





THE COMPANY OF CHOICE

For all Piling Solutions

Products and Services





"I am proud to introduce our detailed Piling Brochure outlining the wide range of products and technical capabilities we are able to offer."



"We have grown in strength, knowledge and expertise, setting our own high expectation levels. This company ethos has resulted in us becoming one of the industry leaders within this sector."

"We are proud of the fast and efficient service we provide coupled with the quality of the finished product, irrespective of type, size or technical difficulty required for any pile cage specification."

"We also fully understand this sector often requires quick response deliveries to meet our customer's demands. Therefore, we have made it one of our main priorities to organise both our production facilities and labour in a manner that has the scope and flexibility to cope with this kind of service level, without compromise to quality of product. We trust you will find the information contained within this brochure both interesting and informative."

Colin Prior Managing Director



99% of our clients would recommend us to others.....

Based on quality satisfaction results for Q3 2009.





Company Profile

Lemon Groundwork Supplies have been supplying steel reinforcing and ground heave products to the construction industry for over 30 years. We have built our reputation for **customer service** and **reliability** through our continued commitment to retaining experienced, well trained, motivated staff and a ruthless adherence to strict delivery deadlines.

Supplying the demanding Piling sector, gave us the confidence to launch a separate specialist Piling Division in 2005. We wanted to bring our unique blend of highly trained knowledgeable staff, high levels of personal attention, together with product and delivery reliability, to the stimulating Piling element of our industry.

Being a privately owned, financially robust company gives us the freedom to invest in training and development of our people and allows for the necessary levels of staff to be maintained at all times to meet all our customer demands. We are committed to continue



with significant investments in plant and machinery to further increase our production capabilities, ensuring we will always remain a major supplier regardless of the size of project or piling contractor.

As a separate department, Lemon Piling Division can concentrate on **working closely with its customers** to supply a full range of products and services in a straight forward, cost effective manner, catering for all piling requirements. We already have an impressive list of high profile clients who rely on our service on a daily basis, and we are proud to share, in this brochure, some of their testimonials.





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REINFORCING BAR

Reinforcing bars are produced from two large, well-stocked and strategically placed, manufacturing depots.



- Two depots Midland & South East with full manufacturing facilities
- As expected all Reinforcing Bar, Rings and Helical supplied are CARES approved
- All Steel Reinforcement supplied conforms to BS4449/2005
- Grades B500A, B500B and B500C available upon request
- Stock levels across the country consistently in excess of 3000 tonnes ensure we have the resources to handle any size project, in any location
- Diameters available 6mm 50mm
- Bar cut to any length to suit your needs





Stock Lengths

Bar Diameter	6 Metre	8 Metre	12 Metre	14 Metre	15 Metre
10mm	~		~		
12mm	~		~		
16mm	~	~	~	~	
20mm	~		~	~	
25mm			~	~	~
32mm			~	~	~
40mm				~	~
50mm					

For convenience we have a number of stock lengths instantly available.







CARES Approved

Lemon have been a CARES approved manufacturer of Steel Reinforcement products for over 20 years.

We will only supply CARES approved reinforcement under CARES certificate no. 950601.

The British Association of Reinforcement (BAR) is a trade association for all UK manufacturers and fabricators of steel reinforcement products. Lemon Groundwork Supplies are a proud member.

We have over 500 active clients throughout the UK.....







Some of the projects we have supplied.....

- Silverstone Start/Finish Stand
- Project Orbit Monument Olympic Park
- · Aquatics Centre Olympic Park
- Wimbledon Centre Court
- A406 Bridge Strengthening Project
- · Edgbaston Cricket Club
- The Oval
- · London Underground
- Cambridge Biomedical Centre
- Barking Bridge Strengthening Project
- Molineux New Wolverhampton Wanderers Stadium

"Dealing with professionals gives me one less thing to worry about"

"Since I took over the purchasing in January 2010, I have found dealing with Lemon a pleasure. By the time I receive the gear lists from the design team, there is often little time to organise the steel. Personally I like to deal with one person and build a relationship, which has been the case. I am constantly pestered by other reinforcing firms but can confidently say we have found our steel supplier..."

Peter, Head Buyer, Major Piling Contractor

HELICAL & RINGS

Helical produced in high tensile and mild steel from both depots at short notice.

Helical

6mm to 12mm Helical from 150mm o/d to 1200mm o/d with the number of turns to suit your order can be supplied at short notice if required.

We can also supply these Helical pre-sprung to the pitch you require and we run FOUR Helical machines with the capability of producing over 100 tonnes of Helical per week.

- Bar thickness = 6mm to 12mm
- Overall diameter = 150mm to 1200mm

Pre Pitched Helical

We consistently produce over 100 tonnes of Helical and rings per week from two depots. Conventional wound Helical, pre sprung for the larger diameters, and rings all available. Please see Helical Chart on the opposite page.

