

# 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 Silver

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## Introduction

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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](http://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 Catalogue 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 Catalogue 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](http://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 Catalogue 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 Catalogue details those which are available. Please contact us with details of your requirements.

#### ***Composites***

Some examples of these materials are listed in the Catalogue. 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 Catalogue, 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**

See item



**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 grammes 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%



**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: ± 10%  
 Size (linear dimension): < 100mm ± 1mm  
 ≥ 100mm + 2% / -1%

**Product Descriptions**



**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. 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.

**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.

**Tolerances**

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



**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**

See item



**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



**Rod**

A straight length of circular section material.

**Tolerances**

Diameter:	$\leq 10\text{mm}$	$\pm 10\%$
	Polymer	$+20\%/-10\%$
	Ceramic	$+20\%/-10\%$
$> 10\text{mm}$		$\pm 5\%$
	Ceramic	$+20\%/-10\%$
	Polymer	$+20\%/-10\%$
Length:	$< 100\text{mm}$	$\pm 1\text{mm}$
	$\geq 100\text{mm}$	$+5\% / -1\%$

**Product Descriptions**



**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%
Wall thickness:	> 5mm	± 5%
	Polymer	± 10%
	Ceramic	± 10%
Length:	≤ 2mm	± 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**

See item



**Wire**

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

**Tolerances**

Wire diameter:	± 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-cm<sup>3</sup>.s<sup>-1</sup>.

### 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.

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## Order information

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### 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

Delivery by door-to-door courier service of our choice is included in the prices, although alternative methods may be used depending on the materials ordered.

### 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 will be made for any order received for which same day shipment 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.

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## Order information

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### 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

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## Order information

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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](http://www.goodfellow.com) or [www.goodfellowusa.com](http://www.goodfellowusa.com).

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## Company Details

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### 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**

Ermine Business Park  
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#### **Goodfellow GmbH**

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Import VAT number DE112610478

#### **Goodfellow (Shanghai) Trading Co., Ltd**

Room 803, Centro Build, No. 568 Hengfeng Road  
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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

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## Conditions of Sale

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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

## Silver

### Ag

Silver was known to ancient civilisations.

Silver is a soft, malleable metal with a characteristic sheen. It has the highest thermal and electrical conductivities of all metals. It is generally found uncombined, or in the sulphide or arsenide ores from which it can be recovered as a cyanide complex which is subsequently reduced to the metal, in aqueous solution, by the use of zinc. The pure metal is stable to water and oxygen but is attacked in air by sulphur bearing compounds to form the characteristic black layer of silver sulphide. It is soluble in sulphuric and nitric acids.

Some silver salts are sensitive to light (e.g. AgI, AgCl and AgBr) and are of fundamental importance to photography. Other applications and industries in which silver is used include the manufacture of jewellery (both as the pure metal and as a constituent of various alloys), the electrical industry (e.g. in the manufacture of contacts) and for the silvering of glass.

#### Atomic Properties

Atomic number	47
Atomic radius - Goldschmidt	0.144 nm
Atomic weight	107.8682 amu
Crystal structure	Face centred cubic
Electronic structure	Kr 4d <sup>10</sup> 5s <sup>1</sup>
Photo-electric work function	4.7 eV
Thermal neutron absorption cross-section	63.8 Barns
Valences shown	1, 2

#### Natural isotope distribution

Mass No.	%
107	51.83
109	48.17

#### Ionisation potential

No.	eV
1	7.58
2	21.5
3	34.8

#### Physical Properties

Boiling point	2212 C
Density @20C	10.5 g cm <sup>-3</sup>
Melting point	961.9 C

#### Electrical Properties

Electrical resistivity @20C	1.63 µOhmcm
Temperature coefficient @0-100C	0.0041 K <sup>-1</sup>
Thermal emf against Pt (cold 0C - hot 100C)	+0.74 mV

#### Thermal Properties

Coefficient of thermal expansion @0-100C	19.1 x10 <sup>-6</sup> K <sup>-1</sup>
Latent heat of evaporation	2390 J g <sup>-1</sup>
Latent heat of fusion	103 J g <sup>-1</sup>
Specific heat @25C	237 J K <sup>-1</sup> kg <sup>-1</sup>
Thermal conductivity @0-100C	429 W m <sup>-1</sup> K <sup>-1</sup>

#### Mechanical Properties

Material condition	Soft	Hard	Polycrystalline
Bulk modulus			103.6 GPa
Hardness - Vickers	25	95	
Izod toughness	5 J m <sup>-1</sup>		
Poisson's ratio			0.367
Tensile modulus			82.7 GPa
Tensile strength	172	330	MPa



## Microfoil

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

### AG004500

Thickness	0.1µm	Area density	110µg.cm <sup>-2</sup>
Purity	99.95 + %	Support	Permanent Mylar 3.5µm

Quantity					
Web Code	Disc diam.	1 disc	2discs	5discs	10discs
502-728-592	10 mm	£ 175.00	£ 238.00	£ 426.00	£ 677.00
133-148-448	25 mm	£ 259.00	£ 364.00	£ 677.00	£ 1096.00

Typical Analysis : Starting Material : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.  
 This item is normally made to order for delivery within 4-5 weeks.

### AG004600

Thickness	0.25µm	Area density	262.3µg.cm <sup>-2</sup>
Purity	99.95 + %	Support	Permanent Mylar 3.5µm

Quantity					
Web Code	Disc diam.	1 disc	2discs	5discs	10discs
499-815-288	10 mm	£ 194.00	£ 266.00	£ 483.00	£ 772.00
613-831-689	25 mm	£ 290.00	£ 411.00	£ 772.00	£ 1253.00

Typical Analysis : Starting Material : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.  
 This item is normally made to order for delivery within 4-5 weeks.

### AG004700

Thickness	0.5µm	Area density	522.6µg.cm <sup>-2</sup>
Purity	99.95 + %	Support	Permanent Mylar 3.5µm

Quantity					
Web Code	Disc diam.	1 disc	2discs	5discs	10discs
010-399-808	10 mm	£ 207.00	£ 285.00	£ 520.00	£ 834.00
497-143-426	25 mm	£ 311.00	£ 442.00	£ 834.00	£ 1357.00

Typical Analysis : Starting Material : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.  
 This item is normally made to order for delivery within 4-5 weeks.

### AG004850

Thickness	1.0µm	Area density	1098µg.cm <sup>-2</sup>
Purity	99.95%	Support	Permanent Mylar 3.5µm

Quantity					
Web Code	Disc diam.	1 disc	2discs	5discs	10discs
071-947-970	10 mm	£ 238.00	£ 332.00	£ 615.00	£ 991.00
186-307-277	25 mm	£ 364.00	£ 521.00	£ 991.00	£ 1619.00

Typical Analysis : Starting Material : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.  
 This item is normally made to order for delivery within 4-5 weeks.

**Silver**

**Ag**



**Foil**

**AG000080** Thickness ..... **0.00075mm** Purity..... **99.97%**  
 Support..... **Temporary Acrylic**

Web Code	Size	Quantity		
		1pc	2pcs	5pcs
258-839-381	25 x 25 mm	£ 231.00	£ 302.00	£ 448.00
016-910-070	50 x 50 mm	£ 388.00	£ 524.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000090** Thickness ..... **0.001mm** Purity..... **99.97%**

Web Code	Size	Quantity		
		1pc	2pcs	5pcs
802-171-091	25 x 25 mm	£ 222.00	£ 289.00	£ 428.00
864-405-528	50 x 50 mm	£ 370.00	£ 499.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000100** Thickness ..... **0.002mm** Purity..... **99.97%**

Web Code	Size	Quantity		
		1pc	2pcs	5pcs
600-993-073	25 x 25 mm	£ 214.00	£ 277.00	£ 409.00
503-665-161	50 x 50 mm	£ 353.00	£ 475.00	
748-227-888	100 x 100 mm	£ 853.00		

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000110** Thickness ..... **0.0025mm** Purity..... **99.97%**

Web Code	Size	Quantity		
		1pc	2pcs	5pcs
063-757-647	25 x 25 mm	£ 205.00	£ 265.00	£ 390.00
819-778-884	50 x 50 mm	£ 336.00	£ 452.00	
456-816-661	100 x 100 mm	£ 818.00		

Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
810-663-268	4 mm	£ 235.00	£ 287.00	£ 412.00
332-905-799	6 mm	£ 272.00	£ 340.00	£ 497.00
613-216-216	8 mm	£ 310.00	£ 393.00	£ 584.00
652-025-998	10 mm	£ 347.00	£ 448.00	£ 674.00
503-247-453	15 mm	£ 440.00	£ 579.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000215** Thickness ..... **0.003mm** Purity..... **99.9%**

Web Code	Size	Quantity					
		1pc	2pcs	5pcs	10pcs	20pcs	
417-513-013	25 x 25 mm	£ 148.00	£ 175.00	£ 230.00	£ 295.00	£ 395.00	
207-078-044	50 x 50 mm	£ 207.00	£ 257.00	£ 360.00	£ 480.00	£ 656.00	
860-002-847	100 x 100 mm	£ 323.00	£ 422.00	£ 621.00	£ 896.00		
240-315-838	150 x 150 mm	£ 440.00	£ 587.00	£ 983.00			

Web Code	Length	Quantity
		1 Reel
550-973-987	0.2 m	£ 540.00
871-743-228	0.5 m	£ 775.00

Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
987-773-450	4 mm	£ 208.00	£ 251.00	£ 349.00
471-677-462	6 mm	£ 226.00	£ 276.00	£ 389.00
959-685-681	8 mm	£ 244.00	£ 301.00	£ 428.00
960-711-041	10 mm	£ 262.00	£ 326.00	£ 468.00
088-875-840	15 mm	£ 306.00	£ 389.00	£ 567.00
109-484-843	25 mm	£ 394.00	£ 514.00	£ 766.00
685-612-208	50 mm	£ 616.00	£ 828.00	

Typical Analysis : Al 1, Au 20, Bi 1, Ca 3, Cd 20, Cr <1, Cu 500, Fe 7, Mg 1, Mn <1, Na 1, Ni 10, Pb 50, Si <1, Sn 3.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000120**

Thickness ..... **0.004mm**

Purity ..... **99.97%**

**Sizes LT**

**Web Code**

147-837-113  
 557-363-762  
 987-685-476  
 263-977-826

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 189.00	£ 242.00	£ 353.00	£ 530.00
50 x 50 mm	£ 303.00	£ 419.00	£ 944.00	
100 x 100 mm	£ 752.00	£ 1435.00		
150 x 150 mm	£ 1599.00			

**Discs**

**Web Code**

639-281-543  
 910-194-262  
 774-286-045  
 785-757-325  
 219-666-000  
 458-262-183

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 226.00	£ 274.00	£ 391.00
6 mm	£ 258.00	£ 320.00	£ 466.00
8 mm	£ 291.00	£ 367.00	£ 542.00
10 mm	£ 324.00	£ 415.00	£ 636.00
15 mm	£ 405.00	£ 530.00	£ 1107.00
25 mm	£ 636.00	£ 1131.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000130**

Thickness ..... **0.005mm**

Purity ..... **99.97%**

**Sizes LT**

**Web Code**

119-458-752  
 907-520-034  
 557-261-958  
 927-717-812

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 181.00	£ 231.00	£ 336.00	£ 510.00
50 x 50 mm	£ 287.00	£ 402.00	£ 903.00	
100 x 100 mm	£ 719.00	£ 1369.00		
150 x 150 mm	£ 1524.00			

**Discs**

**Web Code**

930-460-689  
 307-587-446  
 448-433-402  
 054-183-126  
 772-889-895  
 611-234-961

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 221.00	£ 268.00	£ 381.00
6 mm	£ 252.00	£ 311.00	£ 451.00
8 mm	£ 282.00	£ 355.00	£ 522.00
10 mm	£ 313.00	£ 399.00	£ 617.00
15 mm	£ 388.00	£ 510.00	£ 1065.00
25 mm	£ 613.00		

