

discover the difference



SIGMA - your fitting choice



You deserve more than just an average pipe fitting...

We know that when it comes to pipe and fittings our customers have a choice.

Sigma Commercial Products (part of the SAL Group of Companies) has over 20 years technical expertise in the waterworks industry. We are now the supplier of choice for major players around the world.

What sets us apart is '**The Sigma Difference**'; three factors that we believe make us unique:

RANGE we have developed our range to suit the needs of the waterworks industry. We carry in stock a wide variety of ductile iron pipe fittings, plus flange adaptors, couplings, dismantling joints and hydrants. We also supply valves, repair clamps, saddles and fabricated flanged pipework to order.

QUALITY we produce high quality castings made to industry standards.

SERVICE we focus on giving our customers the **best** service, from initial enquiry through order fulfilment and beyond, and hold well over a thousand tonnes of stock at any one time.

We supply into the UK, Ireland, Europe and the Middle East, with distribution relationships in key markets. Our global reach embraces a rich diversity of projects from utility replacement & refurbishment in Europe through to major civil engineering works and urban infrastructure developments in The Middle East.

We pride ourselves on delivering premium quality products at competitive prices. Our manufacturing and distribution facilities are all accredited to BS EN ISO 9001 with SIGMA being one of the first UK businesses to be certified to the newly-revised 2008 version.

the sigma difference...Quality

Our pipe fittings aren't average; they're as good as it gets

We only supply products of the highest quality. With projects where quality is paramount, you can rely on SIGMA not just to do the job, but to really make a difference.

The quality of the products that bear our name is fundamental to our business and key to our success. Each of our products has been through a comprehensive development and testing process before it is brought to market. Every stage of the production process - casting, machining, testing, coating, assembly and inspection - is subject to rigorous quality control checks.

All products are PED (Pressure Equipment Directive) compliant where applicable, and certified as requested. Our fittings products comply fully with BS EN 545:2006 and BS EN 598:2007.

All non-metallic components coming into contact with potable water are WRAS approved to BS 6920:2000 and in addition, our cast and ductile iron valve products comply with all appropriate BS EN requirements and are flanged to BS EN 1092-2 - PN16.



ISO 9001
FS 532338

the sigma difference...Range



At SIGMA we specialise in the provision of a wide range of products including Ductile Iron Pipe and Fittings, Flange Adaptors, Couplings, Dismantling Joints, Stainless Steel Saddles and Fire Hydrants, both Type 1 and Type 2.

We are constantly reviewing our range to respond to market demands and innovating new product solutions to improve product efficiency.

Ductile Iron Flanged Fittings

high strength & high pressure

APPLICATIONS

Treatment plants, pumping stations and rising mains.

FEATURES

Rigid and self-anchoring flanged joints do not permit deflection; therefore no external anchorage is required when changes in direction or end blanking occur. Where a little flexibility to a flanged pipeline is required it is common practice to use flange adaptors in the line.

The flanged joint offers a high strength and high pressure capability making a ductile iron pressure pipeline an ideal cost effective material when used for the movement of sewage and water in above ground situations.

The range complies fully to BS EN 545:2006 for potable water and BS EN 598:2007 for sewage and wastewater applications.

Ductile Iron Socketed Fittings

handles deflection without losing performance

APPLICATIONS

Below-ground pipelines such as distribution mains and sewage line applications.

FEATURES

Quick and easy to install, the socket spigot joint is capable of angular deflection and longitudinal withdrawal without loss of performance. Other advantages are high strength for assured security, and the ability to operate at 60-bar pressure (subject to nominal bore).

All pressure pipelines with this type of joint may require restraint, particularly where a change of direction or the blanking off of an end occurs; in these instances the use of a concrete thrust block is common practice.

All socketed fittings are supplied with appropriate sealing gaskets and comply fully with BS EN 545:2006 for potable water and BS EN 598:2007 for sewage and wastewater applications.

the sigma difference...Service



**Ductile Iron Fittings
to Suit Metric PVC Pipe**

quick and easy to install

APPLICATIONS

Available in sizes to suit 63-315mm o/d PVC pipe.

FEATURES

Quick and easy to install without requiring jointing force. The fittings come ready to install with an EPDM gasket already fitted in each socket.

This range of fittings is particularly competitive when compared to manufactured PVC options.

The standard corrosion protection system is WRAS approved blue fusion bonded epoxy to 250 microns and the range fully complies with DIN 16 450 and DIN EN 12842.

**Ductile Iron Mechanical Joint Fittings
*offers angular deflection***

APPLICATIONS

Where future dismantling of the pipe system is a design requirement.