Maximum length of a Pre Pitched Helical is 3500mm. This is to ensure the quality of the product and for ease of off-loading.



Non Pitched Helical







"Flexibility to produce quick turnarounds"

"We need to have deliveries next day or within 48 hours regularly. Coupled with specification changes we need our supplier to have flexibility to produce quick turnarounds on steel or accessories. Lemon often provide us with either same day deliveries or next day. If this cannot be met we are always notified and offered a solution to our problem."

Keith, Managing Director, Major Piling Contractor



Helical/Ring Specifications

Key: H = Helical R = Ring

Cage Dia	R6	R8	Н8	Max Pitch	R10	H10	Max Pitch	R12	H12	Max Pitch	H16
100	R	-	-	-	-	-	-	-	-	-	-
150	H or R	H or R	H or R	150	-	-	-	-	-	-	-
200	H or R	H or R	H or R	200	H or R	H or R	200	R	-	-	-
250	H or R	H or R	H or R	200	H or R	H or R	200	H or R	-	-	-
300	H or R	H or R	H or R	250	H or R	H or R	250	H or R	H or R	200	R
350	H or R	H or R	H or R	250	H or R	H or R	250	H or R	H or R	250	R
400	H or R	H or R	H or R	300	H or R	H or R	300	H or R	H or R	300	R
450	H or R	H or R	H or R	300	H or R	H or R	300	H or R	H or R	300	R
500	H or R	H or R	H or R	300	H or R	H or R	300	H or R	H or R	300	R
550	-	-	H or R	-	H or R	H or R	-	H or R	H or R	-	R
600	-	-	H or R	-	H or R	H or R	-	H or R	H or R	-	R
650	-	-	H or R	-	H or R	H or R	-	H or R	H or R	-	R
700	-	-	H or R	-	H or R	H or R	-	H or R	H or R	-	R
750	-	-	H or R	-	H or R	H or R	-	H or R	H or R	-	R
800	-	-	-	-	-	H or R	-	H or R	H or R	-	R
850	-	-	-	-	-	H or R	-	H or R	H or R	-	R
900	-	-	-	-	-	H or R	-	H or R	H or R	-	R
950	-	-	-	-	-	H or R	-	H or R	H or R	-	R
1000	-	-	-	-	-	H or R	-	H or R	H or R	-	R
1050	-	-	-	-	-	R	-	H or R	H or R	-	R
1100	-	-	-	-	-	R	-	H or R	H or R	-	R
1150	-	-	-	-	-	R	-	H or R	H or R	-	R
1200	-	-	-	-	-	R	-	H or R	H or R	-	R

Lemon do not recommend ordering a Pre Pitched Helical with an overall length longer than 3500mm.

Rings

- Bar thickness = 6mm to 25mm
- Overall diameter = 100mm to 3000mm

We can manufacture Rings in mild and high tensile steel to precise tolerances. Please see Helical Chart above. Welded overlapping rings also available.

- Accurate diameter and circumferences
- Available in High Tensile (BS 4449) and Mild Steel (BS 4482)
- Standard lap for welded rings is 40 x diameter of steel







Cage Formers

Advantages and specifications available

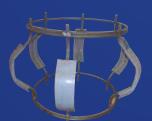
- Rapid, accurate cage assembly
- Strengthens cage
- Provides a lifting point
- Steel diameter 8mm 12mm
- Overall diameter 150mm 1200mm
- Legs dependant on pile diameter 3no. 12no.
- All concrete cover sizes available

Product Code	Description	No. of main bars	Unit
CF150	150mm diameter Cage Former	3-8	Each
CF200	200mm diameter Cage Former	3-8	Each
CF250	250mm diameter Cage Former	3-8	Each
CF300	300mm diameter Cage Former	3-8	Each
CF350	350mm diameter Cage Former	3-8	Each
CF400	400mm diameter Cage Former	3-8	Each
CF450	450mm diameter Cage Former	3-8	Each
CF500	500mm diameter Cage Former	3-8	Each
CF550	550mm diameter Cage Former	3-8	Each
CF600	600mm diameter Cage Former	3-8	Each









Lantern Spacers

This unique spacer offers quick, easy and accurate placement of reinforcement steel centrally within a pile. Available to suit all diameters of reinforcing bar and diameter of bored pile.