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000140**

Thickness ..... **0.006mm**

Purity ..... **99.97%**

**Sizes LT**

**Web Code**

734-933-321  
 059-853-009  
 166-765-567  
 294-929-058

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 173.00	£ 220.00	£ 318.00	£ 489.00
50 x 50 mm	£ 272.00	£ 386.00	£ 862.00	
100 x 100 mm	£ 686.00	£ 1303.00		
150 x 150 mm	£ 1450.00			

**Discs**

**Web Code**

641-738-431  
 217-307-116  
 163-398-004  
 424-750-911  
 093-874-013  
 734-260-793

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 217.00	£ 261.00	£ 372.00
6 mm	£ 245.00	£ 302.00	£ 436.00
8 mm	£ 274.00	£ 342.00	£ 502.00
10 mm	£ 302.00	£ 383.00	£ 598.00
15 mm	£ 372.00	£ 494.00	£ 1023.00
25 mm	£ 590.00	£ 1039.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000150**

Thickness ..... **0.007mm**

Purity ..... **99.97%**

**Sizes LT**

**Web Code**

326-746-972  
 501-955-169  
 413-606-998  
 160-919-067

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 172.00	£ 218.00	£ 316.00	£ 482.00
50 x 50 mm	£ 270.00	£ 380.00	£ 847.00	
100 x 100 mm	£ 674.00	£ 1280.00		
150 x 150 mm	£ 1424.00			

**Discs**

**Web Code**

097-423-503  
 177-942-772  
 242-841-457  
 355-181-693  
 397-706-464  
 713-307-674

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 217.00	£ 261.00	£ 370.00
6 mm	£ 244.00	£ 300.00	£ 434.00
8 mm	£ 272.00	£ 341.00	£ 499.00
10 mm	£ 301.00	£ 381.00	£ 591.00
15 mm	£ 370.00	£ 488.00	£ 1008.00
25 mm	£ 581.00	£ 1022.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**Metal - Silver**

**Silver**

**Ag**



**Foil**

**AG000218** Thickness ..... 0.008mm

Purity ..... 99.95+%

**Sizes LT**

**Web Code**

034-965-855  
 380-461-463  
 541-573-509

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	£ 131.00	£ 151.00	£ 191.00	£ 238.00	£ 309.00
50 x 50 mm	£ 175.00	£ 212.00	£ 288.00	£ 376.00	£ 505.00
100 x 100 mm	£ 262.00	£ 336.00	£ 484.00	£ 653.00	

**Coil**

**Web Code**

014-097-239  
 168-664-894  
 063-151-280

Length	Quantity	
	1 Reel	
0.2 m	£ 357.00	
0.5 m	£ 500.00	
1 m	£ 663.00	

**Discs**

**Web Code**

425-127-340  
 957-684-097  
 357-240-566  
 256-007-773  
 724-697-271  
 527-673-445  
 238-369-906

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 187.00	£ 214.00	£ 278.00
6 mm	£ 200.00	£ 233.00	£ 308.00
8 mm	£ 213.00	£ 252.00	£ 337.00
10 mm	£ 226.00	£ 271.00	£ 367.00
15 mm	£ 260.00	£ 317.00	£ 441.00
25 mm	£ 326.00	£ 412.00	£ 590.00
50 mm	£ 493.00	£ 647.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000160** Thickness ..... 0.008mm

Purity ..... 99.97%

**NLT Sizes**

**Web Code**

451-684-310  
 411-587-065  
 827-533-759  
 835-332-156

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 166.00	£ 209.00	£ 302.00	£ 470.00
50 x 50 mm	£ 257.00	£ 370.00	£ 823.00	
100 x 100 mm	£ 655.00	£ 1241.00		
150 x 150 mm	£ 1380.00			

**Sizes LT**

**Web Code**

157-082-361

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 182.00	£ 230.00	£ 332.00	£ 516.00

**Discs**

**Web Code**

183-311-414  
 913-930-057  
 241-258-573  
 157-324-021  
 665-507-105  
 188-389-748

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 213.00	£ 256.00	£ 362.00
6 mm	£ 239.00	£ 293.00	£ 422.00
8 mm	£ 265.00	£ 330.00	£ 483.00
10 mm	£ 292.00	£ 369.00	£ 580.00
15 mm	£ 356.00	£ 478.00	£ 984.00
25 mm	£ 568.00	£ 995.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000170** Thickness ..... 0.009mm

Purity ..... 99.97%

**NLT Sizes**

**Web Code**

087-305-039  
 964-335-883  
 718-327-313  
 996-173-163

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 160.00	£ 201.00	£ 289.00	£ 460.00
50 x 50 mm	£ 245.00	£ 362.00	£ 803.00	
100 x 100 mm	£ 639.00	£ 1210.00		
150 x 150 mm	£ 1345.00			

**Sizes LT**

**Web Code**

966-878-374

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 176.00	£ 221.00	£ 317.00	£ 506.00

**Discs**

**Web Code**

961-738-827  
 217-353-677  
 169-209-416  
 151-182-531  
 897-814-295  
 226-785-777

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 210.00	£ 251.00	£ 355.00
6 mm	£ 234.00	£ 286.00	£ 411.00
8 mm	£ 259.00	£ 321.00	£ 468.00
10 mm	£ 283.00	£ 357.00	£ 571.00
15 mm	£ 344.00	£ 470.00	£ 964.00
25 mm	£ 557.00	£ 973.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000220**

Thickness ..... **0.01mm**

Purity..... **99.95+%**

**Sizes LT**

**Web Code**

718-790-244  
 124-735-358  
 242-160-495  
 607-362-153

**Size**

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

**Quantity**

1pc	2pcs	5pcs	10pcs	20pcs
£ 130.00	£ 149.00	£ 189.00	£ 235.00	£ 305.00
£ 173.00	£ 210.00	£ 285.00	£ 371.00	£ 497.00
£ 259.00	£ 331.00	£ 476.00	£ 642.00	
£ 344.00	£ 452.00	£ 668.00		

**Coil**

**Web Code**

967-224-995  
 109-319-479  
 516-107-772

**Width 150mm**

**Length**

0.2 m  
 0.5 m  
 1 m

**Quantity**

1 Reel
£ 406.00
£ 579.00
£ 773.00

**Discs**

**Web Code**

640-800-759  
 100-094-601  
 511-833-017  
 979-126-379  
 390-792-002  
 849-010-684  
 126-325-541

**Diameter**

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

**Quantity**

10 discs	20 discs	50 discs
£ 186.00	£ 213.00	£ 277.00
£ 199.00	£ 232.00	£ 306.00
£ 212.00	£ 250.00	£ 335.00
£ 225.00	£ 269.00	£ 364.00
£ 258.00	£ 315.00	£ 437.00
£ 323.00	£ 407.00	£ 583.00
£ 486.00	£ 638.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000241**

Thickness ..... **0.0125mm**

Coil width ..... **9mm**

Purity..... **99.95+%**

**Coil**

**Web Code**

803-474-066  
 037-798-485  
 114-814-219  
 561-073-463  
 582-255-187

**Width 9mm**

**Length**

0.5 m  
 1 m  
 2 m  
 5 m  
 10 m

**Quantity**

1 Reel
£ 126.00
£ 154.00
£ 195.00
£ 276.00
£ 368.00

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000240**

Thickness ..... **0.0125mm**

Purity..... **99.95+%**

**NLT Sizes**

**Web Code**

621-115-391  
 497-760-149  
 888-011-625

**Size**

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

**Quantity**

1pc	2pcs	5pcs	10pcs	20pcs
£ 126.00	£ 145.00	£ 189.00	£ 248.00	£ 349.00
£ 159.00	£ 191.00	£ 262.00	£ 352.00	£ 495.00
£ 224.00	£ 284.00	£ 408.00	£ 558.00	£ 787.00

**Sizes LT**

**Web Code**

550-963-319  
 829-722-773

**Size**

25 x 25 mm  
 50 x 50 mm

**Quantity**

1pc	2pcs	5pcs	10pcs	20pcs
£ 139.00	£ 160.00	£ 208.00	£ 273.00	£ 384.00
£ 198.00	£ 239.00	£ 328.00	£ 440.00	£ 619.00

**Coil**

**Web Code**

953-526-994  
 373-796-506  
 724-567-238

**Width 100mm**

**Length**

0.5 m  
 1 m  
 2 m

**Quantity**

1 Reel
£ 403.00
£ 524.00
£ 696.00

**Discs**

**Web Code**

043-120-229  
 390-032-416  
 754-060-469  
 257-552-170  
 194-014-541  
 251-815-792  
 476-970-709

**Diameter**

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

**Quantity**

10 discs	20 discs	50 discs
£ 234.00	£ 312.00	£ 466.00
£ 244.00	£ 326.00	£ 488.00
£ 254.00	£ 340.00	£ 511.00
£ 264.00	£ 354.00	£ 533.00
£ 289.00	£ 389.00	£ 588.00
£ 338.00	£ 459.00	£ 700.00
£ 463.00	£ 635.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000180**

Thickness ..... **0.015mm**

Purity ..... **99.97%**

**NLT Sizes**

**Web Code**

068-112-645  
 893-386-078  
 584-187-924

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
50 x 50 mm	£ 180.00	£ 287.00	£ 614.00	
100 x 100 mm	£ 487.00	£ 906.00		
150 x 150 mm	£ 1004.00			

**Sizes LT**

**Web Code**

070-215-615  
 750-948-709  
 653-969-204

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 127.00	£ 155.00	£ 226.00	£ 365.00
50 x 50 mm	£ 198.00	£ 315.00	£ 675.00	
100 x 100 mm	£ 609.00	£ 1133.00		

**Discs**

**Web Code**

154-485-293  
 310-650-942  
 831-363-484  
 920-432-445  
 054-057-237  
 757-154-216

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 191.00	£ 225.00	£ 313.00
6 mm	£ 206.00	£ 247.00	£ 348.00
8 mm	£ 222.00	£ 268.00	£ 398.00
10 mm	£ 237.00	£ 291.00	£ 484.00
15 mm	£ 275.00	£ 393.00	£ 771.00
25 mm	£ 451.00	£ 761.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**AG000250**

Thickness ..... **0.015mm**

Purity ..... **99.95+%**

**NLT Sizes**

**Web Code**

127-639-319  
 510-731-413  
 763-508-543  
 726-794-836

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	£ 129.00	£ 150.00	£ 196.00	£ 258.00	£ 363.00
50 x 50 mm	£ 165.00	£ 200.00	£ 276.00	£ 371.00	£ 523.00
100 x 100 mm	£ 236.00	£ 301.00	£ 436.00	£ 598.00	£ 868.00
200 x 200 mm	£ 379.00	£ 504.00	£ 781.00		

**Sizes LT**

**Web Code**

839-442-997  
 393-926-797

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	£ 142.00	£ 165.00	£ 216.00	£ 284.00	£ 399.00
50 x 50 mm	£ 206.00	£ 250.00	£ 345.00	£ 464.00	£ 653.00

**Coil**

**Web Code**

682-260-264  
 808-978-440  
 326-575-424

Length	Quantity	
	1 Reel	
0.2 m	£ 404.00	
0.5 m	£ 575.00	
1 m	£ 809.00	

**Discs**

**Web Code**

465-583-563  
 716-027-920  
 780-559-044  
 527-540-928  
 949-719-321  
 055-751-580  
 890-724-771

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 236.00	£ 314.00	£ 470.00
6 mm	£ 247.00	£ 330.00	£ 495.00
8 mm	£ 258.00	£ 345.00	£ 519.00
10 mm	£ 269.00	£ 360.00	£ 544.00
15 mm	£ 296.00	£ 399.00	£ 604.00
25 mm	£ 350.00	£ 476.00	£ 726.00
50 mm	£ 487.00	£ 669.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000190**

Thickness ..... **0.02mm**

Purity ..... **99.97%**

**NLT Sizes**

**Web Code**

606-981-223  
 590-086-971

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
100 x 100 mm	£ 476.00	£ 883.00		
150 x 150 mm	£ 978.00			

**Sizes LT**

**Web Code**

320-183-743  
 891-104-700  
 378-717-924

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 126.00	£ 154.00	£ 223.00	£ 358.00
50 x 50 mm	£ 178.00	£ 281.00	£ 599.00	
100 x 100 mm	£ 523.00	£ 972.00		

**Discs**

**Web Code**

309-355-508  
 669-447-403  
 680-932-646  
 116-584-830  
 573-110-306  
 638-799-133

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 191.00	£ 224.00	£ 312.00
6 mm	£ 206.00	£ 246.00	£ 347.00
8 mm	£ 221.00	£ 267.00	£ 394.00
10 mm	£ 236.00	£ 289.00	£ 477.00
15 mm	£ 273.00	£ 387.00	£ 757.00
25 mm	£ 443.00	£ 745.00	

Typical Analysis : Al 4, Au 8, Bi 3, Ca 40, Cd 2, Cr 20, Cu 20, Fe 60, Mg 3, Mn 5, Na 10, Ni 5, Pb 40, Si 20, Sn 1.

