

Helping manufacturers across the globe achieve sustainable leaner manufacturing processes

Aluminium Products

Coil, Foil, Sheet & Wire

Commercially Pure

Aluminium Alloys

Series 1000

Series 2000

Series 3000

Series 4000

Series 5000 Series 6000

Series 7000

Series 8000

Clad Aluminium

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



Company Information

Quality & Approvals

03
Products

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Processing

05
Stock Range



About Us

The Knight Group is a family owned business that has built a reputation for providing the highest quality products and solutions to global manufacturers since 1940. We are now one of the largest Precision Strip Stockholding and Processing facilities in Europe.

Comprised of Knight Strip Metals Ltd (KSM), with production facilities in the UK and Precision Metals EU (PM) in Belgium, the Knight Group is a multi-metal stockist and processor, providing coil, strip and wire across 6 continents.

Our reputation for quality, innovation and reliability, has led to us being the favoured supplier across a wide range of sectors and our continued growth. Whilst we have an impressive existing operation, our commitment to investing in further processing capabilities, expanding our product ranges and developing the expertise of our team, ensures the continued expansion of the Knight Group.

We offer a comprehensive range of precision strip and wire, stocking one of the biggest ranges in Europe, including: Stainless Steel, Nickel Alloys, Titanium Alloys, Aluminium Alloys, Copper Alloys, Mild Steel and Clad and Plated Metals. We have established exclusive agreements with a number of mills to offer specialist and bespoke materials.

Our Key Benefits

Our People

At the heart of any business is people. At the Knight Group we have developed a dedicated team of people with a valued wealth of knowledge and experience within the metals industry. No matter what your metal needs are, our team will provide you with individual customer support and the best customer experience in the industry.

Products

We offer a comprehensive range of precision strip and wire, stocking one of the biggest ranges in Europe. We maintain a stock 2500 individual items of the most popular materials, adapting to suit our customers production needs. With established exclusive agreements with a number of mills to offer specialist and bespoke material, we can source most materials including those outside of our standard range.

Quality

Being able to supply high quality materials, reliably and ethically sourced is key to our business and one of the reasons we are a favoured supplier of manufacturers across the globe. Our materials are fully traceable and Certificates of Conformity can be supplied on request or downloaded from our website.

Extensive Processing Capabilities

We provide bespoke processing services to help reduce our customers costs and manufacturing times. We can supply you with material cut and finished to your specifications and production ready delivered.

Competitive Pricing

We know two of the key factors in purchasing decisions are quality and cost. We have established partnerships with key mills across the globe, and as one of the largest suppliers in Europe, we can negotiate the best price for material, meaning you don't have to compromise quality for cost.

AVAILABLE AS
FOIL, COIL, SHEET AND WIRE
STAINLESS STEEL ALLOYS
TITANIUM ALLOYS
NICKEL ALLOYS
ALUMINIUM ALLOYS
CLAD ALUMINIUM
COPPER ALLOYS
MILD STEEL
CLAD AND PLATED METALS

Global Sourcing and Distribution

Thanks to our global exports network of freight providers, you can choose from air, land or sea freight so you can have your material where you want, when you want. We deliver to over 61 countries around the globe and each year that number grows. We have preferred carriers who can offer short lead times on most products and custom packing solutions to ensure your materials arrive safely and on time, wherever in the world you need them.



"Expertise and Experience Combined"

Our ongoing successful partnerships can be attributed to the specialist knowledge and expertise and the ability to understand customers' materials problems and apply our resources to find the appropriate solution. We continually invest in our sales and purchasing teams, building upon their experience with ongoing training and product knowledge support.

Our focus on developing partnerships with both our customer and supplier base have led to reducing costs and maximising efficiency in both directions, without compromising on quality or lead times. Through working closely together, and using innovation, experience and expertise, allows us to tailor make solutions for your individual needs.

With a diverse global customer base, the Knight Group supply materials to manufacturers across multiple sectors including: Aerospace, Automotive, Construction, Cryogenic, Defence, Energy, Oil and Gas, Telecommunications, Photo and Laser Etching, Medical and Pharmaceutical, Chemical and Precision Engineering.

Our Key Sectors



Automotive



Chemical and Photo Etch



Renewable Energy





Petrochemical, Oil and Gas



Marine



Precision Stamping & Springs



Medical

Our History

ESTABLISHED

E.A. Knight & Sons, started as family metals business in North London, supplying manufactures across the UK.

1940

EXPANSION Adapting to the

1958

of an expanding customer base, the business is relocated to a larger, combined office, warehouse and processing facility in Potters Bar, Hertfordshire

RELOCATION

With new processing technologies and materials available, we expand our range of precision strip metal stock, and move to a purpose built combined warehouse processing and offices facility in

EXPANSION

1975

Precision Metals EU further support and

REDEVELOPMENT

The Potters Bar site is redeveloped to accommodate additional machinery and stock.

ACQUISITION

1999

Knight Group acquired slitting machine manufacturer and metals processing company. Charles Harbage. The increase in capability makes the Knight Group one of the largest independent precision strip processors in Europe

EXPANSION

Our Processing and warehouse facility is relocated to Saltley, accommodating additional stock lines and machinery and our growing team.

2000

Today

EXPANSION

Today we supply over 61 countries. As one of the largest independent Precision Strip and Wire Stock holding and Processing suppliers in Europe, we continue to invest in the skills and expertise of our team, extending out stock range and our facilities.

Potters Bar. growing metal needs

was opened to provide stock holding facilities to

1985

our growing European customer base.



Approvals



Customers purchasing decisions are not driven solely by price, but factor in quality, reliability and increasingly, ethical and environmental concerns. With growing pressures for transparency of practices, the Knight Group are proud to hold multiple approvals and accreditations, granted by national and international authorities, sector manufacturers and agencies. We continue to expand our range of approvals and accreditations in line with the needs of customers.