Advantages and specifications available

- Quick fixing
- Exact cover
- · Designed for concrete flow
- Allows for expansion
- Can be tied to prevent slip
- Steel diameter 12mm 50mm
- Overall diameter
 150mm 1200mm
- Legs (Dependant on pile diameter 3no. - 12 no.)
- · All cover sizes available



Product Code	Description	Pile Diameter	Unit
LS12	12mm Lantern Spacer	150mm – 1200mm	Each
LS16	16mm Lantern Spacer	150mm – 1200mm	Each
LS20	20mm Lantern Spacer	150mm – 1200mm	Each
LS25	25mm Lantern Spacer	150mm – 1200mm	Each
LS32	32mm Lantern Spacer	150mm – 1200mm	Each
LS40	40mm Lantern Spacer	150mm – 1200mm	Each
LS50	50mm Lantern Spacer	150mm – 1200mm	Each

 $Special\ sizes\ available\ upon\ request.$

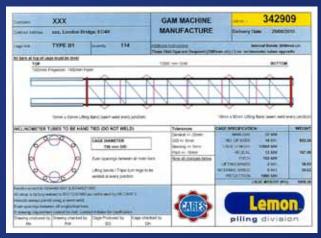


PREFABRICATION

Lemon provide a comprehensive Prefabrication service, including large single piece pile cages, mechanically spliced pile cages, pile caps, ground beams, lift pits, staircases and any other bespoke work that may be required.

Our 15 years experience in Prefabrication techniques ensures the quality and speed of deliveries are of the highest order. Drawings detailing the cage specifics are provided by our Production team prior to manufacture, to ensure the product meets all necessary customer criteria.





Prefabricated Cage Drawings

Cage detail drawings available.

Our Prefabrication Coordinator will produce a detailed specification drawing using customers documentation. This provides our production department with comprehensive information to produce accurate prefabricated cages.

These drawings are available prior to the contract starting, thus giving the customer the chance to confirm the specification and eliminate any possible problems before production.

The prefabricated drawings detail every aspect of the cage:

- Type, size and quantity of main bars and helicals, including pitch
- Lifting band specifics and positions
- · Skid spacer quantities and group positions
- Projection lengths and de bond if required
- Sonic tube/Inclinometer tube quantities and position







Machine Welded Cages

Lemon Piling is a Leader in prefabricated solutions with fully CARES approved facilities. Factory manufactured pile cages are to BS7123.



CARES assessment schedule 6 – ensuring the consistent quality of factory tack welds.

CARES assessment schedule 10 – ensuring the consistent quality of factory pile cages. We design the fillet welds between bars, bands, rings. All cages are inspected prior to delivery ensuring the highest quality by our Prefabrication team.







Advantages and specifications available

- Machine welded cages are extremely accurate, and produce cages very quickly
- Every pile cage is exceptionally strong, built to CARES standards
- Factory welded pile cages available up to 15 metres in length and 1500mm in diameter
- Reduces site labour costs for steel fixing
- Fully labelled cages
- Factory production vastly superior quality to tied cages
- Ease of planning site time cycles irrespective of weather conditions
- · Limited working space for fixing is alleviated
- Highly detailed prefabrication drawings available for each project
- Lifting band calculations available for each project
- Cages can be 'tapered' at one end to ease placement

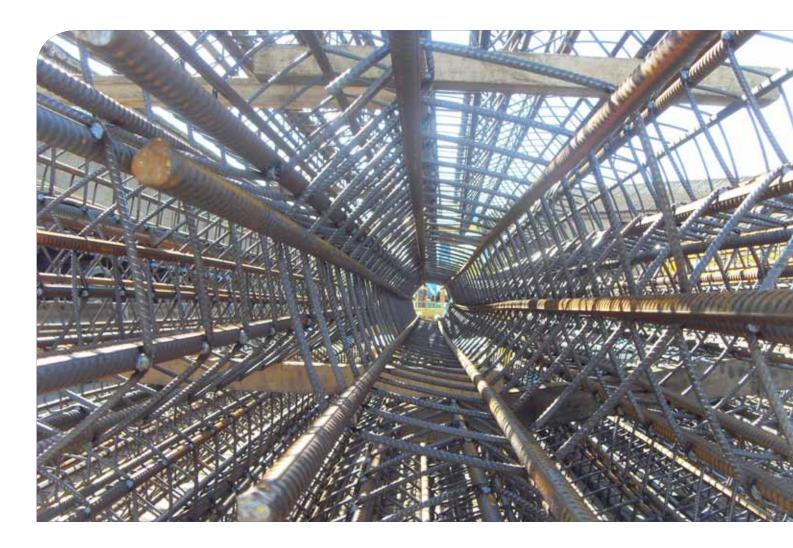
We are very proud to be associated with some of the most prestigious contracts in the country.





Reinforcing Bar Helical & Rings Prefabrication Logistics Health & Safety

| Piling Accessories | Environmental Policy | Depot Locations



"The prefabricated pile cages were of very high quality"

"Lemon provided us with some substantial prefabricated cages recently to a very important project. All specifications met exactly as you would expect the cages were of a very high quality."

"We would highly recommend."

Andrew, General Manager , Major Piling Contractor





PREFABRICATION

Hand Welded Cages

We have our own team of qualified welders, fully certified to CARES who specialise in prefabricating pile cages providing solutions to meet any requirement.

Many years experience in making cages ranging in size from 100mm o/d to 2400mm o/d. Wire tied cages are also available upon request.





