

SDG

—
STRONGER
TOGETHER
—

Product Catalogue

ESSENTIAL COMPONENTS FOR EVERY STAGE OF CONSTRUCTION

Welcome to SDG.

Your essential
construction partner.

Stronger, together.

We work with manufacturers, contractors, engineers and designers, supplying essential components that improve safety, enhance quality and drive efficiency at every stage of construction.

At SDG we are trusted suppliers, and experts in construction solutions. We are planners, collaborators and designers; fixers, thinkers and expert problem solvers. We're an end-to-end construction project partner, bespoke and best in class. By working closely with our customers; by adding value at every stage; by doing everything they expect and so much more, we share their success and become stronger, together.



TECHNICAL INNOVATION



PRECAST ACCESSORIES



CONSTRUCTION ACCESSORIES



WATERPROOFING



ACOUSTICS

Technical Innovation

Contact our sales team:
wearesdg.com
+44 (0) 28 3752 8999

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TECHNICAL INNOVATION

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Our partners are experts in their field, that together with our combined knowledge we can assist you with the design, planning, sourcing and delivery of the most effective solutions for your construction project. We are not just a supplier but a partner that will ease the burden of pressure when selecting, implementing and installing specialist products right through to post install support.

We work with engineers from design phase to onsite support. SDG are the link pin to ensure the correct product is selected for the specific application.

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recostal® Standard Type RSH Starter Packs

recostal® Starter Packs type RSH meet the requirements of DIN EN 1992-1-1 for the highest surface category “key profiled” in the case of transverse loads.

The deciding factor for the designer

recostal® Starter Packs type RSH meet the requirements of the DBV Bulletin “Rückbiegen von Betonstahl und Anforderungen an Verwahrkästen nach Eurocode 2” [“Rebending of reinforcement steel and requirements for continuity strips according to Eurocode 2”] (issue January 2011) for the highest joint category “key profiled” in the case of transverse stresses. No national approval required!

Technical data – RSH Starter Packs

- Trapezoidally profiled starter packs, joint category “key profiled” according to DIN EN 1992-1-1, highest shear force bearing capacity
- Concrete reinforcement steel according to BS EN ISO 17660 and BS8548

- 6 standard profiles, bar widths 12 cm – 22 cm, smaller or larger bar widths on request
- Standard unit length L= 1.25 m, fixed lengths up to 2.50 m on request

Application

recostal® Starter Packs ensure time-saving installation of secure connections between steel reinforced concrete construction parts that are created with different pour sequences. Therefore, floor slabs, walls or staircases can be installed subsequently with rigid connections corresponding to the highest joint category “key profiled”.

The large variety of shapes offers the perfect connection for many different design situations; special types for specific solutions are also available. The standard range includes starter packs with 12mm and 16mm diameter and L=1.25m unit lengths. Unit lengths exceeding 1.25m, the production of special types and the combination with waterproofing systems as well as solutions for entire projects are possible on request.

Advantages:

- Strong, robust galvanised sheet metal starter packs, dimensionally stable
- Cost and time effective installation, starter packs are simply nailed to the formwork
- Easy removal of the sheet metal covers due to their special design
- Trapezoidally profiled box for excellent bond
- Various possible combinations provide a solution for all common installation details

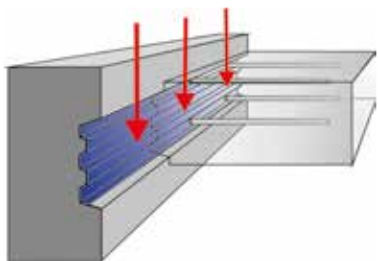


Increased corrosion protection

Type RSH is installed with a planned 25 mm recess

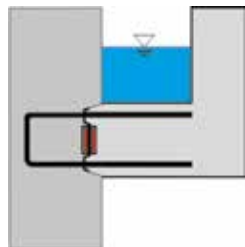


Key Profile

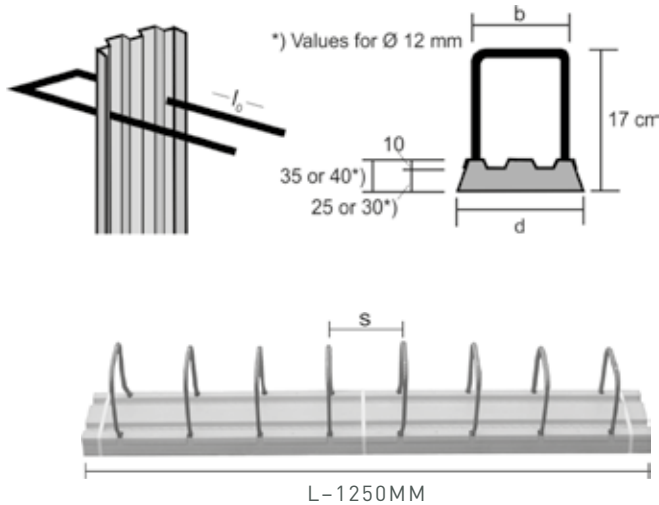


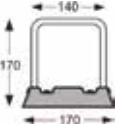
RSH active - Starter Pack with active waterproofing

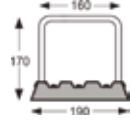
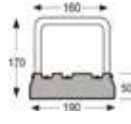
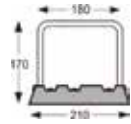
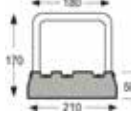
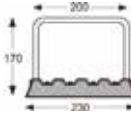
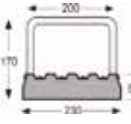
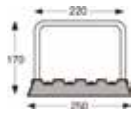
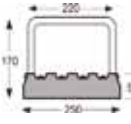
RSH Starter Packs can be manufactured with an active bentonite coating on both sides for the application in construction joints exposed to water.



recostal® Standard Type RSH Starter Packs



DIMENSIONS	PRODUCT CODE	TYPE	BAR Ø (MM)	CENTRES	LAP LENGTH (MM) L	WIDTH OF STIRRUP (MM) B	WIDTH OF CASING (MM) D
	EUR008	RSH 100	12	150	500	100	120
	EUR009		12	200	500	100	
	EUR010	RSH 120	12	150	500	120	140
	EUR011		12	200	500	120	140
	EUR012	RSH 140	12	150	500	140	170
	EUR013		12	200	500	140	170