**Metal – Silver**



**Silver**

**Ag**



**Foil**

**AG000260**

Thickness ..... **0.025mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**NLT Sizes**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
759-561-708	25 x 25 mm	£ 85.50	£ 93.50	£ 112.00	£ 130.00	£ 160.00
667-264-012	50 x 50 mm	£ 100.00	£ 115.00	£ 145.00	£ 178.00	£ 227.00
969-969-862	100 x 100 mm	£ 131.00	£ 158.00	£ 213.00	£ 274.00	£ 362.00
848-083-788	150 x 150 mm	£ 161.00	£ 200.00	£ 280.00	£ 369.00	£ 502.00
648-362-876	300 x 300 mm	£ 251.00	£ 328.00	£ 488.00		

**Sizes LT**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
704-557-205	25 x 25 mm	£ 89.50	£ 98.00	£ 117.00	£ 137.00	£ 168.00
339-807-339	50 x 50 mm	£ 105.00	£ 121.00	£ 153.00	£ 187.00	£ 239.00
145-023-053	100 x 100 mm	£ 144.00	£ 173.00	£ 234.00	£ 301.00	£ 399.00
457-107-936	150 x 150 mm	£ 177.00	£ 220.00	£ 308.00	£ 406.00	£ 552.00
163-644-597	300 x 300 mm	£ 302.00	£ 394.00	£ 585.00		

**Coil**

Web Code	Length	Quantity
		1 Reel
400-176-204	0.5 m	£ 227.00
022-029-833	1 m	£ 283.00
753-734-219	2 m	£ 362.00

**Discs**

Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
216-782-512	4 mm	£ 149.00	£ 164.00	£ 206.00
097-818-038	6 mm	£ 153.00	£ 170.00	£ 216.00
227-250-649	8 mm	£ 158.00	£ 177.00	£ 227.00
406-333-546	10 mm	£ 162.00	£ 183.00	£ 237.00
791-689-668	15 mm	£ 174.00	£ 200.00	£ 263.00
961-207-384	25 mm	£ 197.00	£ 232.00	£ 314.00
150-924-344	50 mm	£ 254.00	£ 314.00	£ 444.00

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000266**

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

Purity ..... **99.95+%**

**NLT Sizes**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
242-087-475	25 x 25 mm	£ 85.50	£ 93.50	£ 112.00	£ 130.00	£ 160.00
998-816-452	50 x 50 mm	£ 100.00	£ 115.00	£ 145.00	£ 178.00	
700-083-083	100 x 100 mm	£ 131.00	£ 158.00	£ 213.00		

**Sizes LT**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
458-563-901	25 x 25 mm	£ 89.50	£ 98.00	£ 117.00	£ 137.00	£ 168.00
618-683-686	50 x 50 mm	£ 105.00	£ 121.00	£ 153.00	£ 187.00	
980-062-949	100 x 100 mm	£ 144.00	£ 173.00	£ 234.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000270**

Thickness ..... **0.025mm**  
 Temper ..... **As rolled**

High Purity ..... **99.99+%**

**Size**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
865-538-387	25 x 25 mm	£ 125.00	£ 150.00	£ 201.00	£ 257.00	£ 338.00
192-296-874	50 x 50 mm	£ 180.00	£ 228.00	£ 324.00	£ 430.00	
037-104-945	100 x 100 mm	£ 290.00	£ 383.00	£ 681.00		
638-119-973	150 x 150 mm	£ 400.00	£ 615.00			

**Coil**

Web Code	Length	Quantity
		1 Reel
764-997-358	0.2 m	£ 472.00
624-673-869	0.5 m	£ 997.00

**Discs**

Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
529-501-916	4 mm	£ 173.00	£ 198.00	£ 261.00
187-746-361	6 mm	£ 190.00	£ 222.00	£ 299.00
468-297-959	8 mm	£ 207.00	£ 246.00	£ 337.00
537-237-852	10 mm	£ 223.00	£ 270.00	£ 375.00
154-727-394	15 mm	£ 265.00	£ 329.00	£ 469.00
340-915-136	25 mm	£ 349.00	£ 449.00	£ 659.00
614-395-314	50 mm	£ 562.00		

Typical Analysis : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000265**

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

Purity ..... **99.95+%**

**NLT Sizes**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
866-814-250	25 x 25 mm	£ 85.50	£ 93.50	£ 112.00	£ 130.00	£ 160.00
692-771-915	50 x 50 mm	£ 100.00	£ 115.00	£ 145.00	£ 178.00	£ 227.00
186-939-840	100 x 100 mm	£ 131.00	£ 158.00	£ 213.00	£ 274.00	£ 362.00
766-047-448	125 x 150 mm	£ 153.00	£ 189.00	£ 263.00	£ 344.00	
002-341-115	250 x 300 mm	£ 236.00	£ 306.00	£ 448.00		

**Sizes LT**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
806-139-304	25 x 25 mm	£ 89.50	£ 98.00	£ 117.00	£ 137.00	£ 168.00
634-123-107	50 x 50 mm	£ 105.00	£ 121.00	£ 153.00	£ 187.00	£ 239.00
457-949-193	100 x 100 mm	£ 144.00	£ 173.00	£ 234.00	£ 301.00	£ 399.00
076-163-819	125 x 150 mm	£ 176.00	£ 217.00	£ 302.00	£ 396.00	
028-472-035	250 x 300 mm	£ 283.00	£ 367.00	£ 537.00		

**Coil**

Web Code	Length	Quantity	
		1 Reel	
647-142-151	0.5 m	£ 305.00	
124-841-556	1 m	£ 394.00	
129-459-119	2 m	£ 548.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000268**

Thickness ..... **0.030mm**  
 Temper ..... **Annealed**

Purity ..... **99.95+%**

**NLT Sizes**

Web Code	Size	Quantity			
		1pc	2pcs	5pcs	10pcs
898-368-574	260 x 300 mm	£ 255.00	£ 333.00		

**Sizes LT**

Web Code	Size	Quantity			
		1pc	2pcs	5pcs	10pcs
735-443-620	50 x 50 mm	£ 103.00	£ 119.00	£ 152.00	£ 187.00
161-690-586	100 x 100 mm	£ 136.00	£ 166.00	£ 226.00	
399-654-952	260 x 300 mm	£ 293.00	£ 383.00		

**Coil**

Web Code	Length	Quantity	
		1 Reel	
119-574-183	0.2 m	£ 242.00	
321-021-434	0.5 m	£ 330.00	
888-538-443	1 m	£ 429.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000280**

Thickness ..... **0.035mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

Web Code	Size	Quantity				
		1pc	2pcs	5pcs	10pcs	20pcs
799-413-360	25 x 25 mm	£ 88.50	£ 97.00	£ 116.00	£ 140.00	£ 179.00
926-668-417	50 x 50 mm	£ 105.00	£ 121.00	£ 154.00	£ 193.00	£ 254.00
833-551-725	100 x 100 mm	£ 139.00	£ 169.00	£ 229.00	£ 300.00	
193-973-026	150 x 150 mm	£ 173.00	£ 216.00	£ 305.00	£ 407.00	

**Coil**

Web Code	Length	Quantity	
		1 Reel	
246-630-123	0.5 m	£ 278.00	
828-770-354	1 m	£ 355.00	
596-287-526	2 m	£ 464.00	

**Discs**

Web Code	Diameter	Quantity		
		10 discs	20 discs	50 discs
535-942-199	4 mm	£ 154.00	£ 179.00	£ 248.00
992-766-659	6 mm	£ 160.00	£ 186.00	£ 259.00
095-827-457	8 mm	£ 165.00	£ 193.00	£ 271.00
978-431-139	10 mm	£ 170.00	£ 201.00	£ 283.00
303-888-550	15 mm	£ 183.00	£ 219.00	£ 311.00
986-065-377	25 mm	£ 208.00	£ 255.00	£ 369.00
258-173-627	50 mm	£ 273.00	£ 347.00	£ 515.00

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000281**

Thickness ..... **0.035mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

Web Code	Size	Quantity		
		1pc	2pcs	5pcs
516-981-227	300 x 300 mm	£ 274.00	£ 360.00	£ 618.00

**Coil**

Web Code	Length	Quantity	
		1 Reel	
517-462-502	0.5 m	£ 355.00	
636-312-125	1 m	£ 463.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Silver**

**Ag**



**Foil**

**AG000300**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**

271-709-174  
 963-646-487  
 455-802-041  
 975-253-562  
 906-698-199

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

Quantity					
1pc	2pcs	5pcs	10pcs	20pcs	
£ 88.00	£ 96.50	£ 114.00	£ 137.00	£ 172.00	
£ 105.00	£ 120.00	£ 152.00	£ 190.00	£ 247.00	
£ 139.00	£ 168.00	£ 228.00	£ 297.00	£ 409.00	
£ 173.00	£ 216.00	£ 304.00	£ 436.00		
£ 215.00	£ 276.00	£ 429.00			

**Discs**

**Web Code**

420-378-938  
 547-374-000  
 421-758-076  
 719-750-655  
 968-834-530  
 104-315-377  
 039-423-456

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

Quantity		
10 discs	20 discs	50 discs
£ 140.00	£ 156.00	£ 198.00
£ 144.00	£ 162.00	£ 208.00
£ 149.00	£ 168.00	£ 217.00
£ 153.00	£ 174.00	£ 227.00
£ 164.00	£ 190.00	£ 251.00
£ 185.00	£ 220.00	£ 299.00
£ 239.00	£ 297.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000305**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**

744-471-293  
 712-441-871  
 969-722-169  
 670-387-234

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 105.00	£ 120.00	£ 152.00	£ 190.00
£ 139.00	£ 168.00	£ 228.00	£ 297.00
£ 173.00	£ 216.00	£ 304.00	
£ 274.00	£ 360.00		

**Coil**

**Web Code**

103-069-874  
 803-392-056

**Width 300mm**  
**Length**  
 0.5 m  
 1 m

Quantity	
1 Reel	
£ 355.00	
£ 564.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000320**

Thickness ..... **0.06mm**  
 Temper ..... **Annealed**

Purity ..... **99.95 + %**

**Size**

**Web Code**

218-545-059  
 519-731-399  
 418-677-580  
 024-566-709

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 108.00	£ 125.00	£ 159.00	£ 201.00
£ 145.00	£ 177.00	£ 242.00	£ 318.00
£ 182.00	£ 230.00	£ 325.00	
£ 294.00	£ 411.00		

**Coil**

**Web Code**

733-429-862  
 158-400-310

**Width 300mm**  
**Length**  
 0.5 m  
 1 m

Quantity	
1 Reel	
£ 380.00	
£ 658.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000341**