Our memberships of a number of key institutions, including the British Stainless Steel Association (BSSA), offer further assurance of our commitment to promoting manufacturing, whilst working to the highest standards of quality and integrity. All of our approvals are available to view and download from our website www.knight-group.co.uk

We hold a number of Approvals Including:

British Standard Approvals

- BS EN ISO 9001, 9120 No. FM 02114
- BS EN ISO 9001 No. FM 611455

Customer Approvals

- · Rolls-Royce: Approval No. 01679
- Rolls-Royce Deutchland No. 118990 / 02
- Airbus UK: Approval No.20099 and 228990
- BAE Systems Regional Aircraft: Approval No. RALOA/00254/2
- BAE Systems: Approval No. BAE/AG/20384/MAA Airbus UK: Approval No.20099 and 228990
- Westland Helicopters: Approval No. SQA / V00246
- · Safran DK6000
- Hawker Beachcraft Approval HBIFSAS/PART2/0595
- UTC Aerospace Systems/ HS Marston Aerospace Limited Approval Certificate AS 132
- · Spirit Aero Approval Certificate No: SPIRIT1298
- Meggitt Certificate: MQAG/2012/MCSD/MCSC/D/115

Specialist Accreditations

- EcoVadis Silver Award
- Forestry Commission: Wood Packaging Certificate Number FC1051

For the most up to date list of our approvals and accreditations, please see our website for details.

Quality





Our key objective is to provide our customers complete assurance and satisfaction in the quality of our products and services. We are the favoured supplier of manufacturers across the globe, owing to the reliable quality of the products and services our customers receive and their continued confidence that our competitive cost does not compromise quality.

Our companies work to a Quality Management System, as defined in ISO 9001/9120, and approved by the BSI. We work in partnership with the BSI, who carry out regular audits to ensure compliance with these standards and that we are operating with efficiency and accountability at all times.

Working within the framework of ISO 9001 and ISO 9120, our quality system meets or exceeds the criteria. We review our processes regularly to ensure an efficient and robust process is in place at all times, with necessary support and resources available. All of the Knight Group employees receive regular training to maintain familiarity and adherence to our Quality Management System. The commitment from our employees ensures the supply and processing of all material, meets the standards set. As a result, we are consistently able to comply with customers' demands, delivering quality products and processing.

To facilitate fast turnaround times, we offer in-house tensile, hardness and chemical analysis testing. We can also supply fully traceable records for our materials by request and Certificates of Conformity are issued as standard when materials are supplied. For further assurance of our integrity and longevity, we are long standing members of a number of institutions including the British Stainless Steel Association (BSSA), Institute of Spring Technology (IST), Midlands Aerospace Association (MAA) and the Photo Chemical Machining Institute (PCMI).

The Knight Group at all times complies with statutory and regulatory requirements. Additionally, we conduct our business in strict compliance with all applicable domestic and international legal standards. We strive to ensure business ethics are practiced with particular emphasis on free competition and rejection of any form of corruption.





Aluminium

Aluminium is the third most abundant resource on the planet and is used widely across many manufacturing sectors due to the ease of machining and forming, requiring low energy input making it highly cost efficient and ideally suited for extrusion work, milling, drilling, cutting, punching and bending in large or small volumes.

Though commonly found within the Construction industry, the physical properties of Aluminium and its alloys make it an essential material for Aerospace, Automotive and Transport sectors. Aluminium has further environmental advantages with zero toxicity and is easily recyclable, without losing its integral properties in the process. The low cost combined with material availability, physical properties and ease of formability makes it an ideal choice for large volume production of beverage packaging but also has wider use within food and beverage production.

Aluminium is a lightweight, soft, ductile metal with non-magnetic and corrosion resistant properties. Aluminium has approximately a third of the density of steel, but this does not impact its strength. It is more durable at lower temperatures and unlike steels will not become brittle, but actually becomes stronger at low temperatures, however, heat above 100°C can affect strength.

A range of surface finishes ranging from dull to reflective, also make Aluminium ideal for decorative features and metal products.

ALUMINIUM STOCK RANGE											
COIL STOCK	RANGE	WIRE STOCK RANGE									
Thickness (mm)	Width (mm)	Round	Shaped								
1000 SERIES PURE ALUMINIUM											
0.01 - 3.0	3 - 1000	0.1 – 10.00 mm dia	Upto 45 mm2 area								
2000 SERIES ALUMINIUM COPPER ALLOY											
0.01 - 3.0	3 - 1000	0.1 – 10.0 mm dia	Upto 45 mm2 area								
3000	SERIES ALUMINIU	JM MANGANESE AL	LOY								
0.01 - 3.0	3 - 1000	0.1 – 10.00 mm dia	Upto 45 mm2 area								
5000	SERIES ALUMINIU	JM MAGNESIUM AL	LOY								
0.01 - 3.0	3 - 1000	0.1 – 10.00 mm dia	Upto 45 mm2 area								
6000 SERI	ES ALUMINIUM MA	AGNESIUM + SILICO	N ALLOY								
0.01 - 3.0	3 - 1000	0.1 – 10.00 mm dia	Upto 45 mm2 area								
7	7000 SERIES ALUN	MINIUM ZINC ALLOY									
Р	lease contact us with y	our exact specifications									
Other specifications sup	oplied upon request	Please contact us w	rith your requirements.								





Types



1000 Series
Pure
Aluminium

115 121

Aluminium, offering excellent corrosion resistance, high thermal and electrical conductivity and good formability. 1000 series can also be work hardened, but have relatively low strength.

1000 series are essentially pure

2000 Series Aluminium Copper Alloy

2000 series metals are alloyed with Copper, providing good mechanical properties that can exceed those of Carbon Steel, but are less corrosion resistant than other alloys. 2000 series can be precipitation hardened to increase strength.

3000 Series Aluminium Manganese Alloy 3000 series are alloyed with manganese and are approximately 20% stronger than pure Aluminium (1000 series) and are particularly resistant to pitting corrosion. It can be work hardened to increase strength.

5000 Series Aluminium Magnesium Alloy

5000 series offers moderate to high mechanical strength, anodises well, with good welding characteristics, good corrosion resistance, particularly in marine environments. 5000 series is not work hardenable.



Alloy

Thomas A

6000 series is alloyed with both Magnesium and silicon, offering medium mechanical strength, good formability, weldability and machinability in addition to good corrosion resistance. 6000 series can be work hardened.

7000 Series Aluminium Zinc Alloy

7000 series has exceptionally high mechanical strength and is machinable and work hardenable. However it has poor corrosion resistance compared to other Aluminium alloys.