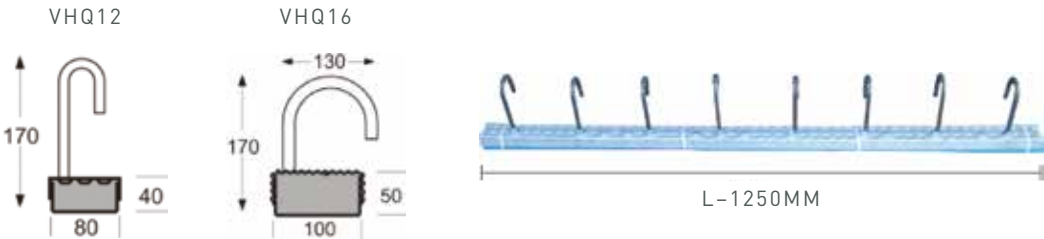
DIMENSIONS	PRODUCT CODE	TYPE	BAR Ø (MM)	CENTRES	LAP LENGTH (MM) L	WIDTH OF STIRRUP (MM) B	WIDTH OF CASING (MM) D
	EUR014	RSH 160	12	150	500	160	190
	EUR015		12	200	500	160	190
	EUR040		16	150	650	160	190
	EUR041		16	200	650	160	190
	EUR016	RSH 180	12	150	500	180	210
	EUR017		12	200	500	180	210
	EUR042		16	150	650	180	210
	EUR043		16	200	650	180	210
	EUR018	RSH 200	12	150	500	200	230
	EUR019		12	200	500	200	230
	EUR044		16	150	650	200	230
	EUR045		16	200	650	200	230
	EUR020	RSH 220	12	150	500	220	250
	EUR021		12	200	500	220	250
	EUR046		16	150	650	220	250
	EUR047		16	200	650	220	250

recostal® Standard Type VHQ Starter Packs



STANDARD	PRODUCT CODE	Ø (MM)/ S (CM)	LAP LENGTH L (CM)	CENTRES S (CM)
	EUR001	- 12/15	50	15
	EUR002	- 12/20	50	20
	EUR003	- 16/15	65	15
	EUR004	- 16/20	65	20

Graph for the determination of the production-related required box widths and max. producible l0-lengths



SPECIAL SHAPE CODES AVAILABLE.
CONTACT OUR TECHNICAL DEPARTMENT FOR MORE INFORMATION.

SHQ

SB

SKB

SWQ

2SH

SKG

SG

SRG

SKR

SR



SDG are the agent of GUMBA Bridge Bearings in UK and Ireland.

Along with SDG Technical Team and GUMBA engineers, we support our customers, as well as design engineers, authorities and construction companies in both the theoretical and practical selection of the correct bridge bearing. We provide a service beyond that of the design and manufacturing of elastomeric bearings and can support onsite during install.



Reinforced Elastomeric Bearings

Acc EN1337 – 3

Reinforced elastomeric bearings are made of a special rubber blend and are equipped with reinforcement steel sheets during the manufacturing process, the so-called vulcanisation. The steel sheets provide the necessary stiffness. Reinforced elastomeric bearings stand out through their low maintenance and durability. Besides that, some types can be used under certain conditions without any additional steel structure (restraining). The elastomeric part of the bearing is elastically deformable.

The deformation rate in vertical direction (deflection) under permanent load is calculable and stays constant. The influences of live loads are generally small, and the additional temporary deflections caused by live loads are of a minor degree and will cause no problems for most structures.

Reinforced Elastomeric Bearing Types

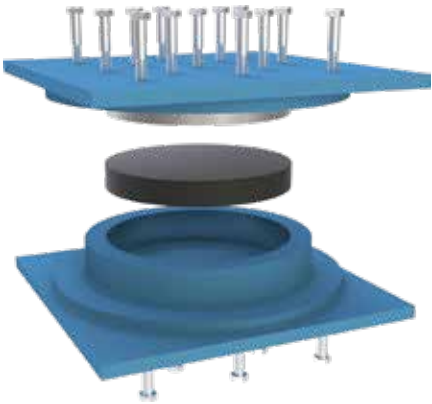


Pot Bearings

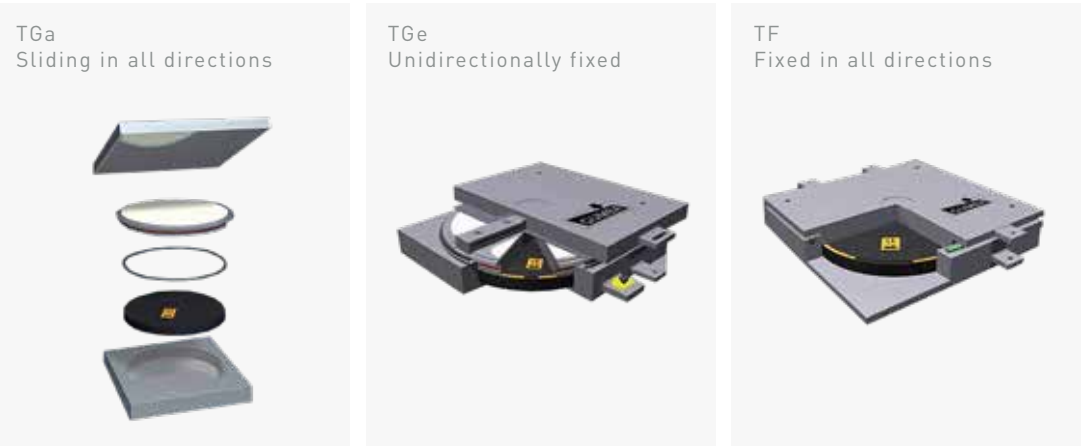
Acc EN1337 – 5

Pot bearings have been used for many years and are a well proven bearing type. Through the combination of a non-reinforced elastomeric bearing (natural rubber) in a steel housing, which is closed on all sides (pot), it is possible to transmit high vertical loads on a relatively small area. The dimensions of the pot bearing depend on the permissible elastomer pressure as well as especially on the permissible concrete pressure.

Pot bearings are designed and manufactured according to EN 1337-5 and are labelled with the relevant CE marking.



