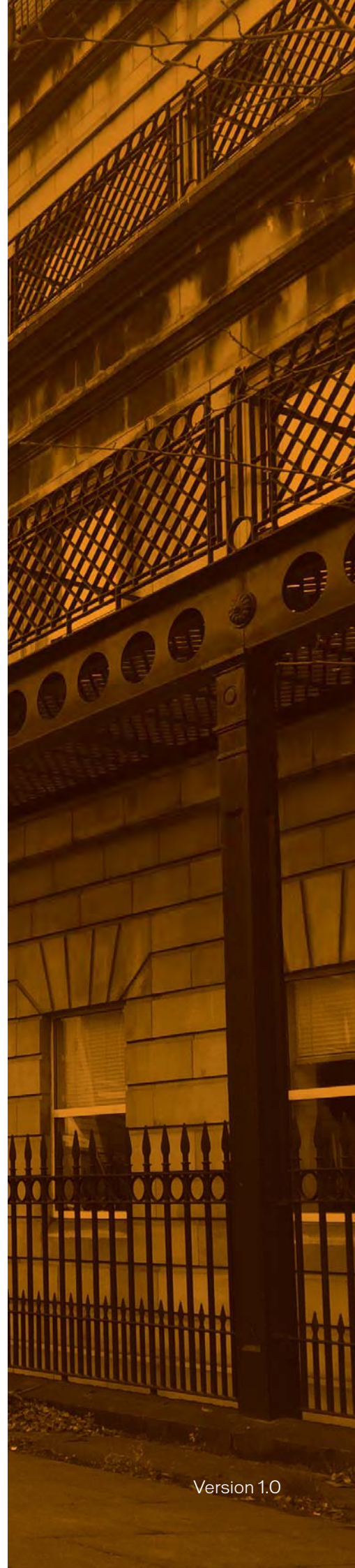


Heritage Architectural Castings

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Why Choose Ballantine Castings?

Tradition, Heritage, Craft

Our traditional greensand moulders hand make all of our architectural products from antique patterns with no machinery in the process, no automation and little more than a row of greensand, a shovel, a trowel and 7 generations of experience. All of our trade skills have been handed down from generation to generation since we were established during the industrial revolution in the 1820s. We are extremely proud to supply authentic, handmade, heritage design castings to clients around the world bringing history straight to your front door.

Made in Britain

Every single item is hand-made and produced in the UK. We are not just a website. We are not importers. We do not provide cheap, mild steel alternatives to cast iron. We are a fully operational, family run foundry, producing the highest quality architectural cast iron items and have been doing so for nearly 200 years.



Our Range

Our range has been developed and added to for 196 years over 7 generations of the Ballantine family. We have over 100,000 different patterns at our disposal; from fantastically ornate, luxury, Victorian designs to exciting modern concepts. We have a pattern for almost any conceivable situation no matter how small or large the job. Although we believe our range to be the biggest in the UK (if not the world) we are constantly adding to it through new designs made in our own, traditional pattern shop. We can also expertly replicate unique castings from an original sample which allows us to provide an exact match for any of your casting requirements.

Sustainability and The Environment

All of the castings across our range are made from 100% recyclable materials - we turn old, scrap castings into new items. We buy unwanted railings, old machinery parts, general scrap iron and turn this into the castings you see in this catalogue. As iron is wholly recyclable the process of making castings is completely sustainable and will continue long into the next century. Indeed cast iron is a Greenpeace recommended material. We really don't believe there can be a greater commendation for the environmental properties of cast iron than this.

Durability

Cast iron is naturally durable for up to 100 years - it is one of the most durable metallurgical products known to man - and unlike plastics - it does not pollute our atmosphere, our seas or our planet. Many of the railings you see in our city centres will be over 100 years old and still holding pride of place today.

Aesthetics

In our opinion iron has an aesthetic charm that cannot be matched by other materials in any application. Unlike steels or plastics, cast iron can form any shape required, offering an almost endless array of design possibilities. Take a walk through any British city and it is often the heritage railings, balconies and gates that catch the eye.



Our skilled craftsmen can produce the highest quality, enduring, hand-made products to bring the designs of old back to life and showcase the endless architectural possibilities that cast iron offers.

Experience and Expertise

It is an old saying within our foundry, 'that in any British city you're never more than 100 metres away from a casting produced by Ballantines.' And we believe this claim may not be too far from the truth. We have continually produced architectural castings since the 1820s and we still have the same pride and passion in our work as we did all those years ago. Over this time we have amassed a wealth of experience in all things cast iron related and pride ourselves on being experts in all areas of Victorian Engineering. Our multi-tiered, multi-skilled workforce covers every aspect of metalwork which means that our expertise is not just centred on cast iron but also includes wrought iron, aluminium and steel, restoration techniques, cleaning techniques, site assembly, paint specifications and the use of cast iron in modern construction, landscape planning and architecture.