Available in sizes 80-400mm.

FEATURES

The system allows for assembly without requiring jointing force to be applied and offers angular deflection. The standard corrosion protection system is blue WRAS approved fusion bonded epoxy to 250 microns.

**Ductile Iron Rotating Flange Fittings
*100% hydrostatically tested***

APPLICATIONS

In addition to our range of fixed flange fittings SIGMA offers fittings with adjustable rotating flanges. Available in sizes 80-300mm

NB. The working pressure of the rotating flange fitting is the same as the standard fixed flange option, but with additional advantages.

FEATURES

Ease of assembly.

Flexibility to orientate the pipeline on site.

Adjustment without the need of restrained flange adaptors.

100% hydrostatically factory tested.

Interchangeable flange drillings.

The standard corrosion protection system is blue WRAS approved fusion bonded epoxy to 250 microns.

The range complies fully to the dimensional and pressure test requirements of EN 545 : 2006.

Flange Adaptors and Couplings

flexible and robust

Flange Adaptors - FEATURES

Used to join a plain-ended pipe to a flanged pipe, fitting or valve giving an effective leak-proof seal. Can accommodate a considerable amount of deflection without loss of performance. Harnessed flange adaptors used in conjunction with a flange spigot (complete with a tie flange) are an excellent method for providing a dismantling joint in a flanged pipeline. This is achieved by replacing a number of the bolts with tie studs. Hydro flange adaptors allow passage of the studs over the end ring as standard, and do not require notching.

Couplings - FEATURES

Used to join plain-ended pipes of the same material together; some wide tolerance couplings can join different pipe materials. Couplings offer a considerable amount of deflection, which makes them the ideal choice for underground applications.

SIGMA Stainless Steel Saddles

wide radial tolerance

APPLICATIONS

Our Stainless Steel saddles are the ideal way to take a service connection from an existing or new water distribution main and are suitable for use on any type of pipeline material.

FEATURES

The saddle, straps and bolts are manufactured entirely of grade 304 stainless steel. All internal surfaces are bonded with WRAS BS 6920 approved Nitrile rubber suitable for all potable water applications.

The rubber lining means that none of the stainless steel is in direct contact with the pipe ensuring a firm non-slip grip on the mounting pipeline, as well as a perfect watertight seal around the outlet at up to 16 bar pressure.

Saddles are available with one or two straps depending on the size of the outlet required, or the diameter of the mounting pipe. Single Strap for pipe sizes 50-600mm. The finger bracket saddle incorporates a female threaded sleeve to accommodate the securing bolt, which means that only a single access point is required when fixing the saddle into position on the pipe. The stainless steel runs on a Delrin washer and the thread is coated in blue Teflon to prevent seizure.

Double Strap for pipe sizes 600-1000mm. On the double strap option the finger bracket saddle has a stainless steel threaded rod welded to it, again the thread is blue Teflon coated. To fit the saddle the threaded rod is passed through the mating hole on the strap and secured with a stainless steel nut and Delrin washer. Sizes: The range is available in sizes to suit pipelines with a 50-1000mm NB. with outlets from 1/4-2 1/2 inch BSP. Each saddle will accommodate many different types of pipeline material, having a wide radial tolerance of approximately 20mm depending on the diameter of the pipe.