Thickness ..... **0.075mm**  
 Purity ..... **99.95 + %**

Coil width ..... **0.40mm**  
 Temper ..... **Annealed**

**Coil**

**Web Code**

606-919-894  
 717-448-560  
 942-641-950  
 464-660-176  
 937-253-213

**Width 0.40mm**  
**Length**  
 0.2 m  
 0.5 m  
 1 m  
 2 m  
 5 m

Quantity	
1 Reel	
£ 92.50	
£ 101.00	
£ 111.00	
£ 127.00	
£ 170.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000340**

Thickness ..... **0.075mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

927-932-681  
 991-578-549  
 947-322-413  
 415-311-720  
 913-970-434

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

Quantity					
1pc	2pcs	5pcs	10pcs	20pcs	
£ 88.50	£ 97.00	£ 115.00	£ 138.00	£ 174.00	
£ 106.00	£ 122.00	£ 154.00	£ 193.00	£ 251.00	
£ 141.00	£ 171.00	£ 232.00	£ 303.00	£ 426.00	
£ 175.00	£ 220.00	£ 310.00	£ 455.00		
£ 219.00	£ 281.00	£ 448.00			

**Coil**

**Web Code**

407-797-261  
 974-660-913  
 832-624-495

**Width 150mm**

**Length**

0.5 m  
 1 m  
 2 m

Quantity	
1 Reel	
£ 284.00	
£ 363.00	
£ 589.00	

**Discs**

**Web Code**

246-310-066  
 788-760-620  
 595-085-912  
 385-738-487  
 217-305-754  
 163-219-131  
 402-399-292

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

Quantity			
10 discs	20 discs	50 discs	
£ 140.00	£ 156.00	£ 199.00	
£ 145.00	£ 163.00	£ 208.00	
£ 149.00	£ 169.00	£ 218.00	
£ 153.00	£ 175.00	£ 228.00	
£ 164.00	£ 191.00	£ 253.00	
£ 187.00	£ 222.00	£ 303.00	
£ 242.00	£ 301.00	£ 429.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000349**

Thickness ..... **0.09mm**  
 Purity ..... **99.95+%**

Coil width ..... **101.6mm**  
 Temper ..... **Annealed**

**Coil**

**Web Code**

256-415-145  
 014-908-354  
 939-737-420  
 741-704-810

**Width 101.6mm**

**Length**

0.1 m  
 0.2 m  
 0.5 m  
 1 m

Quantity	
1 Reel	
£ 193.00	
£ 233.00	
£ 311.00	
£ 400.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000350**

Thickness ..... **0.1mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

299-906-616  
 488-336-802  
 042-107-826  
 805-208-471

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

Quantity					
1pc	2pcs	5pcs	10pcs	20pcs	
£ 101.00	£ 113.00	£ 137.00	£ 167.00	£ 214.00	
£ 126.00	£ 148.00	£ 193.00	£ 246.00	£ 325.00	
£ 176.00	£ 218.00	£ 304.00	£ 404.00		
£ 226.00	£ 289.00	£ 426.00			

**Coil**

**Web Code**

757-115-280  
 639-409-237

**Width 150mm**

**Length**

0.5 m  
 1 m

Quantity	
1 Reel	
£ 371.00	
£ 558.00	

**Discs**

**Web Code**

934-617-004  
 827-131-245  
 391-411-438  
 926-437-012  
 804-628-648  
 578-579-239  
 322-404-728

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

Quantity			
10 discs	20 discs	50 discs	
£ 149.00	£ 168.00	£ 213.00	
£ 155.00	£ 177.00	£ 228.00	
£ 162.00	£ 186.00	£ 242.00	
£ 168.00	£ 195.00	£ 256.00	
£ 184.00	£ 217.00	£ 291.00	
£ 215.00	£ 262.00	£ 362.00	
£ 295.00	£ 375.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000351**

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

Purity ..... **99.95+%**

**Size**

**Web Code**

230-067-974  
 224-325-535  
 425-817-181  
 491-107-027  
 084-572-285

**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	
£ 101.00	£ 113.00	£ 137.00	£ 167.00	£ 214.00	
£ 126.00	£ 148.00	£ 193.00	£ 246.00	£ 325.00	
£ 176.00	£ 218.00	£ 304.00	£ 404.00		
£ 226.00	£ 289.00	£ 426.00			
£ 375.00	£ 628.00				

**Coil**

**Web Code**  
 236-323-329

**Width 300mm**  
**Length**  
 0.5 m

Quantity	
1 Reel	
£ 557.00	

**Discs**

**Web Code**  
 628-063-058  
 754-762-451  
 294-346-083  
 514-111-031  
 968-364-391  
 142-002-434  
 630-070-732

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

Quantity				
10 discs	20 discs	50 discs	100 discs	
£ 149.00	£ 168.00	£ 213.00	£ 283.00	
£ 155.00	£ 177.00	£ 228.00	£ 303.00	
£ 162.00	£ 186.00	£ 242.00	£ 323.00	
£ 168.00	£ 195.00	£ 256.00	£ 344.00	
£ 184.00	£ 217.00	£ 291.00	£ 394.00	
£ 215.00	£ 262.00	£ 362.00	£ 495.00	
£ 295.00	£ 375.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000400**

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

Purity ..... **99.95+%**

**Size**

**Web Code**

591-427-080  
 928-377-171  
 047-145-015  
 893-125-424  
 640-678-456

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

Quantity					
1pc	2pcs	5pcs	10pcs	20pcs	
£ 85.50	£ 93.00	£ 108.00	£ 128.00	£ 159.00	
£ 100.00	£ 113.00	£ 141.00	£ 174.00	£ 224.00	
£ 129.00	£ 155.00	£ 206.00	£ 333.00		
£ 159.00	£ 196.00	£ 359.00			
£ 195.00	£ 299.00				

**Coil**

**Web Code**  
 718-137-852  
 799-075-741

**Width 150mm**  
**Length**  
 0.5 m  
 1 m

Quantity	
1 Reel	
£ 282.00	
£ 471.00	

**Discs**

**Web Code**  
 084-806-068  
 600-759-304  
 094-914-416  
 864-303-159  
 037-891-087  
 736-378-266  
 047-278-081

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

Quantity			
10 discs	20 discs	50 discs	
£ 137.00	£ 152.00	£ 193.00	
£ 141.00	£ 157.00	£ 201.00	
£ 145.00	£ 162.00	£ 210.00	
£ 148.00	£ 168.00	£ 218.00	
£ 158.00	£ 181.00	£ 239.00	
£ 176.00	£ 207.00	£ 281.00	
£ 223.00	£ 274.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000401**

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

Purity ..... **99.95+%**

**Size**

**Web Code**

168-161-815  
 279-256-347  
 774-052-616  
 039-973-235

**Size**  
 25 x 25 mm  
 50 x 50 mm  
 125 x 150 mm  
 150 x 250 mm

Quantity					
1pc	2pcs	5pcs	10pcs	20pcs	
£ 85.50	£ 93.00	£ 108.00	£ 128.00	£ 159.00	
£ 100.00	£ 113.00	£ 141.00	£ 174.00	£ 224.00	
£ 151.00	£ 185.00	£ 312.00			
£ 184.00	£ 261.00				

**Discs**

**Web Code**  
 735-481-648  
 145-252-099  
 479-116-531  
 951-098-798  
 401-444-418  
 535-184-170  
 427-018-577

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

Quantity			
10 discs	20 discs	50 discs	
£ 137.00	£ 152.00	£ 193.00	
£ 141.00	£ 157.00	£ 201.00	
£ 145.00	£ 162.00	£ 210.00	
£ 148.00	£ 168.00	£ 218.00	
£ 158.00	£ 181.00	£ 239.00	
£ 176.00	£ 207.00	£ 281.00	
£ 223.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000360**

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

High Purity ..... **99.99+%**

**Size**

**Web Code**

300-587-929  
 573-496-939  
 687-123-521  
 890-446-789

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 126.00	£ 144.00	£ 180.00	£ 223.00
£ 165.00	£ 199.00	£ 267.00	£ 346.00
£ 243.00	£ 309.00	£ 441.00	
£ 321.00	£ 419.00		

**Discs**

**Web Code**

305-849-324  
 231-174-532  
 896-820-030  
 102-510-098  
 813-760-386  
 720-037-877  
 004-731-494

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

Quantity		
10 discs	20 discs	50 discs
£ 168.00	£ 190.00	£ 241.00
£ 177.00	£ 204.00	£ 263.00
£ 187.00	£ 218.00	£ 285.00
£ 197.00	£ 232.00	£ 307.00
£ 222.00	£ 266.00	£ 362.00
£ 271.00	£ 336.00	
£ 395.00		

Typical Analysis : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.

**AG000402**

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

Purity ..... **99.95+%**

**Size**

**Web Code**

657-938-640  
 790-472-654

**Size**  
 125 x 300 mm  
 250 x 300 mm

Quantity		
1pc	2pcs	5pcs
£ 184.00	£ 261.00	£ 547.00
£ 260.00	£ 449.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000410**

Thickness ..... **0.15mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

909-755-160  
 719-390-109  
 923-773-457  
 471-677-135

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

Quantity				
1pc	2pcs	5pcs	10pcs	20pcs
£ 100.00	£ 114.00	£ 142.00	£ 176.00	£ 227.00
£ 129.00	£ 155.00	£ 207.00	£ 267.00	£ 357.00
£ 187.00	£ 237.00	£ 336.00	£ 499.00	
£ 245.00	£ 319.00	£ 544.00		

**Coil**

**Web Code**

078-056-952

**Width 150mm**  
**Length**  
 0.5 m

Quantity
1 Reel
£ 411.00

**Discs**

**Web Code**

959-640-924  
 955-123-059  
 390-384-075  
 798-003-962  
 750-492-079  
 811-500-832  
 437-601-236

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

Quantity		
10 discs	20 discs	50 discs
£ 146.00	£ 166.00	£ 213.00
£ 154.00	£ 177.00	£ 230.00
£ 161.00	£ 187.00	£ 246.00
£ 169.00	£ 198.00	£ 263.00
£ 187.00	£ 224.00	£ 304.00
£ 224.00	£ 276.00	£ 387.00
£ 317.00	£ 408.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000420**

Thickness ..... **0.20mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

744-458-138  
 744-322-137  
 855-200-557  
 920-981-877

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 83.50	£ 94.00	£ 115.00	£ 141.00
£ 106.00	£ 126.00	£ 166.00	£ 213.00
£ 151.00	£ 190.00	£ 308.00	
£ 197.00	£ 281.00		

**Discs**

**Web Code**

246-004-067  
 309-986-610  
 798-261-927  
 277-679-753  
 347-741-391  
 684-035-737  
 116-601-947

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

Quantity		
10 discs	20 discs	50 discs
£ 129.00	£ 147.00	£ 197.00
£ 135.00	£ 155.00	£ 210.00
£ 141.00	£ 163.00	£ 223.00
£ 147.00	£ 172.00	£ 236.00
£ 161.00	£ 192.00	£ 269.00
£ 190.00	£ 233.00	
£ 263.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Silver**

**Ag**



**Foil**

**AG000450**

Thickness ..... **0.25mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

700-159-463  
 519-933-221  
 991-660-120  
 957-514-896

Size	Quantity			
	1pc	2pcs	5pcs	10pcs
25 x 25 mm	£ 86.00	£ 97.50	£ 121.00	£ 150.00
50 x 50 mm	£ 111.00	£ 133.00	£ 178.00	£ 230.00
100 x 100 mm	£ 162.00	£ 205.00	£ 369.00	
150 x 150 mm	£ 213.00	£ 335.00		

**Discs**

**Web Code**

689-360-807  
 170-111-784  
 263-969-383  
 996-173-727  
 521-717-479  
 214-685-739  
 835-721-514

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 131.00	£ 149.00	£ 200.00
6 mm	£ 137.00	£ 158.00	£ 215.00
8 mm	£ 144.00	£ 167.00	£ 229.00
10 mm	£ 150.00	£ 176.00	£ 244.00
15 mm	£ 166.00	£ 199.00	£ 280.00
25 mm	£ 199.00	£ 245.00	
50 mm	£ 280.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000460**

Thickness ..... **0.25mm**  
 Temper ..... **As rolled**

High Purity ..... **99.99+%**

**Size**

**Web Code**

465-189-035  
 148-630-463  
 578-810-212  
 351-283-139

Size	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
25 x 25 mm	£ 144.00	£ 168.00	£ 219.00	£ 278.00	£ 366.00
50 x 50 mm	£ 200.00	£ 248.00	£ 345.00	£ 456.00	
100 x 100 mm	£ 313.00	£ 407.00	£ 658.00		
150 x 150 mm	£ 425.00	£ 598.00			

**Discs**

**Web Code**

910-393-837  
 799-230-551  
 903-824-955  
 978-117-145  
 264-638-871  
 079-858-634  
 982-331-399

Diameter	Quantity		
	10 discs	20 discs	50 discs
4 mm	£ 176.00	£ 202.00	£ 261.00
6 mm	£ 191.00	£ 222.00	£ 293.00
8 mm	£ 205.00	£ 243.00	£ 325.00
10 mm	£ 219.00	£ 263.00	£ 357.00
15 mm	£ 255.00	£ 314.00	£ 438.00
25 mm	£ 327.00	£ 415.00	£ 599.00
50 mm	£ 507.00	£ 733.00	

Typical Analysis : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.

