

Goodfellow

Serving The Needs of Science and Industry Worldwide

Au service de la Science et de l'Industrie dans le monde entier

Weltweiter Lieferant für Wissenschaft und Industrie

Metals and Alloys
Métaux et Alliages
Metalle und Legierungen

Ceramics
Céramiques
Keramiken

Polymers
Polymères
Polymere

Composites
Composites
Verbundwerkstoffe



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Standard Price List for Titanium

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Introduction

Goodfellow is well known as a specialist supplier of small to medium size quantities of metals, alloys, ceramics, polymers and other materials to meet the research, development and specialist production requirements of science and industry worldwide. We realise that "small" means different things to different people, but we consider small to mean any quantity from a few grammes to a few kilos.

Goodfellow offers two distinct services to meet the requirements of our customers:

- The first meets the needs of our customers who need small quantities of products from our standard range of materials within 24-48 hours.
- The second service is for those who require larger quantities or further processing of our standard products or who need an item which falls within our general area of supply expertise.

The range of materials offered by Goodfellow is extensive, as are the forms in which the various products are available. This Catalogue provides a detailed overview of our standard products which are available from stock. Full details of all of these items, including prices and technical information, can be found in our web Catalogue at www.goodfellow.com.

Materials

Metals and Alloys

Goodfellow supplies virtually all of the pure metals from Aluminium to Zirconium as well as a comprehensive range of alloys. Most are available in a variety of forms, including rod, wire and foil. The Catalog details those materials which are available as standard products from stock. Custom-made items are also available, so please contact us if you are unable to identify the item you require.

Ceramics

The ceramic materials offered by Goodfellow have been carefully chosen, and include both the established as well as more recently developed products. All are available as either standard or custom-made products in a variety of forms and sizes. The Catalog details those items which are

available from stock. For ceramic components made to customer drawings, our Ceramic and Glass Division would be delighted to help. Please visit www.goodfellow-ceramics.com for further information.

Polymers

The range of polymers supplied by Goodfellow is broad and includes both the familiar as well as some of the more unusual or recently developed materials. The Catalog details those items which are available from stock; please contact us if you are unable to find the item you specifically require.

Compounds & Intermetallics

Goodfellow can supply aluminides, borides and silicides as well as other intermetallics and compounds. The majority of these items are made to order and the Catalog details those which are available. Please contact us with details of your requirements.

Composites

Some examples of these materials are listed in the Catalog. As some of these are manufactured on a custom-made basis, please contact us with details of your requirements.

Glasses

Goodfellow offers two distinct types of glass products. The first are generally silica-based and transparent. Generally, these products are made to order for customers, so we do not list them in our Catalog, however, they are available through the Goodfellow Ceramic and Glass Division. Please contact us with your requirements.

The second type of glass product is commonly referred to as "metallic glasses" or "glassy metals". In contrast to crystalline metals and alloys with highly ordered atomic structures, these are non-crystalline (amorphous) metals or, more usually, alloys. Our Catalogue details those glassy metals which are available from stock; please contact us if you are unable to find the item you specifically require.

Product Descriptions



Bar

A straight length of rectangular, square or oval section material.

Tolerances

Section dimensions:	≤ 10mm	± 10%
	> 10mm	± 1mm
Length:	< 100mm	± 1mm
	≥ 100mm	+ 5% / - 1%



Bolt

A threaded pin that can be screwed into a nut or a tapped hole to fasten items together. Bolts are available with different head styles and also in metric and inch-threaded sizes.

Tolerances

Ceramics: ANSI B18.6.7M-1985



Chopped Fibre

Fibres cut into short lengths called cut, staple or chopped fibre.

Tolerances

Fibre diameter:	± 25%
Number of strands:	± 10%
Tex number:	± 10%
Length:	+ 5% / - 1%



Crucible

A vessel in which other materials may be heated or melted, usually at high temperatures.

Tolerances

Height:	± 10%
Inside Dimensions:	± 10%
Outside Dimensions:	± 10%



Fabric

Woven fabrics are made by the regular interlacing of two arrays of yarns at right angles to each other, these being referred to as the warp and weft (see also Non-woven fabric).

Tolerances

Fabric thickness:	± 25%
Number of yarns:	± 10%
Tex number:	± 10%
Size (linear dimension):	< 100mm ± 5mm
	≥ 100mm ± 5%



Fibre

Yarns or tows consisting of several approximately parallel individual filaments, each filament usually being smaller in diameter than a monofilament. Yarns contain a defined number of filaments, typically three to several hundred; tows contain thousands of filaments whose number is only defined approximately. Both are primarily specified by their linear density measured in "tex", the weight in grams of a 1km length of material.

Tolerances

Fibre diameter:	± 25%
Number of strands:	± 10%
Tex number:	± 10%
Length:	+ 5% / - 1%



Film

A non-metallic sheet material with a thickness < 0.5mm.

Tolerances

Thickness:	± 20%
Size (linear dimension):	< 100mm ± 1mm
	≥ 100mm + 2% / - 1%



Flake

Flat, irregularly shaped pieces of material. A maximum flake size is indicated but individual flakes may vary greatly in size.

Tolerances

Dimensions shown are nominal

Product Descriptions



Foam

A low density, permeable structure of cells and continuous ligaments offering a high surface area to volume ratio, and also a high strength to weight ratio. Owing to the nature of this material, dimensions are nominal.



Foil

Thin sheets of pure metal and metal alloys. Due to their fragile nature, some foils are coated on one side with an acrylic or polyester support. Where foils are supported they are indicated in the detailed item description.

Tolerances

Thickness: < 0.010mm ± 25%
 0.01-0.05mm ± 15%
 > 0.050mm ± 10%
 Size (linear dimension): < 100mm ± 1mm
 ≥ 100mm + 2% / -1%



Granule

Pellets of an approximately regular shape. Granules may vary in size and, therefore, the dimensions stated are nominal. In addition, the shape of a granule may vary from item to item.

Tolerances

Dimensions shown are nominal



Honeycomb

A cellular structure similar in appearance to natural honeycomb. Owing to the nature of this material, dimensions are nominal.

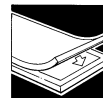


Insulated Wire

A single or multiple flexible strand of metal or alloy with an insulating sheath.

Tolerances

Wire diameter: ± 10%
 Length: + 5% / -1%
 Insulation thickness: Nominal values only



Laminate

Layers of material which have been bonded together by the use of heat, pressure and, possibly, adhesive.

Tolerances

Thickness: ± 10%
 Size (linear dimension): ≤ 100mm ± 1mm
 > 100mm + 2% / -1%

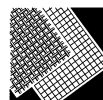


Lump

A solid piece of material with no defined shape.

Tolerances

Dimensions shown are nominal



Mesh

Mesh is available as either a woven wire or electroformed product; in all cases, the quoted aperture sizes are nominal. Wire mesh: a material which is woven from metal wires to provide a thin grid with a regular series of holes. Electroformed mesh: a product made by electroplating the mesh geometry through a mask onto a substrate which is subsequently etched away.

Tolerances

Thickness: woven: ± 10%
 electroformed: ± 20%
 Wire diameter: ± 10%
 Size (linear dimension): < 100mm ± 1mm
 ≥ 100mm + 2% / -1%

Product Descriptions



Metallised Film

Film which is coated with a metal. The thickness of the metal is measured and described in terms of the material's specific electrical resistance in ohms per square.

Tolerances

Thickness: $\pm 10\%$
 Size (linear dimension): $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+2\% / -1\%$



Microfoil

An extremely thin sheet of metal or alloy mounted on a permanent support. This support **cannot** be removed without destroying the Microfoil.

Tolerances

Thickness: $\pm 30\%$
 Size: $\pm 20\%$



Microleaf

An extremely thin sheet of metal mounted on a removable support. Microleaf is not available for metals which are too brittle to be free standing.

Tolerances

Thickness: $\pm 30\%$
 Size: $\pm 20\%$



Monofilament

A single strand of a non-metallic material.

Tolerances

Diameter: $\pm 20\%$
 Length: $+5\% / -1\%$



Non-Woven Fabric

Non-woven fabrics are made by methods other than weaving or knitting, the yarns and fibres being held together, often quite loosely, by means other than geometric interlacing. Due to the open and porous nature of this material, all other dimensions are nominal. conventional textile fabrics. Due to the open and porous nature of this material, all other dimensions are nominal.

Tolerances

Size (linear dimension): $< 100\text{mm}$ $\pm 5\text{mm}$
 $> 100\text{mm}$ $\pm 5\%$



Nut

Generally a flat piece of material with a threaded hole which can be screwed onto a bolt to fasten items together. Nuts typically have a hexagonal external shape. Nuts are available in metric and inch-threaded sizes.

Tolerances

Ceramics: ANSI B18.2.4.1M-1979
 (R1995)



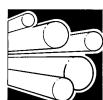
Powder

Small particles with an approximately defined size range. Those materials described as alloy precursors are not true alloys - they are made by sintering a blend of powders of the component metals to achieve alloying by diffusion. The resultant cake is ground and sieved to the required particle size range. Unless otherwise stated, the particle sizes shown are for guidance only. We do not guarantee either any particular size distribution between the quoted minimum and maximum sizes, or a specific particle shape.

Tolerances

Dimensions shown are nominal

Product Descriptions



Rod

A straight length of circular section material.

Tolerances

Diameter:	≤ 10mm	± 10%
	Polymer	+ 20%/-10%
	Ceramic	+ 20%/-10%
> 10mm	± 5%	
	Ceramic	+ 20%/-10%
	Polymer	+ 20%/-10%
Length:	< 100mm	± 1mm
	≥ 100mm	+ 5% / -1%



Sheet

Flat material with a thickness > 0.5mm.

Tolerances

Thickness:		± 10%
	Ceramic	± 20%
	Composite	± 20%
	Polymer	± 20%
Size (linear dimension):	< 100mm	± 1mm
	≥ 100mm	+ 2% / -1%



Single Crystal

A material grown as a monocrystal, generally to a specific orientation, dimension and surface finish. It may contain a dopant. Single crystals are usually made to order.

Tolerances

Orientation:	± 3°
Size:	Sizes shown are nominal



Sphere

A regular solid or hollow three-dimensional form in which every cross-section is a circle. Spheres are available with standard or precision tolerances, and can be supplied with different surface finishes depending on the material.

Tolerances

Diameter (standard):	± 5%
Diameter (precision):	see item



Sputtering Target

A high purity material used as a source for sputtering, a cold vapourisation process in which atoms are physically removed from the target surface by ion bombardment.

Tolerances

Thickness:	± 0.5mm
Size:	± 0.5mm



Tube

A hollow length of material normally circular in section. Most tubes are straight except those made of flexible polymer.

Tolerances

Outside diameter:	≤ 2mm	± 0.05mm
	Polymer	± 10%
	Ceramic	± 10%
≤ 5mm	± 0.1mm	
	Polymer	± 10%
	Ceramic	± 10%
> 5mm	± 5%	
	Polymer	± 10%
	Ceramic	± 10%
Wall thickness:	± 10%	
	Polymer	± 20%
	Ceramic	± 20%
Length:	< 100mm	± 1mm
	≥ 100mm	+ 5% / -1%



Washer

A thin, flat piece of material with a hole in the middle, used in conjunction with bolts and nuts to distribute the load of a threaded fastener.

Tolerances

Ceramics:	see item
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Product Descriptions



Wire

A single or multiple flexible strand of pure metal or alloy.

Tolerances

Wire diameter: $\pm 10\%$
Length: $+ 5\% / -1\%$

Hazards Information

HAZARDS

All materials listed in this catalogue, whatever the quantity supplied, are sold for research or development purposes. We make no warranty that the materials are fit for a particular purpose. In purchasing materials from this catalogue, customers should be aware that there may be hazards associated with their use and in the handling of them. Complete toxicological or hazard investigations are the responsibility of the customer. Ingestion or contact with the human body may be harmful. The responsibility for the safe use of our products rests with the customer. All materials should be handled by qualified personnel familiar with laboratory procedures and who are familiar with the nature of the material and any necessary precautions which should be taken in the handling, use and storage of the products. The customer shall be responsible for the control and use of the products offered in this catalogue whether alone or in combination with other articles or substances or in any other manner whatsoever.

HAZARD SYMBOLS



C

Corrosive

Chemicals which may destroy living tissue when in contact with them.



D

Dangerous when wet

Chemicals which, in contact with water or damp air, evolve highly flammable or toxic gases and vapours in dangerous quantities.



E

Explosive

Chemicals which may react exothermically without atmospheric oxygen, quickly evolving gases, and which under defined test conditions detonate, quickly deflagrate or upon heating explode when partially confined.



F+

Extremely Flammable

Chemicals which when finely divided (small particle size) are liable to ignite spontaneously.



Xn

Harmful

Chemicals which may cause death or acute or chronic damage to health when inhaled, ingested or absorbed via the skin.



F

Highly flammable

Chemicals which will ignite after contact with flame, or which will evolve highly flammable gases in contact with water.



Xi

Irritant

Non-corrosive chemicals which, through immediate, prolonged or repeated contact with the skin or mucous membrane may cause inflammation.



R

Radioactive

Chemicals which will emit ionising radiation without being subject to irradiation. General precautions for Toxic chemicals apply to those of low activity. For chemicals of medium or high activity special regulations apply.



T

Toxic

Chemicals which may cause death or acute or chronic damage to health when inhaled, ingested or absorbed via the skin.



T+

Very Toxic

Chemicals which in low quantities cause death or acute or chronic damage to health when inhaled, ingested or absorbed via the skin.

General Information

Analyses

Typical Analysis :

Where appropriate a typical analysis is given. All figures are parts per million (ppm) by weight unless otherwise stated. It must be emphasised that this data is "typical" and no guarantee is given that the material supplied will conform to these analyses. The compositions shown under alloy headings are generally weight percent. Exceptions are the glassy alloys and the rare earth magnets where the convention of using atomic ratio is followed.

Purity

Purities listed are quoted with respect to total metallic impurities. Typical analyses may give additional information about likely non-metallic impurities.

High Purity

For materials described as High Purity, the actual analysis of metallic impurities will be supplied free of charge. For other items, an actual analysis can be supplied and a charge will be made for the analysis and for the sample used.

If you require an analysis please tell us whether you require analysis of metallic impurities only or metallic and gaseous. Where an analysis is required the shipment of your order may be delayed.

Supports

Some items from our range of foils need to be supported on one side of the foil to enable both you and us to handle these very delicate materials. Two types of support can be used, the choice being governed by the material. Wherever possible we use a temporary support, a permanent support only being used when the material is brittle (for example Chromium or Manganese).

The temporary support is Acrylic, approximately 0.2mm thick. This may be removed by dissolving in 2-Propanone (Acetone).

Our permanent support is Polyester, thickness 0.125mm, which is hot-press laminated to one face of the foil. It **cannot** be removed without destroying the foil.

Microfoil is mounted on a permanent 3.5µm polyester support. This support **cannot** be removed without destroying the Microfoil.

Microleaf is mounted on a specially treated support which allows separation of the metal film from the support. Full instructions on the method of removal are issued with each Microleaf supplied.

Light Tight (LT) & Not Light Tested (NLT)

Light tight (LT) foils are supplied without visible pinholes after examination without magnification. Foils 0.025mm or more in thickness are supplied LT unless otherwise stated.

Foils less than 0.025mm thick are normally supplied Not-Light Tested (NLT), and will normally contain pinholes but may occasionally be free from pinholes. Foils less than 0.025mm in thickness can often be supplied LT but may incur additional charges. Please specify if you require LT foils

Vacuum tight

Vacuum tight foils show no detectable leakage when tested with a helium mass spectrometer with a sensitivity of 10^{-9} atm-cm³.s⁻¹.

Continuous Lengths

If you require material in continuous lengths please tell us when you place your order. Unless otherwise specified, we reserve the right to supply in more than one length.

Technical Data and Information

All information and technical data are given as a guide only. Although every effort has been made to ensure that the information is correct, no warranty is given as to its completeness or accuracy.

Tolerances

For details of our standard tolerances, please refer to the Product Description section. In many cases, closer tolerances are available but may be subject to an extra charge. If you have any special requirements it is important that you tell us at the time of ordering. This includes special tolerances, dimensional uniformity or any other special requirement which you may have (for example edge finish, packaging, labelling etc.). Please indicate precisely what is required and we shall do our best to meet your specification.

Order information

General Information

There are over 70,000 stock packs listed and if you cannot find what you need amongst them, please ask for special sizes, thicknesses, tolerances, dimensions or larger quantities. We are also able to offer many other pure metals, alloys, polymers and ceramics to special order.

Prices

All the prices listed are total (lot) prices for the sizes and quantities listed. Prices are subject to change without notice.

Prices shown include delivery except for those items marked as "special offer" or dangerous goods with transport restriction. They do not include value added tax, any import duties or local taxes.

Transport Restriction

Some of the materials supplied by Goodfellow are subject to special transport restrictions. Additional shipment charges may apply which are dependent on destination. Please check the individual item on our website or contact us for details of the charges.

If you intend to have the material transported or sent onwards please ensure that you are aware of the relevant transport restrictions.

Delivery

Split shipment

All orders are accepted for one shipment on one date to one address. A charge will be made for split shipments made at the customer's request.

Special Analysis, Supports or Tolerances

An extra charge is made for non-standard supports, alternative tolerances and certificates of analysis. The analysis is free of charge for items marked "High Purity".

Cancellations

A charge for cancellation of orders may be made. The amount will depend on the circumstances.

Express Service

An administration charge of £10 will be made for any order received for which same day shipment within the UK is requested.

Shipment

We aim to have all items listed in this catalogue in stock in the quantities and sizes listed. We can only undertake to despatch an order on a particular date. The date of delivery at the customer's address is subject to the normal variations of the delivery service used.