Pot Bearing Types



Spherical Bearings

Acc EN1337 – 7

Spherical bearings are made of a steel, hard chrome plated spherical segment, the so-called calotte (convex), a corresponding, with PTFE equipped calotte receiver (concave) and a sliding unit on the plane side of the calotte, consisting of embedded PTFE and austenitic steel grade 1.4404. This design is capable to take horizontal displacements as well as rotation through two independent sliding motions. This fulfils the requirement, that the support of a structure should result in limited restrains particularly well. With additional guides or a stop ring it is furthermore possible to transfer horizontal loads.

Spherical Bearing Types

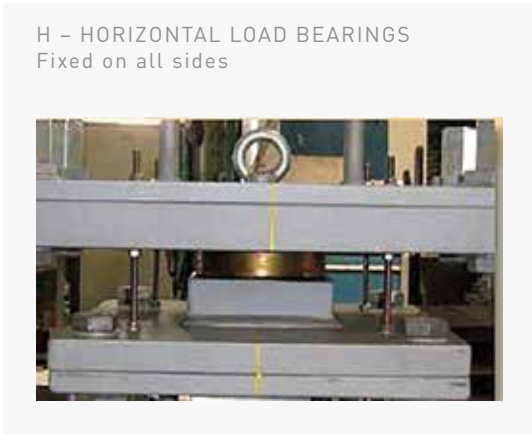


Guided Bearings & Horizontal Load Bearings

Acc EN1337 – 8

Combined vertical loads and horizontal forces can be transmitted with restraining structures. When horizontal forces are high, it is often more economically efficient to direct the horizontal forces into the substructure by means of horizontal-load bearings and guide bearings. Horizontal-load bearings transmit longitudinal and/or transverse forces. Guide bearings permit both the bearing of horizontal loads in one axis and horizontal movement in the other axis. In addition, vertical movements can also be optionally absorbed by both bearings to meet specific structural requirements. One substantial advantage is that horizontal-load bearings absorb the horizontal forces even under changing load conditions, thus dispensing with additional structural measures (position stabilization with wedges etc.). Horizontal-load bearings and guide bearings are manufactured according to EN 1337-8.

Guided Bearing Types



STRUCTURAL & SLIDING BEARINGS



Optimum construction work quality guaranteed.

SDG together with Calenberg Ingenieure are dedicated to the refinement of building construction with the production of structural and sliding bearings.

Permanent loads, such as a structure’s dead load, variable influences, such as wind, and constraining forces due to factors such as temperature changes, creep, component tolerances or settling cause deformations in structural components.

The aforementioned influences inflict damage to structures if no suitable elastomeric bearings are used. Besides cracks and spalling, they can also cause major permanent damage to adjacent components, which will then need to be repaired at considerable expense in terms of time and cost.

The elastic effect of the structural bearings transfers forces centrally in structural connections while also compensating for deviations in plane parallelism. Elastomeric bearings systematically absorb shear deformations from non-permanent horizontal impacts.

Advantages for our customers:

The bearings’ extremely high load capacities allow cost-effective, filigree structural designs to be built. Elastomeric bearings do not require maintenance and do not need to be replaced if correctly dimensioned and installed. The designers also ensure there is extra capacity in the material to absorb unforeseen loads. The service life of construction bearings is equal to the service life of adjacent components as a minimum.

Our elastomeric bearings increase the value of the building by avoiding structural damage and eliminating renovation and maintenance costs. Static elastomeric bearings permanently transmit forces, twists and displacements into adjacent components without causing damage. Besides construction and industry, Calenberg also focus on railway systems and environmental applications.



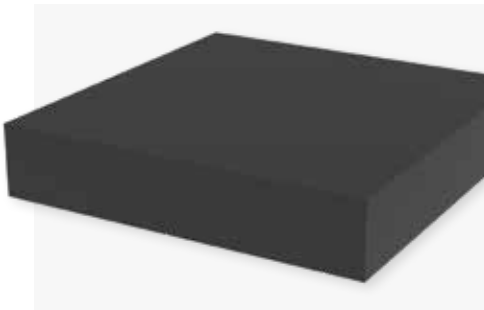
GOBBINS COSTAL PATH, CO ANTRIM

NON REINFORCED ELASTOMERIC BEARINGS

Compact Bearing S 65

The Compact Bearing S 65 is a deformation bearing and is used in all areas of construction as permanently elastic articulating connection element. The unreinforced elastomeric bearing has a load capacity of up to 14 N/mm² depending on shape and is available in various thicknesses. The main component is an ageing resistant EPDM elastomer material with a hardness of 65 ± 5 Shore A. The material is weather and ozone resistant. The material is quality controlled.

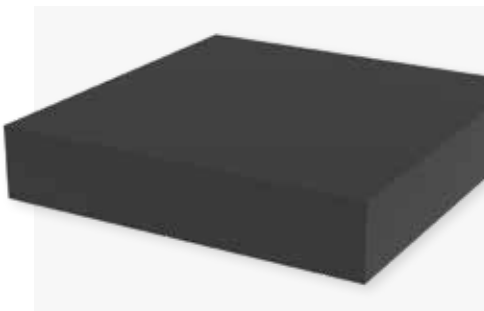
Approval no. Z-16.32-474, issued by DIBt Berlin



Compact Bearing S 70

The Compact Bearing S 70 is a deformation bearing and is used in all areas of construction as permanently elastic articulating connection element. The unreinforced elastomeric bearing has a load capacity of up to 21 N/mm² depending on shape and is available in various thicknesses. The main component is an ageing resistant EPDM elastomer material with a hardness of 70 ± 5 Shore A. The material is weather and ozone resistant. The material is quality controlled.

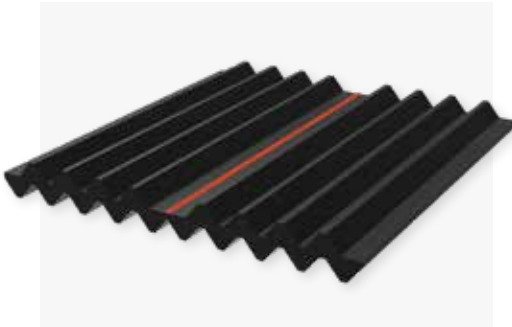
Approval no. Z-16.32-477, issued by DIBt Berlin



bi-Trapez Bearing®

The bi-Trapez Bearing® provides highly effective insulation against impact sound and vibrations and is permanently elastic in case of component rotation. This bearing is primarily used for structural members of all types and for impact sound mitigation in stair and landing components. It is a non-reinforced elastomeric bearing with trapezoidal profiling on both sides and a shape dependent load capacity of up to 17.4 N/mm². The main component is an ageing resistant EPDM elastomer material with a hardness of 65 ± 5 Shore A. The material is weather and ozone resistant. The material is quality controlled.