**AG000451**

Thickness ..... **0.25mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**  
 Condition ..... **Flattened**

**Size**

**Web Code**

053-210-237  
 974-303-394  
 600-834-348

Size	Quantity
	1pc
250 x 300 mm	POA
300 x 500 mm	POA
300 x 1000 mm	POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000462**

Thickness ..... **0.30mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

507-430-987  
 914-087-326  
 762-874-934

Size	Quantity		
	1pc	2pcs	5pcs
50 x 50 mm	£ 116.00	£ 140.00	£ 189.00
100 x 100 mm	£ 172.00	£ 219.00	
150 x 150 mm	£ 227.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000466**

Thickness ..... **0.5mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Discs**

**Web Code**

548-214-823

Diameter	Quantity			
	1 discs	2 discs	5 discs	10 discs
19 mm	£ 88.50	£ 97.50	£ 117.00	£ 142.00

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Foil**

**AG000465**

Thickness ..... **0.5mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**

791-424-639  
 928-082-106  
 010-264-694  
 283-079-216

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

**Quantity**

	<b>1pc</b>	<b>2pcs</b>	<b>5pcs</b>
25 x 25 mm	£ 80.50	£ 94.50	£ 126.00
50 x 50 mm	£ 106.00	£ 131.00	£ 231.00
100 x 100 mm	£ 185.00	£ 318.00	
150 x 150 mm	£ 347.00		

**Discs**

**Web Code**

384-904-190  
 113-012-531  
 126-567-300  
 820-918-537  
 614-822-695  
 852-834-007

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

**Quantity**

	<b>10 discs</b>	<b>20 discs</b>	<b>50 discs</b>
4 mm	£ 158.00	£ 206.00	£ 261.00
6 mm	£ 167.00	£ 218.00	£ 280.00
8 mm	£ 175.00	£ 230.00	£ 300.00
10 mm	£ 183.00	£ 242.00	£ 321.00
15 mm	£ 204.00	£ 271.00	£ 411.00
25 mm	£ 245.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000470**

Thickness ..... **0.5mm**  
 Temper ..... **As rolled**

High Purity ..... **99.99+%**

**Size**

**Web Code**

531-309-788  
 413-722-432  
 715-308-269  
 413-527-916

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

**Quantity**

	<b>1pc</b>	<b>2pcs</b>	<b>5pcs</b>
25 x 25 mm	£ 96.50	£ 114.00	£ 154.00
50 x 50 mm	£ 125.00	£ 154.00	£ 287.00
100 x 100 mm	£ 225.00	£ 387.00	
150 x 150 mm	£ 421.00		

**Discs**

**Web Code**

690-989-562  
 373-691-320  
 711-424-322  
 928-048-123  
 006-017-828  
 752-225-476

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

**Quantity**

	<b>10 discs</b>	<b>20 discs</b>	<b>50 discs</b>
4 mm	£ 181.00	£ 215.00	£ 313.00
6 mm	£ 190.00	£ 228.00	£ 334.00
8 mm	£ 199.00	£ 242.00	£ 356.00
10 mm	£ 208.00	£ 255.00	£ 379.00
15 mm	£ 230.00	£ 287.00	£ 497.00
25 mm	£ 285.00		

Typical Analysis : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.

**AG000467**

Thickness ..... **0.5mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**  
 Condition ..... **Flattened**

**Size**

**Web Code**

069-278-803  
 888-683-904  
 015-577-273

**Size**  
 50 x 50 mm  
 100 x 100 mm  
 100 x 200 mm

**Quantity**

	<b>1pc</b>	<b>2pcs</b>	<b>5pcs</b>
50 x 50 mm	£ 112.00	£ 140.00	£ 272.00
100 x 100 mm	£ 218.00	£ 384.00	
100 x 200 mm	£ 381.00		

**Discs**

**Web Code**

811-092-018  
 583-840-202  
 489-037-670  
 556-277-134  
 943-855-488  
 120-638-443

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

**Quantity**

	<b>10 discs</b>	<b>20 discs</b>	<b>50 discs</b>
4 mm	£ 160.00	£ 209.00	£ 266.00
6 mm	£ 170.00	£ 222.00	£ 287.00
8 mm	£ 179.00	£ 236.00	£ 310.00
10 mm	£ 188.00	£ 250.00	£ 333.00
15 mm	£ 211.00	£ 282.00	
25 mm	£ 270.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000468**

Thickness ..... **0.5mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**  
 Condition ..... **Flattened**

**Size**

**Web Code**

566-671-454  
 453-719-107  
 445-665-999

**Size**  
 200 x 200 mm  
 200 x 500 mm  
 200 x 1000 mm

**Quantity**

**1pc**  
 POA  
 POA  
 POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.



**Silver**

**Ag**



**Foil**

**AG000475**

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

Purity ..... **99.95+%**

**Size**

**Web Code**  
 522-321-168  
 290-145-234  
 268-155-416  
 519-427-971

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 91.00	£ 110.00	£ 150.00	£ 248.00
£ 128.00	£ 188.00	POA	
£ 315.00	POA		
POA			

**Discs**

**Web Code**  
 928-494-171  
 061-763-030  
 720-380-118  
 047-512-658  
 939-080-656  
 385-075-421

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

Quantity		
10 discs	20 discs	50 discs
£ 165.00	£ 216.00	£ 277.00
£ 177.00	£ 233.00	£ 305.00
£ 189.00	£ 251.00	£ 335.00
£ 201.00	£ 269.00	£ 397.00
£ 230.00	£ 333.00	£ 598.00
£ 346.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000480**

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

High Purity ..... **99.99+%**

**Size**

**Web Code**  
 803-188-199  
 398-513-657  
 814-203-421  
 775-425-448

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 108.00	£ 131.00	£ 189.00	£ 298.00
£ 148.00	£ 230.00	£ 483.00	
£ 381.00	£ 700.00		
£ 773.00			

**Discs**

**Web Code**  
 928-182-660  
 022-826-336  
 853-288-937  
 661-113-318  
 639-162-857  
 895-352-790

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

Quantity		
10 discs	20 discs	50 discs
£ 188.00	£ 226.00	£ 330.00
£ 201.00	£ 245.00	£ 361.00
£ 214.00	£ 264.00	£ 405.00
£ 228.00	£ 284.00	£ 480.00
£ 260.00	£ 370.00	£ 722.00
£ 408.00		

Typical Analysis : Al 1, Au 10, Bi <1, Ca 1, Cd <1, Cr <1, Cu 5, Fe 8, Mg <1, Mn <1, Na <1, Pb 1, Pd 3, Si 2, Sn <1.

**AG000501**

Thickness ..... **2.0mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

Condition ..... **Polished on 1 side**

**Size**

**Web Code**  
 749-854-965  
 133-620-491

**Size**  
 25 x 25 mm  
 50 x 50 mm

Quantity	
1pc	2pcs
£ 118.00	£ 156.00
£ 251.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000500**

Thickness ..... **2.0mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**  
 886-463-838  
 807-986-754  
 998-344-859  
 793-112-360

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

Quantity			
1pc	2pcs	5pcs	10pcs
£ 106.00	£ 131.00	£ 231.00	£ 411.00
£ 185.00	£ 318.00	POA	
POA			
POA			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000530**

Thickness ..... **3mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**  
 168-604-721  
 075-588-921

**Size**  
 50 x 50 mm  
 100 x 100 mm

Quantity	
1pc	2pcs
£ 250.00	POA
POA	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG000550**

Thickness ..... **6mm**  
 Temper ..... **As rolled**

Purity ..... **99.95+%**

**Size**

**Web Code**  
 633-912-487  
 239-060-997

**Size**  
 50 x 50 mm  
 100 x 100 mm

Quantity	
1pc	2pcs
£ 445.00	POA
POA	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Sputtering Target**

<b>AG009300</b>	Thickness . . . . . <b>3.0mm</b>	Purity . . . . . <b>99.99%</b>
<b>Size</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Disc diam.</b>	<b>1disc</b>
573-225-486	25 mm	POA
864-826-379	50 mm	POA
547-787-190	75 mm	POA

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.  
 These targets are normally available for immediate shipment from stock. Other sizes are available to special order.

<b>AG009500</b>	Thickness . . . . . <b>5.0mm</b>	Purity . . . . . <b>99.99%</b>
<b>Size</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Disc diam.</b>	<b>1disc</b>
174-891-771	31 mm	POA

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.  
 These targets are normally available for immediate shipment from stock. Other sizes are available to special order.

<b>AG009600</b>	Thickness . . . . . <b>6.0mm</b>	Purity . . . . . <b>99.99%</b>
<b>Size</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Disc diam.</b>	<b>1disc</b>
655-741-648	25 mm	POA
103-292-296	50 mm	POA
940-851-290	75 mm	POA

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.  
 These targets are normally available for immediate shipment from stock. Other sizes are available to special order.



**Mesh**

<b>AG008710</b>	Nominal Aperture . . . . . <b>0.25mm</b>	Wire diameter . . . . . <b>0.06mm</b>
	Wires/inch . . . . . <b>82x82</b>	Open area . . . . . <b>65%</b>
	Type . . . . . <b>Plain weave mesh</b>	
<b>Size</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Size</b>	<b>1pc</b>
853-678-745	20 x 20 mm	£ 139.00
526-449-555	40 x 40 mm	£ 199.00
960-337-198	80 x 80 mm	£ 509.00
		<b>2pcs</b>
		£ 175.00
		<b>5pcs</b>
		£ 245.00



**Wire**

<b>AG005102</b>	Diameter . . . . . <b>0.0125mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Hard</b>	
<b>Length</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
481-295-095	1 m	£ 339.00
576-820-421	5 m	£ 651.00

Typical Analysis : Al <2, Au <2, Bi <2, Cd <2, Cu 15, Fe <5, In <1, Mn <2, Ni <2, Pb <3, Sb <2, Sn <3, Zn <10.  
 1m and 5m reels only.

<b>AG005104</b>	Diameter . . . . . <b>0.015mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Hard</b>	
<b>Length</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
630-723-128	1 m	£ 281.00
812-683-428	5 m	£ 521.00

Typical Analysis : Al <2, Au <2, Bi <2, Cd <2, Cu 15, Fe <5, In <1, Mn <2, Ni <2, Pb <3, Sb <2, Sn <3, Zn <10.  
 1m and 5m reels only.

<b>AG005106</b>	Diameter . . . . . <b>0.015mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
<b>Length</b>	<b>Quantity</b>	
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
842-179-781	1 m	£ 281.00
352-116-082	5 m	£ 521.00

Typical Analysis : Al <2, Au <2, Bi <2, Cd <2, Cu 15, Fe <5, In <1, Mn <2, Ni <2, Pb <3, Sb <2, Sn <3, Zn <10.  
 1m and 5m reels only.