AVAILABLE GRADES

1000 Series Pure Aluminium

2000 Series Aluminium Copper Alloy

3000 Series Aluminium Manganese Alloy

5000 Series Aluminium Magnesium Alloy

6000 Series Aluminium Magnesium + Silicon Alloy

7000 Series Aluminium Zinc Alloy

We can also supply 8000 series and 4000 series on request.



Aluminium Features

			ALUMINIUM FEATURES		
ALLOY NUMBER	INAIVI		Key Features	Key Markets	Applications
			1000 SERIES (PURE)		
1050	AW-1050	A91050	1050 is a commercially pure Aluminium, which offers high electrical and thermal conductivity alongside excellent corrosion resistance and workability. It is commonly used in the electrical and chemical industries. It has low mechanical strength compared to more significantly alloyed metals. It can be strengthened by cold working, but not by heat treatment. It is the most commonly used Aluminium for general sheet metal work where strength is not essential.	Electrical, Chemical, Universal	Drawn Tube, Chemical Process Plar Equipment, Heat Sinks, General She Metal Work
1050A	AW-1050A	A91050A	1050A provides excellent cold formability, corrosion resistance, very good anodising capability and is easily joined, making it a popular choice for a number of applications. Its reflective aesthetic qualities make it ideally suited for decorative applications. The Chemical composition is similar to Grade 1050, with the addition of Vanadium.	Chemical, Automotive, Food & Beverage, Architectural, Pharmaceutical, Marine, Universal	Chemical Process Plant Equipment Radiator Tubes, Heat Exchangers, Kitchenware, Packaging, Pyrotechni Powder, Architecture Fittings, Reflectors, Cable Sheathing, Automotive Trim, Vessels, Piping, General Sheet Metal Work
1060	AW-1060	A91060	Grade 1060 is very similar to 1050 aluminium alloy, with the difference coming down to 0.1% aluminium by weight. Like other grades in the 1000 series, it has a relatively low mechanical strength, but is noted for having high electrical conductivity, corrosion resistance, excellent welding characteristics and formability. It cannot be hardened by heat treatment.	Electrical, Chemical, Transport, Universal	Universal, Chemical Equipment, Railroad Cars
1070	AW-1070	A91070	Like other alloys in the 1000 series, Grade 1070 is highly resistant to chemical corrosion and has good crack resistance, with a low mechanical strength. It is an excellent brazing alloy and is used for joining other alloys in the 1000 series.	Electrical, Chemical, Construction, Food, Transport, Communication, Universal	General Industrial Components, Electrical Boxes, Heat Exchangers, Construction Materials, Communicati Cables, Refrigeration Cabinets
1070A	AW-1070A	A91070A	Grade 1070A, is similar to Grade 1070, with a variation in the Copper and Zinc content, and no Vanadium. This grade has very good corrosion resistance and workability, high thermal and electrical conductivity. It also offers an attractive appearance with high reflectivity, making in suitable for decorative anodising. As with other 1000 series alloys, it has low mechanical strength.	Chemical, Food & Beverage, Automotive, Packaging, Architectural	Packaging, Heat Exchangers, Insulati Foils, Kitchenware, Chemical and Fo- Industry Equipment, Automotive Trin Reflectors, Architecture Fittings, Pipir
1100	AW-1100	A91100	Grade 1100 is a low strength aluminum alloy with excellent corrosion resistance, high electrical conductivity and thermal conductivity. This grade is best used for welding, brazing and soldering but has poor machinability. It is soft and ductile so is ideal for applications that require intricate forming. Its attractive finishing capabilities make it a great choice for decorative purposes. It can be strengthened by cold working, but not by heat treatment.	Universal, Chemical, Automotive, Food & Beverage, Decorative	General Sheet Metal Work, Spinning Holloware, Food Handling and Storage, Chemical Storage, Processi Equipment, Reflectors, Kitchenware, Heat Exchanger, Dials and Name Plates, Decorative Parts Giftware, Rivets
1145	AW-1145	A91145	Grade 1145 offers high thermal and electrical conductivity and corrosion resistance. It has good forming and welding capabilities, though is more difficult to machine than most of other aluminum alloys. It is a non-heat treatable alloy but can be strengthened by cold working.	Universal	Sheet, Plate, Foil
1200	AW-1200	A91200	Grade 1200 has very good corrosion resistance and workability, with a high thermal conductivity and reflectivity, although this is lower than the more popular Grade 1050A. Grade 1200 also has very good weldability, and comparatively offers slightly higher strength than 1050A.	Universal	Universal Sheet Metal Work, Spinning, Holloware
1230	AW-1230	A91230	Grade1230 offers good corrosion resistance. It can be manufactured into semi-finished or finished products using methods such as forging, welding, rolling, and casting.	Universal	General Sheet Metal Work
1235	AW-1235	A91235	Grade1235 offers good corrosion resistance and high thermal and electrical conductivity. Like others in the 1000 series, it has good forming abilities, but low mechanical strength. It is a non-heat treatable alloy but can be strengthened by cold working.	Universal	General Sheet Metal Work
1350	AW-1350	A91350	Grade 1350 has excellent formability and corrosion resistance. It is the alloy of choice for electrical conductors and for applications where strength is not as important as economics. Grade1350 has a tighter chemistry specification and is therefore often used in place of Grade1050A.	Electrical, Universal	Electrical Conductors, Pins, Rods, Rivets, Wire Form and Clips
			2000 SERIES (ALLOYED WITH COPPE	R)	
2024	AW-2024	A92024	Grade 2024 is a heat treatable alloy, which provides excellent toughness at moderately high strength levels, good fatigue resistance, and improved fracture toughness. It also offers very good machining characteristics. Its strength is slightly higher than 2014(A) and 2017A.Suitable for welding only by resistance welding.	Universal, Aerospace, Defence, Engineering, Transport	Commercial and Military Aircraft, Aircraft Structures and Components General Sheet Metal Work, Machines, Military Equipment, Vehicle Parts, Structural Applications, Rivets