Mechanically spliced cages

- · Precision manufacturing and assembly
- Cages pre-fitted with couplers in factory prior to delivery
- Every connection torqued and tested in factory prior to delivery ensuring zero site problems
- All cage sections clearly labelled and colour coded identifying order of placement
- One bar on each section clearly highlighted to ease coupling
- Skid spacers, lifting bands and de bonding Isofoam can also be factory fitted
- Highly detailed prefabrication drawings available for each project
- Lifting band calculations available for each project







Our experienced Prefabrication team can produce any mechanically spliced cage system required. Lemon have completed some very prestigious mechanically spliced pile cage projects with low head room. These include bridge strengthening projects on the A406 London Ring Road, and Farringdon and Barking train stations.

Fully Calibrated Torque Wrenches available. These can be supplied to site with the cages if required.







"The quality of Lemon cages are exceptional...."

"Ordering threaded cages is always a little unnerving because of the tight tolerances they must be made, but Lemon know what they are doing and we have been delighted with their quality. Happily recommend."

Simon, Managing Director, Major Piling Contractor.

PREFABRICATION CAGE SPECIFICS

Reducing Rings & Tapering

All cages can be reduced at the bottom of the cage to ease placing on site. The diameter of the main reinforcement and the given projection will determine how much the cage can be reduced. Reducing rings available to stagger the cage from its full diameter to the reduced required diameter.

Internal Strengthening Rings

- The internal rings ensure zero movement or distortion of cages in transit or on site. These are always used in threaded pile cages where there are zero tolerances
- Generally specified in larger diameter pile cages







Internal Lifting Band

Lifting Bands

Lifting band load calculations to ensure safe handling available upon request. Welding compliant with CARES appendix 10 and BS 7123.

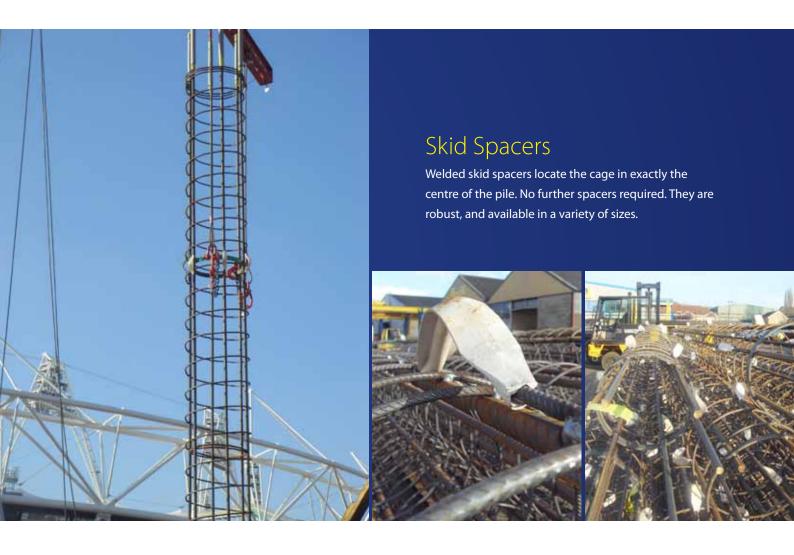
- Standard Lifting Band = 5mm x 50mm
- Heavy Duty Lifting Band = 10mm x 50mm
 Thickness of welded lifting band
 allocated to cage dependant on
 each cage weight.
- Minimum diameter = 300mm
- Maximum diameter = 3000mm





External Lifting Band





Projection & De Bonding

De bonding foam can be factory fitted prior to delivery saving valuable time on site. All diameters available. Cable tied and taped securely.





"We were desperate for a supplier who could accommodate our needs....."

"We have dealt with many steel companies over the years, but find Lemon the most accommodating. They pull out the stops to get our orders to site when we need, which is often at very short notice. If they are unable to achieve the date, they tell us. Can't ask for any more than that."

Mike, Buyer, National Piling Contractor.

LOGISTICS

We are one of very few steel companies that run our own fleet of vehicles NATIONWIDE.



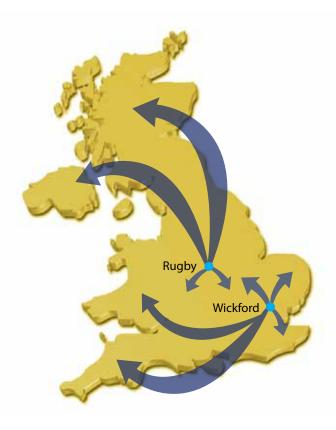
Having our own fleet of vehicles allows us the flexibility to complete last minute deliveries and means we have control over its Environmental impact. We take pride in providing quality customer service with Experienced, Professional, Fully Licensed Drivers and an excellent Management team.

Computerised Planning assists our drivers to avoid unnecessary mileage, helping us load lorries more efficiently ensuring **on time** deliveries.