Despatch

Orders will normally be despatched within 48 hours of receipt.

Non delivery

If we have notified you of despatch of goods and you have not received delivery within 7 days, please contact us.

Insurance

All consignments will be insured by us against the usual risks unless we are instructed in writing to the contrary.

Export Restrictions

A UK Government export licence may be required for some items to some destinations. If the item you require needs a special export licence or an end-use statement we will inform you at the time you order.

Materials Handling

Many of our materials are extremely delicate and it is essential every care is taken when handling them. Special attention is drawn to the extreme fragility of Microfoil, Microleaf and thinner and finer materials.

All materials are carefully packed to ensure safe transport of goods to your address. We do not accept responsibility for damage caused by mishandling once the outer transit packaging has been removed.

Terms of payment

Our normal terms of payment are net 30 days from date of invoice. Any alternative terms of payment are to be agreed with us in writing at the time of placing an order. Customers may be asked to pay cash with order or cash against pro-forma invoice with their first order. In order to establish a credit account we will require details of your bankers, along with two trade references.

Order information

Credit account

We endeavour to keep our costs down and customers are requested to pay our invoices on time. We reserve the right to delay delivery if there are overdue invoices on the account. Accounts which remain unpaid beyond the due date may incur an interest charge at a rate of 2% per month.

Credit card payments

We also accept payment using the following credit and charge cards:

Mastercard, VISA, American Express, DELTA and Switch.

VAT

VAT number: GB 212 8527 79

UK

VAT will be added to the invoice at the rate ruling at the date of invoice. Where a customer is exempt, VAT will be charged unless we receive a copy of the exemption form at the time the order is placed.

EU

Customers registered for VAT who provide their local registration number will not be charged UK VAT.

Customers who are exempt from VAT will not be charged UK VAT provided we are given a copy of their exemption form at the time the goods are ordered.

Customers not registered for VAT or who fail to give us their registration number will be charged UK VAT at the current rate.

Export

All exports to countries outside the EU are zero-rated for UK VAT unless the invoice is being paid from within the EU.

Return of goods

We will only accept return of goods provided we are contacted BEFORE the goods are returned. When we agree to the return we will issue a Goods Return Number and give instructions for the method of return of the goods. Goods will not be accepted for return without a valid Goods Return Number. Due to the nature of some of our materials, it is imperative that you check any possible transport restrictions with your proposed freight company.

Claims

Great care is taken during manufacture and packing and all items are carefully inspected before shipment. Any claim in respect of short delivery, incorrect material or defective quality must be notified to us in writing within three days of delivery. Please retain ALL packaging for our inspection. Our liability for any such claim shall not exceed the cost of replacement of the goods free of charge, or crediting the customer with the invoice value thereof.

Goods ordered in error

We do not accept responsibility for customers' errors in ordering. The amount of credit for returned goods will be at our discretion. Where we accept returned goods a restocking charge will be made.

Conditions of sale

All orders, contracts and quotations are subject to our standard terms and conditions of sale.

Information and statements provided are indicative only and do not form part of any offer or contract.

Exclusions

We supply materials according to our specification. All conditions warranties and representations regarding the quality, fitness for purpose or state, size, shape, capacity or colour of goods supplied whether expressed or implied by common law or statute or otherwise are hereby expressly excluded. We shall not be liable for any damage direct or consequential arising from the use of goods supplied by us however such damage is caused, nor for delay in delivery.

Law

Customers in the USA: Contracts between Goodfellow Corporation and the customer shall be deemed to be subject in all respects to the laws of the Commonwealth of Pennsylvania, or the United States of America.

Customers in France: Contracts between Goodfellow SARL and the customer shall be deemed to be subject in all respects to French law unless otherwise agreed in writing

Customers in Germany: Contracts between Goodfellow GmbH and the customer shall be deemed to be subject in all respects to German law unless otherwise agreed in writing

Order information

Customers in the UK and all other countries: Contracts between Goodfellow Cambridge Limited and the customer shall be deemed to be subject in all respects to English law unless otherwise agreed in writing.

Copies of our General Terms and Conditions are available upon request or can be downloaded from our websites at www.goodfellow.com or www.goodfellowusa.com.

Company Details

Company Structure

The Goodfellow Group consists of five companies:

Goodfellow Cambridge Limited

Goodfellow was established in the City of London in 1946. The Company now has subsidiary operations in France, Germany and North America with the Group's research laboratories, workshop facilities & central administration located in Huntingdon, England.

Goodfellow Corporation

Established at the same time as our associate company in Germany, Goodfellow Corporation was set up to service the requirements of our customers in the USA.

Goodfellow GmbH

Since 1989, this member of the Goodfellow group of companies has been serving the needs of our German speaking customers within Europe.

Goodfellow SARL

Goodfellow established an operation in France in 1993 to meet the needs of our French-speaking customers in Europe.

Goodfellow (Shanghai) Trading Co., Ltd

Goodfellow established a representative office in Shanghai in 2006, and in 2012 followed this with the creation of a fully-fledged trading company, servicing the research and specialist manufacturing requirements of the Chinese market.

COMPANY DETAILS

Goodfellow Cambridge Limited

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VAT registration GB 212 8527 79

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USA
A Pennsylvania corporation
EIN 23-2557381

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Import VAT number DE112610478

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SHANGHAI
200070
The People's Republic of China

Conditions of Sale

1 GENERAL

1.1 In these Conditions:

1.1.1 the following expressions shall have the following meanings:-

- "Buyer" the individual firm company or other party from whom an order to supply Goods and/or Services is received by the Seller;
- "Conditions" the standard terms and conditions of sale of the Seller as set out herein and includes any additional terms and conditions of sale agreed in writing by the Seller;
- "Contract" a contract for the Supply of Goods and/or Services by the Seller to the Buyer;
- "Date of Delivery" the date on which delivery of the Goods or Services takes place pursuant to Condition 7;
- "Goods" the goods which the Seller is to supply (or, in relation to Condition 11, the goods in respect of which the Seller is to provide Services) under the Contract and includes any of them or any part of them and where the context so admits includes raw materials, processed materials and/or manufactured products whether processed or manufactured by the Seller or not;
- "Prepayment" a payment to be made by the Buyer pursuant to Condition 6.2 to be used at the Seller's discretion for the purchase of materials and/or towards the costs of labour and other costs relating to the supply of Goods;
- "Recommendations for Use" the recommendations (if any) relating to the storage, handling, application and/or use of the Goods contained in the published literature of the Seller (or, if relevant, a Supplier) or any recommendations made in Writing by an authorised representative of the Seller (or, if relevant, a Supplier);
- "Seller" Goodfellow Cambridge Limited and any subsidiary or holding company or associate (as such terms are defined in the Companies Act 1985 (as amended)) of the said company;
- "Services" the work or services or any of them to be provided by the Seller under the Contract;
- "Supplier" any person, firm or company who or which supplies materials to the Seller which make up the Goods which are to be supplied to the Buyer;

1.1.2 words importing the singular number shall include the plural and vice versa, words importing one gender shall include all genders, and words importing persons shall include bodies corporate, unincorporated associations and partnerships

- 1.2 If satisfactory references and information on the Buyer are not provided within seven days of a request therefore by the Seller, or if, following the provision of such information, the Seller is unable to obtain satisfactory trade indemnity or similar cover in respect of its dealings with the Buyer, the Seller may terminate the Contract and the rights and liabilities of the parties shall be the same as if the Contract had been cancelled in accordance with the provisions of Condition 10.2
- 1.3 The seller reserves the right to assign, sub-contract the Contract or any part thereof. The Buyer shall not be entitled to assign the benefit or burden of the Contract without the consent in writing of the Seller
- 1.4 In relation to all obligations of the Buyer under these Conditions, the time of performance is of the essence
- 1.5 The legal construction of these Conditions shall not be effected by their headings which are for convenience of reference only

2 ORDERS

- 2.1 Notwithstanding that the Seller may have given a detailed quotation or estimate either verbally or in writing no order shall be binding on the Seller unless and until it has been acknowledged in writing by the Seller or the Goods are delivered or the Services are provided by the Seller to the Buyer pursuant to the order
- 2.2 In order to avoid duplication of orders the Buyer shall be responsible for ensuring that any confirmation of an order previously placed is prominently marked as being a confirmation and not a new order. The Buyer acknowledges that any order or confirmation of order which is not so marked may be treated and accepted by the Seller as a new order to create a Contract in addition to any Contract arising out of the previously placed order
- 2.3 These Conditions are incorporated in the Contract and together with any matter set out in the Seller's quotation or acceptance/acknowledgement of order contain the entire obligations between the Seller and the Buyer. In the case of any inconsistency between any letter or quotation incorporating or referring to these Conditions and any order, letter or form of contract sent by the Buyer to the Seller, whatever may be their respective dates, the provisions of these Conditions shall prevail. In the event of the Seller entering into the Contract without the Seller having submitted a written quotation or other letter or document incorporating or referring to these Conditions but in circumstances where the Buyer has had prior notice of these Conditions then all Goods or Services supplied shall be subject to these Conditions
- 2.4 No variation of the Contract by the Buyer shall be binding upon the Seller unless made in Writing and signed on behalf of the Seller. In the event of such variation the Buyer shall indemnify and keep indemnified the Seller in full against all loss, which term shall include (but without prejudice to the generality thereof) loss of profit, costs (including the cost of labour and materials), damages, charges and expenses incurred (directly or indirectly) by the Seller as a result of such variation

- 2.5 Any representations (except fraudulent misrepresentations) or warranties made by or on behalf of the Seller prior to the Contract (whether verbally or in writing) are hereby expressly excluded and shall be of no effect

3 DESCRIPTION

- 3.1 Any figures, statements, descriptions, illustrations, photographs, drawings, weights or any other matters contained in the Seller's catalogues, pamphlets, price lists or advertising literature are not guaranteed to be accurate and are intended merely to represent a general picture of the Seller's products and shall not form part of the Contract nor be regarded as a warranty or representation relating to the Goods or Services
- 3.2 The Seller reserves the right to amend the specification of its products and services from time to time so that the descriptions thereof as set out in its catalogues, pamphlets, price lists or advertising literature may not be identical with those set out in the Seller's quotation and the Buyer is advised to check the specification set out in the Seller's quotation before placing an order

4 SPECIFICATIONS AND INTELLECTUAL PROPERTY

- 4.1 Where goods are supplied to the Buyer's own specification, or where standard goods of the Seller are altered in accordance with the Buyer's instructions the Buyer warrants and undertakes full responsibility for the suitability and fitness of the specification, pattern or design but also that such specification, pattern or design does not infringe any patent, trade mark, registered design, copyright or any other proprietary right of any third party and the Buyer shall indemnify and keep the Seller indemnified in full against any loss, damage or expense whatsoever (including costs) which the Seller may incur in or arising from the performance of the Contract by reason of any infringement of any such patent, trade mark, registered design, copyright or any other proprietary right
- 4.2 The Seller reserves the right to change the Buyer's specification as required to ensure that the Goods comply with any health, safety or other statutory requirement or provision and no such change by the Seller will constitute a breach of contract or impose upon the Seller any liability whatsoever
- 4.3 Unless otherwise agreed in writing, the Seller will be the sole owner of all inventions, formulations, tools, patterns, designs or other similar items and the copyright in all documents and drawings made or produced by it in preparing a quotation for the Buyer or in the course of work on any Contract with the Buyer

5 QUOTATIONS

- 5.1 The Seller's quotations are provisional in so far as they are subject to alteration by reference to any changes in the price of raw materials, any item to be acquired by the Seller from a third party, rates of wages, other costs of production and any other circumstances beyond the Seller's control taking place between the date of the quotation and the Buyer's placing of an order in respect thereof

6 PRICE

- 6.1 The Seller shall be entitled to adjust the Contract price of the Goods or Services whether before or after the making of the Contract in the event of any variation in the cost to the Seller of supplying the same or any part thereof caused by:-
- 6.1.1 any increase in the cost of materials required by the Seller for the completion of the Contract; or
- 6.1.2 any increase in wages or production and manufacturing costs or other overheads; or
- 6.1.3 any other reason whatsoever beyond the control of the Seller including (but without prejudice to the generality of the foregoing) fluctuations in exchange rates between monetary currencies the action of any government or any other authority or any labour problems
- 6.2 In the Seller's absolute discretion, a Prepayment in respect of the Contract may be required to be paid by the Buyer to the Seller on the terms set out in this Condition. The Prepayment shall be applied as follows:-
- 6.2.1 in the event that the Contract is performed in full by both parties the Prepayment shall be retained by the Seller in reduction of the total price payable by the Buyer under the Contract;
- 6.2.2 in the event that the Buyer is either in default of any of its obligations under the Contract or cancels or suspends the Contract in accordance with Condition 10 the Prepayment shall be set off by the Seller against its proper costs losses or damages arising in connection with the default and/or cancellation or suspension
- 6.3 Unless otherwise stated, the price set out in the Seller's quotation includes the cost of packaging, carriage, and (save as provided in Condition 6.4) insurance. In respect of supplies of Goods in the United States of America, Canada and Japan the price also includes import duties and sales taxes (if any). In respect of supplies of Goods in other countries the price does not include import duties or VAT or sales taxes which will be extra charges based on prevailing rates
- 6.4 Where the Buyer requests a particular means of delivery, the price set out in the Seller's quotation does not include insurance, which is to be arranged at the responsibility of the Buyer.

7 DELIVERY

- 7.1 Delivery of Goods shall be deemed to be effected by the Seller at the following times:-
- 7.1.1 where Goods are collected by or on behalf of the Buyer by its servants or agents, or where Goods are collected in

Conditions of Sale

- accordance with a means of delivery specifically requested by the Buyer, when the same are collected;
- 7.1.2 where delivery of the Goods is to be the responsibility of the Seller, when they arrive prior to unloading at the Buyer's premises;
- 7.1.3 where Goods are sold FOB or CIF, when they pass the ship's rail or are loaded onto the aircraft
- 7.2 Delivery of Services shall be deemed to be effected by the Seller at the time of completion by the Seller of the Services
- 7.3 Whilst the Seller will make every reasonable effort to complete the Contract by the date or dates therein specified for delivery of Goods or provision of Services such date or dates shall only constitute the times by which the Seller expects to effect such delivery and if no time is agreed delivery will be within a reasonable time but the performance of the Contract by the Seller shall not be the essence of the Contract, the Seller's failure to so deliver by the due date or dates shall not constitute a breach of Contract and the Seller shall not in any circumstances be responsible for any direct or consequential loss or damage of any kind whatsoever resulting therefrom. The Seller may wholly or partly suspend deliveries of Goods or provision of Services and the Buyer shall accept late delivery of such Goods or Services unless the Buyer has cancelled the Contract in accordance with the provisions of Condition 10.3

8 QUANTITIES INSTALMENTS AND STORAGE

- 8.1 Where Goods are delivered or Services are by instalment each instalment shall be deemed to be sold under a separate Contract and the party in default in respect of any instalment shall be liable accordingly, but no default in respect of any one instalment shall effect due performance of the Contract as regards other instalments
- 8.2 The Seller will endeavour to deliver the quantity of Goods ordered and every delivery shall be deemed to comply with the order. If there is a surplus or shortage of Goods which is no more than 10% of the quantity specified in the order the Buyer shall be deemed to have accepted the Goods and shall pay for the actual quantity delivered
- 8.3 If Goods or Services are to be delivered by instalments, the Seller shall be entitled to invoice each instalment as and when delivery is made and payment for all delivered instalments shall be due notwithstanding the non-delivery of other instalments or other default by the Seller. Failure by the Buyer to make payment by the due date for any one instalment for whatever reason shall entitle the Seller to suspend deliveries of Goods or provision of Services under the Contract but without prejudice to any other right the Seller may have under any of the other provisions of these Conditions
- 8.4 Notwithstanding that risk shall have passed to the Buyer pursuant to Condition 15 the Seller may in its absolute discretion arrange for storage of the Goods either at the request of the Buyer or as a result of the failure by the Buyer to take delivery of the Goods under Condition 7. The Seller may insure the goods whilst in storage and the Buyer shall indemnify and keep indemnified the Seller in full against all costs, losses, damages and expenses whatsoever arising in connection with the storage provided for hereunder and such costs, losses, damages and expenses will be added to and form part of the price of the Goods
- 8.5 Unless otherwise agreed between the Buyer and the Seller, the Seller shall be entitled in its absolute discretion and without giving prior notice to the Buyer at the expiration of 3 months to sell or otherwise dispose of Goods kept in storage as provided in Condition 8.4

9 TERMS OF PAYMENT

- 9.1 Unless otherwise agreed the price shall be due and payable at the Seller's offices 30 days after the date of the Seller's invoice
- 9.2 If the Buyer does not pay the whole or any part of the price on the required day then the Buyer shall pay to the Seller on request interest on the amount outstanding from the required day until the actual date of payment at the rate of 2% p.a. over the base rate of Barclays Bank plc from time to time in force which shall accrue on a daily basis
- 9.3 Condition 12 shall apply in the event of any alleged defect or failure in or of the Goods or Services and the Buyer shall not delay or refuse to make payment in any such event
- 9.4 The Buyer shall not be entitled to withhold payment of any amount due to the Seller by reason of any disputed claim by the Buyer in connection with the Contract nor shall the Buyer be entitled to set off against any amount payable under the Contract to the Seller any amount which is not then due and payable by the Seller or for which the Seller disputes liability
- 9.5 All payments payable to the Seller under the Contract shall become due immediately upon termination of the Contract despite any other provision.