**Metal – Silver**

**Silver**

**Ag**



**Wire**

<b>AG005105</b>	Diameter . . . . . <b>0.025mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
400-124-346	1 m	£ 135.00
894-058-488	2 m	£ 156.00
015-547-801	5 m	£ 196.00
943-483-788	10 m	£ 242.00
757-309-898	20 m	£ 307.00

Typical Analysis : Al 5, Au 5, Bi 2, Cd 3, Cu 35, Fe 10, Mn 2, Ni <3, Pb <3, Sb 5, Sn 2, Zn 10.

<b>AG005107</b>	Diameter . . . . . <b>0.025mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
768-706-486	1 m	£ 135.00
736-160-368	2 m	£ 156.00
399-621-444	5 m	£ 196.00
735-434-408	10 m	£ 242.00
386-940-005	20 m	£ 307.00

Typical Analysis : Al 5, Au 5, Bi 2, Cd 3, Cu 35, Fe 10, Mn 2, Ni <3, Pb <3, Sb 5, Sn 2, Zn 10.

<b>AG005220</b>	Diameter . . . . . <b>0.050mm</b>	Purity . . . . . <b>99.99%</b>
	Condition . . . . . <b>Gold plated wire</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
514-124-632	0.5 m	£ 146.00
265-586-244	1 m	£ 185.00
198-278-164	2 m	£ 243.00
784-770-696	5 m	£ 344.00

Typical Analysis : Al 5, Au 5, Bi 2, Cd 3, Cu 35, Fe 10, Mn 2, Ni <3, Pb <3, Sb 5, Sn 2, Zn 10.

<b>AG005110</b>	Diameter . . . . . <b>0.05mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
957-599-601	10 m	£ 76.50
699-955-698	50 m	£ 97.00
494-452-202	100 m	£ 114.00
806-537-211	500 m	£ 207.00
817-161-717	1000 m	£ 326.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005113</b>	Diameter . . . . . <b>0.075mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
479-762-946	5 m	£ 72.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005116</b>	Diameter . . . . . <b>0.1mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
481-480-508	5 m	£ 74.50
326-497-782	10 m	£ 84.00
122-665-353	20 m	£ 92.50
109-457-739	100 m	£ 131.00
046-724-257	500 m	£ 317.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005120</b>	Diameter . . . . . <b>0.125mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
151-579-198	5 m	£ 73.50
296-185-237	10 m	£ 83.00
023-152-475	20 m	£ 91.50
423-805-466	100 m	£ 130.00
975-678-029	500 m	£ 316.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

**Metal – Silver**

**Silver**

**Ag**



**Wire**

<b>AG005124</b>	Diameter . . . . . <b>0.15mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
186-212-663	5 m	£ 76.00
962-029-208	10 m	£ 87.00
276-528-993	20 m	£ 96.50
066-883-234	100 m	£ 142.00
644-713-387	250 m	£ 240.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005127</b>	Diameter . . . . . <b>0.20mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
638-407-209	5 m	£ 74.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005140</b>	Diameter . . . . . <b>0.25mm</b>	High Purity . . . . . <b>99.997%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
921-766-017	0.5 m	£ 97.50
220-756-578	1 m	£ 106.00
594-563-020	5 m	£ 147.00
926-153-406	10 m	£ 184.00
320-381-962	25 m	£ 276.00

Typical Analysis : Ca <1, Cd <1, Cu <1, Fe 2, Mg <1, Na <1, Si 1.

<b>AG005130</b>	Diameter . . . . . <b>0.25mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
267-930-189	5 m	£ 74.00
693-428-466	10 m	£ 88.00
769-178-752	20 m	£ 103.00
147-346-943	50 m	£ 139.00
408-095-179	100 m	£ 223.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005145</b>	Diameter . . . . . <b>0.35mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
683-764-154	5 m	£ 84.50
824-966-838	10 m	£ 103.00
806-343-485	20 m	£ 123.00
699-562-183	50 m	£ 225.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005150</b>	Diameter . . . . . <b>0.5mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>Annealed</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
968-137-820	1 m	£ 82.00
978-373-859	2 m	£ 94.00
017-233-069	5 m	£ 117.00
548-406-522	10 m	£ 144.00
651-924-636	20 m	£ 193.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

<b>AG005155</b>	Diameter . . . . . <b>0.8mm</b>	Purity . . . . . <b>99.99%</b>
	Temper . . . . . <b>As drawn</b>	
	<b>Length</b>	<b>Quantity</b>
<b>Web Code</b>	<b>Length</b>	<b>1 Reel</b>
778-702-015	0.5 m	£ 83.50
684-352-316	1 m	£ 97.50
296-735-914	2 m	£ 116.00
544-039-509	5 m	£ 152.00
004-942-766	10 m	£ 219.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

**Metal – Silver**

**Silver**

**Ag**



**Wire**

**AG005160**

Diameter ..... **1.0mm**  
 Temper ..... **Annealed**

Purity ..... **99.99%**

**Length**

**Web Code**  
 660-397-904  
 638-652-448  
 831-560-817  
 945-108-740  
 138-597-256

Quantity	
Length	1 Reel
0.2 m	£ 75.50
0.5 m	£ 90.50
1 m	£ 107.00
5 m	£ 177.00
10 m	£ 301.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

**AG005170**

Diameter ..... **2.0mm**  
 Temper ..... **Annealed**

Purity ..... **99.99%**

**Length**

**Web Code**  
 067-692-009  
 093-089-768  
 182-612-668  
 106-632-196  
 280-150-840

Quantity	
Length	1 Reel
0.1 m	£ 83.50
0.2 m	£ 97.50
0.5 m	£ 125.00
1 m	£ 156.00
2 m	£ 234.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.



**Insulated Wire**

Insulating coatings of polyurethane, polyimide and Nylon are also available.

**AG005816**

Conductor diameter ..... **0.025mm**  
 Purity ..... **99.99%**

Insulation thickness ..... **0.005mm**  
 Insulation ..... **Polyurethane**

**Length**

**Web Code**  
 700-181-291  
 362-058-607  
 006-658-610  
 982-650-667  
 580-856-464

Quantity	
Length	1 Reel
2 m	£ 88.00
5 m	£ 105.00
10 m	£ 123.00
20 m	£ 180.00
50 m	£ 349.00

Typical Analysis :

**AG005815**

Conductor diameter ..... **0.025mm**  
 Purity ..... **99.99%**

Insulation thickness ..... **0.005mm**  
 Insulation ..... **Polyester**

**Length**

**Web Code**  
 245-395-644  
 674-453-878  
 306-736-610  
 342-083-886  
 760-486-230

Quantity	
Length	1 Reel
2 m	£ 88.00
5 m	£ 105.00
10 m	£ 123.00
20 m	£ 180.00
50 m	£ 349.00

Typical Analysis :

**AG005820**

Conductor diameter ..... **0.04mm**  
 Purity ..... **99.99%**  
 Condition ..... **Butyral bond coating 0.005 mm thick**

Insulation thickness ..... **0.007mm**  
 Insulation ..... **Polyester**

**Length**

**Web Code**  
 142-079-812  
 280-245-454  
 945-134-514  
 207-450-190  
 103-866-156

Quantity	
Length	1 Reel
2 m	£ 129.00
5 m	£ 195.00
10 m	£ 331.00
20 m	£ 603.00
50 m	£ 1420.00

Typical Analysis :

**AG005825**

Conductor diameter ..... **0.05mm**  
 Purity ..... **99.99%**

Insulation thickness ..... **0.0075mm**  
 Insulation ..... **Polyester**

**Length**

**Web Code**  
 060-784-274  
 598-026-663  
 753-335-176  
 166-893-478  
 861-682-780

Quantity	
Length	1 Reel
2 m	£ 84.50
5 m	£ 100.00
10 m	£ 117.00
20 m	£ 156.00
50 m	£ 302.00

Typical Analysis :

**Metal – Silver**

**Silver**

**Ag**



**Insulated Wire**

**AG005810**

Conductor diameter..... **0.075mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.010mm**  
 Insulation..... **PTFE (Polytetrafluoroethylene)**

**Length**

**Web Code**  
 096-329-213  
 041-150-010  
 143-761-023  
 970-127-738  
 265-963-128

**Quantity**

Length	1 Reel
1 m	£ 87.50
2 m	£ 104.00
5 m	£ 156.00
10 m	£ 262.00
20 m	£ 467.00

Typical Analysis :

**AG005811**

Conductor diameter..... **0.075mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.010mm**  
 Insulation..... **Nylon**

**Length**

**Web Code**  
 603-641-993  
 593-052-374  
 824-170-461  
 810-673-942  
 092-197-979

**Quantity**

Length	1 Reel
1 m	£ 87.50
2 m	£ 104.00
5 m	£ 156.00
10 m	£ 262.00
20 m	£ 467.00

Typical Analysis :

**AG005842**

Conductor diameter..... **0.125mm**  
 Purity..... **99.9%**

Insulation thickness..... **0.0125mm**  
 Insulation..... **Polyimide**

**Length**

**Web Code**  
 254-922-938  
 488-343-115  
 213-079-249  
 432-201-915

**Quantity**

Length	1 Reel
5 m	£ 96.00
10 m	£ 112.00
20 m	£ 144.00
50 m	£ 271.00

Typical Analysis : Al 1, Au 20, Bi 1, Ca 3, Cd 20, Cr <1, Cu 500, Fe 7, Mg 1, Mn <1, Na 1, Ni 10, Pb 50, Si <1, Sn 3.

**AG005840**

Conductor diameter..... **0.125mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.0125mm**  
 Insulation..... **Polyester**

**Length**

**Web Code**  
 710-348-690  
 793-580-023  
 197-509-905  
 688-747-556  
 093-445-271

**Quantity**

Length	1 Reel
2 m	£ 84.50
5 m	£ 100.00
10 m	£ 117.00
20 m	£ 161.00
50 m	£ 313.00

Typical Analysis :

**AG005845**

Conductor diameter..... **0.125mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.015mm**  
 Insulation..... **PTFE (Polytetrafluoroethylene)**

**Length**

**Web Code**  
 479-905-483  
 988-178-670  
 522-326-550  
 290-815-722  
 351-974-430

**Quantity**

Length	1 Reel
2 m	£ 98.50
5 m	£ 122.00
10 m	£ 155.00
20 m	£ 252.00
50 m	£ 542.00

Typical Analysis :

**AG005856**

Conductor diameter..... **0.25mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.005mm**  
 Insulation..... **Polyurethane**

**Length**

**Web Code**  
 553-638-552  
 753-149-323  
 983-848-222  
 308-044-879  
 773-846-490

**Quantity**

Length	1 Reel
1 m	£ 87.50
2 m	£ 99.50
5 m	£ 124.00
10 m	£ 166.00
20 m	£ 274.00

Typical Analysis :

**AG005860**

Conductor diameter..... **0.25mm**  
 Purity..... **99.99%**

Insulation thickness..... **0.015mm**  
 Insulation..... **Epoxy**

**Length**

**Web Code**  
 187-116-931  
 389-619-737  
 702-472-680  
 809-075-325  
 134-422-286

**Quantity**

Length	1 Reel
2 m	£ 96.00
5 m	£ 117.00
10 m	£ 153.00
20 m	£ 240.00
50 m	£ 502.00

Typical Analysis :

**Metal – Silver**

**Silver**

**Ag**



**Insulated Wire**

**AG005850**

Conductor diameter . . . . . **0.25mm**  
 Purity . . . . . **99.99%**

Insulation thickness . . . . . **0.023mm**  
 Insulation . . . . . **Polyester**

**Length**

**Web Code**  
 996-805-637  
 600-708-565  
 088-566-581  
 070-816-359  
 852-048-630

Quantity	
Length	1 Reel
2 m	£ 94.50
5 m	£ 114.00
10 m	£ 134.00
20 m	£ 194.00
50 m	£ 389.00