Our fleet of rigid and articulated vehicles are all compliant within the London low emission zone (LEZ).

Crane off load

A majority of our vehicles are fitted with crane off load for your added convenience. Please discuss with your account executive.



Our fleet encompasses a wide range of vehicles

- 44ft Articulated vehicle
- 26 tonne rigid crane mounted vehicles
- 18 tonne rigid crane mounted vehicles
- 7.5 tonne trucks

Courier Service

Our wide range of services also includes a dedicated courier service across the UK for time sensitive, urgent and last minute requirements.









Health and Safety

Lemon Piling Division is committed to ensuring the health and safety of all personnel. Our drivers possess safety certifications and have all completed an intensive training program. Wearing Personal Protective Equipment is mandatory.

Our health & safety policy statement is available upon request. This includes all employees and other persons directly or indirectly affected by our conduct.

Safety Rail Systems

Safety Rail Systems are available on both articulated and rigid vehicles.

Slings

Loose bar, helical, and pile cages can all be pre slung if requested. Slings supplied in lengths to be available for lifting from ground height thus avoiding the need for site personnel to climb onto vehicles.

"Lemon understand and respect our safety requirements...."

"We are a leader in site safety within the Industry, and therefore will not tolerate sub standardness from our suppliers. The essentials, full PPE, chain certificates, side rails, slings are always supplied by Lemon. Lemon most importantly understand and respect the reasons such safety requirements are required and ensure that every one of our deliveries, big or small are met with the same standards."

Ken, Contracts Manager, National Civil Engineer

Stillages



Extendable Side Poles



ACCESSORIES

Reinforcing Bar Couplers

Lenton is a Global Leader in rebar splicing, manufacturing a complete line of systems. Lenton mechanical splices can provide a better solution than traditional lap splices.

Lenton Bar to Bar Connections

Lenton Standard Couplers are designed to splice the same diameter bars where one bar is free to move and can be rotated. Lemon are a CARES approved manufacturer of Lenton threaded bars and couplers.





Lenton P13 & P14 Positional Coupler

Type P13 & P14 Positional Couplers are designed to be used in applications when neither bar can be rotated. Having a degree of adjustability, the Positional coupler can also be used as a closer between two fixed bars.

Product Code	Description	Coupler Sizes	Unit
LPC10	10mm Lenton Coupler - Positional	25mm x 138mm	Each
LPC12	12mm Lenton Coupler - Positional	25mm x 150mm	Each
LPC16	16mm Lenton Coupler - Positional	30mm x 155mm	Each
LPC20	20mm Lenton Coupler - Positional	36mm x 180mm	Each
LPC25	25mm Lenton Coupler - Positional	46mm x 207mm	Each
LPC32	32mm Lenton Coupler - Positional	55mm x 243mm	Each
LPC40	40mm Lenton Coupler - Positional	70mm x 289mm	Each
LPC50	50mm Lenton Coupler - Positional	85mm x 353mm	Each

Lenton A12 Couplers

LENTON® Standard Couplers are designed to splice the same diameter bars where one bar is free to move and can be rotated.

Product Code	Description	Coupler Sizes	Unit
LAC10	10mm Lenton Coupler - Type A12	17mm x 48mm	Each
LAC12	12mm Lenton Coupler - Type A12	17mm x 49mm	Each
LAC16	16mm Lenton Coupler - Type A12	22mm x 61mm	Each
LAC20	20mm Lenton Coupler - Type A12	27mm x 88mm	Each
LAC25	25mm Lenton Coupler - Type A12	33mm x 96mm	Each
LAC32	32mm Lenton Coupler - Type A12	42mm x 107mm	Each
LAC40	40mm Lenton Coupler - Type A12	52mm x 131mm	Each
LAC50	50mm Lenton Coupler - Type A12	64mm x 163mm	Each

Lenton Transition Coupler

LENTON® Transition Couplers are designed to splice different diameter bars where one bar can be rotated.

Product Code	Description	Coupler Sizes	Unit
LTC1216	Lenton Coupler - Transitional, 12mm & 16mm	25mm x 72mm	Each
LTC1620	Lenton Coupler - Transitional, 16mm & 20mm	30mm x 78mm	Each
LTC2025	Lenton Coupler - Transitional, 20mm & 25mm	36mm x 90mm	Each
LTC2532	Lenton Coupler - Transitional, 25mm & 32mm	46mm x 112mm	Each
LTC3240	Lenton Coupler - Transitional, 32mm & 40mm	55mm x 138mm	Each
LTC4050	Lenton Coupler - Transitional, 40mm & 50mm	70mm x 170mm	Each

Full range of Lenton couplers available. Lemon are a distributor and preferred supplier for





Lenton Threading Machine

Our rebar threading machine gives us maximum speed and increased flexibility to produce threaded rebar for Lenton bar to bar connections.



MBT ET Series

MBT ET Series is used to connect reinforcing bars of the same size.