Quality

We are committed to providing the highest quality, premium, artisan cast iron products available on the market today all manufactured in the UK. Every order is dealt with the same importance from one to a thousand castings. Our technical sales team are always available to assist with any query you may have. Our service to every customer is underpinned by our quality accreditations and we are proud to be British Standard ISO:9001 accredited, RISQS Accredited, members of the Scottish Business Pledge and members of the Made in Britain Campaign.



Site Works

Although we do take on large scale site work we mainly operate on a supply only basis. Over the years we have built up associations with strategically sited metal fabrication firms, spiral stair specialists, blacksmiths and forges throughout the country, so in the event that site work is required, we can happily recommend a cost effective solution to any customer throughout the UK and abroad.

Versatility

No project is too small or too large. We can supply from one offs to thousands depending on requirement. Every single order, no matter what size, is dealt with in the same professional manner offering all of our customers unrivalled service and the highest quality, traditional castings. Our passion lies in faithfully supplying the traditional cast iron designs of old no matter the size of the requirement.





Metallurgy Guide

Below is a range of our standard metals, metallurgy and materials used for architectural castings. The purpose of this guide is to give all of our clients the best possible metallurgical options when choosing which metal to use.

Grey Iron

Grey iron is one of the most versatile and most commonly used of all irons worldwide. Grey iron offers excellent flexibility meaning it can be used for a vast range of different designs and applications. British, North America and European cities are full of examples of ironwork, often over 200 years old, still in excellent condition today; 99% of which would have been made in Grey Iron.

- Max Weight: 3,000kg
- Min Weight: 0.1kg
- Architectural Grades used: GR200 and GR250 (others available on demand)

Perfect for – all architectural castings!

Spheroidal Graphite (Ductile) Iron

Ductile iron is a more modern material (also known as nodular cast iron, spheroidal graphite iron and SG iron). It is a type of cast iron developed to mirror the qualities of mild steel. Ductile iron has much more impact and fatigue

resistance compared to grey iron, due to its nodular graphite formation, which makes it perfect for anti-vandal designs, and thinner section castings without loss of performance.

- Weight: 3,000kg
- Min Weights: 0.1kg
- Grades available: 420/12, 500/7, 400/18 (others available on demand)

Perfect for – thinner section ornamental designs, street furniture, lighting columns in urban areas and anywhere where castings may be subjected to vandalism.

Aluminium

We offer a range of aluminium grades in sand castings for architectural applications. Aluminium offers a far lighter alternative to cast iron (around 64%) meaning that it is far easier to handle.

- Max Weight: 1,000kg
- Min Weight: 0.2kg
- Grades available: LM21, LM25, LM27 BS1490

Perfect for - lighter architectural castings especially where weight loading is important.



Albert Bridge Restoration completed by Ballantine Castings



General Architectural Purchasing Guide

We have designed a general purchasing guide below to help assist you in your architectural and ornamental cast iron purchases. In order to make ordering any of these products as simple as possible we have drawn up individual purchasing guides for each catalogue item.

- Pricing is carried out on an individual basis. Please call us, or email the office, with any enquiry and one of our technical sales team and they will be happy to assist.
- Although we are predominately an iron foundry all castings can be produced in a range of materials to suit any requirement. We can produce most of our range in cast iron, ductile iron and aluminium.
- Casting weights depend on the metal chosen. Aluminium castings are approximately 64% lighter than castings made in iron.
- All sizes and weights shown in the catalogue are approximate.
- We do not carry stock of any of the items in our catalogue. Each casting is skilfully manufactured to order.
- Our catalogue is downloadable in full or, alternatively, customers can download individual sections as required.
- We would recommend that castings are supplied with a coat of micaceous iron oxide primer to ensure that oxidation does not occur prior to delivery. Final painting can be carried out on request.
- We have no minimum order requirements - we are happy to produce from 1 to 1000.
- We can manufacture new designs not in the catalogue from old samples, drawings or even just an idea. Our traditional pattern makers have over 150 years of experience in providing the best designs for any application.
- All castings made from samples will contract 1% dimensionally. Alternatively we can carry out a pattern alteration with the required contraction allowance.
- Alterations can be made to most products on request. This is detailed more specifically in each section of the catalogue.
- Castings are provided on a supply only basis. We can happily recommend a local fabricator for any type of job.
- We have a continual delivery service covering the whole of the UK and Ireland. Customers are also welcome to uplift castings from our works. All export orders are dealt with on an individual basis.
- Delivery rates depend on location and quantities. These are calculated individually for each order.
- Delivery times are variable depending on the items ordered and the quantities required. However, we pride ourselves on offering excellent turnaround times, and keep customers updated throughout the process.
- We ask all customers to please bear in mind the relevant Building Regulations Compliance when ordering any product.
- All sales are governed by our Standard Conditions of Sale which can be found on our website.

If you have any queries on any of the products in the range please give our technical sales team a call and we will be happy to assist you.

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Ramshorn Theatre bespoke ductile iron railing panels and gates by Ballantine Castings