	#729 John			3000 SERIES (ALLOYED WITH MANGANE	(SE)	The state is supplied to the
				· ·		U 15 1 2: 5: 5:
150cg (100cg)	3003	AW-3003	A93003	Grade 3003 is a medium strength alloy with very good corrosion resistance and workability. Its excellent mechanical properties have led wide use throughout industry sectors. It has improved mechanical properties when compared with 1000 series alloys and is 20% stronger than 1100.	Universal, Chemical, Food & Beverage, Decorative	Heat Exchangers, Storage Tanks, Chemical Equipment, Kitchenware and Utensils, Decorative Trim, Roofing and Siding Materials
	3004	AW-3004	A93004	Grade 3004 is similar to the 3003 alloy, except for the addition of approximately 1% magnesium. It offers moderate strength, good workability, and good corrosion resistance, making it good general-purpose alloy. It is a non-heat treatable alloy but can be strengthened by cold working, to produce tempers with a higher strength but a lower ductility. The additional 1% magnesium in grade 3004, contributes in solid solution strengthening, allowing it to be made thinner. This has made it a popular choice for beverage cans and general can stock, replacing its predecessor Grade 3003.	Universal, Food & Beverage, Transport	General Sheet Metal Work, Beverage Cans, Storage Tanks, Pressure Vessels, Vehicle Parts
30.00	3103	AW-3103	A93103	Grade 3103 is medium strength alloy with good corrosion resistance and very good weldability. It is considered a good general-purpose alloy, with properties that are very close to Grade 3003.	Universal	General Sheet Metal Work
0.000	3104	AW-3104	A93104	Grade 3104 like others in the 3000 series is a good general purpose alloy, with medium strength and good corrosion resistance.	Universal, Transport	General Sheet Metal Work, Storage Tanks, Pressure Vessels, Vehicle Parts
r F				4000 SERIES (ALLOYED WITH SILICON	J)	
£.				Available by Request		
I N.				5000 SERIES (ALLOYED WITH MAGNESI	UM)	
					Chemical,	
STATES AND SOUTH OF THE	5005	AW-5005	A95005	Grade 5005 has good corrosion resistance and is hardenable to a significant degree by cold working, enabling a series of "H" tempers. However this remains inferior to the high strengths of corresponding tempers in other alloys such as 5052 or 5083. Tempers H116 and H321 can be used in fresh and salt water.	Decorative, Architectural, Construction, Marine, Food Domestic, Electrical, Appliances	Roofing and Siding Materials, Chemical and Food Processing, Utensils, Storage Tanks, Domestic Appliances, Cladding, Decorative Items, Electrical Conductors, Signage, HVAC Equipment, Packaging, General Sheet Metal Work
高端日子三月	5050	AW-5050	A95050	Grade 5050 has very good corrosion resistance and good workability properties. It is a non-heat treatable alloy but can be strengthened by cold working. In the annealed condition, it offers fair machinability but is improved by cold working. When machining, it is advisable to use proper lubricants.	Domestic Appliances, Construction, Automotive	Refrigerator Trim, Coiled Tubes, Construction Materials
1 3 7 1 W	5052	AW-5052	A95052	Grade 5052 is a high strength alloy with very good resistance to corrosion, especially in marine environments. It has a medium to high fatigue strength, making it suitable for applications that are subject to excessive vibrations. With good weldability and formability characteristics, the alloy can be used in a wide range of applications. It is a non-heat treatable alloy but can be strengthened by cold working. In the annealed condition, it is stronger than Grades 1100 and 3003.	Marine, Architectural, Transport, Food & Beverage, Domestic Appliances, Automotive	Marine Components, Pressure Vessels, Treadplate, Transportation Parts, Heavy Duty Utensils, Food Processing, Hydraulic Systems, Fuel Tanks, Containers, Domestic Appliances, Chemical Equipment, Architecture Fittings, Signage
	5251	AW-5251	A95251	Grade 5251 is suitable for general sheet metal work where higher mechanical properties are required together with a degree of formability. It has a higher strength and extra hardness over pure aluminium grades, which allows for improved machinability. It is a non-heat treatable alloy, but can be strengthened by cold working.	Chemical, Universal, Marine, Pharmaceutical, Architectural, Packaging, Domestic Appliances	Marine Components, Heat Exchangers, Higher Strength Sheet Metal Work, Packaging, Panelling, Welded Structures, Cabinets, Domestic Appliances, Pressure Vessels
WITCH STATE	5754	AW-5754	A95754	Grade 5754 has excellent weldability and very good workability, with has higher strength properties compared to Grade 5251. It is a popular choice for corrosive environments as it offers extremely good resistance to both seawater corrosion and chemical corrosion.	Marine, Oil & Gas, Chemical, Nuclear, Food, Automotive	Shipbuilding, Food Processing, Treadplate, Vehicle Bodies, Fishing Industry Equipment, Welded Chemical and Nuclear Structures
1				6000 SERIES (ALLOYED WITH MAGNESIUM &	SILICON)	
報は 公司を行う といい	6061	AW-6061	A96061	Grade 6061is a medium to high strength with very good corrosion resistance and medium fatigue strength. It is heat-treatable and considered to be the most versatile of the heat-treatable alloys. It is commonly used in heavy duty structures. In the annealed condition, it offers excellent weldability and formability, and is readily disposed to furnace brazing.	Marine, Aerospace, Transport, Construction, Energy	Shipbuilding, Motorboats, Aircraft Structures, Vehicle Bodies, Pylons and Towers, Railroad Cars, Vehicle Bodies, Bridges, Piping, Pylons, Transportation Parts, Boilers, Rivets
では特別を経される。まというは、自然	6082	AW-6082	A96082	Grade 6082 has the highest strength of all the 6000 series alloys, offering excellent corrosion resistance and good machinability and medium high fatigue strength. 6082 is considered a structural alloy, and is commonly used in high stressed applications, such as trusses, cranes and bridges. It has replaced 6061 in many applications. The extruded finish is not as smooth and therefore not as aesthetically pleasing as other alloys in the 6000 series. It can be heat treated or cold formed.	Marine, Transport, Energy, Defence, Construction, Food & Beverage,	Roofing and Siding Materials, Heavy Duty Structures In Railroad Cars, Vehicle Bodies, Shipbuilding, Offshore, Bridges, Military, Bicycles, Boilers, Flanges, Hydraulic Systems, Mining Equipment, Pylons and Towers, Motorboats, Nuclear Technology, Piping, Rivets
200				7000 SERIES (ALLOYED WITH ZINC)		
有法律的理解的 形態力	7072	W-7072	A97072	Grade 7072 is used for high-strength structures, primarily in aircraft, as it offers exceptionally high mechanical strength and is machinable and work hardenable. Whilst it is still a versatile alloy, it has poor corrosion resistance compared to other Aluminium alloys. This grade is also use for cladding other Aluminium alloys. This grade is distinct from other 7000 series alloys, which are alloyed with magnesium for strengthening.	Aerospace, Decorative, Marine	Storage, Heat Exchangers, Pressure Vessels, Decorative Items, Golf Heads, Tooling, Jigs, Machinery, High-End Aluminum Bike Frame.
				8000 SERIES (ALLOYED WITH OTHER		
のはは、100円 元 日本語	8011	AW-8011 AW-8111	A98011 A9811	8000 series alloys have high formability, with deep drawing formability standing out the most. Additional alloying elements include Iron, nickel, which are used to increase strength without significant loss in electrical conductivity. Like other Aluminium alloys, it offers excellent corrosion resistance.	Aerospace, Marine, Food & Beverage, Automotive, Packaging, Decorative	Heat Exchangers, Packaging, Vehicles, Shipbuilding, Insulation Materials, Decorative Items
Eig	Control of the last	A CONTRACTOR				