Product Code	Description	Coupler Sizes	Unit
MBTET10	10mm MBT Coupler - ET Series	33.4mm x 100mm	Each
MBTET12	12mm MBT Coupler - ET Series	33.4mm x 140mm	Each
MBTET16	16mm MBT Coupler - ET Series	42.2mm x 160mm	Each
MBTET20	20mm MBT Coupler - ET Series	48.3mm x 204mm	Each
MBTET25	25mm MBT Coupler - ET Series	54.0mm x 258mm	Each
MBTET32	32mm MBT Coupler - ET Series	71.0mm x 312mm	Each
MBTET40	40mm MBT Coupler - ET Series	75.0mm x 356mm	Each
MBTET50	50mm MBT Coupler - ET Series	81.0mm x 484mm	Each

MBT Continuity Series

MBT Continuity Series is used when reinforcement needs to be extended at construction joints.

Product Code	Description	Coupler Sizes	Unit
MBTCS12	12mm MBT Coupler - Continuity	33.4mm x 250mm	Each
MBTCS16	16mm MBT Coupler - Continuity	42.2mm x 280mm	Each
MBTCS20	20mm MBT Coupler - Continuity	48.3mm x 297mm	Each
MBTCS25	25mm MBT Coupler - Continuity	54.0mm x 357mm	Each
MBTCS32	32mm MBT Coupler - Continuity	71.0mm x 431mm	Each
MBTCS40	40mm MBT Coupler - Continuity	81.0mm x 603mm	Each

Torque Wrenches

In order to ensure the correct assembly of tapered thread couplers the use of a calibrated torque wrench is essential.

MBT Couplers

MBT Couplers provide a simple way to join two reinforcing bars. Neither bar end preparation or bar rotation is required with MBT Couplers making them a very versatile product for a wide range of on-site applications. This is particularly suitable when one of the bars to join is already in place.

To install simply tighten the lockshear bolts where upon the conical ends embed themselves into the bar. The heads will then shear off the bolts when the correct

torque has been met, giving an instant visual check for correct installation.



MBT Transition Series

MBT Transition Series is used to connect reinforcing bars of different diameters.

Product Code	Description	Coupler Sizes	Unit
MBTTS2012	MBT Coupler - Transition. 20mm & 12mm	48.3mm x 150mm	Each
MBTTS2016	MBT Coupler - Transition, 20mm & 16mm	48.3mm x 160mm	Each
MBTTS2516	MBT Coupler - Transition, 25mm & 16mm	54.0mm x 155mm	Each
MBTTS2520	MBT Coupler - Transition, 25mm & 20mm	54.0mm x 180mm	Each
MBTTS3220	MBT Coupler - Transition, 32mm & 20mm	71.0mm x 177mm	Each
MBTTS3225	MBT Coupler - Transition, 32mm & 25mm	71.0mm x 231mm	Each
MBTTS4032	MBT Coupler - Transition, 40mm & 32mm	81.0mm x 335mm	Each



Piling Accessories | Environmental Policy | Depot Locations

Dywidag Prestressing Steel

Dywidag Prestressing Steel is a high tensile alloy steel bar which features a coarse right hand thread over its full length. The system is proven worldwide and offers versatility in a range of applications.

Dywidag Bars

- Steel grade 950/1050 N/mm²
- Diameters available 26.5mm 75mm
- Maximum length 12000mm
- Cut to length if required

Product Code	Description	Unit
DYW26.5	26.5mm Dywidag Bar	6mtr & 12mtr
DYW32	32mm Dywidag Bar	6mtr & 12mtr
DYW36	36mm Dywidag Bar	6mtr & 12mtr
DYW40	40mm Dywidag Bar	6mtr & 12mtr
DYW47	47mm Dywidag Bar	6mtr & 12mtr
DYW57	57mm Dywidag Bar	6mtr & 12mtr
DYW65	65mm Dywidag Bar	6mtr & 12mtr
DYW75	75mm Dywidag Bar	6mtr & 12mtr



Dywidag Couplers

Couplers enable prestressing steel threadbars to be coupled or extended, reliably and efficiently. It is important that the two threadbars meet centrally within



the coupler, and remain so during installation, to ensure correct load transfer.

- Steel grade 950/1050 N/mm²
- Diameters available 26.5mm 75mm

Product Code	Description	Dimensions	Unit
DYC26.5	26.5mm Dywidag Couplers	50mm x 170mm	Each
DYC32	32mm Dywidag Couplers	60mm x 200mm	Each
DYC36	36mm Dywidag Couplers	68mm x 210mm	Each
DYC40	40mm Dywidag Couplers	70mm x 245mm	Each
DYC47	47mm Dywidag Couplers	83mm x 270mm	Each
DYC57	57mm Dywidag Couplers	95mm x 240mm	Each
DYC65	65mm Dywidag Couplers	105mm x 260mm	Each
DYC75	75mm Dywidag Couplers	114mm x 290mm	Each

Dywidag Accessories

Nuts - Domed & Hexagonal Anchor Plates - Recessed, Flat, Articulating and Gusseted.