10 SUSPENSION AND CANCELLATION

- 10.1 If the Buyer shall commit any breach of the Contract and fail to remedy the same within 7 days of receiving the Seller's request in writing so to do or any distress or execution is levied upon any goods or property of the Buyer or the Buyer makes any voluntary arrangement with its creditors or becomes subject to an administration order or (being an individual or firm) becomes bankrupt or (being an incorporated company) passes a resolution for winding up (otherwise than for the purpose of amalgamation or reconstruction), or a Court makes an order to that effect, or an encumbrancer takes possession, or an administrative receiver or receiver is appointed, of any of the property or assets of the Buyer, or the Buyer ceases, or threatens to cease, to carry on business or is unable to pay its debts within the meaning of section 123 Insolvency Act, 1986, or the Seller reasonably apprehends that any of the events mentioned above is about to occur in relation to the Buyer and notifies the Buyer accordingly, the Seller may:-
- 10.1.1 stop any Goods in transit and suspend any further deliveries;

and/or

- 10.1.2 suspend work on the Contract; and/or
- 10.1.3 determine the Contract forthwith and if the Goods or Services, or any part of them have been delivered but not paid for, the price shall become immediately due and payable notwithstanding any previous agreement to the contrary but without prejudice to the Seller's right to any unpaid price for Goods or Services delivered under the Contract and to damages for loss (both direct and consequential) suffered in consequence of such determination
- 10.2 If the Buyer requires cancellation of the Contract this will only be accepted at the sole discretion of the Seller and unless otherwise agreed in writing only upon condition that any costs, charges or expenses (both direct and consequential) incurred by the Seller up to the date of cancellation and the value of all loss or damage (both direct and consequential) incurred by the Seller by reason of such cancellation will be reimbursed by the Buyer to the Seller forthwith. Acceptance by the Seller of any cancellation by the Buyer will only be binding upon the Seller if it is made in writing
- 10.3 In the event of the Seller other than in any of the circumstances set out in Condition 10.1 being prevented or hindered from completing the Contract either wholly or in part in accordance with the terms thereof for any reason whatsoever beyond its reasonable control which, for the avoidance of doubt and without prejudice to the generality of the foregoing, shall include governmental action, war, riot, civil commotion, fire, flood, epidemic, labour disputes (including labour disputes involving the work force or any part thereof of the Seller or Supplier), restraints or delays affecting shipping or carriers, licensing, exporting or importing restrictions, currency restrictions and Acts of God then further performance of the Contract shall be suspended for the period during which the Seller is so prevented provided that in the event of the Contract being suspended for a continuous period of more than 3 months then either party may give the other notice in writing to terminate the Contract forthwith and in such circumstances the Buyer shall pay for all Goods or Services supplied to the date of such termination such payment to be made on or before the last day following the month during which termination was effected. The Seller shall be under no liability whatsoever to the Buyer for any direct or consequential loss or damage suffered by the Buyer as a result of the Seller's inability to perform its obligations under the Contract in these circumstances
- 10.4 The Seller's rights contained in Condition 17 (but not the Buyer's rights) shall continue beyond the discharge of the parties' primary obligations under the Contract consequent upon its termination
- 10.5 The termination of the Contract for whatever reason will be without prejudice to the rights and duties of either party accrued prior to termination

11 INSPECTION AND CLAIMS FOR DEFECTS

- 11.1 The Goods are of a highly specialised nature and must be treated with the utmost care. It is essential that the Buyer checks that they correspond in all respects with the Buyer's requirements. Any discrepancies should be notified to the Seller immediately. The Buyer undertakes to ensure that all Goods are unpacked and handled only by persons qualified to deal with such specialised products, to safeguard against injury to the Goods or to the Buyer's personnel
- 11.2 The Buyer shall inspect the Goods and carry out tests to ensure the Goods conform with the description of the Goods or Services in the Buyer's orders within 7 days of Delivery and whether or not the Buyer carries out such obligation to inspect and test no claims for non-delivery, shortages in quantity of units delivered, defective Goods or Services, non-conformity to description or partial loss or damage to Goods will be accepted by the Seller unless:-
- 11.2.1 they are notified in writing by the Buyer to the Seller within 10 days after the Date of Delivery (in the case of partial loss, damage, non-conforming or defective Goods or Services) or 14 days after the date of the invoice (in the case of non-delivery);
- 11.2.2 the Goods in respect of which a claim is made together with all the relevant packing are preserved intact as received for a period of 35 days from notification of any such claim and the Buyer permits the Seller or its servants or agents full and free right of access to inspect the Goods and investigate the claim; and
- 11.2.3 if the Buyer fails to give the appropriate notice as specified in Condition 11.2.1, the Buyer's claim will be deemed to have been waived and will be absolutely barred
- 11.3 It is in all cases the responsibility of the Buyer to ensure by testing or otherwise that the Goods are fit and suitable for the purposes for which the Buyer requires them in the conditions in which they will be used. The Buyer acknowledges that the Seller shall be under no liability of any description to the Buyer if the Goods prove to be unsuitable for whatever reason for application or use notwithstanding that the Seller may, at the request of the Buyer, have given in good faith technical or other advice in relation to the proposed application or use of the Goods and the Buyer shall indemnify and keep indemnified the Seller in full against any and all liability of any kind arising out of or connected with the application or use of the Goods
- 11.4 Section 3 Sale and Supply of Goods Act 1994 shall not apply
- 11.5 The Seller will not accept the return of Goods in any circumstances unless it has first issued a Goods return number and such number is quoted with the returned Goods

12 WARRANTY

- 12.1 In substitution for all and any other rights which the Buyer might or would have had but for these Conditions and subject to Condition 11,

Conditions of Sale

the Seller shall make good by replacement any failure in the Goods or Services which results from defects in the Seller's materials or workmanship and which appear not later than 2 months after the Date of Delivery and shall replace any Goods or Services which do not conform with the description in the Buyer's order

- 12.2 Notwithstanding the provisions of Condition 12.1, in the case of a claim falling within Condition 12.1, the Seller reserves the right at its sole discretion to credit the Buyer in full the price paid by the Buyer to the Seller
- 12.3 The Seller's liability under this Condition shall automatically cease if:
- 12.3.1 the Buyer has not paid for all Goods or Services supplied under any Contract by the due date or is otherwise in breach of this or any other Contract made with the Seller; or
- 12.3.2 the Seller or its servants or agents are denied full and free right of access to the allegedly defective Goods; or
- 12.3.3 the Buyer has not properly maintained the Goods or has not complied with any Recommendations for Use; or
- 12.3.4 the defect or failure is caused by a breach by the Buyer of its undertakings and warranties contained in Condition 17; or
- 12.3.5 the Buyer has failed to notify the Seller in writing of any defect or suspected defect within 14 days of the same coming to the knowledge of the Buyer
- 12.4 The warranty set out in Condition 12.1 shall be in lieu of any warranties conditions or undertakings whether express or implied by statute, common law or otherwise howsoever which warranties, conditions and undertakings are hereby expressly excluded, except that such exclusions will not apply to any implied condition that the Seller has or will have the right to sell the Goods when the property is to pass
- 12.5 Nothing in these Conditions excludes or limits the liability of the Seller for death or personal injury caused by the Seller's negligence or fraudulent misrepresentation
- 12.6 SUBJECT TO CONDITIONS 12.4 AND 12.5
- 12.6.1 the seller's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the performance or contemplated performance of the contract shall be limited to the price paid for the goods or services under the contract; and
- 12.6.2 the seller shall not be liable to the buyer for any indirect or consequential loss or damage (whether for loss of profit, loss of business, depletion of goodwill or otherwise), costs, expenses or other claims for consequential compensation whatsoever (however caused) which arise out of or in connection with the contract

13 CONSUMER SALES

- 13.1 Where the Goods are sold under a consumer sale (as defined by the Sale of Goods Act 1979) the statutory rights of the Buyer are not affected by these conditions

14 TITLE TO GOODS

- 14.1 Full legal and beneficial ownership of the Goods shall be retained by the Seller notwithstanding that the risk in the same shall pass to the Buyer at the time of delivery until the Seller has received payment in full in respect of
- 14.1.1 The Goods; and
- 14.1.2 All other sums which become due and owing by the Buyer to the Seller on any account whatsoever
- 14.2 Until ownership of the Goods has passed to the Buyer the Buyer shall hold the Goods in a fiduciary capacity and as bailee of the Seller and shall at all times take proper care of the same and will not obliterate or obscure any identifying mark or their packaging and will keep the Goods separate from any other goods and in such manner that they may be clearly identified as belonging to the Seller and the Buyer hereby grants to the Seller the right to enter on the Buyer's premises at any time during the continuation of the Contract to check that the Buyer is complying with the obligation contained in this Condition. The Buyer will return the Goods to the Seller if it receives a request whether verbally or in Writing so to do prior to payment in full as aforesaid having been made and the Seller will then repay any part of the purchase price it has already received in respect of the Goods less a reasonable amount in respect of its costs and expenses in connection with the Contract
- 14.3 For the purposes of Condition 14.1, the expression "the Buyer" includes any subsidiary or holding company or associate of the Buyer (as such terms are defined in the Companies Act 1985 (as amended))
- 14.4 The Seller will have the right to maintain an action against the Buyer for the price of the Goods notwithstanding that property in the Goods has not been passed

15 RISK AND INSURANCE

- 15.1 The risk in the Goods shall pass to the Buyer at the time of delivery as provided for in Condition 7
- 15.2 Notwithstanding the reservation of title contained in Condition 14, the Buyer shall insure the Goods and/or any products made wholly or partly therefrom for the full amount of the price payable under the Contract with an insurance office of repute from the time of delivery of the Goods until the date title in the Goods passes to the Buyer pursuant to Condition 14.1

16 EXPORT TERMS

- 16.1 In these Conditions "Incoterms" means the international rules for the interpretation of trade terms of the International Chamber of Commerce

as in force at the date when the Contract is made. Unless the context otherwise requires, any term or expression which is defined in or given a particular meaning by the provisions of Incoterms has the same meaning in the Contract

- 16.2 Where the Goods are supplied for export from the United Kingdom then unless otherwise agreed in writing between the Buyer and the Seller

- 16.2.1 the provisions of Incoterms shall (subject to any special terms agreed in writing between the Buyer and the Seller) apply but if there is any conflict between the provisions of Incoterms and these Conditions, the latter shall prevail.
- 16.2.2 the Buyer shall be responsible for complying with any legislation or regulations governing the importation of the Goods into the country of destination and (save in respect of the United States of America, Canada and Japan) for the payment of any duties and taxes thereon unless payment for these is included in the Contract
- 16.2.3 the Buyer shall be deemed to have satisfied itself that such Goods comply with the safety regulations of any country or state in which the Goods are to be used outside the United Kingdom and the Buyer shall indemnify and keep indemnified the Seller in full for any loss or damage whatsoever which the Seller may incur if such Goods do not comply with such safety regulations

- 16.3 The Goods shall not be used in any country other than that for which the Seller was aware they were originally ordered without the Seller's consent in writing

- 16.4 The Buyer undertakes not to offer the Goods for resale in any country notified by the Seller at or before the time the Buyer's order is placed, or to sell the Goods to any person if the Buyer knows or has reason to believe that person intends to resell the Goods in any such country

17 BUYER'S WARRANTIES

- 17.1 The Buyer warrants to the Seller that:
- 17.1.1 the Buyer will install, operate or otherwise use or store the Goods strictly in accordance with the Recommendations for Use and with all relevant or applicable statutory or other regulations governing the installation, operation, use or storage of the Goods; and
- 17.1.2 any collection vehicle, container, ship or other means of transport provided by the Buyer or any agent of the Buyer will comply with all relevant legislation and regulations relating to health and safety requirements; and
- 17.1.3 the storage and transport facilities and all parts thereof and all equipment used in connection therewith is suitable for storage (both short term and long term) and transport of the Goods and complies with any statute, regulation, bye law or other rule having the force of law and relating to the storage of goods of the nature of the Goods; and
- 17.1.4 the Buyer will ensure that the Goods are stored in conditions appropriate to goods of that nature and will comply with any recommendations as to the storage of Goods notified to it by the Seller from time to time; and
- 17.2 The Buyer shall indemnify and keep indemnified the Seller in full against any claim, loss or damage (including, without limitation, damage to the reputation of the Seller) arising directly or indirectly from any breach of the warranty contained in Condition 17.1

18 SEVERANCE

- 18.1 If at any time any one or more of the provisions or part thereof of these Conditions becomes or is invalid, illegal or unenforceable in any respect under any law or is held by a court to be invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions hereof and the remainder of such provision shall not in any way be affected or impaired thereby

19 JURISDICTION

- 19.1 These Conditions and each and every Contract made pursuant to them shall be governed by and construed in all respects in accordance with the laws of England and the Seller and the Buyer hereby agree to submit to the non-exclusive jurisdiction of the English Courts

20 NOTICES

- 20.1 Any notice required or permitted to be given by either party to the other under these Conditions shall be in writing addressed to that other party at its registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving notice
- 20.2 Any notice given pursuant to clause 20.1 shall be deemed to have been served:
- 20.2.1 if delivered by hand, on the first Business Day following delivery;
- 20.2.2 if sent by post, on the third Business Day after posting if the address of the recipient is in the country of despatch, otherwise on the seventh Business Day after posting;
- 20.2.3 if sent by facsimile transmission, on the first Business Day following successful transmission
- 20.3 In proving service it shall be sufficient proof in the case of a notice sent by post, that the envelope containing the same was properly stamped, addressed and placed in the post and, in the case of facsimile transmission, that it was properly addressed and successfully transmitted
- 20.4 In this Condition 20, "Business Day" shall mean any day other than Saturday, Sunday or any other day which is a public holiday in the place at which the notice is left or to which such notice is despatched

21 WAIVER

Conditions of Sale

21.1 No waiver by the Seller of any breach of any provision of the Contract by the Buyer shall be considered as a waiver of any subsequent breach

of the same or any other provision and the Seller shall not be prejudiced by any forbearance or indulgence granted by it to the Buyer

Titanium

Ti

Titanium was discovered by Rev. William Gregor in 1791 in Creed, Cornwall, England and, independently, by M.H. Klaproth in 1795 in Berlin, Germany.

Titanium is a hard, lustrous, silvery metal which is obtained by magnesium or calcium reduction of the tetrachloride. It is a relatively abundant element, there being 5600 ppm in the earth's crust. It forms a protective oxide coating and, hence, resists corrosion, although powdered metal burns in air. Titanium tends to be inert at low temperatures but will combine with a variety of reagents at elevated temperatures.

Titanium and its alloys are characterised by their lightness, strength and corrosion resistance and are used widely in aerospace applications. In addition, these properties also make the material suitable for medical applications (e.g. replacement hip joints). Titanium dioxide, TiO₂ is used as a white pigment in paints and plastics as it provides great opacity. The same material is also used in the manufacture of heat resisting and durable glass, the TiO₂ replacing certain proportions of the soda. Titanium carbide is used to manufacture cemented carbides.

Atomic Properties		Physical Properties	
Atomic number	22	Boiling point	3287 C
Atomic radius - Goldschmidt	0.147 nm	Density @20C	4.5 g cm ⁻³
Atomic weight	47.88 amu	Melting point	1660 C
Crystal structure	Hexagonal close packed	Electrical Properties	
Electronic structure	Ar 3d ² 4s ²	Electrical resistivity @20C	54 µOhmcm
Photo-electric work function	4.1 eV	Temperature coefficient @0-100C	0.0038 K ⁻¹
Thermal neutron absorption cross-section	6.1 Barns	Superconductivity critical temperature	0.40 K
Valences shown	2, 3, 4	Thermal Properties	
Natural isotope distribution		Mass No.	%
		46	8.0
		47	7.5
		48	73.7
		49	5.5
		50	5.3
Ionisation potential		No.	eV
		1	6.82
		2	13.6
		3	27.5
		4	43.3
		5	99.2
		6	119
		Mechanical Properties	
		Material condition	Annealed Polycrystalline
		Bulk modulus	108.4 GPa
		Hardness - Vickers	60
		Izod toughness	61 J m ⁻¹
		Poisson's ratio	0.361
		Tensile modulus	120.2 GPa
		Tensile strength	230-460 MPa
		Yield strength	140-250 MPa



Microfoil

CONTRACT COATING of customers' own components or assemblies is available to special order.

TI004500	Thinness.....	0.1µm	Area density.....	42.8µg.cm⁻²
	Purity.....	99.6+%	Support.....	Permanent Mylar 3.5µm
Quantity				
Web Code	Disc diam.	1 disc	2discs	5discs
059-252-810	10 mm	GBP 193.00	GBP 262.00	GBP 469.00
825-798-434	25 mm	GBP 285.00	GBP 400.00	GBP 745.00

Typical Analysis : Starting Material : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This item is normally made to order for delivery within 4-5 weeks.

TI004600	Thinness.....	0.25µm	Area density.....	112.6µg.cm⁻²
	Purity.....	99.6+%	Support.....	Permanent Mylar 3.5µm
Quantity				
Web Code	Disc diam.	1 disc	2discs	5discs
525-512-225	10 mm	GBP 213.00	GBP 293.00	GBP 531.00
129-297-443	25 mm	GBP 319.00	GBP 452.00	GBP 849.00

Typical Analysis : Starting Material : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This item is normally made to order for delivery within 4-5 weeks.

TI004700	Thinness.....	0.5µm	Area density.....	225.4µg.cm⁻²
	Purity.....	99.6+%	Support.....	Permanent Mylar 3.5µm
Quantity				
Web Code	Disc diam.	1 disc	2discs	5discs
139-599-398	10 mm	GBP 227.00	GBP 314.00	GBP 573.00
239-166-185	25 mm	GBP 342.00	GBP 486.00	GBP 918.00

Typical Analysis : Starting Material : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This item is normally made to order for delivery within 4-5 weeks.