Aluminium Chemical Properties

				JMINIUN									
ASTM TYPICAL CHEMICAL COMPOSITION % ALLOY EURO. NUMBER NAME													
NOMBER	NAME	UNS	Al	Cr	Cu	Fe	Mg	Mn	Si	Ti	V	Z	Others
				1	1000 SER	IES (PUF	RE)						
1050	AW-1050	A91050	Balance	-	0.05	0.04	0.050	0.05	0.25	0.03	0.05	0.05	-
1050A	AW-1050A	A91050A	99.50	-	0.05	0.04	0.050	0.05	0.25	0.05	-	0.07	0.03
1060	AW-1060	A91060	99.60	-	0.05	0.35	0.030	0.03	0.25	0.03	0.05	0.05	0.03
1070	AW-1070	A91070	99.70	-	0.04	0.25	0.030	0.03	0.20	0.03	0.05	0.04	0.03
1070A	AW-1070A	A91070A	99.70	-	0.03	0.25	0.030	0.03	0.20	0.03	-	0.07	0.03
1100	AW-1100	A91100	99.00	-	0.05 - 0.20	Si+Fe	-	0.05	0.95	-	-	0.10	0.05
1145	AW-1145	A91145	99.45	-	0.05	Si+Fe	-	0.05	0.55	-	-	-	0.03
1200	AW-1200	A91200	99.00	-	0.05	Si+Fe	-	0.05	1.00	0.05	-	0.10	0.05
1230	AW-1230	A91230	99.30	-	0.10	Si+Fe	0.05	0.05	0.70	0.05	0.05	0.10	0.03
1235	AW-1235	A91235	99.35	-	0.05	Si+Fe	0.05	0.05	0.65	0,06	0.05	0.10	0.03
1350	AW-1350	A91350	99.50	0.01	0.05	0.4	-	0.01	0.10	-	-	0.05	0.10
			20	000 SERI	ES (ALLC	YED WIT	ГН СОРР	PER)					
2024	AW-2024	A92024	Balance	0.10	3.80 - 4.90	0.5	1.2 - 1.8	0.30 - 0.90	0.50	0.15	-	0.25	0.05
			3000	SERIES	(ALLOY	ED WITH	MANGA	NESE)					
3003	AW-3003	A93003	Balance	-	0.20	0.70	-	1.00 - 1.50	0.60	-	-	0.10	0.05
3004	AW-3004	A93004	Balance	-	0.25	0.70	0.80 - 1.30	1.00 - 1.50	0.30	-	-	0.25	0.05
3103	AW-3103	A93103	Balance	0.10	0.10	0.70	0.30	0.90 - 1.50	0.50	-	-	0.20	0.05
3104	AW-3104	A93104	Balance	-	0.05 - 0.25	0.80	0.80 - 1.30	0.8 - 1.40	0.60	0.1	0.05	0.25	Ga: 0.0 0.05 oth
			4	000 SERI	ES (ALLO	OYED WI	TH SILIC	ON)					
					Available	on Request							
			500	0 SERIES	S (ALLOY	ED WITH	MAGNE	SILIM)					
5005	AW-5005	A95005	Balance	0.10	0.20	0.70	0.50 - 1.10	0.20	0.30			0.25	0.05
5050	AW-5050	A95050	Balance	0.10	0.20	0.70	1.10 - 1.80	0.10	0.40	_	_	0.25	0.05
5052	AW-5052	A95052	Balance	0.15 - 0.35	0.10	Si+Fe	2.20 - 2.80	0.10	0.45	-	-	0.10	0.05
5251	AW-5251	A95251	Balance	0.15	0.15	0.50	1.70 - 2.40	0.10 - 0.50	0.40	0.15	-	0.15	0.05
5754	AW-5754	A95754	Balance	0.30	0.10	0.40	2.60 - 3.60	0.50	0.40	0.15	_	0.20	0.05
				IES (ALL									,,,,
6061	AW-6061	A96061	Balance	0.04 - 0.35		0.70	0.80 - 1.20	0.15	0.40 - 0.80	0.15	_	0.25	0.05
6082	AW-6081	A96081		0.04 - 0.35	0.15 - 0.40	0.70			0.40 - 0.80	0.15	-	0.25	0.05
0002	AVV-0U82	A90082	Balance		RIES (AL	ļ.	0.60 - 1.20		0.70 - 1.30	U. I		0.20	0.05
7072	W-7072	A97072	Balance	TOUC SE	0.10	Si+Fe	0.10	0.10	0.7	_		0.8 - 1.3	0.05
1012	VV-1012			8000 SER					0.7			0.0 - 1.3	0.05
				SER	ILS (ALL	OTED WI		_n <i>)</i>					
8011	AW-8011	A98011	97.3 - 98.9	0.05	0.10	0.60 - 1.00	0.05	0.20	0.50 - 0.90	0.08	-	0.10	0.05
8111	AW-8111	A9811	Balance	0.05	0.10	0.40 - 1.00	0.05	0.05	0.30 - 1.10	0.08	-	0.10	0.05 ea Total 0.
· · · ·													

