finish
	AISI	UNS					
AUSTENITICS							
1.4310	301	S 30100	195	500 - 750	40	242	2B & 2R
1.4301	304	S 30400	190	500 - 700	45	226	2B & 2R
1.4307	304L	S 30403	175	500 - 700	45	226	2B & 2R
1.4303	305	S 30500	190	500 - 700	45	226	2B & 2R
1.4833	309 S24	S 30908	210	500 - 700	33	192	2B & 2R
1.4845	310/ 310S	S 31008	210	500 - 700	33	192	2B & 2R
1.4401 1.4436	316	S31600	200	500 - 700	40	226	2B & 2R
1.4404 1.4432	316L	S 31603	200	500 - 700	40	226	2B & 2R
1.4571	320	S 31635	200	500 - 700	40	226	2B & 2R
1.4541	321	S 32100	190	500 - 700	40	226	2B & 2R
1.4550	347	S 34700	205	510 - 740	40	242	2B & 2R
1.4539	904L	N 08904	230	530 - 730	35	242	2B & 2R
FERRITICS							
1.4016	430	S 43000	240	400 - 630	20	200	2B & 2R
1.4113	434	S 43400	280	440 - 660	18	200	2B & 2R
MARTENSITICS							
1.4006	410	S 41000	450	650 - 850	15	231	2B & 2R
1.4028	420	S 42000	650	850 - 1000	10	258	2B & 2R
1.4122	-	-	550	750 - 950	12	280	2B & 2R
PRECIPITATION HARDENING							
1.4542	-	17-4PH	520 - 1000	800 - 1270	10 - 18	380	2R
1.4568	-	17-7PH		max. 850		268	2R
DUPLEX							
1.4062	2202	S 32202	380	650 - 900	30	305	2B & 2R
1.4462	2205	S 32205	450	650 - 880	25	284	2B & 2R
1.4362	2304	S 32304	400	600 - 830	25	274	2B & 2R
1.4410	2507	S 32750	530	730 - 950	25	305	2B & 2R
1.4662	(LDX) 2404	S 82441	450	650 - 900	25	305	2B & 2R
1.4162	(LDX) 2101	S 32101	400	650 - 900	25	305	2B & 2R
*VPN has been converted from the Brinell Hardness Values and are an approximation only							

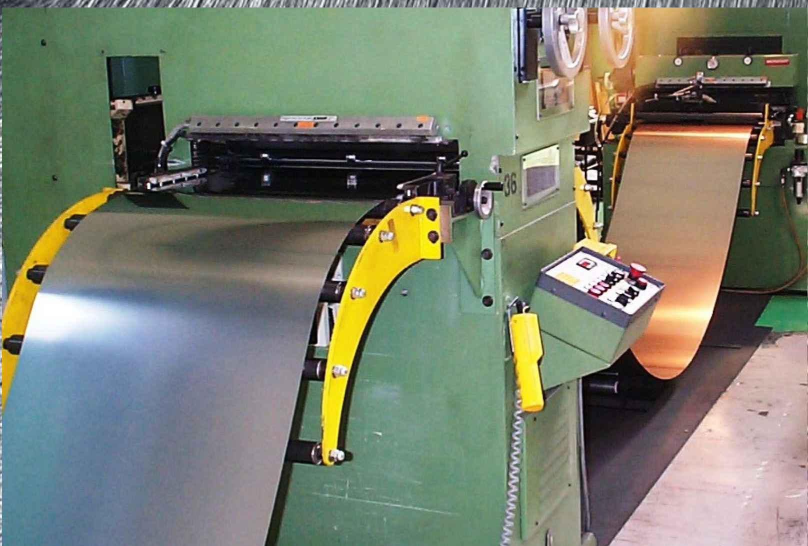
Processing

Your Material Your Way

The Knight Group are industry leaders in the supply and processing of strip, coil and wire, consistently exceeding expectations of quality, service and performance. With a number of accreditations, including ISO 9001 and AS 9120, we are the supplier of choice for global manufacturers where quality, reliability and lean manufacturing at the heart of their priorities. Most manufacturers are facing increasing demands for goods to be delivered with tighter time frames and even tighter margins. By selecting the processing to meet your specific needs, your material can be prepared and delivered to the exact size, length and finish you need, saving valuable production time and costs. Our processing is offered at a comprehensive price and with a flexibility to select only the services you need and want, giving you maximum versatility and minimum cost.

We have invested heavily in our bespoke machinery and training our established team of operators, so that we can offer a truly comprehensive range of processing to complement our extensive range of stocked material





8 Cut To Length Lines
5 Edge Finishing Lines
27 Recoiling Lines
26 Slitting Lines
4 Traverse Winding Lines

Low Width Thickness Ratio 3:1 unique to the industry (normal minimum is 8:1)

Ability to offer Ultrafine Width Tolerances down to +/- 0.025mm (0.001”)
Thicknesses - 0.013mm to 6.5mm

Widths - 0.64mm to 1100mm (.025” to 43”)

Knight Group
Head Office
Linkside, Summit Road
Cranborne Industrial Estate
Potters Bar, Hertfordshire
EN6 3JL United Kingdom
Main Office : +44(0)1707 650251
Fax: +44(0)1707 651238

www.knight-group.co.uk

Knight Strip Metals
Sales, Processing & Warehouse
Saltley Business Park
Cumbria Way,
Saltley
Birmingham
B8 1BH United Kingdom
Telephone: +44 (0)121 322 8400
Fax: +44 (0)121 322 8401
Sales 08456 447 977
(US toll free): 1-800-374-5279

www.ksmdirect.co.uk

Precision Metals EU
Industriezone Mechelen-Noord (D)
Omega Business Park
Wayenborgstraat 25
2800 Mechelen
Belgium
Sales: +32 (0) 15 44 89 89
Fax: +32 (0) 15 44 89 90

KNIGHT GROUP
www.knight-group.co.uk

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