TI004850	Thinness.....	1.0µm	Area density.....	429µg.cm⁻²
	Purity.....	99.6+%	Support.....	Permanent Mylar 3.5µm
Quantity				
Web Code	Disc diam.	1 disc	2discs	5discs
060-822-869	10 mm	GBP 262.00	GBP 365.00	GBP 676.00
356-832-183	25 mm	GBP 400.00	GBP 573.00	GBP 1090.00

Typical Analysis : Starting Material : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This item is normally made to order for delivery within 4-5 weeks.

Titanium

Ti



Foil

TI000205 Thickness **0.001mm** High Purity **99.99+%**
 Temper **As rolled**

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
912-066-045	25 x 25 mm	GBP 524.00	GBP 721.00	GBP 1122.00
086-830-273	50 x 50 mm	GBP 973.00	GBP 1356.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI000090 Thickness **0.002mm** Purity **99.6+%**

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
079-450-947	25 x 25 mm	GBP 331.00	GBP 441.00	GBP 665.00
882-226-421	50 x 50 mm	GBP 580.00	GBP 793.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000206 Thickness **0.002mm** High Purity **99.99+%**
 Temper **As rolled**

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
045-468-855	25 x 25 mm	GBP 477.00	GBP 654.00	GBP 1016.00
645-780-331	50 x 50 mm	GBP 879.00	GBP 1222.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI000100 Thickness **0.0025mm** Purity **99.6+%**

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
688-203-858	25 x 25 mm	GBP 318.00	GBP 423.00	GBP 636.00
060-778-536	50 x 50 mm	GBP 555.00	GBP 757.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000110 Thickness **0.003mm** Purity **99.6+%**

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
536-162-812	25 x 25 mm	GBP 306.00	GBP 406.00	GBP 609.00
825-766-602	50 x 50 mm	GBP 531.00	GBP 723.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000121 Thickness **0.004mm** Purity **99.6+%**

NLT Sizes Web Code	Size	Quantity		
		1pc	2pcs	5pcs
104-119-736	25 x 25 mm	GBP 282.00	GBP 371.00	GBP 555.00
292-868-505	50 x 50 mm	GBP 483.00	GBP 655.00	
224-731-655	100 x 100 mm	GBP 1097.00		

Sizes LT Web Code	Size	Quantity		
		1pc	2pcs	5pcs
785-692-968	25 x 25 mm	GBP 338.00	GBP 446.00	GBP 666.00
002-536-064	50 x 50 mm	GBP 724.00	GBP 983.00	

Discs Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
132-291-866	4 mm	GBP 290.00	GBP 360.00	GBP 524.00
536-487-144	6 mm	GBP 347.00	GBP 441.00	GBP 654.00
060-894-747	8 mm	GBP 404.00	GBP 523.00	GBP 786.00
611-840-001	10 mm	GBP 462.00	GBP 606.00	GBP 920.00
480-006-974	15 mm	GBP 603.00	GBP 806.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Metal – Titanium

Titanium

Ti



Foil

TI000210

Thickness 0.005mm

Purity 99.6+%

NLT Sizes

Web Code

166-536-961
 220-683-347
 450-972-306

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 216.00	GBP 267.00	GBP 370.00
50 x 50 mm	GBP 333.00	GBP 433.00	
100 x 100 mm	GBP 752.00		

Sizes LT

Web Code

270-344-449

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 237.00	GBP 293.00	GBP 406.00

Discs

Web Code

408-527-282
 065-900-770
 237-599-389
 699-918-029
 489-758-450

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 257.00	GBP 313.00	GBP 419.00
6 mm	GBP 293.00	GBP 364.00	GBP 502.00
8 mm	GBP 330.00	GBP 417.00	GBP 587.00
10 mm	GBP 367.00	GBP 470.00	GBP 674.00
15 mm	GBP 458.00	GBP 599.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000208

Thickness 0.005mm
 Temper As rolled

High Purity 99.99+%

NLT Sizes

Web Code

205-276-680
 055-111-473
 426-443-033

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 351.00	GBP 486.00	GBP 796.00
50 x 50 mm	GBP 575.00	GBP 802.00	
100 x 100 mm	GBP 1021.00		

Sizes LT

Web Code

501-822-204
 224-191-870

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 387.00	GBP 535.00	GBP 876.00
50 x 50 mm	GBP 718.00	GBP 1003.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI000140

Thickness 0.006mm

Purity 99.6+%

NLT Sizes

Web Code

148-886-945
 129-741-932
 517-667-132

Size	Quantity	
	1pc	2pcs
25 x 25 mm	GBP 257.00	GBP 336.00
50 x 50 mm	GBP 433.00	GBP 585.00
100 x 100 mm	GBP 1044.00	

Sizes LT

Web Code

410-260-256
 769-784-123

Size	Quantity	
	1pc	2pcs
25 x 25 mm	GBP 283.00	GBP 370.00
50 x 50 mm	GBP 541.00	GBP 731.00

Discs

Web Code

113-674-130
 209-268-740
 158-597-940
 824-740-947
 092-613-455

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 276.00	GBP 341.00	GBP 493.00
6 mm	GBP 326.00	GBP 412.00	GBP 607.00
8 mm	GBP 376.00	GBP 484.00	GBP 723.00
10 mm	GBP 427.00	GBP 556.00	GBP 841.00
15 mm	GBP 551.00	GBP 732.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000150

Thickness 0.007mm

Purity 99.6+%

NLT Sizes

Web Code

855-392-130
 185-053-464
 393-808-679
 115-593-372

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 256.00	GBP 334.00	GBP 496.00	GBP 708.00
50 x 50 mm	GBP 430.00	GBP 580.00	GBP 1287.00	
100 x 100 mm	GBP 1026.00	GBP 1977.00		
150 x 150 mm	GBP 2206.00			

Sizes LT

Web Code

769-480-263
 397-971-951

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 281.00	GBP 367.00	GBP 546.00	GBP 778.00
50 x 50 mm	GBP 473.00	GBP 638.00	GBP 1416.00	

Discs

Web Code

031-461-509
 932-699-089
 587-386-527
 423-317-228
 914-657-809
 332-230-147

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 275.00	GBP 339.00	GBP 491.00
6 mm	GBP 325.00	GBP 410.00	GBP 604.00
8 mm	GBP 374.00	GBP 481.00	GBP 719.00
10 mm	GBP 425.00	GBP 553.00	GBP 836.00
15 mm	GBP 547.00	GBP 727.00	GBP 1471.00
25 mm	GBP 839.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Foil

TI000211

Thickness **0.008mm**
 Purity **99.6+%**

Coil width **104mm**

Coil

Web Code
 021-584-331
 659-926-525

Width 104mm

Quantity

Length 1 Reel
 0.2 m GBP 511.00
 0.3 m GBP 692.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000160

Thickness **0.008mm**

Purity **99.6+%**

NLT Sizes

Web Code
 410-264-638
 855-629-725
 566-804-320
 406-154-449

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm

Quantity

	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 246.00	GBP 321.00	GBP 475.00	GBP 688.00
50 x 50 mm	GBP 411.00	GBP 554.00	GBP 1248.00	
100 x 100 mm	GBP 994.00	GBP 1914.00		
150 x 150 mm	GBP 2136.00			

Sizes LT

Web Code
 683-083-649
 984-569-898

Size
 25 x 25 mm
 50 x 50 mm

Quantity

	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 271.00	GBP 353.00	GBP 523.00	GBP 757.00
50 x 50 mm	GBP 452.00	GBP 609.00	GBP 1373.00	

Discs

Web Code
 890-279-724
 284-972-801
 621-609-045
 701-127-200
 640-900-870
 112-611-681

Diameter
 4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm

Quantity

	10 discs	20 discs	50 discs
4 mm	GBP 270.00	GBP 332.00	GBP 479.00
6 mm	GBP 317.00	GBP 399.00	GBP 586.00
8 mm	GBP 364.00	GBP 466.00	GBP 695.00
10 mm	GBP 412.00	GBP 534.00	GBP 806.00
15 mm	GBP 528.00	GBP 700.00	GBP 1431.00
25 mm	GBP 817.00	GBP 1479.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000170

Thickness **0.009mm**

Purity **99.6+%**

NLT Sizes

Web Code
 606-259-869
 470-380-247
 132-104-234
 669-276-069

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm

Quantity

	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 238.00	GBP 309.00	GBP 457.00	GBP 674.00
50 x 50 mm	GBP 395.00	GBP 533.00	GBP 1220.00	
100 x 100 mm	GBP 972.00	GBP 1869.00		
150 x 150 mm	GBP 2085.00			

Sizes LT

Web Code
 921-913-726
 730-624-021

Size
 25 x 25 mm
 50 x 50 mm

Quantity

	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 262.00	GBP 340.00	GBP 503.00	GBP 741.00
50 x 50 mm	GBP 434.00	GBP 586.00	GBP 1342.00	

Discs

Web Code
 808-704-520
 088-064-735
 008-097-487
 012-176-180
 522-019-326
 252-415-547

Diameter
 4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm

Quantity

	10 discs	20 discs	50 discs
4 mm	GBP 265.00	GBP 326.00	GBP 469.00
6 mm	GBP 310.00	GBP 389.00	GBP 571.00
8 mm	GBP 355.00	GBP 453.00	GBP 674.00
10 mm	GBP 400.00	GBP 518.00	GBP 782.00
15 mm	GBP 510.00	GBP 675.00	GBP 1402.00
25 mm	GBP 801.00	GBP 1447.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000213

Thickness **0.010mm**

Purity **99.6+%**

NLT Sizes

Web Code
 828-848-647
 518-088-674
 985-450-125

Size
 100 x 100 mm
 150 x 150 mm
 200 x 200 mm

Quantity

	1pc	2pcs	5pcs	10pcs	20pcs
100 x 100 mm	GBP 267.00	GBP 340.00	GBP 489.00	GBP 664.00	
150 x 150 mm	GBP 350.00	GBP 457.00	GBP 675.00		
200 x 200 mm	GBP 433.00	GBP 575.00			

Sizes LT

Web Code
 373-084-615
 039-370-796
 269-444-548

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm

Quantity

	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 142.00	GBP 164.00	GBP 210.00	GBP 270.00	GBP 367.00
50 x 50 mm	GBP 184.00	GBP 222.00	GBP 303.00	GBP 401.00	GBP 552.00
100 x 100 mm	GBP 293.00	GBP 374.00	GBP 538.00	GBP 730.00	

Coil

Web Code
 974-012-368
 829-667-312
 989-971-926
 766-205-510

Width 150mm

Quantity

Length 1 Reel
 0.2 m GBP 410.00
 0.3 m GBP 474.00
 0.5 m GBP 577.00
 1 m GBP 766.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Metal – Titanium

Titanium

Ti



Foil

TI000212

Thickness **0.01mm**
 Temper **As rolled**

High Purity **99.99+%**

NLT Sizes

Web Code
 098-397-513
 493-860-886

Size	Quantity		
	1pc	2pcs	5pcs
50 x 50 mm	GBP 565.00	GBP 779.00	
100 x 100 mm	GBP 1055.00		

Sizes LT

Web Code
 174-909-779
 258-429-339
 923-125-799

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 320.00	GBP 432.00	GBP 665.00
50 x 50 mm	GBP 622.00	GBP 857.00	
100 x 100 mm	GBP 1319.00		

Discs

Web Code
 792-053-392
 006-670-870
 833-853-998
 231-747-483
 968-435-058
 054-381-677

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 348.00	GBP 505.00	GBP 648.00
6 mm	GBP 411.00	GBP 595.00	GBP 791.00
8 mm	GBP 474.00	GBP 685.00	GBP 935.00
10 mm	GBP 537.00	GBP 776.00	GBP 1081.00
15 mm	GBP 694.00	GBP 998.00	
25 mm	GBP 1009.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI000215

Thickness **0.012mm**

Purity **99.6+%**

NLT Sizes

Web Code
 020-471-715
 229-759-260

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 x 100 mm	GBP 262.00	GBP 333.00	GBP 478.00	GBP 649.00	
200 x 200 mm	GBP 423.00	GBP 561.00	GBP 839.00		

Sizes LT

Web Code
 042-393-568
 139-628-099
 107-841-890

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 141.00	GBP 162.00	GBP 208.00	GBP 266.00	GBP 361.00
50 x 50 mm	GBP 181.00	GBP 219.00	GBP 298.00	GBP 394.00	GBP 542.00
100 x 100 mm	GBP 288.00	GBP 366.00	GBP 526.00	GBP 714.00	

Coil

Web Code
 252-822-899
 602-855-739
 356-966-276
 620-776-860

Length	Quantity
	1 Reel
0.2 m	GBP 447.00
0.3 m	GBP 520.00
0.5 m	GBP 636.00
1 m	GBP 850.00

Discs

Web Code
 597-102-260
 637-776-627
 722-082-013
 260-256-451
 532-062-205
 507-778-596
 472-323-015

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 259.00	GBP 320.00	GBP 386.00
6 mm	GBP 271.00	GBP 337.00	GBP 413.00
8 mm	GBP 283.00	GBP 354.00	GBP 441.00
10 mm	GBP 296.00	GBP 372.00	GBP 468.00
15 mm	GBP 326.00	GBP 415.00	GBP 537.00
25 mm	GBP 388.00	GBP 502.00	GBP 674.00
50 mm	GBP 541.00	GBP 720.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000220

Thickness **0.0125mm**
 Temper **Annealed**

Purity **99.6+%**

NLT Sizes

Web Code
 658-526-576
 028-348-496
 999-863-822

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 x 100 mm	GBP 230.00	GBP 285.00	GBP 396.00	GBP 523.00	
150 x 150 mm	GBP 295.00	GBP 376.00	GBP 540.00		
279 x 300 mm	GBP 475.00	GBP 631.00			

Sizes LT

Web Code
 884-849-128
 723-150-208
 881-950-459
 265-809-660
 142-915-249

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 133.00	GBP 148.00	GBP 179.00	GBP 217.00	GBP 274.00
50 x 50 mm	GBP 165.00	GBP 194.00	GBP 251.00	GBP 319.00	GBP 419.00
100 x 100 mm	GBP 253.00	GBP 314.00	GBP 435.00	GBP 576.00	
150 x 150 mm	GBP 353.00	GBP 452.00	GBP 648.00		
279 x 300 mm	GBP 593.00	GBP 789.00			

Coil

Web Code
 046-933-275

Length	Quantity
	1 Reel
0.5 m	GBP 609.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Foil

TI000230

Thickness **0.015mm**

Purity **99.6+%**

Size

Web Code

603-751-240
 468-903-772
 612-965-543
 382-539-332
 657-861-588

Size

25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 130 x 150 mm
 266 x 300 mm

		Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 123.00	GBP 137.00	GBP 168.00	GBP 205.00	GBP 261.00	
50 x 50 mm	GBP 154.00	GBP 182.00	GBP 239.00	GBP 305.00	GBP 403.00	
100 x 100 mm	GBP 217.00	GBP 271.00	GBP 380.00	GBP 505.00		
130 x 150 mm	GBP 268.00	GBP 342.00	GBP 492.00			
266 x 300 mm	GBP 448.00	GBP 598.00				

Coil

Web Code

650-175-936
 263-144-779

Width 266mm

Length

0.5 m
 1 m

Quantity

1 Reel
 GBP 577.00
 GBP 768.00

Discs

Web Code

492-484-908
 560-623-461
 077-932-426
 741-558-443
 694-807-936
 850-990-458
 373-804-051

Diameter

4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm
 50 mm

		Quantity		
		10 discs	20 discs	50 discs
4 mm	GBP 189.00	GBP 215.00	GBP 277.00	
6 mm	GBP 199.00	GBP 229.00	GBP 298.00	
8 mm	GBP 208.00	GBP 242.00	GBP 320.00	
10 mm	GBP 218.00	GBP 256.00	GBP 342.00	
15 mm	GBP 242.00	GBP 290.00	GBP 395.00	
25 mm	GBP 290.00	GBP 358.00	GBP 503.00	
50 mm	GBP 410.00	GBP 528.00	GBP 773.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000251

Thickness **0.02mm**

Purity **99.6+%**

Temper **Annealed**

Size

Web Code

725-505-933
 013-347-084
 862-537-128
 547-313-928
 151-240-699

Size

25 x 25 mm
 50 x 50 mm
 95 x 100 mm
 150 x 150 mm
 197 x 300 mm

		Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 119.00	GBP 134.00	GBP 165.00	GBP 203.00	GBP 261.00	
50 x 50 mm	GBP 151.00	GBP 180.00	GBP 238.00	GBP 307.00	GBP 408.00	
95 x 100 mm	GBP 213.00	GBP 268.00	GBP 377.00	GBP 503.00	GBP 686.00	
150 x 150 mm	GBP 282.00	GBP 365.00	GBP 531.00	GBP 721.00		
197 x 300 mm	GBP 404.00	GBP 538.00	GBP 820.00			

Coil

Web Code

780-977-641
 688-247-503
 030-949-833

Width 180mm

Length

0.5 m
 1 m
 2 m

Quantity

1 Reel
 GBP 503.00
 GBP 666.00
 GBP 998.00

Discs

Web Code

591-051-892
 881-483-249
 185-401-434
 175-177-199
 897-149-426
 143-681-926
 960-248-212

Diameter

4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm
 50 mm

		Quantity		
		10 discs	20 discs	50 discs
4 mm	GBP 183.00	GBP 210.00	GBP 272.00	
6 mm	GBP 193.00	GBP 224.00	GBP 295.00	
8 mm	GBP 203.00	GBP 238.00	GBP 317.00	
10 mm	GBP 213.00	GBP 252.00	GBP 339.00	
15 mm	GBP 238.00	GBP 287.00	GBP 395.00	
25 mm	GBP 288.00	GBP 358.00	GBP 506.00	
50 mm	GBP 413.00	GBP 534.00	GBP 786.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000295