Aluminium Mechanical Properties



	ALUMINIUM MECHANICAL PROPERTIES												
了 医侧线性	ALLOY NUMBER	EURO. NAME	ASTM NAME UNS	Proof Strength 0.2% Min (N/mm2)	Tensile Strength	Elong. % Min. (50mm Gauge Length)	Hardness Max (VPN)	Tempers Available					
	1000 SERIES (PURE)												
	1050	AW-1050	A91050			Mechanical Prop	perties available on	request					
	1050A	AW-1050A	A91050A	20 min	65-95	20 min	20HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26, H28					
7# 589	1060	AW-1060	A91060			Mechanical Prop	erties available on	request					
12	1070	AW-1070	A91070			Mechanical Prop	perties available on	request					
Sea	1070A	AW-1070A	A91070A	15 min	60-90	23 min	18HBW	0, H111, H112, H12, H14, H16, H18, H22, H24, H26					
en e	1100	AW-1100	A91100			Mechanical Prop	perties available on	request					
12	1145	AW-1145	A91145			Mechanical Prop	oerties available on	request					
	1200	AW-1200	A91200	25 min	75-105	19 min	23HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26					
	1230	AW-1230	A91230			Mechanical Prop	perties available on	request					
	1235	AW-1235	A91235			Mechanical Prop	perties available on						
	1350	AW-1350	A91350	20 min	65-95	20 min	20HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26, H28					
0				2000 SE	RIES (ALLOY	ED WITH CO	PPER)						
12.0	2024	AW-2024	A92024	140 max	220 max	12 min	55HBW	0, T4, T3, T351, T42, T8, T851, T62					
	3000 SERIES (ALLOYED WITH MANGANESE)												
	3003	AW-3003	A93003	35 min	95-135	15 min	28HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26, H28					
	3004	AW-3004	A93004	60 min	155-200	13 min	45HBW	0, H111, H12, H14, H16, H18, H19, H22, H24, H26, H28, H32, H34, H36, H38					
	3103	AW-3103	A93103	35 min	90-130	17 min	27HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26, H28					
	3104	AW-3104	A93104			Mechanical Prop	perties available on	request					
				4000 SE	RIES (ALLO)	ED WITH SIL	LICON)						
Per al					Available or	n Request							
				5000 SERI	ES (ALLOYE	D WITH MAG	NESIUM)						
N. 74 110 (8) 100 (8)	5005	AW-5005	A95005	35 min	100-145	15 min	29HBW	0, H111, H112, H12, H14, H16, H18, H19, H22, H24, H26, H28, H32, H34, H36, H38					
の数は	5050	AW-5050	A95050	45 min	130-170	16 min	36HBW	0, H111, H112, H12, H14, H16, H18, H22, H24, H26, H28, H32, H34, H36, H38					
100	5052	AW-5052	A95052	65 min	170-215	12 min	47HBW	0, H111, H112, H12, H14, H16, H18, H22, H24, H26, H28, H32, H34, H36, H38					
10 X	5251	AW-5251	A95251	60 min	160-200	13 min	44HBW	0, H111, H12, H14, H16, H18, H22, H24, H26, H28, H32, H34, H36, H38					
oris mess Nga	5754	AW-5754	A95754	80 min	190-240	12 min	52HBW	0, H111, H112, H12, H14, H16, H18, H22, H24, H26, H28, H32, H34, H36, H38					
in the			600	0 SERIES (AI	LLOYED WIT	H MAGNESI	JM & SILICO	N)					
半	6061	AW-6061	A96061	85 max	150 max	14 min	40HBW	0, T4, T451, T42, T6,T651, T62					
在新疆縣群構得有法	6082	AW-6082	A96082	85 max	150 max	14 min	40HBW	0, T4, T451, T42, T6,T651, T62, T61, T6151					
				7000 S	ERIES (ALL	OYED WITH Z	ZINC)						
	7072	W-7072	A97072			Mechanical Prop	oerties available on	request					
				8000 SE	RIES (ALLO	YED WITH O	THER)						
1	8011	AW-8011	A98011			Mechanical Prop	perties available on	request					
75	8111	AW-8111	A9811		Mechanical Properties available on request								



Clad Products

Clad Metals are created when two or more metals are joined together through a laminating process. Clad products are ideal when a product requires material characteristics and properties that cannot be found in a single metal. By combining metals, the superior properties for layer, such as strength, corrosion resistance, thermal and electric conductivity, weight, surface finish, availability, cost, even material availability, clad material can create the exact blend of properties needed. Aluminium is commonly used as a base or inlay layer material, however there is an extensive array of combinations possible using other metals, including Stainless Steel, Copper and Nickel Alloys.

As a result, Clad Metals offer designers, engineers and manufactures the freedom to create new solutions with targeted properties for even the most unique design challenges. This makes Clad Metals an ideal material of choice for a number of sectors including Petrochemical, Oil and Gas, Construction, Aerospace, Telecommunications, Domestic Appliances, Electronics, Medical and Defence.



		CLAD ALUMI	NIUM RAN	GE		
Base Material	Cladding Material	Cladding Thickness	Thickness (mm)	Width (mm)	Temper	
0000	4004, 4045, 4343, 7072	2.5% ± 1% 3% ± 19% 4% ± 19 5% ± 1% 6.5% ± 1.5% 7.5% ± 1.5%	0.30 - 3.00	900 - 1350	F, O, H111, H14, H16, H18, H22, H24, H26, H28	
3003	(on one or both sides)	10% ± 2% 12% ± 2% 13% ± 2% 14% ± 2.5% 14% ± 3.5% 15% ± 2.5% 15% ± 3%	3.10 - 6.00	900 - 1350	F, O, H111, H12, H22, H24	
	Ot	her specifications a	vailable upon i	eguest.		



CLAD METALS: PUSHING THE FRONTIERS OF MANUFACTURING & DESIGN THROUGH INNOVATIVE MATERIAL SOLUTIONS

CLAD METAL RANGE											
Base Material (Substrate)	Inlay Material	Substrate Thickness	Substrate Width	Inlay Depth							
Aluminium Alloys Copper Alloys Bronze Nickel Alloys Stainless Steel Alloys	Aluminium Alloys Copper Alloys Stainless Steel Alloys Nickel Alloys	0.05 mm - 2.54 mm (0.002" - 0.100")	Bis zu 7.00"	2-40% of the total thickness from 2.54 mm (0.100")							

Other material combinations are available upon request, including Titanium and Magnesium. Please contact our Sales Team with your requirements.