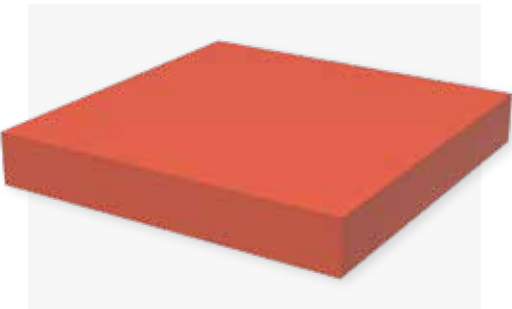
Approval no. Z-16.32-455, issued by DIBt Berlin.



THERMAL SEPARATION

Compact Core Bearing

The unreinforced heavy-duty bearing for thermal separation of steel structures is shape dependent loadable up to 30 N/mm². The bearing can be provided in different thicknesses. Compact Core Bearings are made of NBR. They are used in all fields of metal construction to provide thermal separation, such as in the installation of building facades, solar energy equipment on roofs or the connection of balconies and canopies to the main loadbearing structure.

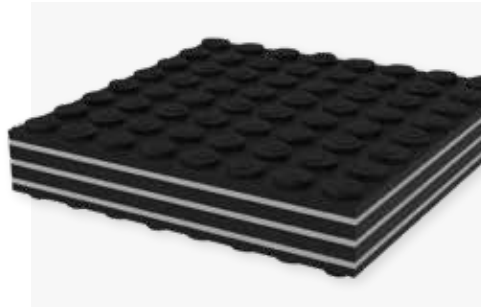


REINFORCED ELASTOMERIC BEARINGS

Sandwich Bearing Q

The Sandwich Bearing Q is used in all areas of construction as permanently elastic articulating connection element. It is also used for highly loaded components in the bearing area. The steel-reinforced deformation bearing can be loaded up to max. 28 N/mm², regardless of shape. The bearing is available in various thicknesses. The main component is an ageing resistant CR material with a hardness of 70 ± 5 Shore A. The material is weather and ozone resistant. The material is quality controlled.

Approval no. Z-16.33-480, issued by DIBt Berlin

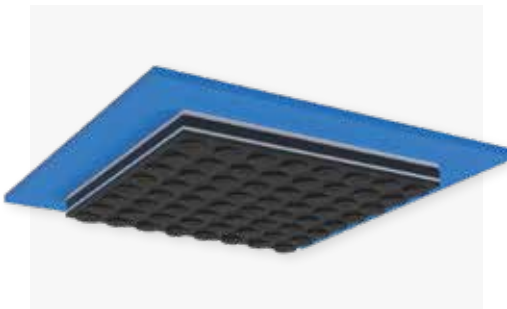


SLIDING BEARINGS

Ciparall® Sliding Bearing

The reinforced point sliding bearing is loadable up to a compressive stress of 15 N/mm². Ciparall® Sliding Bearings combine sliding and deformation properties of the bearing where the sliding action is independent from the deformation. Depending on the requirements, bearings of different thicknesses can be selected.

The approval is applied.



Civalit® Sliding Bearing

Civalit® sliding bearings are used in standard sizes as single pad bearing or as strip supported bearing. The number of modules determines the size of the bearing. The bearing has transverse tensile reinforcement and consists of an elastomer based on chloroprene with a vulcanized PTFE sliding layer and a sliding plate made of grp. These two components guarantee a dimensionally stable sliding surface. The total thickness of the bearing is 11 mm. Average bearing capacity up to 15 N/mm².

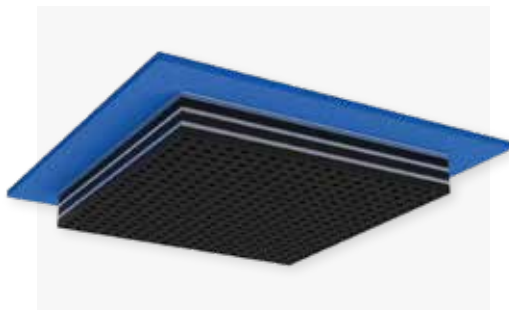
The approval is applied.



Perforated Sliding Bearing Type Z

The steel-reinforced elastomeric bearing is loadable up to a compressive stress of 25 N/mm². The bearing can be provided in different thicknesses and is able to take up even large horizontal displacements by sliding on each other and angles of distortion. Restoring forces are minimized.

The approval is applied.



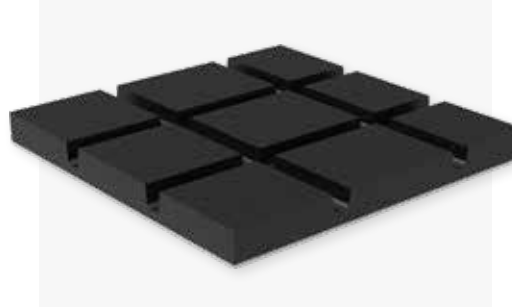
ENVIRONMENTAL PROTECTION

OIL-EX Absorption Mat

OIL-EX consists of elastomeric materials, an absorption layer of bound pelleted rubber and a high proportion of recycled material. An impermeable barrier layer on the underside of the mat prevents contamination of the substrate.

The 20mm thick mat with a width of 1480mm and a length of up to 50m has an absorption capacity of approx. 10 l / m² and a weight of 16 kg / m².

Possible areas of application could be maintenance and parking areas for road and rail vehicles, storage and intermediate storage for machines, protecting hydraulic machines, storage and transport securing of hydrocarbon-filled drums, containers and packages, filling stations or loading areas.



ACOUSTIC SOUND BARRIERS

Cisilent® Flexible Noise Control: Flexible Acoustic Sound Barriers

Noise control – the easy way

Flexible Sound Barrier for various purposes.

Rising environmental awareness and the knowledge of health damaging effects caused by intensive noise demand efficient countermeasures. In those cases where common products can only be used restrictedly, the CISILENT® sound barrier reveals its great advantages. This applies to indoor and outdoor locations, where spatial, technical, weight or other restrictions do not allow other options than CISILENT®



Applications:

- Near busy main roads
- Sport facilities
- Open-air concerts
- Shunting yards
- Building sites
- Airports
- Indoors, e.g. in production halls etc.