Thickness **0.025mm**

High Purity **99.99+%**

Temper **As rolled**

Size

Web Code

260-020-112
 502-513-281
 814-153-684

Size

25 x 25 mm
 50 x 50 mm
 100 x 100 mm

		Quantity		
		1pc	2pcs	5pcs
25 x 25 mm	GBP 204.00	GBP 265.00	GBP 390.00	
50 x 50 mm	GBP 343.00	GBP 503.00		
100 x 100 mm	GBP 934.00			

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

Metal – Titanium

Titanium

Ti



Foil

TI000290

Thickness **0.025mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

031-029-506
 878-697-274
 837-161-390
 645-165-294
 530-740-549

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 83.50	GBP 94.50	GBP 122.00	GBP 161.00	GBP 210.00
50 x 50 mm	GBP 97.50	GBP 114.00	GBP 152.00	GBP 204.00	GBP 272.00
100 x 100 mm	GBP 125.00	GBP 153.00	GBP 213.00	GBP 291.00	GBP 394.00
150 x 150 mm	GBP 152.00	GBP 191.00	GBP 275.00	GBP 377.00	
300 x 300 mm	GBP 234.00	GBP 307.00	GBP 458.00		

Coil

Web Code

541-201-473
 706-989-091
 373-635-638

Width 305mm

Length

0.5 m GBP 295.00
 1 m GBP 386.00
 2 m GBP 564.00

Quantity

Discs

Web Code

041-289-593
 161-195-367
 149-422-240
 677-783-752
 722-970-744
 371-344-688
 418-080-124

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 193.00	GBP 235.00	GBP 356.00
6 mm	GBP 198.00	GBP 241.00	GBP 365.00
8 mm	GBP 202.00	GBP 247.00	GBP 374.00
10 mm	GBP 206.00	GBP 252.00	GBP 384.00
15 mm	GBP 216.00	GBP 267.00	GBP 407.00
25 mm	GBP 237.00	GBP 297.00	GBP 453.00
50 mm	GBP 289.00	GBP 370.00	GBP 570.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000300

Thickness **0.03mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

998-215-480
 776-929-668
 116-205-498
 525-680-067
 710-000-318

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 94.00	GBP 100.00	GBP 115.00	GBP 133.00	GBP 164.00
50 x 50 mm	GBP 106.00	GBP 117.00	GBP 141.00	GBP 171.00	GBP 217.00
100 x 100 mm	GBP 130.00	GBP 151.00	GBP 194.00	GBP 246.00	GBP 323.00
150 x 150 mm	GBP 153.00	GBP 184.00	GBP 247.00	GBP 321.00	GBP 429.00
200 x 300 mm	GBP 198.00	GBP 248.00	GBP 348.00		

Coil

Web Code

780-329-650
 750-038-818
 754-861-569

Width 200mm

Length

0.5 m GBP 256.00
 1 m GBP 319.00
 2 m GBP 407.00

Quantity

Discs

Web Code

873-554-681
 194-325-373
 290-663-064
 332-886-005
 610-757-511
 344-689-593
 086-195-872

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 155.00	GBP 172.00	GBP 216.00
6 mm	GBP 158.00	GBP 177.00	GBP 222.00
8 mm	GBP 161.00	GBP 181.00	GBP 229.00
10 mm	GBP 164.00	GBP 185.00	GBP 236.00
15 mm	GBP 171.00	GBP 196.00	GBP 252.00
25 mm	GBP 186.00	GBP 217.00	GBP 286.00
50 mm	GBP 224.00	GBP 270.00	GBP 370.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000315

Thickness **0.05mm**
 Temper **As rolled**

High Purity **99.99+%**

Size

Web Code

136-555-505
 069-442-058
 680-253-151

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 194.00	GBP 251.00	GBP 367.00
50 x 50 mm	GBP 322.00	GBP 479.00	
100 x 100 mm	GBP 884.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

Titanium

Ti



Foil

TI000310

Thickness **0.05mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 774-477-060
 809-628-922
 203-623-286
 452-908-860
 162-476-409

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 74.50	GBP 83.50	GBP 105.00	GBP 136.00	GBP 171.00
50 x 50 mm	GBP 87.50	GBP 102.00	GBP 134.00	GBP 176.00	GBP 227.00
100 x 100 mm	GBP 113.00	GBP 138.00	GBP 190.00	GBP 256.00	GBP 341.00
150 x 150 mm	GBP 138.00	GBP 173.00	GBP 247.00	GBP 336.00	
300 x 300 mm	GBP 214.00	GBP 281.00	GBP 417.00		

Coil

Web Code
 446-242-685
 613-602-427
 700-305-724

Length	Quantity
	1 Reel
0.5 m	GBP 282.00
1 m	GBP 365.00
2 m	GBP 481.00

Discs

Web Code
 085-074-265
 634-286-980
 285-865-592
 733-188-886
 648-612-419
 076-552-726
 569-092-458

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 155.00	GBP 176.00	GBP 237.00
6 mm	GBP 158.00	GBP 180.00	GBP 244.00
8 mm	GBP 161.00	GBP 185.00	GBP 251.00
10 mm	GBP 164.00	GBP 189.00	GBP 258.00
15 mm	GBP 172.00	GBP 201.00	GBP 276.00
25 mm	GBP 188.00	GBP 224.00	GBP 312.00
50 mm	GBP 229.00	GBP 280.00	GBP 402.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000351

Thickness **0.075mm**
 Temper **Annealed**

Purity **99.6+%**
 Condition **Flattened**

Size

Web Code
 241-256-776
 156-724-497
 025-928-623

Size	Quantity		
	1pc	5pcs	10pcs
100 x 100 mm	GBP 172.00	GBP 288.00	GBP 379.00
150 x 200 mm	GBP 237.00	GBP 303.00	GBP 435.00
200 x 300 mm	GBP 301.00	GBP 394.00	GBP 578.00

Discs

Web Code
 242-222-155
 735-695-837
 452-586-774
 197-150-362
 671-494-452
 734-313-015
 026-127-530

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 160.00	GBP 180.00	GBP 227.00
6 mm	GBP 166.00	GBP 188.00	GBP 240.00
8 mm	GBP 171.00	GBP 196.00	GBP 253.00
10 mm	GBP 177.00	GBP 204.00	GBP 266.00
15 mm	GBP 191.00	GBP 224.00	GBP 297.00
25 mm	GBP 219.00	GBP 264.00	GBP 361.00
50 mm	GBP 290.00	GBP 365.00	GBP 520.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000350

Thickness **0.075mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 123-954-154
 494-270-281
 783-783-283
 972-902-877
 612-862-167

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 99.00	GBP 107.00	GBP 126.00	GBP 149.00	GBP 186.00
50 x 50 mm	GBP 116.00	GBP 131.00	GBP 163.00	GBP 202.00	GBP 261.00
100 x 100 mm	GBP 149.00	GBP 178.00	GBP 238.00	GBP 308.00	GBP 411.00
150 x 150 mm	GBP 183.00	GBP 226.00	GBP 313.00	GBP 414.00	GBP 561.00
300 x 300 mm	GBP 283.00	GBP 368.00	GBP 538.00		

Coil

Web Code
 243-569-985
 607-769-501
 971-192-093

Length	Quantity
	1 Reel
0.5 m	GBP 368.00
1 m	GBP 477.00
2 m	GBP 631.00

Discs

Web Code
 386-192-659
 274-079-101
 259-896-320
 487-045-860
 880-728-253
 091-032-385
 379-046-876

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 157.00	GBP 176.00	GBP 221.00
6 mm	GBP 161.00	GBP 182.00	GBP 231.00
8 mm	GBP 166.00	GBP 188.00	GBP 240.00
10 mm	GBP 170.00	GBP 194.00	GBP 250.00
15 mm	GBP 180.00	GBP 209.00	GBP 273.00
25 mm	GBP 202.00	GBP 239.00	GBP 321.00
50 mm	GBP 255.00	GBP 314.00	GBP 440.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Foil

TI000371

Thickness **0.10mm**
 Temper **Annealed**

Purity **99.6+%**
 Condition **Flattened**

Size

Web Code
 630-171-429
 041-183-299

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
150 x 200 mm	GBP 261.00	GBP 337.00	GBP 488.00	GBP 681.00
200 x 300 mm	GBP 335.00	GBP 442.00	GBP 674.00	

Discs

Web Code
 423-021-686
 175-968-623
 907-277-026
 316-579-676
 094-437-742
 160-968-338
 637-919-830

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 162.00	GBP 182.00	GBP 231.00
6 mm	GBP 168.00	GBP 192.00	GBP 246.00
8 mm	GBP 175.00	GBP 201.00	GBP 261.00
10 mm	GBP 181.00	GBP 210.00	GBP 275.00
15 mm	GBP 198.00	GBP 233.00	GBP 312.00
25 mm	GBP 230.00	GBP 280.00	GBP 385.00
50 mm	GBP 312.00	GBP 396.00	GBP 570.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000370

Thickness **0.1mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 380-858-910
 607-371-481
 921-437-060
 179-629-378
 664-077-116

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 103.00	GBP 112.00	GBP 132.00	GBP 158.00	GBP 198.00
50 x 50 mm	GBP 122.00	GBP 139.00	GBP 175.00	GBP 218.00	GBP 284.00
100 x 100 mm	GBP 160.00	GBP 193.00	GBP 261.00	GBP 340.00	
150 x 150 mm	GBP 199.00	GBP 248.00	GBP 347.00		
300 x 300 mm	GBP 313.00	GBP 410.00			

Coil

Web Code
 189-018-411
 707-882-026

Width 300mm	Quantity	
	Length	1 Reel
0.5 m	GBP 405.00	
1 m	GBP 528.00	

Discs

Web Code
 809-251-386
 156-416-369
 552-049-618
 006-211-220
 776-410-055
 051-251-261
 406-410-729

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 160.00	GBP 179.00	GBP 225.00
6 mm	GBP 165.00	GBP 186.00	GBP 236.00
8 mm	GBP 169.00	GBP 193.00	GBP 247.00
10 mm	GBP 174.00	GBP 200.00	GBP 258.00
15 mm	GBP 186.00	GBP 217.00	GBP 285.00
25 mm	GBP 211.00	GBP 251.00	GBP 339.00
50 mm	GBP 272.00	GBP 337.00	GBP 476.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000385

Thickness **0.125mm**
 Temper **As rolled**

High Purity **99.99+%**

Size

Web Code
 727-305-262
 913-150-763
 143-849-769

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 160.00	GBP 203.00	GBP 326.00
50 x 50 mm	GBP 262.00	GBP 462.00	
100 x 100 mm	GBP 852.00		

Discs

Web Code
 981-214-161
 651-770-958
 471-373-838
 921-732-484
 216-554-361

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 200.00	GBP 258.00	GBP 337.00
6 mm	GBP 225.00	GBP 293.00	GBP 395.00
8 mm	GBP 250.00	GBP 330.00	GBP 493.00
10 mm	GBP 276.00	GBP 366.00	GBP 643.00
15 mm	GBP 337.00	GBP 555.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

Metal – Titanium

Titanium

Ti



Foil

TI000380

Thickness **0.125mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

057-906-071
 238-253-034
 781-636-016
 704-503-213
 062-901-753
 922-485-882

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 200 x 300 mm
 292 x 300 mm

		Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs	
25 x 25 mm	GBP 77.00	GBP 85.50	GBP 106.00	GBP 135.00	GBP 187.00	
50 x 50 mm	GBP 88.50	GBP 102.00	GBP 132.00	GBP 172.00	GBP 239.00	
100 x 100 mm	GBP 112.00	GBP 134.00	GBP 183.00	GBP 244.00	GBP 341.00	
150 x 150 mm	GBP 134.00	GBP 167.00	GBP 234.00	GBP 316.00		
200 x 300 mm	GBP 178.00	GBP 228.00	GBP 360.00			
292 x 300 mm	GBP 201.00	GBP 261.00				

Coil

Web Code
 545-948-500
 862-715-984

Width 292mm

Length **1 Reel**
 0.5 m GBP 237.00
 1 m GBP 334.00

Quantity

Discs

Web Code
 557-246-320
 655-797-546
 974-690-389
 836-290-194
 536-267-545
 033-446-776
 180-848-104

Diameter
 4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm
 50 mm

		Quantity		
	10 discs	20 discs	50 discs	
4 mm	GBP 158.00	GBP 197.00	GBP 240.00	
6 mm	GBP 161.00	GBP 201.00	GBP 247.00	
8 mm	GBP 164.00	GBP 205.00	GBP 253.00	
10 mm	GBP 166.00	GBP 210.00	GBP 260.00	
15 mm	GBP 174.00	GBP 220.00	GBP 276.00	
25 mm	GBP 188.00	GBP 240.00	GBP 309.00	
50 mm	GBP 225.00	GBP 292.00	GBP 390.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000382

Thickness **0.140mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

606-012-500
 010-177-731
 272-216-225
 027-035-967
 379-493-508
 742-088-872

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 160 x 300 mm
 300 x 300 mm

		Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs	
25 x 25 mm	GBP 78.00	GBP 87.00	GBP 108.00	GBP 139.00	GBP 192.00	
50 x 50 mm	GBP 90.50	GBP 105.00	GBP 136.00	GBP 178.00	GBP 248.00	
100 x 100 mm	GBP 116.00	GBP 140.00	GBP 192.00	GBP 257.00	GBP 359.00	
150 x 150 mm	GBP 141.00	GBP 175.00	GBP 248.00	GBP 336.00		
160 x 300 mm	GBP 175.00	GBP 224.00	GBP 325.00			
300 x 300 mm	GBP 215.00	GBP 281.00				

Coil

Web Code
 436-693-678
 751-563-854

Width 305mm

Length **1 Reel**
 0.5 m GBP 257.00
 1 m GBP 357.00

Quantity

Discs

Web Code
 028-375-940
 546-997-443
 374-685-253
 835-655-353
 456-918-924
 114-862-575
 357-818-460

Diameter
 4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm
 50 mm

		Quantity		
	10 discs	20 discs	50 discs	
4 mm	GBP 158.00	GBP 198.00	GBP 241.00	
6 mm	GBP 161.00	GBP 202.00	GBP 249.00	
8 mm	GBP 165.00	GBP 207.00	GBP 256.00	
10 mm	GBP 168.00	GBP 211.00	GBP 263.00	
15 mm	GBP 176.00	GBP 223.00	GBP 280.00	
25 mm	GBP 191.00	GBP 245.00	GBP 316.00	
50 mm	GBP 231.00	GBP 301.00	GBP 405.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000401

Thickness **0.2mm**
 Temper **Annealed**

Purity **99.6+%**
 Condition **Flattened**

Size

Web Code

907-888-770
 204-903-429
 313-677-415

Size
 50 x 50 mm
 100 x 100 mm
 200 x 300 mm

		Quantity			
	1pc	2pcs	5pcs	10pcs	
50 x 50 mm	GBP 111.00	GBP 133.00	GBP 181.00	GBP 241.00	
100 x 100 mm	GBP 156.00	GBP 197.00	GBP 282.00		
200 x 300 mm	GBP 286.00	GBP 381.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Foil

TI000400

Thickness **0.2mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

129-380-472
 580-405-247
 941-750-285
 236-895-810
 973-163-541

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 82.00	GBP 92.50	GBP 117.00	GBP 151.00	GBP 210.00
50 x 50 mm	GBP 98.50	GBP 116.00	GBP 154.00	GBP 203.00	GBP 283.00
100 x 100 mm	GBP 132.00	GBP 163.00	GBP 228.00	GBP 307.00	
150 x 150 mm	GBP 165.00	GBP 209.00	GBP 302.00		
300 x 300 mm	GBP 263.00	GBP 349.00			

Coil

Web Code
 825-843-223
 228-266-286

Width **300mm**

Length	1 Reel
	0.5 m
1 m	GBP 423.00

Discs

Web Code
 986-033-217
 968-970-654
 543-435-716
 178-645-566
 380-041-064
 595-064-213
 299-707-372

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 160.00	GBP 201.00	GBP 263.00
6 mm	GBP 164.00	GBP 207.00	GBP 273.00
8 mm	GBP 169.00	GBP 213.00	GBP 282.00
10 mm	GBP 173.00	GBP 219.00	GBP 291.00
15 mm	GBP 183.00	GBP 233.00	GBP 315.00
25 mm	GBP 204.00	GBP 263.00	GBP 362.00
50 mm	GBP 257.00	GBP 337.00	GBP 480.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000410

Thickness **0.25mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 768-534-698
 066-835-971
 354-498-924
 312-367-578
 045-940-137

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 83.50	GBP 95.00	GBP 121.00	GBP 156.00	GBP 216.00
50 x 50 mm	GBP 102.00	GBP 120.00	GBP 161.00	GBP 212.00	GBP 296.00
100 x 100 mm	GBP 137.00	GBP 171.00	GBP 241.00	GBP 326.00	
150 x 150 mm	GBP 173.00	GBP 221.00	GBP 321.00		
300 x 300 mm	GBP 281.00	GBP 373.00			

Coil

Web Code
 316-367-513
 742-519-425

Width **305mm**

Length	1 Reel
	0.5 m
1 m	GBP 458.00

Discs

Web Code
 674-850-554
 356-312-880
 539-103-561
 387-945-396
 493-170-938
 646-364-761
 795-591-392

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 161.00	GBP 202.00	GBP 265.00
6 mm	GBP 166.00	GBP 208.00	GBP 275.00
8 mm	GBP 170.00	GBP 215.00	GBP 285.00
10 mm	GBP 175.00	GBP 221.00	GBP 295.00
15 mm	GBP 186.00	GBP 237.00	GBP 321.00
25 mm	GBP 209.00	GBP 269.00	GBP 372.00
50 mm	GBP 266.00	GBP 350.00	GBP 500.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000416

Thickness **0.3mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 169-498-291
 235-167-601
 221-732-416

Size	Quantity		
	1pc	2pcs	5pcs
100 x 100 mm	GBP 142.00	GBP 177.00	GBP 251.00
150 x 150 mm	GBP 180.00	GBP 231.00	GBP 336.00
300 x 300 mm	GBP 294.00	GBP 393.00	

Coil

Web Code
 132-825-015
 554-285-099

Width **300mm**

Length	1 Reel
	0.5 m
1 m	GBP 480.00

Discs

Web Code
 408-518-289
 688-508-383
 143-762-475
 787-600-313
 644-217-040
 360-282-234
 548-345-091

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 162.00	GBP 203.00	GBP 266.00
6 mm	GBP 166.00	GBP 209.00	GBP 277.00
8 mm	GBP 171.00	GBP 216.00	GBP 288.00
10 mm	GBP 176.00	GBP 223.00	GBP 299.00
15 mm	GBP 188.00	GBP 240.00	GBP 326.00
25 mm	GBP 212.00	GBP 274.00	GBP 380.00
50 mm	GBP 273.00	GBP 361.00	GBP 517.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Foil

TI000419	Thickness	0.35mm	Purity	99.6+%
	Temper	Annealed	Condition	Platinised on both sides
	Size		Quantity	
Web Code	Size		1pc	
386-456-572	100 x 100 mm		GBP 404.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000423	Thickness	0.5mm	Purity	99.6+%
	Condition	Ion Implanted		
	Size		Quantity	
Web Code	Size		1pc	
116-312-044	50 x 50 mm		POA	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This material has been Ion Implanted with Nitrogen Ions to a dose of 3×10^{17} ions cm^{-2} .