Washers – Flat, Tapered and Hemisphere. Lifting Shackles to suit all diameters.

Product Code	Hexagonal Nut Dims	Flat Anchor Plate
26.5mm	46mm x 80mm	35mm x 130mm x 130mm
32mm	55mm x 90mm	40mm x 160mm x 160mm
36mm	60mm x 110mm	45mm x 180mm x 180mm
40mm	70mm x 120mm	50mm x 220mm x 220mm
47mm	80mm x 140mm	50mm x 260mm x 260mm



are a proud stockist and nationwide distributor of Dywidag products.





Tying Wire

· High quality 1.6mm 16 gauge soft black annealed tying wire. Supplied in coils





Knippex End Cutting Pliers

- 200mm
- The most popular manufacturer of fixing nips used by steelfixers across the UK



Smartreel canisters & coils

Smartreel is a refillable tying wire delivery system. Worn on the belt, tying wire is always to hand precisely when needed. The wire is drawn through one of two openings on the side designed to accommodate right or left handed operatives. When the wire runs out the cover plate is controlled with a flick of the wrist and the Smartreel can be refilled in seconds, without removing your belt.

Coils

1.5kg mini coils of high quality 1.6mm 16 gauge black annealed tying wire. The wire is bobbin wound to prevent tangling when used with the Smartreel.





Pile Cage Spacers

- A robust clip on pile cage spacer to provide a quick reliable method of spacing for bored piling and diaphragm walling
- · 40mm, 50mm and 75mm available



Product Code	Description	Unit
PCS40	40mm Pile Cage Spacers	Per 200
PCS50	50mm Pile Cage Spacers	Per 200
PCS75	75mm Pile Cage Spacers	Per 100

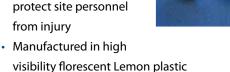
GEWI Bar

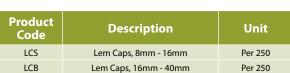
Lemon Piling are an authorised distributor of Gewi Bar.



Lem Safety Caps

- · Covers 8mm 40mm bars
- Designed to fit securely onto the ends of protruding rebar to protect site personnel from injury







Piling Accessories | Environmental Policy | Depot Locations

De-Bonding Isofoam

• Isofoam is a foam debonding tube that is installed on the projecting bars of a pile cage to prevent the concrete adhering to the reinforcing bars

Product Code	Description	Dia Bar	Mtrs per box	Unit
IFOAM15	15mm Isofoam	12mm	380	Per 2000mm
IFOAM18	18mm Isofoam	16mm	330	Per 2000mm
IFOAM22	22mm Isofoam	20mm	250	Per 2000mm
IFOAM28	28mm Isofoam	25mm	190	Per 2000mm
IFOAM35	35mm Isofoam	32mm	150	Per 2000mm
IFOAM42	42mm Isofoam	40mm	110	Per 2000mm



Lifting Bands

- Mild steel lifting bands in stock
- · Other thicknesses and widths available upon request
- Internal and External available
- · Accurate diameters to enable placing
- Both Mild Steel and High Tensile material available

Product Code	Description	Unit
LB550	Lifting Band, 5mm x 50mm	Each
LB1050	Lifting Band, 10mm x 50mm	Each

Skid Spacers

Can be supplied loose or attached to prefabricated cages.

Product Code	Description	Unit
SS50	50mm Skid Spacers	Each
SS75	75mm Skid Spacers	Each
SS100	75mm Skid Spacers	Each





Bulldog Grips

A low cost method of mechanically splicing pile cages together.

18mm – 40mm available to suit 16mm-40mm bar.



Product Code	Description	Bar Diameter	Unit
BDG18	18mm Bulldog Grips	To join 18mm bars	Each
BDG20	20mm Bulldog Grips	To join 20mm bars	Each
BDG26.5	26.5mm Bulldog Grips	To join 25mm bars	Each
BDG34	34mm Bulldog Grips	To join 32mm bars	Each
BDG40	40mm Bulldog Grips	To join 40mm bars	Each

Inclinometer Casings

Lockable top caps and bottom caps also available.





Product Code	Description	Unit
IC70	70mm Inclinometer Casing	Per 2000mm
IC85	85mm Inclinometer Casing	Per 2000mm
ICC70	70mm Inclinometer Coupler	Each
ICC85	85mm Inclinometer Coupler	Each

Sonic Testing Tubes

Sonic testing pipe is a push fit solution dedicated for sonic test applications. Designed specially to be fixed to the rebar cage and encased in foundations such as board piles and diaphragm walls to allow for future testing of the concrete integrity by ultrasonic waves.