Ductile Iron Pipe

can handle all potable water and wastewater applications

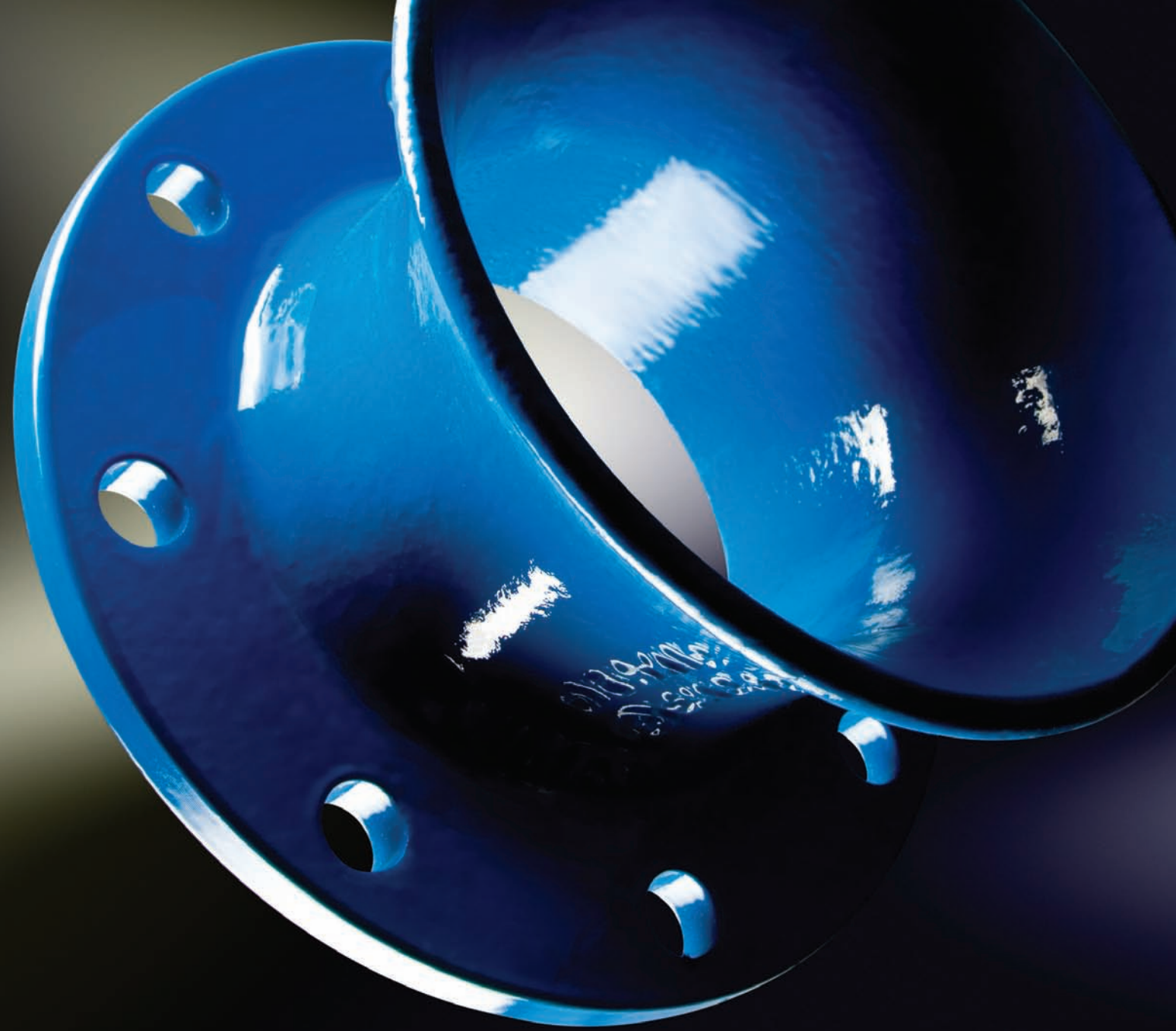
APPLICATIONS

The advantage of Ductile Iron is that unlike other pipeline materials that have limitations, this is the only one that can be used in virtually all water and wastewater applications; it has a longer proven track record than any other pipeline material used in the industry today.

FEATURES

For above and below ground Ductile Iron requires no special installation, jointing equipment or preparation. Used worldwide and in all climatic and environmental conditions Ductile Iron is the pipeline material of choice - it is strong, durable and environmentally friendly giving a long and trouble-free working life.

For full technical specifications please visit our website





discover the sigma difference

We're committed to providing the BEST customer service possible

At SIGMA we're passionate about our business and we have teams of people across all disciplines committed to making sure we put the customer first.

Our commitment to customer focus is present in every part of the organisation throughout the entire production life-cycle. Our global operations are supported by dedicated support staff, committed to ensuring orders are fulfilled efficiently and that every stage of the process is managed correctly. Through regular communication with our customers, we gather valuable insight into their business needs to further strengthen our business relationships. Our internal systems ensure we can update you at any given time on order status, inventory availability, logistics and delivery.

In short, we are committed to giving you the best, most reliable and complete overseas sourcing and supply service.



TECHNICAL OFFICE
SIGMA COMMERCIAL PRODUCTS
16a Fir Tree Lane
Groby Trading Estate
Groby
Leicester LE6 0FH
Tel: +44 (0)1162 871623
Fax: +44 (0)1162 878396
sbartram@scp.uk.com

**HEADQUARTERS
& SALES OFFICE**
SIGMA
COMMERCIAL
PRODUCTS
Sigma House
35 Progress Road
Leigh-on-Sea
Essex SS9 5PR
Tel: +44 (0)1702 522000
Fax: +44 (0)1702 522512
sales@scp.uk.com

US OFFICE
SIGMA
CORPORATION
PO Box 300
700 Goldman Drive
Cream Ridge
NJ 08514 USA
Tel: +1 609 7580800
Fax: +1 609 7580642
www.sigmaco.com