TI000425	Thickness	0.5mm	Purity	99.6+%
	Temper	Annealed	Condition	Polished on both sides
	Size		Quantity	
Web Code	Size		1pc	2pcs
772-974-842	100 x 100 mm		GBP 148.00	GBP 191.00 GBP 289.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000421	Thickness	0.5mm	Purity	99.6+%
	Surface treatment	Titanium Nitride coating 2-3 microns		
	Size		Quantity	
Web Code	Size		1pc	2pcs
541-806-825	25 x 25 mm		GBP 119.00	GBP 145.00 GBP 199.00
725-858-944	50 x 50 mm		GBP 172.00	GBP 220.00
732-369-991	100 x 100 mm		GBP 278.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 This item is shown as an example of Titanium Nitride (TiN) coated material. Other items or your own material may also have a coating applied, please ask for more details.

TI000420	Thickness	0.5mm	Purity	99.6+%		
	Temper	Annealed				
	Size		Quantity			
Web Code	Size		1pc	2pcs	5pcs	10pcs
395-215-502	25 x 25 mm		GBP 79.00	GBP 88.00	GBP 111.00	GBP 142.00 GBP 178.00
401-947-946	50 x 50 mm		GBP 91.50	GBP 106.00	GBP 139.00	GBP 183.00 GBP 236.00
243-490-913	100 x 100 mm		GBP 117.00	GBP 143.00	GBP 197.00	GBP 264.00
436-363-166	150 x 150 mm		GBP 143.00	GBP 179.00	GBP 255.00	
545-396-026	300 x 300 mm		GBP 220.00	GBP 321.00		

	Discs		Quantity		
Web Code	Diameter		10 discs	20 discs	50 discs
174-503-000	4 mm		GBP 174.00	GBP 200.00	GBP 275.00
812-883-333	6 mm		GBP 178.00	GBP 206.00	GBP 284.00
610-424-962	8 mm		GBP 182.00	GBP 211.00	GBP 292.00
303-115-363	10 mm		GBP 186.00	GBP 217.00	GBP 301.00
889-416-404	15 mm		GBP 195.00	GBP 230.00	GBP 323.00
177-058-647	25 mm		GBP 215.00	GBP 258.00	GBP 367.00
132-334-408	50 mm		GBP 264.00	GBP 328.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI000417	Thickness	0.5mm	Purity	99.6+%	
	Temper	Annealed	Condition	Polished on 1 side	
	Size		Quantity		
Web Code	Size		1pc	2pcs	5pcs
832-171-022	10 x 10 mm		GBP 137.00	GBP 170.00	GBP 254.00 GBP 445.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Metal – Titanium

Titanium

Ti



Foil

TI000422

Thickness **0.7mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

205-817-696
 727-209-309
 901-170-200
 646-283-102
 785-398-996
 174-873-228

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 85.00	GBP 92.50	GBP 109.00	GBP 130.00	GBP 164.00
50 x 50 mm	GBP 99.50	GBP 113.00	GBP 141.00	GBP 175.00	GBP 228.00
100 x 100 mm	GBP 128.00	GBP 154.00	GBP 205.00	GBP 266.00	
150 x 150 mm	GBP 157.00	GBP 194.00	GBP 270.00		
300 x 300 mm	GBP 243.00	GBP 316.00			
500 x 500 mm	GBP 358.00				

Discs

Web Code

859-151-435
 393-937-489
 242-177-694
 272-211-949
 026-499-559
 312-438-349
 054-791-401

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 149.00	GBP 169.00	GBP 218.00
6 mm	GBP 153.00	GBP 175.00	GBP 227.00
8 mm	GBP 157.00	GBP 181.00	GBP 236.00
10 mm	GBP 161.00	GBP 186.00	GBP 245.00
15 mm	GBP 171.00	GBP 200.00	GBP 267.00
25 mm	GBP 191.00	GBP 229.00	GBP 312.00
50 mm	GBP 242.00	GBP 300.00	GBP 425.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI000432

Thickness **1.0mm**
 Temper **As rolled**

High Purity **99.99+%**

Size

Web Code

584-866-631
 108-336-569
 542-069-398

Size	Quantity		
	1pc	2pcs	5pcs
25 x 25 mm	GBP 177.00	GBP 235.00	GBP 363.00
50 x 50 mm	GBP 267.00	GBP 391.00	
100 x 100 mm	GBP 654.00		

Discs

Web Code

758-671-372
 833-914-083
 239-257-642
 907-208-069
 401-012-081

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 333.00	GBP 471.00	GBP 863.00
6 mm	GBP 359.00	GBP 508.00	GBP 922.00
8 mm	GBP 385.00	GBP 545.00	GBP 983.00
10 mm	GBP 412.00	GBP 583.00	GBP 1075.00
15 mm	GBP 476.00	GBP 688.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI000433

Thickness **1.0mm**
 Temper **As rolled**

High Purity **99.999%**

Size

Web Code

812-737-861
 592-230-675

Size	Quantity	
	1pc	2pcs
25 x 25 mm	GBP 279.00	GBP 380.00
50 x 50 mm	GBP 543.00	

Discs

Web Code

603-234-420
 404-307-191
 538-399-744
 299-968-929

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	GBP 391.00	GBP 554.00	GBP 995.00
6 mm	GBP 447.00	GBP 634.00	
8 mm	GBP 504.00	GBP 715.00	
10 mm	GBP 561.00		

Typical Analysis : Al 2, Cu 1, Fe 3, Si 1, Sn 1

TI000431

Thickness **1.0mm**
 Surface treatment **Titanium Nitride coating 2-3 microns**

Purity **99.6+%**

Size

Web Code

702-374-695
 796-826-641
 603-328-130

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 115.00	GBP 140.00	GBP 192.00	GBP 256.00
50 x 50 mm	GBP 165.00	GBP 210.00	GBP 303.00	
100 x 100 mm	GBP 265.00			

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Foil

TI000430

Thickness **1.0mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

457-003-322
 125-412-506
 676-571-029
 571-381-273
 422-657-739
 832-224-674

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 300 x 300 mm
 500 x 500 mm

Quantity					
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 76.00	GBP 87.50	GBP 118.00	GBP 165.00	GBP 253.00
50 x 50 mm	GBP 86.50	GBP 102.00	GBP 142.00	GBP 198.00	GBP 299.00
100 x 100 mm	GBP 107.00	GBP 131.00	GBP 188.00	GBP 263.00	
150 x 150 mm	GBP 128.00	GBP 161.00	GBP 234.00		
300 x 300 mm	GBP 189.00	GBP 277.00			
500 x 500 mm	GBP 349.00				

Discs

Web Code

028-078-493
 509-804-178
 725-523-593
 690-438-003
 304-758-631
 094-828-900
 853-618-903

Diameter
 4 mm
 6 mm
 8 mm
 10 mm
 15 mm
 25 mm
 50 mm

Quantity			
	10 discs	20 discs	50 discs
4 mm	GBP 200.00	GBP 284.00	GBP 411.00
6 mm	GBP 203.00	GBP 288.00	GBP 417.00
8 mm	GBP 206.00	GBP 292.00	GBP 424.00
10 mm	GBP 209.00	GBP 296.00	GBP 430.00
15 mm	GBP 216.00	GBP 306.00	GBP 446.00
25 mm	GBP 230.00	GBP 327.00	GBP 479.00
50 mm	GBP 266.00	GBP 378.00	GBP 561.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI000436

Thickness **1.20mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

145-934-621
 463-826-320

Size
 150 x 150 mm
 300 x 300 mm

Quantity			
	1pc	2pcs	5pcs
150 x 150 mm	GBP 179.00	GBP 226.00	GBP 320.00
300 x 300 mm	GBP 288.00	GBP 390.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI000437

Thickness **1.5mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

101-479-356
 684-924-816
 615-609-851
 951-226-388
 903-294-963

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 300 x 300 mm

Quantity					
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 89.00	GBP 98.50	GBP 118.00	GBP 143.00	GBP 182.00
50 x 50 mm	GBP 108.00	GBP 124.00	GBP 159.00	GBP 201.00	GBP 265.00
100 x 100 mm	GBP 145.00	GBP 177.00	GBP 242.00	GBP 318.00	
150 x 150 mm	GBP 181.00	GBP 229.00	GBP 325.00		
300 x 300 mm	GBP 292.00	GBP 451.00			

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.
 We can also offer 99.99% material, prices on request.

TI000441

Thickness **2.0mm**
 Surface treatment **Titanium Nitride coating 2-3 microns**

Purity **99.6+%**

Size

Web Code

936-788-231
 098-526-117
 315-763-502

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm

Quantity				
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	GBP 121.00	GBP 146.00	GBP 199.00	GBP 266.00
50 x 50 mm	GBP 173.00	GBP 219.00	GBP 315.00	
100 x 100 mm	GBP 276.00			

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.
 This item is shown as an example of Titanium Nitride (TiN) coated material.

TI000440

Thickness **2.0mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

263-376-857
 922-100-049
 262-509-593
 813-694-122
 711-767-761
 970-963-485

Size
 25 x 25 mm
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 300 x 300 mm
 500 x 500 mm

Quantity					
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	GBP 90.50	GBP 100.00	GBP 121.00	GBP 147.00	GBP 188.00
50 x 50 mm	GBP 110.00	GBP 128.00	GBP 165.00	GBP 209.00	GBP 276.00
100 x 100 mm	GBP 149.00	GBP 183.00	GBP 253.00	GBP 333.00	
150 x 150 mm	GBP 189.00	GBP 239.00	GBP 341.00		
300 x 300 mm	GBP 307.00	GBP 410.00			
500 x 500 mm	GBP 540.00				

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI000450

Thickness **2.5mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

527-982-693
 232-154-309
 848-973-878
 324-906-607

Size
 50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 300 x 300 mm

Quantity					
	1pc	2pcs	5pcs	10pcs	20pcs
50 x 50 mm	GBP 115.00	GBP 134.00	GBP 175.00	GBP 223.00	GBP 296.00
100 x 100 mm	GBP 159.00	GBP 197.00	GBP 274.00	GBP 363.00	GBP 569.00
150 x 150 mm	GBP 203.00	GBP 259.00	GBP 372.00	GBP 613.00	
300 x 300 mm	GBP 335.00	GBP 495.00	GBP 1133.00		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Titanium

Ti



Foil

TI000460

Thickness **3.0mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code

881-241-821
 155-226-563
 403-321-253
 549-675-408
 415-152-205

Size

50 x 50 mm
 100 x 100 mm
 150 x 150 mm
 190 x 300 mm
 300 x 300 mm

Quantity

1pc	2pcs	5pcs
GBP 118.00	GBP 139.00	GBP 183.00
GBP 166.00	GBP 207.00	GBP 290.00
GBP 214.00	GBP 274.00	
GBP 298.00		
GBP 356.00		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI000500

Thickness **3.2mm**
 Temper **As rolled**

High Purity **99.99+%**

Size

Web Code

894-032-736
 754-091-171
 261-396-631

Size

25 x 25 mm
 50 x 50 mm
 100 x 100 mm

Quantity

1pc	2pcs	5pcs
GBP 184.00	GBP 246.00	GBP 379.00
GBP 282.00	GBP 439.00	
GBP 750.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.



Sheet

TI003140

Thickness **4.0mm**
 Temper **Annealed**

Purity **99.6+%**

Discs

Web Code

192-447-187

Diameter

26 mm

Quantity

1 pcs	2 pcs
GBP POA	GBP POA

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI003150

Thickness **5.0mm**
 Purity **99.6+%**

Tolerance **20 %**
 Temper **Annealed**

Size

Web Code

433-101-802
 121-072-818

Size

150 x 150 mm
 300 x 300 mm

Quantity

1pc
POA
POA

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI003151

Thickness **5.0mm**
 Purity **99.6+%**

Tolerance **20 %**
 Temper **Annealed**

Size

Web Code

846-346-453

Size

20 x 20 mm

Quantity

1pc	2pcs	5pcs	10pcs
GBP 73.50	GBP 90.00	GBP 132.00	GBP 226.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI003200

Thickness **7.0mm**

Purity **99.6+%**

Size

Web Code

739-589-782
 448-715-217

Size

150 x 150 mm
 300 x 300 mm

Quantity

1pc
POA
POA

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI003230

Thickness **8.0mm**

Purity **99.6+%**

Size

Web Code

089-994-764
 609-269-915
 117-989-168
 322-171-842

Size

75 x 75 mm
 75 x 105 mm
 90 x 340 mm
 92 x 498 mm

Quantity

1pc
POA
POA
POA
POA

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI003250

Thickness **12.0mm**

Purity **99.6+%**

Size

Web Code

089-409-444
 176-182-493

Size

150 x 150 mm
 300 x 300 mm

Quantity

1pc
POA
POA

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Sputtering Target

TI009100	Thickness 1.0mm	High Purity 99.99+%
Size	Quantity	
Web Code	Disc diam.	1disc
393-206-927	33 mm	POA
Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3. These targets are normally available for immediate shipment from stock. Other sizes are available to special order.		
TI009300	Thickness 3.0mm	High Purity 99.99+%
Size	Quantity	
Web Code	Disc diam.	1disc
877-206-666	25 mm	POA
789-984-168	50 mm	POA
748-016-513	75 mm	POA
Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3. These targets are normally available for immediate shipment from stock. Other sizes are available to special order.		
TI009301	Thickness 3.0mm	Purity 99.6+%
Size	Quantity	
Web Code	Disc diam.	1disc
502-063-393	50 mm	POA
757-916-720	75 mm	POA
Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500. These targets are normally available for immediate shipment from stock. Other sizes are available to special order.		
TI009600	Thickness 6.0mm	High Purity 99.99+%
Size	Quantity	
Web Code	Disc diam.	1disc
388-404-527	25.4 mm	POA
327-130-952	50 mm	POA
930-533-923	75 mm	POA
894-411-415	101.6 mm	POA
Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3. These targets are normally available for immediate shipment from stock. Other sizes are available to special order.		
TI009512	Thickness 6.0mm	Purity 99.6+%
Size	Quantity	
Web Code	Disc diam.	1disc
503-269-618	120 mm	POA
Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.		
TI009515	Thickness 6.0mm	Purity 99.6+%
Size	Quantity	
Web Code	Disc diam.	1disc
908-701-507	152.4 mm	POA
Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.		
TI009520	Thickness 6.0mm	Purity 99.6+%
Size	Quantity	
Web Code	Disc diam.	1disc
587-693-758	203.2 mm	POA
Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.		
TI009700	Thickness 7.0mm	Purity 99.6+%
Size	Quantity	
Web Code	Disc diam.	1disc
073-522-547	50 mm	POA
190-319-810	75 mm	POA
Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500. These targets are normally available for immediate shipment from stock. Other sizes are available to special order.		

Metal – Titanium

Titanium

Ti



Mesh

TI008710

Nominal Aperture..... **0.19mm**
 Wires/inch..... **60x60**
 Weave..... **Twill**

Wire diameter..... **0.23mm**
 Open area **20%**

Size

Web Code
 113-282-527
 160-318-438
 039-809-321

Size	Quantity		
	1pc	2pcs	5pcs
50 x 50 mm	GBP 244.00	GBP 325.00	GBP 466.00
100 x 100 mm	GBP 338.00	GBP 459.00	GBP 687.00
150 x 150 mm	GBP 433.00	GBP 593.00	

TI008720

Nominal Aperture..... **4.3mm**
 Wires/inch..... **4.4x4.4**
 Condition..... **Diamond pattern**

Wire diameter..... **1.5mm**
 Open area **94%**
 Condition..... **Platinised**

Size

Web Code
 293-740-051

Size	Quantity
	1pc
100 x 100 mm	GBP 377.00



Wire

TI005100

Diameter..... **0.05mm**
 Temper..... **Hard**

Purity..... **99.8%**

Length

Web Code
 703-333-766
 916-721-398
 590-169-228
 771-155-069
 044-552-997

Length	Quantity
	1 Reel
10 m	GBP 197.00
20 m	GBP 240.00
50 m	GBP 328.00
100 m	GBP 427.00
200 m	GBP 568.00

Typical Analysis : Al 1, Cr 30, Cu 10, Fe 90, Mg 10, Mn 400, Ni 50, Si 30, V 50, H 80, N 20, O 400.