Popular Configurations

STAINLESS STEEL CLAD ALUMINIUM

STAINLESS STEEL

ALUMINIUM STAINLESS STEEL STAINLESS STEEL
ALUMINIUM

Typical Materials include: Aluminium Alloy: 1100, Alloy 502 Stainless Steel: 301, 304, 430

ALMOST ANY COMBINATION IS POSSIBLE

COPPER CLAD STAINLESS STEEL

COPPER

STAINLESS STEEL

COPPER

COPPER STAINLESS STEEL

COPPER
STAINLESS STEEL

Typical Materials include: Copper: C1100 (C101), C10200, C12200 (C106) Stainless Steel: 301, 304, 430 Contact our knowledgeable sales team with your clad metal requirements and let us find the best solution for you

COPPER CLAD ALUMINIUM

COPPER

ALUMINIUM

COPPER

ALUMINIUM

ALUMINIUM

COPPER

ALUMINIUM

COPPER

ALUMINIUM

NICKEL ALLOY

Typical Materials include: Copper: C1100 (C101), C10200 Aluminium Alloy: 1100, Alloy 502

NICKEL CLAD

COPPER

STAINLESS STEEL

NICKEL ALLOY

NICKEL ALLOY
STAINLESS STEEL

NICKEL ALLOY

NICKEL ALLOY

STAINLESS STEEL

LOY ALUMINIUM

ALUMINIUM

ALUMINIUM

NICKEL ALLOY

NICKEL ALLOY

STAINLESS STEEL

COPPER

STAINLESS STEEL

NICKEL ALLOY

Typical Materials include: Nickel Alloy: 201 Copper: C1100 (C101), C10200 Aluminium Alloy: 1100, Alloy 502 Stainless Steel: 301, 304, 430





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 BS EN ISO 9001 and BS EN 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



Reduced Machine Downtime

Longer Production Runs

Reduced Storage and Scrap

Safer Material Handling

Reduced Production Time and Costs

TRAVERSE WINDING LINES

5 EDGE FINISHING LINES

8 CUT TO LENGTH LINES

27 RECOILING LINES

26 SLITTING 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 (0.0005" to 0.26")

Widths 0.64mm to 1100mm (0.025" to 43")

Packaging



BESPOKE PACKAGING

If you need bespoke material sizes and processing, then you probably want bespoke packaging as well. Thanks to our in house packaging design team, we can offer bespoke packaging solutions to protect your materials in transit. Whatever processing and finishing options you have chosen, your products will packaged to arrive safely and ready to use

You can choose to have strip material as pancake coils, traverse wound coil, flat blanks and sheets. Wire can be supplied as cut lengths, coils, formers or spools to suit your needs.









CHOOSE FROM OUR TRUSTED PARTNERS OR YOUR PREFERRED CARRIER

We firmly believe that all of our customers should be able to have your material, your way. Thanks to our global network of freight providers, you can choose from air, land or sea freight so you can have your material where you want, when you want.

There is also the option to arrange your own collection from our site in Birmingham, which can be organised through our sales team.



Standard Stock

WE ARE DRIVEN TO CONTINUE BUILDING A BETTER BUSINESS, BY WORKING CLOSELY WITH OUR CUSTOMERS TO GROW THEIRS.

Our materials and processing are carefully chosen to meet the exacting needs of manufacturers around the globe. We work alongside our suppliers to ensure we are at the forefront of material innovation, ensuring the availability of the highest quality material with the most competitive pricing. With over 2500 items in stock and sourcing of an extensive range or alloy grades, you can have your material, your way.

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

	Standard Stock Range												
WE S	WE STOCK IN EXCESS OF 2500 ITEMS, AVAILABLE AS CUT LENGTHS/ STRAIGHTENED, COILS, FORMERS OR SPOOLS Material Stainless Steel Mild Steel												
Material Stainless Steel											Mild Steel		
Ten	nper	ANNEALED HARD ROLLED								HARD ROLLED			
	opean orm			EN 1008	8-2:2005			EN 101	51:2002		EN 10139:1998		
	kness ances			EN ISO 944	5-1:2010(P) (Thickness X* not w	vithin prec	ision range)		EN10140:2006 (precision) C		
NO O	European Spec.	1.45 BS S		1.4- 1.4-		1.4307 1.4301		310 1300		301 1300	DC01 C590		
DESCRIPTION	AISI	32	21	316/	316L	304L/304	3	01	3	04	-		
ESCF	AMS	55	10	55	07	5511/5513	55	519	59)13	-		
	ASTM	A-2	240	A-240, A-266 A-240, A-266		A-240, A-266	A-666		A-666		-		
TUICKNE	-SS (mm)					WIDTH	H (mm)						
THICKNE	ESS (mm)	610	980	305	610	610	305	610	305	610	610		
0.0	025						/ *		√	1			
0.	.05	/ *		✓	✓	✓	✓	✓	✓	✓	✓		
0.0	076	✓	✓		✓	✓	✓		✓	✓	✓		
0.	.08	/ *	√ *	✓							✓		
0).1	✓	✓		✓	/ *		✓	✓	✓	✓		
0.1	127	✓	✓		✓	✓			✓	✓	✓		
0.	.15	✓	✓		✓	✓		✓	✓	✓	✓		
0.	.18		√								√		
0).2	✓			✓	✓		✓	✓	✓	✓		
0.	.25	✓	√		√	✓			✓	✓	✓		
0).3	✓			✓	✓		✓	✓	✓	✓		
0.	.38	✓						√			✓		
0.	.39				✓	✓	✓	✓	✓	✓			
0.	.45	✓				✓							
0).5	✓			✓	✓	✓	✓	✓	✓	✓		
0).6							✓	✓	✓			
0).7						✓		✓	✓			
0	.8						✓		✓	✓			
).9								✓	✓			
	1						✓	✓	✓	✓	✓		
1	.2						✓		✓				
1	.5						✓	✓	✓				