Benefits:

- With CISILENT® sound-proofing problems can be solved efficiently
- Little space needed for installation
- Low transport weight
- Simple assembling also allows mobile applications
- The flexible CISILENT® sound barrier reaches a sound insulating value of $R_w = 25$ dB despite being a fraction of the weight compared with other noise barriers
- Massive elements of the same area weight as CISILENT® insulate noise less, because they are more rigid and radiate sound themselves again from their outer surface
- The flexible CISILENT® however, fully uses the noise insulating effect of the area related mass
- CISILENT® is good for the well-being and fitness



KRAIBURG PuraSys vibrafoam

Offers Effective Protection Against Vibration And Shock

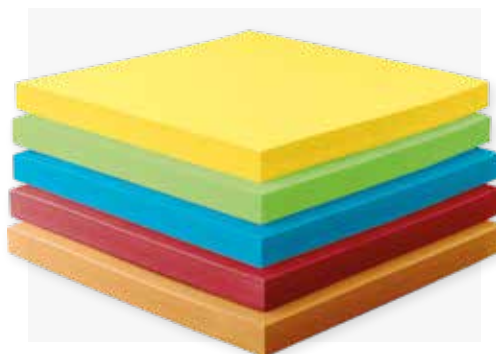
This high-tech PUR elastomer can be placed as an isolating, area mat between the structural components, as cut sections matching the relative structural component geometry, and also as a tailor-made moulded part. Offered in a wide program of 13 standard materials and the facilities for the production of special types in various colours and thicknesses according to your requirements.



KRAIBURG PuraSys vibradyn

Elastic Bearings Of Buildings, Whose Foundations Come Into Contact With Groundwater

A closed-cell PUR product for highly effective vibration isolation, can be used in application areas such as building isolation, including in groundwater – in a static load range from 0.075 – 1.5 N/mm². PURASYS **vibradyn** has nearly no damping effect, and functions like a technical spring. It is ideal for use in situations where vibration isolation is subject to stringent dynamic specifications.

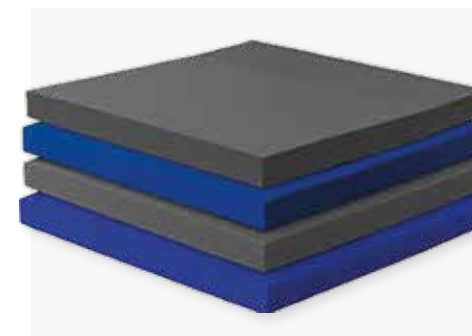


KRAIBURG PuraSys vibradyn HL

Elastic Bearings For High Loads Made From Polyurethane

When high weights are acting on a small area and there is no possibility of reducing the load by constructive changes. These include e. g. heavy machinery or point bearings in the form of supports like in buildings.

For such cases with increased requirements, KRAIBURG PuraSys offers the two newly developed bearings PURASYS **vibradyn** HL 3000 and HL 6000. They can take loads of up to 3.0 N/mm² or 6.0 N/mm².



PUNCHING SHEAR REINFORCEMENT

Shearail® Punching Shear Reinforcement

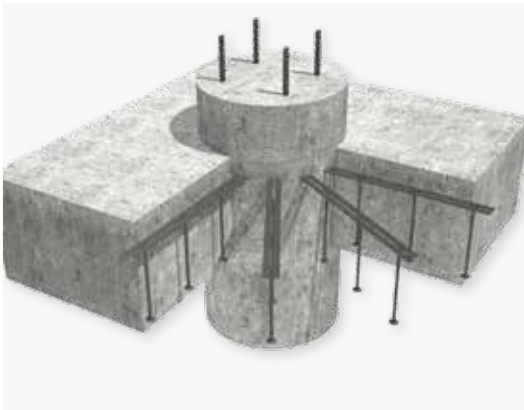


Shearail® is a certified prefabricated punching shear reinforcement system for flat, piled and post-tensioned slabs. It is designed to increase construction speed, improve build quality and reduce dependency on skilled labour – significantly reducing on-site costs.

It is the only proven punching shear solution with both CARES Technical Approval and BBA Certification. Shearail® punching shear reinforcement system, which is BS 8110 and EC2 compliant, enables site work to be carried out far more effectively and efficiently than traditional loose links, making it ideal for complex project management.

Advantages:

- Easy to position & fix.
- Designed to BS 8110 & Eurocode 2
- Free design service, including link conversions
- Fast install and saves labour costs



SHEAR LOAD CONNECTORS

Shear Force Dowel Systems For Expansion Joints

Egcodorn® and Egcodubel are a range of shear dowel systems that can accommodate most static and dynamic loads. The Egcodubel dowel system guarantees that transverse forces at expansion joints are transmitted without impeding the horizontal movement of each component.

Egcodorn® Transverse Force Dowel

Egcodorn® is a high-performance, corrosion-proof transverse shear force dowel which transfers maximum loads whilst having a minimal component thickness. When using Egcodorn®, it is not necessary to use extensive formwork for expansion joints. The unique corrosion protection system and the use of high-quality materials guarantee the highest safety and reliability.



Expansion joints allow for movement between adjacent concrete elements caused by physical changes (thermal expansion, shrinking, material creep). The primary application of the Egcodorn® stainless steel dowel system is to carry loads across expansion joints in which shear forces occur.

Features include:

- Optimum load transmission into the concrete
- Transfers maximum loads whilst having a minimum component thickness
- Easy, rapid and cost-efficient joint production
- Allows for transmission of static and dynamic loads
- Highest corrosion protection due to use of high-quality stainless steel
- Fire resistance Class R120
- Custom designs available upon request

Egcodubel

Egcodubel for expansion joints is a system for transmission of the transverse forces in joints of plate-shaped structural elements dowels are mainly used for subordinate structural elements (e.g ground bearing slabs), in which expansion joints must only allow for transverse forces.