TI005108

Diameter..... **0.08mm**
 Temper..... **As drawn**

Purity..... **99.6+%**

Length

Web Code
 688-190-022

Length	Quantity
	1 Reel
10 m	GBP 197.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI005112

Diameter..... **0.125mm**
 Temper..... **Annealed**

Purity..... **99.6+%**

Length

Web Code
 162-135-533
 266-947-713
 622-638-419
 368-464-341
 349-966-852

Length	Quantity
	1 Reel
10 m	GBP 129.00
20 m	GBP 156.00
50 m	GBP 212.00
100 m	GBP 276.00
200 m	GBP 370.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI005119

Diameter..... **0.20mm**
 Temper..... **As drawn**

Purity..... **99.6+%**

Length

Web Code
 109-417-803

Length	Quantity
	1 Reel
10 m	GBP 125.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 10m reels only.

TI005121

Diameter..... **0.20mm**
 Temper..... **Annealed**

Purity..... **99.6+%**

Length

Web Code
 407-756-100
 474-042-012
 963-914-025
 782-680-564
 364-257-070
 434-034-311

Length	Quantity
	1 Reel
1 m	GBP 86.00
5 m	GBP 103.00
25 m	GBP 140.00
100 m	GBP 208.00
200 m	GBP 268.00
500 m	GBP 517.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Wire

TI005124

Diameter **0.25mm**
 Temper **As drawn**

Purity **99.6+%**

Length

Web Code
 552-625-721

Quantity	
Length	1 Reel
10 m	GBP 121.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.
 10m reels only.

TI005120

Diameter **0.25mm**
 Temper **As drawn**

High Purity **99.99+%**

Length

Web Code
 254-793-337
 849-171-880
 146-486-879
 310-857-604

Quantity	
Length	1 Reel
0.5 m	GBP 113.00
1 m	GBP 141.00
2 m	GBP 182.00
5 m	GBP 272.00

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI005122

Diameter **0.25mm**
 Temper **Annealed**

Purity **99.6+%**

Length

Web Code
 782-345-219
 793-150-275
 143-776-319
 972-049-909
 506-244-341
 280-545-040

Quantity	
Length	1 Reel
1 m	GBP 87.00
5 m	GBP 104.00
25 m	GBP 143.00
100 m	GBP 215.00
200 m	GBP 277.00
500 m	GBP 563.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI005123

Diameter **0.25mm**
 Temper **As drawn**

Purity **99.6+%**

Length

Web Code
 128-690-626
 969-449-238
 557-759-758
 461-325-340
 007-612-179
 510-587-840

Quantity	
Length	1 Reel
1 m	GBP 87.00
5 m	GBP 104.00
25 m	GBP 143.00
100 m	GBP 215.00
200 m	GBP 277.00
500 m	GBP 563.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI005127

Diameter **0.5mm**
 Temper **Annealed**

Purity **99.975+%**

Length

Web Code
 341-440-179
 680-020-060
 002-501-645

Quantity	
Length	1 Reel
0.5 m	GBP 113.00
1 m	GBP 141.00
2 m	GBP 189.00

Typical Analysis : Al <10, Ca <5, Cr <10, Cu <5, Fe <160, K <1, Li <1, Mg <10, Mo <10, Na <1, Si <10.

TI005128

Diameter **0.5mm**
 Temper **As drawn**

High Purity **99.99+%**

Length

Web Code
 809-328-225
 166-027-687
 753-455-659
 181-958-579

Quantity	
Length	1 Reel
0.5 m	GBP 122.00
1 m	GBP 154.00
2 m	GBP 200.00
5 m	GBP 360.00

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI005125

Diameter **0.5mm**
 Temper **As drawn**

Purity **99.6+%**

Length

Web Code
 068-135-256
 516-906-634
 613-334-558
 666-822-887
 352-853-849

Quantity	
Length	1 Reel
1 m	GBP 85.00
5 m	GBP 104.00
25 m	GBP 148.00
100 m	GBP 228.00
200 m	GBP 307.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Metal – Titanium

Titanium

Ti



Wire

TI005126

Diameter **0.75mm** Purity **99.6+%**
 Temper **As drawn**

Length		Quantity	
Web Code	Length	1 Reel	
269-768-530	1 m	GBP 91.00	
906-884-492	5 m	GBP 117.00	
767-359-636	10 m	GBP 137.00	
691-686-624	20 m	GBP 166.00	
612-284-036	50 m	GBP 223.00	
717-833-543	100 m	GBP 293.00	

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI005320

Diameter **1.0mm** Purity **99.6+%**
 Condition **Straight wire** Temper **As drawn**

Web Code	Length	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
				3.6g	#1000 mm#	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI005130

Diameter **1.0mm** Purity **99.6+%**
 Temper **Annealed**

Length		Quantity	
Web Code	Length	1 Reel	
762-664-231	0.5 m	GBP 81.50	
333-028-321	1 m	GBP 89.50	
628-549-595	5 m	GBP 123.00	
568-687-660	25 m	GBP 199.00	
085-951-196	100 m	GBP 377.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI005129

Diameter **1.0mm** Purity **99.6+%**
 Temper **As drawn**

Length		Quantity	
Web Code	Length	1 Reel	
710-202-350	0.5 m	GBP 81.50	
775-296-397	1 m	GBP 89.50	
912-044-669	5 m	GBP 123.00	
005-581-872	25 m	GBP 199.00	
697-731-818	100 m	GBP 377.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI005135

Diameter **1.0mm** High Purity **99.99+%**
 Temper **As drawn**

Length		Quantity	
Web Code	Length	1 Reel	
743-899-888	0.5 m	GBP 145.00	
987-481-525	1 m	GBP 180.00	
435-199-458	2 m	GBP 232.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI005136

Diameter **1.0mm** Purity **99.99+%**
 Temper **Annealed**

Length		Quantity	
Web Code	Length	1 Reel	
684-191-326	0.5 m	GBP 145.00	
301-401-658	1 m	GBP 180.00	
042-269-369	2 m	GBP 232.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI005140

Diameter **1.5mm** Purity **99.6+%**
 Temper **As drawn**

Length		Quantity	
Web Code	Length	1 Reel	
809-085-444	1 m	GBP 100.00	
506-434-790	5 m	GBP 147.00	
941-505-933	10 m	GBP 183.00	
755-186-249	20 m	GBP 233.00	
833-122-096	50 m	GBP 367.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Wire

TI005160

Diameter **3.0mm**
 Temper **Annealed**

Purity **99.6+%**

Length
Web Code
 902-253-893

Quantity	
Length	1 Reel
1 m	GBP 126.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.



Rod

TI007905

Diameter **1.5mm**
 Temper **Annealed**

Purity **99.6+%**

Size
Web Code
 726-938-831
 455-869-852
 038-382-829
 341-063-631

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	GBP 85.50	GBP 103.00	GBP 127.00	GBP 162.00	GBP 229.00
200 mm	GBP 88.50	GBP 108.00	GBP 134.00	GBP 172.00	GBP 243.00
500 mm	GBP 95.00	GBP 117.00	GBP 148.00	GBP 192.00	GBP 272.00
1000 mm	GBP 102.00	GBP 127.00	GBP 164.00	GBP 215.00	GBP 303.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007910

Diameter **2mm**
 Temper **Annealed**

Purity **99.6+%**

Size
Web Code
 613-226-991
 653-367-004
 039-162-907
 860-685-368

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	GBP 87.50	GBP 106.00	GBP 131.00	GBP 169.00	GBP 239.00
200 mm	GBP 91.50	GBP 112.00	GBP 140.00	GBP 182.00	GBP 257.00
490 mm	GBP 99.50	GBP 123.00	GBP 158.00	GBP 206.00	GBP 292.00
1000 mm	GBP 109.00	GBP 136.00	GBP 178.00	GBP 236.00	GBP 346.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007911

Diameter **2mm**
 Temper **As drawn**

High Purity **99.99+%**

Size
Web Code
 669-911-794
 626-767-595
 331-228-329
 587-909-642

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 111.00	GBP 134.00	GBP 172.00	GBP 264.00
200 mm	GBP 130.00	GBP 160.00	GBP 260.00	GBP 450.00
500 mm	GBP 166.00	GBP 257.00	GBP 539.00	
1000 mm	GBP 253.00	GBP 444.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007913

Diameter **2mm**
 Temper **Annealed**

Purity **99.99+%**

Size
Web Code
 487-942-601
 720-919-424
 246-190-801
 263-199-777

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 121.00	GBP 143.00	GBP 182.00	GBP 273.00
200 mm	GBP 139.00	GBP 169.00	GBP 269.00	GBP 459.00
500 mm	GBP 175.00	GBP 267.00	GBP 548.00	
1000 mm	GBP 263.00	GBP 453.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007915

Diameter **3.0mm**
 Temper **Annealed**

Purity **99.6+%**

Size
Web Code
 993-901-341
 177-055-164
 167-721-605
 548-835-815

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	GBP 90.50	GBP 110.00	GBP 138.00	GBP 178.00	GBP 252.00
200 mm	GBP 96.00	GBP 118.00	GBP 150.00	GBP 195.00	GBP 276.00
500 mm	GBP 106.00	GBP 133.00	GBP 174.00	GBP 229.00	GBP 325.00
1000 mm	GBP 118.00	GBP 150.00	GBP 200.00	GBP 268.00	GBP 455.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007916

Diameter **4mm**
 Temper **Annealed**

Purity **99.6+%**

Size
Web Code
 647-843-137
 549-782-494
 814-360-570
 144-236-334

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	GBP 96.00	GBP 117.00	GBP 147.00	GBP 189.00	GBP 264.00
200 mm	GBP 103.00	GBP 127.00	GBP 162.00	GBP 211.00	GBP 295.00
500 mm	GBP 116.00	GBP 146.00	GBP 192.00	GBP 263.00	GBP 444.00
1000 mm	GBP 132.00	GBP 168.00	GBP 237.00	GBP 390.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Rod

TI007920

Diameter **5mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 585-670-678
 208-829-984
 103-746-780
 968-344-939

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	GBP 96.50	GBP 118.00	GBP 148.00	GBP 191.00	GBP 267.00
200 mm	GBP 104.00	GBP 128.00	GBP 164.00	GBP 214.00	GBP 301.00
500 mm	GBP 118.00	GBP 148.00	GBP 196.00	GBP 274.00	GBP 466.00
1000 mm	GBP 134.00	GBP 171.00	GBP 247.00	GBP 412.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007918

Diameter **5.0mm**
 Temper **As drawn**

Purity **99.99+%**

Size

Web Code
 428-536-198
 267-928-716

Length	Quantity	
	1pc	2pcs
50 mm	GBP 198.00	GBP 249.00
100 mm	GBP 236.00	GBP 303.00

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007921

Diameter **6mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 043-116-388
 389-540-768
 692-593-155
 574-141-796

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 107.00	GBP 132.00	GBP 165.00	GBP 211.00
200 mm	GBP 116.00	GBP 144.00	GBP 184.00	GBP 238.00
500 mm	GBP 133.00	GBP 168.00	GBP 222.00	GBP 344.00
1000 mm	GBP 152.00	GBP 195.00	GBP 317.00	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007923

Diameter **6.2mm**
 Temper **Annealed**

Purity **99.99+%**

Size

Web Code
 017-601-271
 571-501-549
 384-667-485

Length	Quantity
	1pc
154 mm	GBP 276.00
370 mm	GBP 452.00
895 mm	GBP 946.00

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007922

Diameter **6.35mm**
 Temper **Annealed**

High Purity **99.99+%**

Size

Web Code
 664-090-505
 519-300-427
 277-294-013

Length	Quantity	
	1pc	2pcs
50 mm	GBP 202.00	GBP 255.00
100 mm	GBP 243.00	GBP 312.00
200 mm	GBP 300.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007925

Diameter **8.0mm**
 Temper **As drawn**

High Purity **99.99+%**

Size

Web Code
 823-918-786
 405-093-456
 986-116-236

Length	Quantity	
	1pc	2pcs
50 mm	GBP 228.00	GBP 291.00
100 mm	GBP 278.00	GBP 414.00
200 mm	GBP 402.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007931

Diameter **9.5mm**
 Temper **Annealed**

High Purity **99.99+%**

Size

Web Code
 351-300-359
 912-539-653
 918-599-677
 824-951-989

Length	Quantity		
	1pc	2pcs	5pcs
25 mm	GBP 207.00	GBP 262.00	GBP 385.00
50 mm	GBP 250.00	GBP 324.00	
100 mm	GBP 311.00	GBP 530.00	
200 mm	GBP 518.00		

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007930

Diameter **10mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 767-723-911
 965-493-289
 686-650-782
 831-348-743

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 117.00	GBP 141.00	GBP 179.00	GBP 229.00
200 mm	GBP 128.00	GBP 157.00	GBP 205.00	
500 mm	GBP 152.00	GBP 190.00		
1000 mm	GBP 178.00			

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Titanium

Ti



Rod

TI007937

Diameter **16mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 390-400-846
 800-104-921
 013-124-908
 640-617-607

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	GBP 131.00	GBP 160.00	GBP 208.00
200 mm	GBP 147.00	GBP 183.00	GBP 281.00
500 mm	GBP 178.00	GBP 265.00	
1000 mm	GBP 251.00		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007938

Diameter **16mm**
 Temper **As drawn**

High Purity **99.99+%**

Size

Web Code
 501-713-189
 480-926-876
 877-169-973

Length	Quantity	
	1pc	2pcs
25 mm	GBP 230.00	GBP 299.00
50 mm	GBP 287.00	GBP 484.00
100 mm	GBP 472.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007940

Diameter **20mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 650-810-444
 354-463-169
 307-897-152
 487-146-660
 077-206-463

Length	Quantity		
	1pc	2pcs	5pcs
50 mm	GBP 100.00	GBP 119.00	POA
100 mm	GBP 111.00	GBP 134.00	POA
200 mm	GBP 127.00	POA	
500 mm	POA		
1000 mm	POA		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007941

Diameter **20mm**
 Temper **As drawn**

High Purity **99.99+%**

Size

Web Code
 417-393-521
 049-096-533
 097-147-193

Length	Quantity	
	1pc	2pcs
25 mm	GBP 240.00	GBP 323.00
50 mm	GBP 311.00	GBP 542.00
100 mm	GBP 530.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007945

Diameter **25mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 667-385-278
 570-710-445
 249-765-258
 390-711-673
 894-550-342

Length	Quantity		
	1pc	2pcs	5pcs
50 mm	GBP 107.00	GBP 128.00	POA
100 mm	GBP 121.00	GBP 153.00	POA
200 mm	GBP 146.00	POA	
500 mm	POA		
1000 mm	POA		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007946

Diameter **25mm**
 Temper **As drawn**

High Purity **99.99+%**

Size

Web Code
 373-425-482
 946-302-718

Length	Quantity	
	1pc	2pcs
25 mm	GBP 271.00	GBP 425.00
50 mm	GBP 413.00	

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007947

Diameter **30mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 483-440-583
 330-430-696
 609-494-572
 897-523-046
 210-713-265

Length	Quantity		
	1pc	2pcs	5pcs
50 mm	GBP 113.00	GBP 137.00	POA
100 mm	GBP 130.00	GBP 184.00	POA
200 mm	GBP 176.00	POA	
500 mm	POA		
1000 mm	POA		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Rod

TI007948

Diameter **40mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 727-887-547
 177-997-770
 430-360-174
 670-459-346
 336-998-532

Length	Quantity		
	1pc	2pcs	5pcs
50 mm	GBP 127.00	GBP 172.00	POA
100 mm	GBP 165.00	POA	
200 mm	POA		
500 mm	POA		
1000 mm	POA		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007950

Diameter **50mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 368-631-967
 893-334-663
 666-829-969
 353-747-982
 218-490-266
 642-046-246

Length	Quantity		
	1pc	2pcs	5pcs
25 mm	GBP 125.00	GBP 159.00	POA
50 mm	GBP 150.00	POA	
100 mm	POA		
200 mm	POA		
500 mm	POA		
1000 mm	POA		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI007955

Diameter **50mm**

High Purity **99.99+%**

Size

Web Code
 311-277-120
 909-639-289

Length	1pc
	10 mm
25 mm	GBP 523.00

Typical Analysis : Al <3, Ca <2, Cr <6, Cu <10, Fe <10, Mg <1, Mn <1, Nb <5, Ni <3, S <1, Si <5, V <3, Zn <1, Zr <3.

TI007975

Diameter **75mm**
 Temper **Annealed**

Purity **99.6+%**

Size

Web Code
 045-504-645
 010-155-025
 289-420-615
 957-338-168
 423-492-152
 299-047-015

Length	Quantity	
	1pc	2pcs
25 mm	GBP 147.00	POA
50 mm	POA	
100 mm	POA	
200 mm	POA	
500 mm	POA	
1000 mm	POA	

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.



Bar

TI008003

Side Length **10mm**
 Purity **99.6+%**

Side Length (of longer side) **12mm**

Size

Web Code
 024-847-271
 871-756-044
 655-568-722
 289-180-194

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 59.00	GBP 71.00	GBP 97.50	GBP 163.00
200 mm	GBP 70.00	GBP 87.00	GBP 161.00	
500 mm	GBP 95.50	GBP 160.00		
1000 mm	GBP 159.00	GBP 287.00		

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI008010

Side Length **50mm**
 Purity **99.6+%**

Side Length (of longer side) **50mm**

Size

Web Code
 943-781-460

Length	1pc
	100 mm

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.