Typical Analysis :

**AG005855**

Conductor diameter . . . . . **0.25mm**  
 Purity . . . . . **99.99%**

Insulation thickness . . . . . **0.024mm**  
 Insulation . . . . . **PTFE (Polytetrafluoroethylene)**

**Length**

**Web Code**  
 506-081-669  
 260-204-931  
 525-624-933  
 703-115-960  
 889-496-938

Quantity	
Length	1 Reel
2 m	£ 99.50
5 m	£ 124.00
10 m	£ 166.00
20 m	£ 274.00
50 m	£ 596.00

Typical Analysis :

**AG005852**

Conductor diameter . . . . . **0.25mm**  
 Purity . . . . . **99.99%**

Insulation thickness . . . . . **0.025mm**  
 Insulation . . . . . **Polyimide**

**Length**

**Web Code**  
 916-479-170  
 550-344-569  
 864-301-686  
 294-811-503  
 038-573-289

Quantity	
Length	1 Reel
1 m	£ 91.50
2 m	£ 104.00
5 m	£ 128.00
10 m	£ 172.00
20 m	£ 280.00

Typical Analysis :



**Rod**

**AG007902**

Diameter . . . . . **1.0mm**  
 Temper . . . . . **As drawn**

Purity . . . . . **99.95 + %**

**Size**

**Web Code**  
 564-072-711  
 533-456-064  
 000-493-514  
 138-134-114

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 90.00	£ 104.00	£ 136.00	£ 161.00
200 mm	£ 99.00	£ 117.00	£ 157.00	£ 191.00
500 mm	£ 117.00	£ 143.00		
1000 mm	£ 138.00	£ 172.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007905**

Diameter . . . . . **1.5mm**  
 Temper . . . . . **As drawn**

Purity . . . . . **99.95 + %**

**Size**

**Web Code**  
 934-961-021  
 870-136-052  
 767-004-718  
 875-594-533

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 96.50	£ 113.00	£ 151.00	£ 183.00
200 mm	£ 108.00	£ 130.00	£ 178.00	£ 226.00
500 mm	£ 132.00	£ 164.00	£ 255.00	
1000 mm	£ 159.00	£ 207.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007910**

Diameter . . . . . **2.0mm**  
 Temper . . . . . **As drawn**

Purity . . . . . **99.95 + %**

**Size**

**Web Code**  
 449-313-936  
 164-243-000  
 530-385-376  
 298-163-981

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 98.50	£ 120.00	£ 168.00	£ 229.00
200 mm	£ 115.00	£ 144.00	£ 205.00	£ 346.00
500 mm	£ 149.00	£ 191.00		
1000 mm	£ 186.00	£ 308.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007911**

Diameter . . . . . **2.6mm**  
 Temper . . . . . **As drawn**

Purity . . . . . **99.95 + %**

**Size**

**Web Code**  
 367-439-571  
 720-888-475  
 926-814-664  
 825-675-690

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 106.00	£ 133.00	£ 198.00
200 mm	£ 123.00	£ 157.00	
500 mm	£ 157.00	£ 246.00	
1000 mm	£ 236.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Rod**

**AG007912**

Diameter ..... **3.0mm**  
 Temper ..... **As drawn**

High Purity ..... **99.997%**

**Size**

**Web Code**  
 297-366-922  
 439-079-918  
 714-670-162  
 860-432-478

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 128.00	£ 162.00	£ 262.00
200 mm	£ 158.00	£ 211.00	£ 448.00
500 mm	£ 243.00	£ 434.00	
1000 mm	£ 429.00		

Typical Analysis : Ca <1, Cd <1, Cu <1, Fe 2, Mg <1, Na <1, Si 1.

**AG007915**

Diameter ..... **3.5mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 955-748-867  
 658-418-463  
 283-561-160  
 348-761-097

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 113.00	£ 141.00	£ 201.00
200 mm	£ 136.00	£ 174.00	£ 306.00
500 mm	£ 182.00	£ 291.00	
1000 mm	£ 287.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007920**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 270-496-864  
 812-101-696  
 512-703-190  
 087-889-884

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 157.00	£ 202.00	£ 353.00
200 mm	£ 190.00	£ 280.00	£ 591.00
500 mm	£ 315.00	£ 566.00	
1000 mm	£ 554.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007928**

Diameter ..... **6.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 442-757-320  
 273-271-798  
 073-145-994  
 245-062-109

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
50 mm	£ 146.00	£ 187.00	£ 291.00	£ 498.00
100 mm	£ 174.00	£ 231.00	£ 467.00	
200 mm	£ 218.00	£ 371.00		
500 mm	£ 429.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007936**

Diameter ..... **7.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 713-771-282  
 409-464-071  
 708-248-763  
 939-777-802

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
50 mm	£ 153.00	£ 197.00	£ 330.00	POA
100 mm	£ 184.00	£ 262.00	POA	
200 mm	£ 250.00	POA		
500 mm	POA			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007935**

Diameter ..... **7.0mm**  
 Temper ..... **As drawn**

High Purity ..... **99.99%**

**Size**

**Web Code**  
 596-422-860  
 959-505-818  
 938-225-106  
 278-144-620

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
50 mm	£ 163.00	£ 211.00	£ 393.00	£ 703.00
100 mm	£ 199.00	£ 312.00	£ 672.00	
200 mm	£ 300.00	£ 535.00		
500 mm	£ 634.00			

Typical Analysis : Au <5, Bi 3, Cd 3, Cu 70, Fe 5, Na <1, Pb <2, Sn <5.

**AG007930**

Diameter ..... **7.0mm**  
 Temper ..... **As drawn**

High Purity ..... **99.999%**

**Size**

**Web Code**  
 986-237-497  
 279-676-075  
 919-828-078

Length	Quantity	
	1pc	2pcs
50 mm	£ 202.00	£ 263.00
100 mm	£ 251.00	£ 412.00
200 mm	£ 399.00	

Typical Analysis : Fe 1, Mg <1, Na <1.

**Metal – Silver**



**Silver**

**Ag**



**Rod**

**AG007938**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 839-346-927  
 573-335-736  
 135-963-077  
 665-205-046

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
50 mm	£ 164.00	£ 212.00	£ 396.00	£ 708.00
100 mm	£ 199.00	£ 315.00	£ 677.00	
200 mm	£ 302.00	£ 539.00		
500 mm	£ 639.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007940**

Diameter ..... **10.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 816-328-862  
 263-411-638  
 010-688-470  
 336-052-872

Length	Quantity		
	1pc	2pcs	5pcs
25 mm	£ 164.00	£ 212.00	£ 370.00
50 mm	£ 197.00	£ 292.00	
100 mm	£ 277.00	£ 485.00	
200 mm	£ 471.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007942**

Diameter ..... **12.7mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 720-010-889  
 537-766-591  
 144-316-547  
 593-036-399

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
25 mm	£ 185.00	£ 251.00	£ 508.00	POA
50 mm	£ 236.00	£ 402.00	POA	
100 mm	£ 387.00	POA		
200 mm	POA			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007945**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 784-855-295  
 584-107-161  
 461-061-205

Length	Quantity	
	1pc	2pcs
25 mm	£ 211.00	£ 342.00
50 mm	£ 328.00	£ 586.00
100 mm	£ 571.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007950**

Diameter ..... **20.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 825-852-001  
 231-507-195  
 938-394-397

Length	Quantity
	1pc
25 mm	POA
50 mm	POA
100 mm	POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007955**

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

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 162-008-416  
 188-008-617  
 925-118-395

Length	Quantity
	1pc
25 mm	POA
50 mm	POA
100 mm	POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007958**

Diameter ..... **35mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 712-679-027  
 736-076-215  
 719-776-077

Length	Quantity
	1pc
25 mm	POA
50 mm	POA
100 mm	POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007959**

Diameter ..... **40.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95 + %**

**Size**

**Web Code**  
 748-466-839  
 533-312-632  
 199-378-302

Length	Quantity
	1pc
12 mm	POA
25 mm	POA
50 mm	POA

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Rod**

**AG007960**

Diameter ..... **50.0mm**  
 Temper ..... **As drawn**

Purity ..... **99.95+%**

**Size**

**Web Code**  
 815-790-116  
 973-774-743  
 721-849-232

Length	Quantity		
	1pc	2pcs	5pcs
25 mm	POA		
50 mm	POA		
100 mm	POA		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.



**Tube**

**AG007050**

Outside Diameter ..... **0.7mm**  
 Inside Diameter ..... **0.3mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.2mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 449-580-445  
 275-425-388  
 884-620-974  
 706-995-286

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 143.00	£ 173.00	£ 271.00
200 mm	£ 169.00	£ 226.00	£ 446.00
500 mm	£ 257.00	£ 437.00	
1000 mm	£ 433.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007100**

Outside Diameter ..... **1.1mm**  
 Inside Diameter ..... **0.75mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.175mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 189-874-294  
 734-283-529  
 785-449-749  
 181-221-165

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	£ 140.00	£ 168.00	£ 252.00	£ 419.00	£ 752.00
200 mm	£ 164.00	£ 211.00	£ 409.00	£ 732.00	
500 mm	£ 239.00	£ 399.00	£ 880.00		
1000 mm	£ 396.00	£ 713.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007130**

Outside Diameter ..... **1.64mm**  
 Inside Diameter ..... **1.09mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.275mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 946-630-194

Length	Quantity		
	5pcs	10pcs	20pcs
16.5 mm	£ 168.00	£ 227.00	£ 360.00

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007150**

Outside Diameter ..... **1.75mm**  
 Inside Diameter ..... **1.55mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.1mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 652-638-223  
 579-779-712  
 472-474-204  
 059-285-095

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 139.00	£ 167.00	£ 248.00
200 mm	£ 163.00	£ 207.00	£ 400.00
500 mm	£ 234.00	£ 390.00	
1000 mm	£ 386.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007200**

Outside Diameter ..... **2.0mm**  
 Inside Diameter ..... **1.6mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.2mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 410-629-790  
 328-712-584  
 089-067-990  
 133-490-660

Length	Quantity				
	1pc	2pcs	5pcs	10pcs	20pcs
100 mm	£ 140.00	£ 168.00	£ 245.00	£ 403.00	£ 718.00
200 mm	£ 164.00	£ 206.00	£ 393.00	£ 697.00	
500 mm	£ 231.00	£ 383.00	£ 835.00		
1000 mm	£ 379.00	£ 677.00			

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007220**

Outside Diameter ..... **2.8mm**  
 Inside Diameter ..... **2.5mm**  
 Temper ..... **As drawn**

Wall Thickness ..... **0.15mm**  
 Purity ..... **99.95+%**

**Size**

**Web Code**  
 686-333-217  
 791-652-113  
 956-513-541  
 564-191-172

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 134.00	£ 167.00	£ 237.00	£ 376.00
200 mm	£ 163.00	£ 208.00	£ 356.00	
500 mm	£ 220.00	£ 344.00		
1000 mm	£ 340.00	£ 620.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Silver**

**Ag**



**Tube**

**AG007230**

Outside Diameter . . . . . **3.5mm**  
 Inside Diameter . . . . . **3.04mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **0.23mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

523-894-342  
 486-795-874  
 849-480-584  
 185-065-949

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 121.00	£ 149.00	£ 207.00	£ 280.00
200 mm	£ 144.00	£ 181.00	£ 259.00	
500 mm	£ 190.00	£ 247.00		
1000 mm	£ 242.00	£ 410.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007250**

Outside Diameter . . . . . **4.65mm**  
 Inside Diameter . . . . . **4.15mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **0.25mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

379-491-705  
 436-470-048  
 558-762-369  
 845-295-584

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 127.00	£ 156.00	£ 219.00	£ 297.00
200 mm	£ 151.00	£ 191.00	£ 274.00	£ 458.00
500 mm	£ 200.00	£ 260.00	£ 522.00	
1000 mm	£ 256.00	£ 421.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007251**