- High steel quality
- Optimum corrosion protection
- Egcodubel available with or without sleeve



THERMAL BREAK BALCONY CONNECTORS

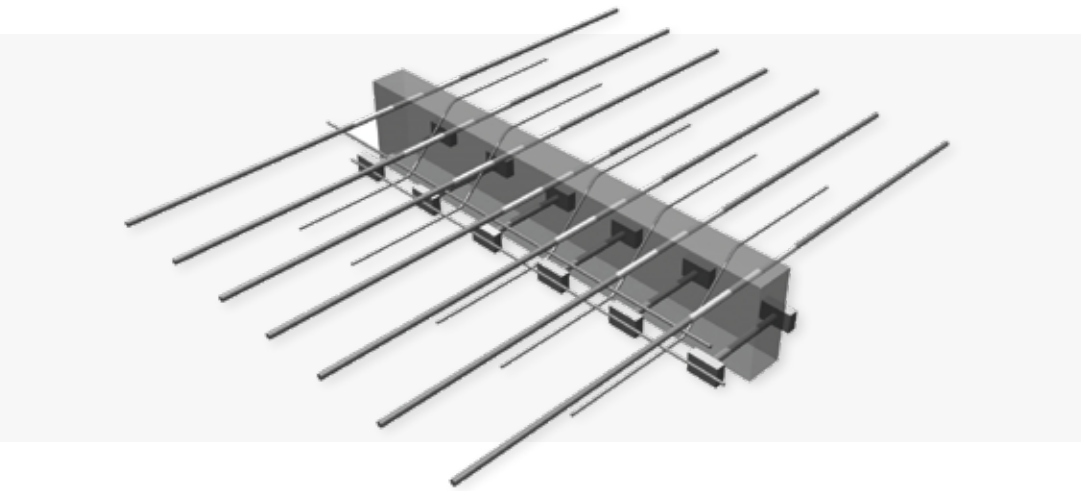
Egcobox® Thermal Balcony Connectors

Egcobox® is an approved certificated system for preventing thermal bridging between buildings and cantilevered components such as balconies, consoles, walls etc, and has been awarded BBA certification.

The Egcobox® system is impressive in its versatility benefits include:

- Reduces thermal bridging in accordance with building regulations
- Provides continuity of reinforcement and reinforcement properties between building components
- Reduces vertical deflection of the cantilever
- Non-standard sizes or elements with special loading or static calculations are available
- Elements are produced to order and supplied direct to site with short lead times

It is also possible to design and produce Egcobox® special element in-line with the individual static and geometrical requirements of your site. Cantilever connectors are manufactured according to the needs of each construction project and elements are supplied directly to the construction site.



FORMWORK SOLUTIONS

Pecafil® Permanent Formwork

Pecafil® permanent formwork for the construction of ground beams, box-out shutters, floor-edge forms, pile caps and bases. Pecafil® can be used as a separation material between the concrete face and steel sheet piles or contiguous concrete piles, and can also be adapted for use as weather, dust and privacy protection screens.

Pecafil® is simple to install and comes with all units clearly marked. It is environmentally friendly, has no impact groundwater and is recyclable. Pecafil® is a fast, cost-effective and convenient formwork material that you can rely upon.

Pecafil® can be used in conjunction with Pecavoid® ground heave solution.

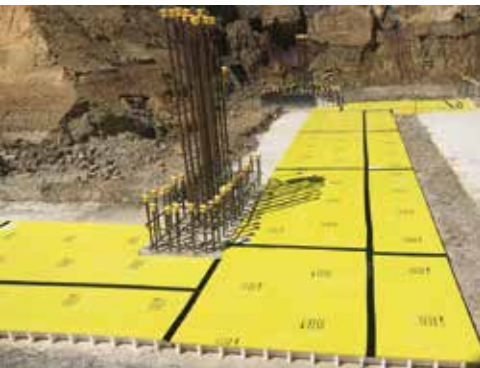


Pecavoid® Ground Heave Solution

Piled foundations, rafts and slabs can be affected by ground movement caused by volume changes in swelling clays due to clay type and moisture variation. Changes in the weather and vegetation also often affect ground moisture levels.

Pecavoid® is the BBA approved cellular void former from Max Frank, designed to combat the effects of clay heave on foundations.

Widely used in the construction of commercial buildings, Pecavoid® is certified by the BBA, meets NHBC technical requirements and is accepted by major warranty schemes for residential housing developments.



Advantages:

- Certified & proven solution
- Creates a void beneath suspended slabs and beams
- Does not degrade and contains no CFC's or HCFC's
- Insulation can be incorporated
- Can be installed with Pecafil® Permanent Formwork

recostal® Speed Edge Formwork

recostal® Speed Edge Formwork made from galvanised sheet metal is used for the installation of permanent lateral formwork for reinforced concrete base and floor slabs in structural and civil engineering.



Benefits include:

- Self-supporting up to h=50cm
- No additional support necessary
- No stripping
- Fast installation
- Corners are simply bent into shape
- Low transport costs
- Installation without crane

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT SIZE
FWK370	recostal® Speed edge Formwork: 180 x 2250 mm	Per Meter
FWK371	recostal® Speed edge Formwork: 200 x 2250 mm	Per Meter
FWK372	recostal® Speed edge Formwork: 250 x 2250 mm	Per Meter
FWK373	recostal® Speed edge Formwork: 300 x 2250 mm	Per Meter

recostal® Permanent Formwork System

recostal® shuttering units comprised of finely meshed, trapezoidally-profiled, expanded metal. They are designed for creating construction joints in concrete base slabs.



Shuttering units comprised of finely meshed, trapezoidally-profiled, expanded metal, designed for creating construction joints in concrete base slabs. Units are supplied to specific project-heights on site. recostal® shuttering is also available with anti-leakage material and clamps to eliminate the need to weld rebars.

Product range

1. recostal® 1000 for concrete slabs up to 300mm of wet concrete
2. recostal® 2000 for concrete slabs up to 900mm of wet concrete
3. recostal® 2000 GT for concrete slabs up to 1500mm of wet concrete
4. recostal® 2000 GTZ for concrete slabs over 1500mm of wet concrete
5. recostal® 2000 GT Fabric Web units have a removable fabric material and solid foam insert, which is cut away after pouring and curing to reveal smooth concrete

Benefits include:

- Ready to use
- Perfect fit
- Single rib or key profiled
- Self-supporting in one or two axial directions

Shuttering Strips

With shuttering strips openings of all sizes in base slabs and concrete floors are quickly and easily installed. Shuttering strips are perforated crosswise every 5cm. The scaled profile ensures a proper bond to the concrete.