Tube

TI007050

Outside Diameter **0.51mm**
 Inside Diameter **0.35mm**
 Temper **Annealed**

Wall Thickness **0.08mm**
 Purity **99.6+%**

Size

Web Code
 139-002-057
 375-258-559
 907-315-054

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	GBP 230.00	GBP 285.00	GBP 504.00
200 mm	GBP 277.00	GBP 425.00	
500 mm	GBP 491.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Tube

TI007054	Outside Diameter..... 0.635mm	Wall Thickness..... 0.152mm	
	Inside Diameter..... 0.331mm	Purity..... 99.6+%	
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
809-010-195	100 mm	GBP 218.00 GBP 268.00 GBP 429.00	
300-931-847	200 mm	GBP 260.00 GBP 365.00 GBP 729.00	
100-857-780	500 mm	GBP 416.00 GBP 724.00	
210-542-591	1000 mm	GBP 716.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007060	Outside Diameter..... 0.81mm	Wall Thickness..... 0.1mm	
	Inside Diameter..... 0.61mm	Purity..... 99.6+%	
Temper..... As drawn			
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
212-007-468	100 mm	GBP 218.00 GBP 268.00 GBP 429.00	
084-327-266	200 mm	GBP 260.00 GBP 365.00 GBP 729.00	
627-380-069	500 mm	GBP 416.00 GBP 724.00	
600-924-567	1000 mm	GBP 716.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007068	Outside Diameter..... 1.00mm	Wall Thickness..... 0.32mm	
	Inside Diameter..... 0.36mm	Purity..... 99.6+%	
Temper..... Hard			
Size	Quantity		
Web Code	Length	10pcs 20pcs 50pcs 100pcs	
307-126-652	20 mm	GBP 209.00 GBP 299.00 GBP 572.00 GBP 1025.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007070	Outside Diameter..... 1.05mm	Wall Thickness..... 0.15mm	
	Inside Diameter..... 0.75mm	Purity..... 99.6+%	
Temper..... Annealed			
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
414-378-307	100 mm	GBP 218.00 GBP 268.00 GBP 429.00	
797-294-422	200 mm	GBP 260.00 GBP 365.00 GBP 729.00	
661-800-346	500 mm	GBP 416.00 GBP 724.00	
328-012-513	1000 mm	GBP 716.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007075	Outside Diameter..... 1.5mm	Wall Thickness..... 0.175mm	
	Inside Diameter..... 1.15mm	Purity..... 99.6+%	
Temper..... Hard			
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
772-144-387	230 mm	GBP 220.00 GBP 275.00 GBP 376.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007085	Outside Diameter..... 1.6mm	Wall Thickness..... 0.5mm	
	Inside Diameter..... 0.6mm	Purity..... 99.6+%	
Temper..... Annealed			
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
550-158-262	100 mm	GBP 140.00 GBP 174.00 GBP 290.00	
054-267-481	200 mm	GBP 168.00 GBP 247.00 GBP 497.00	
934-343-170	500 mm	GBP 281.00 GBP 495.00	
272-244-568	1000 mm	GBP 488.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			
TI007080	Outside Diameter..... 1.6mm	Wall Thickness..... 0.2mm	
	Inside Diameter..... 1.2mm	Purity..... 99.6+%	
Temper..... Hard			
Size	Quantity		
Web Code	Length	1pc 2pcs 5pcs	
656-944-268	100 mm	GBP 140.00 GBP 174.00 GBP 290.00	
492-647-132	200 mm	GBP 168.00 GBP 247.00 GBP 497.00	
863-991-063	500 mm	GBP 281.00 GBP 495.00	
054-380-668	1000 mm	GBP 488.00	
Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.			

Metal – Titanium

Titanium

Ti



Tube

TI007101

Outside Diameter **2.03mm**
 Inside Diameter **1.55mm**
 Temper **Annealed**

Wall Thickness **0.24mm**
 Purity **99.6+%**

Size

Web Code

139-154-472
 322-700-154
 295-841-870
 686-703-660

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	GBP 124.00	GBP 151.00	GBP 201.00
200 mm	GBP 145.00	GBP 181.00	GBP 318.00
500 mm	GBP 192.00	GBP 316.00	
1220 mm	GBP 361.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007100

Outside Diameter **2.03mm**
 Inside Diameter **1.63mm**
 Temper **Annealed**

Wall Thickness **0.2mm**
 Purity **99.6+%**

Size

Web Code

725-038-271
 629-775-405
 721-931-142
 173-953-754

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	GBP 131.00	GBP 162.00	GBP 239.00
200 mm	GBP 155.00	GBP 205.00	GBP 394.00
500 mm	GBP 230.00	GBP 391.00	
1000 mm	GBP 385.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007126

Outside Diameter **2.65mm**
 Inside Diameter **2.45mm**
 Temper **Hard**

Wall Thickness **0.1mm**
 Purity **99.6+%**

Size

Web Code

117-672-939

Length	Quantity			
	10pcs	25pcs	50pcs	100pcs
4 mm	GBP 122.00	GBP 155.00	GBP 198.00	GBP 276.00

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007210

Outside Diameter **3.0mm**
 Inside Diameter **1.5mm**
 Temper **Annealed**

Wall Thickness **0.75mm**
 Purity **99.6+%**

Size

Web Code

832-381-277
 047-658-559
 957-319-600
 664-952-794

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 116.00	GBP 140.00	GBP 187.00	GBP 294.00
200 mm	GBP 133.00	GBP 164.00	GBP 290.00	
500 mm	GBP 178.00	GBP 288.00		
1000 mm	GBP 281.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007250

Outside Diameter **4.25mm**
 Inside Diameter **3.75mm**
 Temper **Annealed**

Wall Thickness **0.25mm**
 Purity **99.6+%**

Size

Web Code

119-099-329
 887-420-548
 927-568-528
 946-070-401

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 112.00	GBP 134.00	GBP 168.00	GBP 222.00
200 mm	GBP 128.00	GBP 156.00	GBP 218.00	GBP 357.00
500 mm	GBP 159.00	GBP 216.00		
1000 mm	GBP 209.00	GBP 350.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007295

Outside Diameter **6.1mm**
 Inside Diameter **5.1mm**
 Temper **Annealed**

Wall Thickness **0.5mm**
 Purity **99.6+%**

Size

Web Code

481-675-901
 356-826-007
 504-026-630
 206-109-979

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 127.00	GBP 155.00	GBP 211.00	GBP 338.00
200 mm	GBP 148.00	GBP 184.00	GBP 334.00	GBP 585.00
500 mm	GBP 201.00	GBP 331.00		
1000 mm	GBP 324.00	GBP 577.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007350

Outside Diameter **6.35mm**
 Inside Diameter **4.57mm**
 Temper **Annealed**

Wall Thickness **0.89mm**
 Purity **99.6+%**

Size

Web Code

739-151-280
 393-908-800
 238-601-445
 825-177-227

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 124.00	GBP 150.00	GBP 192.00	GBP 299.00
200 mm	GBP 143.00	GBP 177.00	GBP 294.00	
500 mm	GBP 181.00	GBP 291.00		
1000 mm	GBP 284.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Metal – Titanium

Titanium

Ti



Tube

TI007300

Outside Diameter..... **6.35mm**
 Inside Diameter..... **5.53mm**
 Temper..... **Annealed**

Wall Thickness..... **0.41mm**
 Purity..... **99.6+%**

Size

Web Code

258-804-851
 350-610-838
 826-351-383
 293-913-295

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 127.00	GBP 155.00	GBP 211.00	GBP 338.00
200 mm	GBP 148.00	GBP 184.00	GBP 334.00	
500 mm	GBP 201.00	GBP 331.00		
1000 mm	GBP 324.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007370

Outside Diameter..... **7.0mm**
 Inside Diameter..... **5mm**
 Temper..... **Annealed**

Wall Thickness..... **1.0mm**
 Purity..... **99.6+%**

Size

Web Code

223-418-007
 106-208-414
 648-580-126
 036-921-236

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 124.00	GBP 150.00	GBP 192.00	GBP 299.00
200 mm	GBP 143.00	GBP 177.00	GBP 294.00	
500 mm	GBP 181.00	GBP 291.00		
1000 mm	GBP 284.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007401

Outside Diameter..... **9.5mm**
 Inside Diameter..... **8.2mm**
 Temper..... **Annealed**

Wall Thickness..... **0.65mm**
 Purity..... **99.6+%**
 Condition..... **Lightly Oxidised surface**

Size

Web Code

060-031-005
 635-270-033
 520-055-962
 854-966-646

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 104.00	GBP 127.00	GBP 149.00	GBP 175.00
200 mm	GBP 114.00	GBP 141.00	GBP 171.00	GBP 240.00
500 mm	GBP 134.00	GBP 169.00	GBP 272.00	
1000 mm	GBP 157.00	GBP 234.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007461

Outside Diameter..... **10mm**
 Inside Diameter..... **8mm**
 Temper..... **Annealed**

Wall Thickness..... **1.0mm**
 Purity..... **99.6+%**

Size

Web Code

026-656-727
 886-397-128
 640-012-142
 429-596-619

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 116.00	GBP 139.00	GBP 174.00	GBP 242.00
200 mm	GBP 132.00	GBP 162.00	GBP 238.00	
500 mm	GBP 164.00	GBP 235.00		
1000 mm	GBP 228.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007460

Outside Diameter..... **10.3mm**
 Inside Diameter..... **8.7mm**
 Temper..... **Annealed**

Wall Thickness..... **0.8mm**
 Purity..... **99.6+%**

Size

Web Code

284-117-036
 514-633-570
 329-199-253
 149-909-352

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 116.00	GBP 139.00	GBP 174.00	GBP 242.00
200 mm	GBP 132.00	GBP 162.00	GBP 238.00	
500 mm	GBP 164.00	GBP 235.00		
1000 mm	GBP 228.00			

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007500

Outside Diameter..... **12.7mm**
 Inside Diameter..... **10.9mm**
 Temper..... **Annealed**

Wall Thickness..... **0.9mm**
 Purity..... **99.6+%**

Size

Web Code

738-669-986
 333-737-954
 717-241-244
 655-150-249

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 118.00	GBP 142.00	GBP 178.00	GBP 257.00
200 mm	GBP 135.00	GBP 166.00	GBP 252.00	GBP 422.00
500 mm	GBP 168.00	GBP 250.00		
1000 mm	GBP 243.00	GBP 415.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

TI007550

Outside Diameter..... **25.4mm**
 Inside Diameter..... **23.62mm**
 Temper..... **Annealed**

Wall Thickness..... **0.89mm**
 Purity..... **99.6+%**

Size

Web Code

893-777-018
 722-128-135
 266-023-212
 252-905-815

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	GBP 125.00	GBP 151.00	GBP 188.00	GBP 271.00
200 mm	GBP 142.00	GBP 175.00	GBP 266.00	GBP 441.00
500 mm	GBP 176.00	GBP 263.00		
1000 mm	GBP 254.00	GBP 433.00		

Typical Analysis : Al 300, Ca 20, Cr 50, Cu 5, Fe 1500, Mn 100, Ni 50, Si 300, Sn 200, C 300, H 60, N 150, O 2000.

Titanium

Ti



Powder

TI006030

Max. Particle size **45micron**
 Condition..... **Grade 1**
 Condition..... **Spherical**

Purity..... **99.5%**
 Condition..... **Gas atomized**



Web Code
 368-465-570

Quantity		1 Pot
Weight		
100 g		GBP 268.00

Typical Analysis : C < 100, Chlorides 1700, Fe 200, N < 100, O 1000.

May be suitable for additive manufacturing research and development purposes.

Hazardous goods, additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

TI006021

Max. Particle size **45micron**
 Condition..... **Grade 2**
 Condition..... **Spherical**

Purity..... **99.5%**
 Condition..... **Gas atomized**



Web Code
 145-365-376
 540-228-344
 528-537-880

Quantity		1 Pot
Weight		
50 g		GBP 216.00
100 g		GBP 345.00
200 g		GBP 552.00

Typical Analysis : C < 100, Chlorides 1700, Fe 200, N < 100, O 1000.

May be suitable for additive manufacturing research and development purposes.

Hazardous goods, additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

TI006022

Max. Particle size **75micron**

Purity..... **99.5%**



Web Code
 780-284-214
 815-389-828
 563-440-572
 310-743-087

Quantity		1 Pot
Weight		
50 g		GBP 160.00
100 g		GBP 204.00
200 g		GBP 248.00
500 g		GBP 413.00

Typical Analysis : C < 100, Chlorides 1700, Fe 200, N < 100, O 1000.

Hazardous goods, additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

TI006076

Max. Particle size **106micron**
 Condition..... **Grade 2**
 Condition..... **Spherical**

Purity..... **99.5%**
 Condition..... **Gas atomized**



Web Code
 679-009-014

Quantity		1 Pot
Weight		
50 g		GBP 179.00

Typical Analysis : C < 100, Chlorides 1700, Fe 200, N < 100, O 1000.

May be suitable for additive manufacturing research and development purposes.

Hazardous goods, additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

TI006020

Max. Particle size **150micron**

Purity..... **99.5%**



Web Code
 051-375-012
 421-878-116
 201-125-457
 734-771-099
 846-380-654

Quantity		1 Pot
Weight		
50 g		GBP 126.00
100 g		GBP 150.00
200 g		GBP 183.00
500 g		GBP 250.00
1000 g		GBP 426.00

Typical Analysis : C < 100, Chlorides 1700, Fe 200, N < 100, O 1000.

Hazardous goods, additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

Metal – Titanium

Titanium

Ti



Lump

TI006104 Max. Lump size **4mm** Purity..... **99.6+%**

Web Code 744-070-240	Quantity	Weight	1 Pot
		20 g	GBP 109.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

TI006101 Max. Lump size **4mm** High Purity **99.99+%**
 Condition..... **Pellets**

Web Code 693-862-822 230-788-207 691-854-254	Quantity	Weight	1 Pot
		20 g	GBP 153.00
		50 g	GBP 244.00
		100 g	GBP 412.00

Typical Analysis : Al <3, Ca <2, Cr <2, Cu <1, Fe <10, Mn <1, Nb <5, Ni <3, Si <5, V <3, Zn <1, Zr <3.
 Nominally 3mm diameter x 3mm length pellets. Please ask for prices for larger quantities.

TI006102 Max. Lump size **6mm** High Purity **99.99+%**
 Condition..... **Pellets**

Web Code 466-661-763 036-450-754 259-017-715	Quantity	Weight	1 Pot
		20 g	GBP 147.00
		50 g	GBP 217.00
		100 g	GBP 358.00

Typical Analysis : Al <3, Ca <2, Cr <2, Cu <1, Fe <10, Mn <1, Nb <5, Ni <3, Si <5, V <3, Zn <1, Zr <3.
 Nominally 4.7mm diameter x 4.7mm length pellets. Please ask for prices for larger quantities.

TI006111 Max. Lump size **6mm** High Purity **99.999%**
 Condition..... **Pellets**

Web Code 797-622-142 421-821-863 217-107-759	Quantity	Weight	1 Pot
		20 g	GBP 181.00
		50 g	GBP 307.00
		100 g	GBP 527.00

Typical Analysis : Al 2, Cu 1, Fe 3, Si 1, Sn 1
 Nominally 4.7mm diameter x 4.7mm length pellets. Please ask for prices for larger quantities.

TI006100 Max. Lump size **10mm** High Purity **99.99+%**
 Condition..... **Pellets**

Web Code 128-330-856 041-351-482 168-929-050	Quantity	Weight	1 Pot
		20 g	GBP 129.00
		50 g	GBP 186.00
		100 g	GBP 297.00

Typical Analysis : Al <3, Ca <2, Cr <2, Cu <1, Fe <10, Mn <1, Nb <5, Ni <3, Si <5, V <3, Zn <1, Zr <3.
 Pellets - nominal size 9.5mm diameter x 9.5mm length Please ask for prices for larger quantities.

TI006110 Max. Lump size **10mm** High Purity **99.999%**
 Condition..... **Pellets**

Web Code 609-177-118 147-144-895 393-112-098	Quantity	Weight	1 Pot
		20 g	GBP 176.00
		50 g	GBP 285.00
		100 g	GBP 483.00

Typical Analysis : Al 2, Cu 1, Fe 3, Si 1, Sn 1
 Pellets - nominal size 9.5mm diameter x 9.5mm length Please ask for prices for larger quantities.



Sphere

TI006830 Diameter..... **3mm** Purity..... **99.6+%**

Web Code 220-739-924 757-094-570 347-398-370	Quantity	Spheres	1 Pot
		50 pcs	GBP 124.00
		100 pcs	GBP 206.00
		200 pcs	GBP 364.00

Typical Analysis : Al 500, Co 2, Cr 500, Cu 200, Fe 300, Mg 20, Mn 500, Ni 500, Si 200, Sn 200, Ta 10, V 500.

Metal – Titanium

Titanium

Ti



Single Crystal

TI002122	Oriented (0001) Condition..... Unpolished	Thickness 1mm
Web Code 366-248-096	Quantity Size 3x5	1pc GBP POA
TI002120	Oriented (0001) Diameter..... 5mm	Thickness 1mm Condition..... Unpolished
Web Code 769-085-275	Quantity	1pc GBP POA
TI002121	Oriented (0001) Diameter..... 8mm	Thickness 1mm Condition..... Unpolished
Web Code 690-308-068	Quantity	1pc GBP POA

Metal – Titanium

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