Outside Diameter . . . . . **4.65mm**  
 Inside Diameter . . . . . **4.23mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **0.21mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

524-466-966  
 051-732-974  
 866-454-142  
 755-813-106

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 127.00	£ 156.00	£ 219.00	£ 297.00
200 mm	£ 151.00	£ 191.00	£ 274.00	£ 458.00
500 mm	£ 200.00	£ 260.00	£ 522.00	
1000 mm	£ 256.00	£ 421.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007260**

Outside Diameter . . . . . **5.0mm**  
 Inside Diameter . . . . . **4.5mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **0.25mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

133-245-314  
 655-666-608  
 958-328-831  
 791-106-045

Length	Quantity			
	1pc	2pcs	5pcs	10pcs
100 mm	£ 127.00	£ 156.00	£ 219.00	£ 297.00
200 mm	£ 151.00	£ 191.00	£ 274.00	£ 457.00
500 mm	£ 200.00	£ 260.00	£ 521.00	
1000 mm	£ 255.00	£ 420.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007300**

Outside Diameter . . . . . **6.0mm**  
 Inside Diameter . . . . . **4mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **1.0mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

888-251-357  
 031-414-701  
 926-842-903  
 855-367-044

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 160.00	£ 203.00	£ 317.00
200 mm	£ 190.00	£ 245.00	£ 496.00
500 mm	£ 267.00	£ 459.00	
1000 mm	£ 446.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007325**

Outside Diameter . . . . . **7.0mm**  
 Inside Diameter . . . . . **6mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **0.5mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

347-980-345  
 511-661-995  
 990-922-569

Length	Quantity		
	1pc	2pcs	5pcs
100 mm	£ 160.00	£ 203.00	£ 317.00
200 mm	£ 190.00	£ 245.00	£ 496.00
500 mm	£ 267.00	£ 459.00	

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007335**

Outside Diameter . . . . . **8.0mm**  
 Inside Diameter . . . . . **5.0mm**  
 Temper . . . . . **As drawn**

Wall Thickness . . . . . **1.5mm**  
 Purity . . . . . **99.95+%**

**Size**

**Web Code**

216-953-390  
 022-971-894  
 515-384-847  
 678-677-678

Length	Quantity		
	1pc	2pcs	5pcs
50 mm	£ 145.00	£ 188.00	£ 285.00
100 mm	£ 169.00	£ 245.00	£ 457.00
200 mm	£ 226.00	£ 383.00	
500 mm	£ 432.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**Metal – Silver**

**Silver**

**Ag**



**Tube**

**AG007400**

Outside Diameter..... **8.0x5.0mm**  
 Inside Diameter..... **6x3mm**  
 Condition..... **Rectangular section**

Wall Thickness..... **1mm**  
 Purity..... **99.95+%**

**Size**

**Web Code**

920-885-240  
 110-651-826  
 831-479-687

**Length**  
 100 mm  
 200 mm  
 500 mm

**Quantity**

1pc	2pcs	5pcs
£ 208.00	£ 272.00	£ 542.00
£ 260.00	£ 423.00	
£ 492.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007350**

Outside Diameter..... **10mm**  
 Inside Diameter..... **8mm**  
 Temper..... **As drawn**

Wall Thickness..... **1.0mm**  
 Purity..... **99.95+%**

**Size**

**Web Code**

802-581-593  
 779-258-199  
 407-269-757  
 908-723-329

**Length**  
 50 mm  
 100 mm  
 200 mm  
 500 mm

**Quantity**

1pc	2pcs	5pcs
£ 144.00	£ 186.00	£ 278.00
£ 167.00	£ 239.00	£ 444.00
£ 220.00	£ 372.00	
£ 419.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.

**AG007380**

Outside Diameter..... **12.7mm**  
 Inside Diameter..... **11.7mm**  
 Temper..... **As drawn**

Wall Thickness..... **0.5mm**  
 Purity..... **99.95+%**

**Size**

**Web Code**

706-318-948  
 281-292-715  
 398-829-765  
 686-234-211

**Length**  
 50 mm  
 100 mm  
 200 mm  
 500 mm

**Quantity**

1pc	2pcs	5pcs
£ 139.00	£ 180.00	£ 252.00
£ 160.00	£ 218.00	£ 390.00
£ 199.00	£ 329.00	
£ 365.00		

Typical Analysis : Cu 70, Fe 5, Na 1, Pb 1, Zn 5.



**Powder**

**AG006030**

Max. Particle size..... **2micron**

Purity..... **99.97+%**



**Web Code**

381-105-085  
 638-127-416  
 765-936-178  
 742-020-503

**Quantity**

**Weight**  
 10 g  
 25 g  
 50 g  
 100 g

**1 Pot**  
 £ 146.00  
 £ 227.00  
 £ 367.00  
 £ 647.00

Typical Analysis : Cl <20, Cu 180, Fe <20, K <1, Na 30, Pb <20.

Shipping Restriction. Additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.

**AG006023**

Max. Particle size..... **45micron**  
 Condition..... **Gas atomized**

Purity..... **99.99%**  
 Condition..... **Spherical**



**Web Code**

191-970-079  
 227-518-830  
 659-708-162  
 075-038-257

**Quantity**

**Weight**  
 10 g  
 20 g  
 50 g  
 100 g

**1 Pot**  
 £ 94.50  
 £ 121.00  
 £ 180.00  
 £ 275.00

Typical Analysis : Cu <25, Fe <10, Ni <5, Pb <10, Cl <5, sulphate <10, water <4000.

May be suitable for additive manufacturing research and development purposes.

Shipping Restriction. Additional shipment charges apply which are dependent on destination. Please check the individual item on our website or contact us for further details.



**Lump**

**AG006100**

Max. Lump size..... **3mm**  
 Condition..... **Shot**

High Purity..... **99.999%**

**Web Code**

948-528-732  
 566-096-572  
 762-074-405

**Quantity**

**Weight**  
 10 g  
 20 g  
 50 g

**1 Pot**  
 £ 203.00  
 £ 302.00  
 £ 619.00

Typical Analysis : Fe 1, Mg <1, Na <1.

**Metal – Silver**

**Silver**

**Ag**



**Lump**

**AG006105**

Max. Lump size ..... **6mm**  
 Condition..... **Pellets**

Purity..... **99.99%**

**Web Code**

564-774-698  
 051-834-129  
 630-752-366

**Quantity**

**Weight**  
 20 g  
 50 g  
 100 g

**1 Pot**

£ 152.00  
 £ 211.00  
 £ 354.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.  
 Nominally 3.5mm diameter x 6mm length pellets.

**AG006110**

Max. Lump size ..... **10mm**  
 Condition..... **Shot**

Purity..... **99.99%**

**Web Code**

414-045-084  
 755-630-738  
 453-845-096

**Quantity**

**Weight**  
 20 g  
 50 g  
 100 g

**1 Pot**

£ 152.00  
 £ 211.00  
 £ 354.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.

**AG006106**

Max. Lump size ..... **20mm**  
 Condition..... **Pellets**

Purity..... **99.99%**

**Web Code**

583-118-626  
 086-521-801

**Quantity**

**Weight**  
 50 g  
 100 g

**1 Pot**

£ 211.00  
 £ 354.00

Typical Analysis : Au 5, Bi 1, Cu 20, Fe 2, Mg 1, Pb 10.  
 Nominally 9mm diameter x 15mm length pellets.



**Sphere**

**AG006840**

Diameter ..... **0.5mm**  
 Grade ..... **Precision Sphere**

Tolerance ..... **±50µm**

**Quantity**

**Web Code**  
 349-438-788  
 487-204-836  
 684-418-457  
 546-178-899

**Spheres**  
 20 pcs  
 50 pcs  
 100 pcs  
 200 pcs

**Quantity**

**1 Pot**  
 £ 85.00  
 £ 120.00  
 £ 171.00  
 £ 265.00

Typical Analysis : Not applicable



**Single Crystal**

**AG002113**

Oriented ..... **(100)**  
 Length..... **2mm**  
 Condition..... **Unpolished**

Diameter..... **12.7mm**  
 Purity..... **99.999%**

**Web Code**

780-150-678

**Quantity**

**1pc**  
 £ POA

Typical Analysis : Not applicable

**AG002118**

Oriented ..... **(100)**  
 Length..... **5mm**

Diameter..... **12mm**  
 Purity..... **99.999%**

**Web Code**

457-297-930

**Quantity**

**1pc**  
 £ POA

Typical Analysis : Not applicable

**AG002111**

Oriented ..... **(100)**  
 Diameter..... **10mm**  
 Condition..... **Polished on 1 side to 1 micron**

Thickness..... **2mm**  
 Purity..... **99.999%**

**Web Code**

614-209-918

**Quantity**

**1pc**  
 £ POA

Typical Analysis : Not applicable

**Metal – Silver**

**Silver**

**Ag**



**Single Crystal**

<b>AG002110</b>	Oriented ..... (100) Diameter ..... 10mm Condition ..... Unpolished	Thickness ..... 2mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 359-711-391			
	Typical Analysis : Not applicable			
<b>AG002119</b>	Oriented ..... (100) Length ..... 10mm	Diameter ..... 12mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 054-033-497			
	Typical Analysis : Not applicable			
<b>AG002114</b>	Oriented ..... (100) Diameter ..... 12.7mm Condition ..... Unpolished	Thickness ..... 3mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 038-997-731			
	Typical Analysis : Not applicable Although this crystal is normally held in stock ready for immediate shipment it is an example of crystals which may be grown to order with a delivery forecast of 4-10 weeks.			
<b>AG002120</b>	Oriented ..... (100) Length ..... 25mm	Diameter ..... 12mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 706-972-566			
	Typical Analysis : Not applicable			
<b>AG002121</b>	Oriented ..... (100) Length ..... 50mm	Diameter ..... 12mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 731-481-481			
	Typical Analysis : Not applicable			
<b>AG002151</b>	Oriented ..... (110) Diameter ..... 10mm Condition ..... Polished on 1 side to 1 micron	Thickness ..... 2mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 533-530-878			
	Typical Analysis : Not applicable			
<b>AG002150</b>	Oriented ..... (110) Diameter ..... 10mm Condition ..... Unpolished	Thickness ..... 2mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 824-162-695			
	Typical Analysis : Not applicable			
<b>AG002131</b>	Oriented ..... (111) Diameter ..... 10mm Condition ..... Polished on 1 side to 1 micron	Thickness ..... 2mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 778-195-855			
	Typical Analysis : Not applicable			
<b>AG002130</b>	Oriented ..... (111) Diameter ..... 10mm Condition ..... Unpolished	Thickness ..... 2mm Purity ..... 99.999%	<b>Quantity</b>	<b>1pc</b> £ POA
	<b>Web Code</b> 846-980-729			
	Typical Analysis : Not applicable			

**Metal – Silver**

**Silver**

**Ag**



**Single Crystal**

**AG002160**

Oriented ..... **(111)**  
 Length ..... **25mm**

Diameter ..... **10mm**  
 Purity ..... **99.999%**

**Quantity**

**Web Code**  
 851-173-059

**1pc**  
 £ POA

Typical Analysis : Not applicable  
 Although this crystal is normally held in stock ready for immediate shipment it is an example of crystals which may be grown to order with a delivery forecast of 4-10 weeks.

**AG002141**

Oriented ..... **(220)**  
 Diameter ..... **10mm**  
 Condition ..... **Polished on 1 side to 1 micron**

Thickness ..... **2mm**  
 Purity ..... **99.999%**

**Quantity**

**Web Code**  
 065-947-901

**1pc**  
 £ POA

Typical Analysis : Not applicable

**AG002140**

Oriented ..... **(220)**  
 Diameter ..... **10mm**  
 Condition ..... **Unpolished**

Thickness ..... **2mm**  
 Purity ..... **99.999%**

**Quantity**

**Web Code**  
 403-933-579

**1pc**  
 £ POA

Typical Analysis : Not applicable

**Metal – Silver**

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