LIGHTWEIGHT VOID FORMER FOR CONCRETE SLABS



U-Boot Beton®

Disposable formwork for two-way lightened voided slabs in reinforced concrete cast on site.

U-Boot Beton® is a recycled polypropylene formwork that was designed to create lightened slabs and rafts.

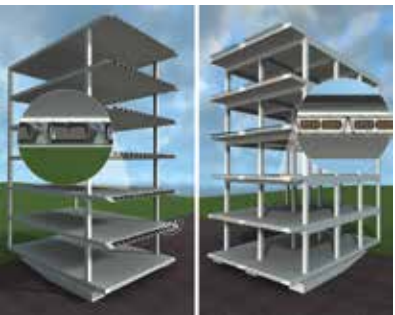
The use of U-Boot Beton® formwork makes it possible to create mushroom pillars, with the possibility to have the mushroom in the thickness of the slab.

Thanks to the conic elevator foot, immersing the U-Boot Beton® formworks in the concrete casting will create a gridwork of mutually perpendicular beams

closed from the bottom and the top by a flat plate that is created with a single casting; this results in considerable reduction in the use of concrete and steel.

U-Boot Beton® is used to create slabs with large span or that are able to support large loads without beams.

Light and quick and easy to position, thanks to their modularity the designer can vary the geometric parameters as needed to adapt to all situations with great architectural freedom.

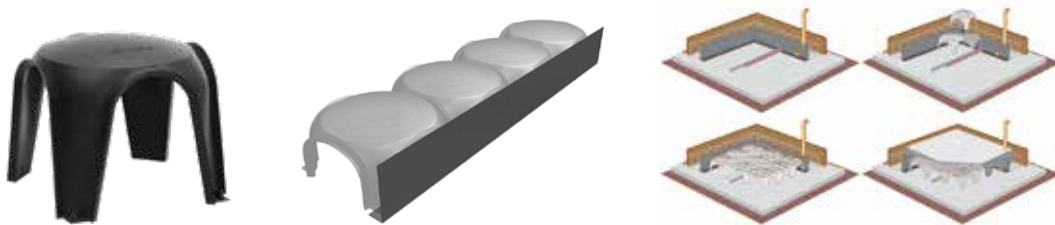


DISPOSABLE FORMWORK FOR VENTILATED UNDERFLOOR CAVITIES

Iglu®

Disposable formwork for ventilated under-floor cavities. Iglu® is a market leading product that was created and patented for the realisation of sanitary spaces, ventilated cavities, under-floor cavities, ventilated floors and roofs during the construction and restructuring of civil and industrial buildings.

The modular, plastic Iglu® formworks, placed side by side in sequence according to a predefined direction, make it easy to quickly create a self-supporting pedestrian platform above which a layer of is cast in order to easily and economically create a ventilated slab placed on pillars with the below cavity area available for the passage of systems but above all ventilated to counteract rising humidity and radioactive gases.



Atlantis System

Atlantis is an advanced system for creating cavities in general, under-floor cavities and ventilated floors in newly constructed or restructured civil and industrial buildings, accumulation tanks, dispersion tanks, honeycomb rafts, low temperature cold rooms.

The Atlantis System is used when the depth of the under-floor cavity or cavity is such that the classic Iglu® formworks cannot be used, with the advantage that the constant diameter of the elevator pipes makes

it possible to minimise the use of concrete for filling. The main system features are speed, simplicity and cost performance.

Furthermore, with Atlantis, a sanitary space is obtained with a suitable humidity barrier and, if properly ventilated through piping connected outdoors, it is a tool for the disposal of the Radon gas present in the ground.



MECHANICAL MOVEMENT JOINTS

Deflex Movement Joints

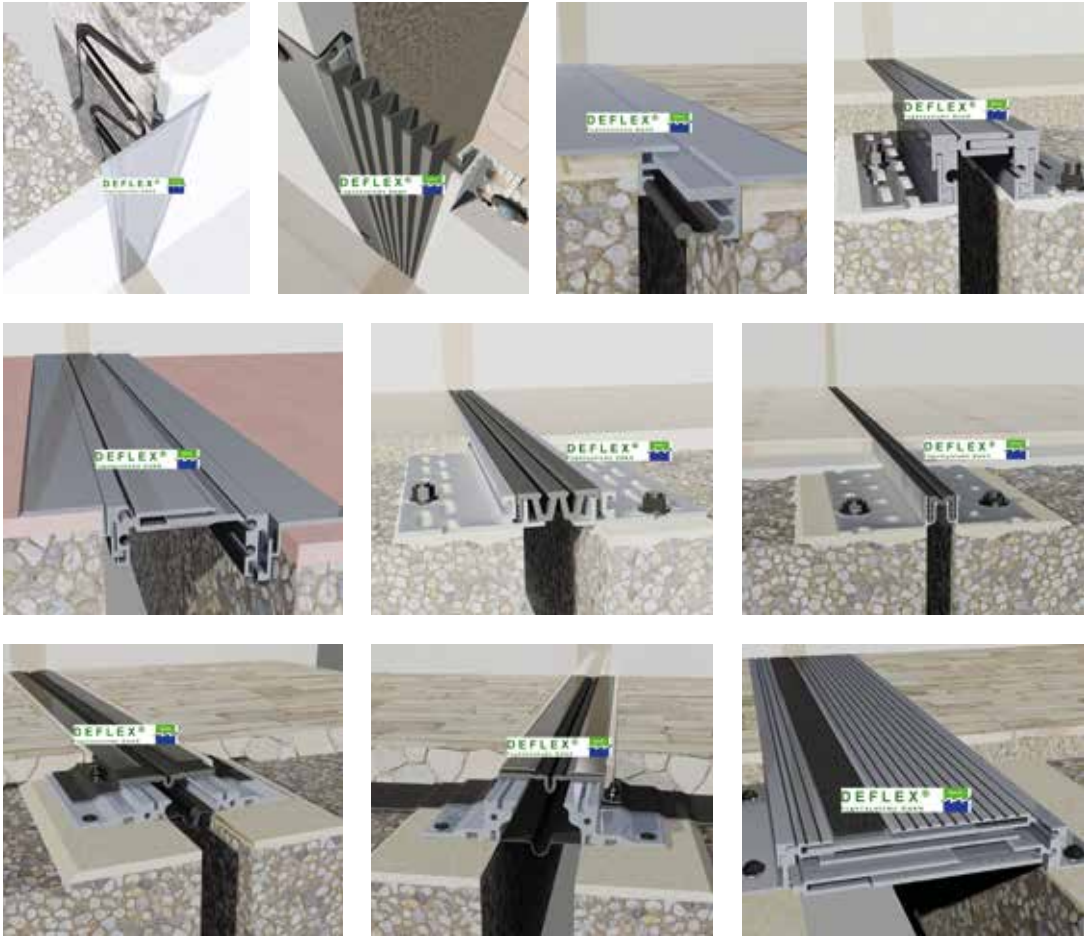
SDG are proud to be the distributor of movement joints manufactured by Deflex Fugensysteme GmbH – they are one of the key global names when it comes to the production of joint profiles. They have developed an innovative range of all-metal, metal and Nitriflex units, and specialise in finding solutions for individual customised projects.