Product Range



	RANGE CAN BE SUF	PPLIED AS CUT LENG	GTHS/ STRA	IGHTENED,	COILS, FO	RMERS OF	R SPOOLS	
	OTHER GRADES AND	SPECIFICATIONS AVAILAB	BLE, PLEASE C	ONTACT OUR S	SALES TEAM	WITH YOUR R	EQUEST	
	TYPE	CDADEC AVAILABLE	COIL S	TANDARD R	ANGE		OUND AND PROFILE E STANDARD RANGE	
	ITPE	GRADES AVAILABLE	Tempers Available	Thickness (mm)	Width (mm)	Tempers Available	Specifications and Forms	
STAINLESS STEEL		201, 301, 304L, 304, 305,	Annealed	0.01 - 2.5	3 - 1250		Round Wire 0.1 to 10.00mm dia*	
	AUSTENITIC	320, 321, 347, 316, 316L, 316Ti, 904L	All Other Tempers	0.01 - 2.0	3 - 1250		Profile Wire Upto 45mm2 area For cold worked condition, please contact us with your	
		410S, 430, 430L, 430Ti	Annealed	0.05 - 2.0	3 - 650	Annealed	requirements.	
S SS	FERRITIC	(439), 441, 444	All Other Tempers	0.05 - 1.6	3 - 450	Light Drawn Hard Drawn	Coils from 1kg to 1000kgs Formers from 500kgs to 1000kgs	
Ë	MARTENSITIC	410, 420, 431	Annealed	0.127 - 2.50	3 - 450	Specified	Spools - Wide Range Available	
AIN		47/4DLL 47/7DLL	Annealed	0.02 - 1.5	3 - 620	Tensile	Cut Lengths/ Straightened from 10mm to 4m *	
S	PRECIPITATION HARDENING	17/4PH, 17/7PH	Condition 'C'	0.025 - 1.0	3 - 620		*Duplex Round Wire 0.8 – 8.00mm dia*	
	HEAT RESISTING STEELS	309, 310	All Tempers Available	0.025 - 3.0	3 - 1000		Cut Lengths/ Straightened from 10mm to 10m	
MU	ALPHA	Grade 1, Grade 2, Grade 3, Grade 4				Annealed (soft) 1/8 Hard	Round Wire 0.1 to 10.00mm dia Profile Wire Upto 45mm2 area	
TITANIUM	ALPHA/BETA	Grade 5 (Ti 6Al-4V) Grade 9 (Ti 3Al 2.5V)	All Tempers Available	0.025 - 3.00	3 - 1000	1/4 Hard 1/2 Hard Hard	Coils from 1kg to 1000kgs Formers from 500kgs to 1000kgs Spools - Wide Range Available	
	ВЕТА	21S				Spring Hard	Cut Lengths from 10mm to 10m	
	COMMERCIALLY PURE NICKELS	200, 201		0.025 - 2.5				
۲S	NICKEL-COPPER ALLOYS	400	All Tempers Available				Round Wire 0.1 to 10.00 mm dia	
NICKEL ALLOYS	NICKEL-CHROMIUM & NICKEL-CHROMIUM-IRON ALLOYS	alloy K500, alloy X, C22, alloy C2000, alloy 600, alloy 601, alloy 625, alloy C 276, alloy 718, alloy X750			2 - 1000	Annealed Spring Hard	Upto 45 mm2 area Coils from 0.5 kg to 1000kgs Formers from 500kgs to 1000kgs Spools - Wide Range Available Cut Lengths/ Straightened	
Ĭ	IRON-NICKEL-CHROMIUM ALLOYS	alloy 800, alloy 825					from 10mm to 10mm	
	CONTROLLED EXPANSION ALLOYS	29/18			3 - 610			
	PURE ALUMINIUM	1000 SERIES				Annealed	Round Wire 0.1 to 10.0 mm dia Upto 45mm2 area Coils from 1kg to 1000kgs Formers from 500kgs to 1000kg	
	ALUMINIUM COPPER ALLOY	2000 SERIES		0.01 - 3.0	3 - 1000	(soft)		
∑	ALUMINIUM MANGANESE ALLOY	3000 SERIES			Sheet up to	1/8 Hard 1/4 Hard 1/2 Hard Hard		
UMINIUM	ALUMINIUM MAGNESIUM ALLOY	5000 SERIES	All Tempers Available	0.01 - 1.5	2000mm		Spools - Wide Range Available	
ALUI	ALUMINIUM MAGNESIUM + SILICON ALLOY	6000 SERIES	Available	0.01 - 3.0		Spring Hard	Cut Lengths/ Straightened from 10 mm to 10m	
	ALUMINIUM ZINC ALLOY	7000 SERIES			Please cor	contact us with your requirements		
	CLAD ALUMINIUM	n/a			Please cor	tact us with yo	ur requirements	
ಪ	COMMERCIALLY PURE HIGH CONDUCTIVITY COPPER	C101, C102, C103, C106				Annealed	Round Wire 0.1 to 10.00 mm dia	
AS:	BRASS	CZ106, CZ107, CZ108				(soft)	Upto 45 mm2 area	
, BF SNZ	PHOSPHOR BRASS	PB102, PB103	All Tempers Available	0.01 - 3.0	3 - 1220	1/8 Hard 1/4 Hard	Coils from 1kg to 1000kgs Formers from 500kgs to 1000kgs	
COPPER, BRASS & BRONZE	NICKEL SILVERS CUPRONICKEL & HIGH COPPER CONTENT ALLOYS	NS103, NS104, NS106, NS107, C72500	Available			1/2 Hard Hard Spring Hard	Spools - Wide Range Available Cut Lengths/ Straightened from 10mm to 4m	
ပ	COPPER BERYLLIUM ALLOYS	CB101						
SON	LOW CARBON STEEL	DC01, DC03, DC04, DC05, DC06	Annealed All Other	0.01 - 3.0 0.01 - 2.0	3 - 1220 3 - 1000	Annealed (soft)	Round Wire 0.1 to 10.00 mm dia Upto 45 mm2 area	
ARE EL			Tempers	0.05 - 3.0	3 - 650	1/8 Hard	Coils from 1kg to 1000kgs	
MILD & CARBON STEEL	HIGH CARBON STEEL	C55S, C60S, C67S, C75S, C85S, C90S, C100S, C125S, 48Si7,	Annealed All Other Tempers	0.05 - 3.0		1/4 Hard 1/2 Hard Hard	Formers from 500kgs to 1000kgs Spools - Wide Range Available	
MIL		56Si7, 51CrV4, 80CrV2, 75Ni8, 125Cr2, 102Cr6	Hardened & Tempered	0.127 - 3.0	3 - 610	Spring Hard	Cut Lengths/ Straightened from 10mm to 10m	

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www.knight-group.co.uk