The Deflex Fugensysteme GmbH is one of the key global names when it comes to the production and sale of joint profiles. Deflex completes all kinds of construction joints and offers solutions in all the

following fields: Joint profile, Wall profile, Floor profile, Ceiling profile, Roof profile, Design joint covering, Building sealing, Flat roof sealing and structural sealing of all kinds.

We can supply all kinds of construction joints and offer solutions in all the following fields:

- Expansion Joint profiles
- Floor Profiles
- Wall Profiles



ARCHITECTURAL FORMLINERS

Insitex® Formwork Liners

Insitex® formliners provide a low-cost means applying appealing textured finishes to a wide variety of concrete structures. Manufactured from PVC, the formliners are lightweight and easy to install – improving construction speed and reducing man-hours. Insitex® is ideal for use on smaller applications and individual structures.

Insitex® formliners from Max Frank offer a diverse range of textures and finishes, including abstract, masonry & brick, timber or vertical-ribbed profile.

Insitex® panels are supplied in standard widths of 600mm and heights of up to 7m.



Pieri® Formliners

Pieri® formliners enable you to create an artistic, permanent impression providing a unique multi-dimensional aspect to your concrete. Alternatively, formliners can be used to effectively reproduce masonry or other traditional finishes to blend new construction with existing surroundings.

Whatever your design requirement, Grace Pieri elastomeric formliners provide practical economic and aesthetic solutions for building facades, internal walls, bridges, sea walls and other areas of exposed concrete.



Zemdrain® Controlled Permeability Formliner

The primary cause of concrete degradation is the poor quality of the outer 20mm of the surface due to the use of oiled impermeable formwork. The resulting surface has increased porosity and numerous blowholes and reduced durability.

Zemdrain® controlled permeability formwork (CPF) liners can be used as an additional protective measure (APM). Zemdrain CPF liners are attached to the formwork face and during the concreting process remove excess air and water from the formwork/concrete interface. The resulting high-quality concrete surface has significantly increased durability properties.

Zemdrain® non-woven liner lends concrete the following properties:

- Greater surface hardness
- Blowhole-free, low-pore surface
- Reduced growth of microorganisms and algae
- Better freeze-deicing salt resistance
- Increased abrasion resistance



Advantages:

- Increased service life of the concrete surface
- Value retention of the concrete surface
- Proven cost savings over the total service life of the structure
- No concrete release agent required

Murfor® Compact



Murfor Compact is the next generation of masonry reinforcement on a roll. Available in stainless steel and galvanised it can be used on both internal and external walls; it is easily rolled out onto masonry joints reducing install time making the building process quicker. It is CE and ETA approved due to its design it is the first product to market which is used for both structural and crack control.

Key Benefits:

- Structural and Crack Control
- Colour coded for ease of install
- Fast and simple to install
- CE compliant and ETA Approved
- Ease of transport
- Accommodates any wall width



Type	Suitable For
Murfor® Compact I- Red (galvanized)	Masonry (clay bricks, concrete blocks) exposed to a dry environment (exposure class MX1, compliant with Eurocode 6/EN845-3)
Compact I- Red	All types of mortar joints
Murfor® Compact E - Blue	Made of class R1, EN 845-3 compliant austenitic stainless steel (Molybdene - chrome - nickel alloys). This type of reinforcement has been specifically designed for exterior masonry that is exposed to the elements (exposure class MX2, MX3 and MX4, compliant with Eurocode 6/EN 845-3)
Murfor® Compact E	Blue is suitable for all mortar joints between 3mm & 12mm



Stucanet®

Render Carrier

Stucanet is a purpose designed plater and render carrier which is manufactured from heavy galvanised steel welded wire mesh into moisture absorbent chip paper. It is used specifically for exterior façade applications and is protected with a breather membrane to prevent moisture penetration.

Applications:

Stucanet® is used specifically for exterior facade applications.

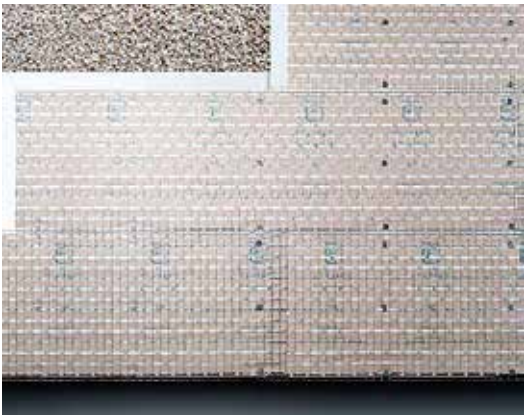
Stucanet® can be used on a Masonry wall or Timber frame.

Available in Stainless Steel or Galvanised.



Key Benefits:

- Quick and easy install
- Durable plasterwork and rendering
- Can be used as a dry wall alternative
- CE Complaint
- No need to remove existing render



TECHNICAL INNOVATION

Still looking for something?

Some of our products apply to multiple sectors. A full breakdown of our product catalogue can be found in the index on page 362.



Still looking for something?

Visit our website for further product information or call our sales team to speak to one of our expert advisors.

WEARESDG.COM
+44 (0) 28 3752 8999







Get in touch

HEAD OFFICE

21 Tullygoonigan Industrial Estate
Moy Road
Armagh
BT61 8DR

Tel: +44 (0) 28 3752 8999

MONAGHAN OFFICE

Cornacrieve
Emyvale
Monaghan
HY18 XY 46

Tel: + 353 (47) 87 295

wearesdg.com

Email: hello@wearesdg.com