Pile Locators

Pile Locators are manufactured from relatively low density grades of expanded polystyrene. They offer a low cost, simple method of accurately forming guide walls for contiguous and secant piled walls.

The system can accommodate virtually any pile design. Curved and circular walls can easily be formed.





Pilecor

Pilecor is manufactured from high density Filcor EPS and is increasingly used during the construction of the connection between deep piles and basement slabs. The grade of EPS depends on the depth of the connection. See table below.

Filcor EPS Grades & Performance

Product Code	Grade	Compressive Strength	Maximum Concrete
PCOR100	Filcor 100	100 kN/m2	4.1
PCOR120	Filcor 120	120 kN/m2	5.0
PCOR140	Filcor 140	140 kN/m2	5.8
PCOR160	Filcor 160	160 kN/m2	6.6
PCOR190	Filcor 190	190 kN/m2	7.9



Reinforcement cage and two part Pilecor.



Pilecor in position on the reinforcement cage.



Securing straps to hold the Pilecor in place are attached to the cage.



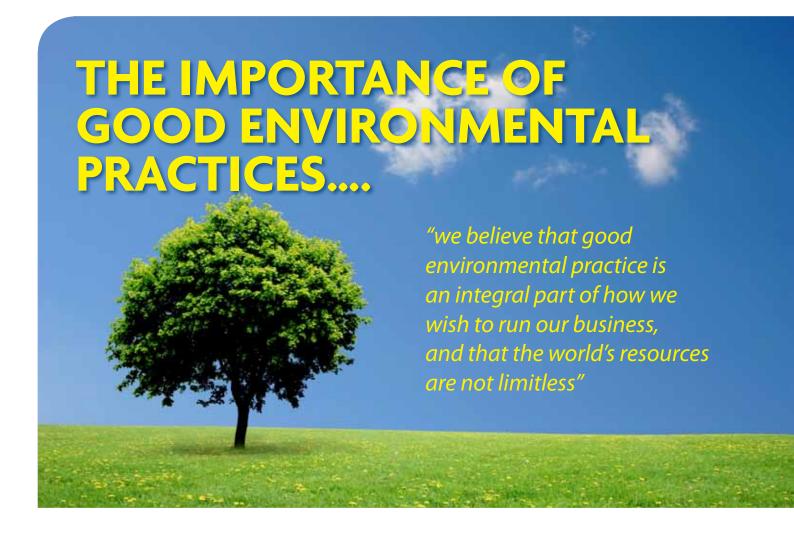
Concrete poured to form the pile.



Excavated to basement level, Pilecor Is removed and pile reinforcement exposed.



Connection of basement slab reinforcement.



Lemon Groundwork Supplies are totally committed to reduce the impact of its activities on the environment.

The key points of our strategy to achieve this are:

- Reduce scrap and waste by evaluating processes and operations to ensure that they are as efficient as possible
- Minimise emissions through the selection, maintenance, and use of our fleet vehicles, machinery and the source of utilities used
- Actively promoting recycling both internally and amongst our customers and suppliers, in respect of all our products and materials

- To source and promote a product range that minimises the environmental impact of both production and distribution
- To meet or exceed all the environmental legislation that relate to our company
- Use an accredited programme 'Green Achiever' in order to strive towards offsetting the greenhouse gas emissions generated by our activities

The company ethos is one of continuous improvement through to success.

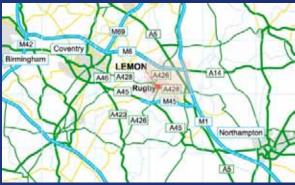
Paul Hart

Director



HOW TO FIND US.....





Midland Depot

Directions:

From M6 Junction 1, take the A426 towards Rugby. At 4th Roundbout take 1st left onto A426 Newbold Road. Take 1st turning on the left hand side, Hunters Lane. Lemon Groundwork Supplies is after 100 metres on the left hand side.

Lemon Piling division

Southern Depot (Head Office)

Directions:

From M25 Junction 29, take the A127 Eastbound towards Southend. Take A1245 Junction (signposted Chelmsford). At the 1st roundabout, take 1st Left onto the A129. Next roundabout take 1st Left onto Hodgson Way, then left into Russell Gardens. Lemon Groundwork Supplies is after 500 metres on the left hand side.



Call our Specialist Piling Division NOW on 01268 571550 or email piling@lemon-gs.co.uk



Division of Lemon Groundwork Supplies

Head Office & Southern Depot

Lemon Works, Russell Gardens, Wickford, Essex SS11 8BH Tel: 01268 571571 Fax: 01268 571555 Email: wickford@lemon-gs.co.uk

Midland Depot

Hunters Lane, Rugby, Warwickshire CV21 1EA Tel: 01788 571571 Fax: 01788 571888 Email: rugby@lemon-gs.co.uk

Piling Department

Lemon Works, Russell Gardens, Wickford, Essex, SS11 8BH Tel: 01268 571550 Fax: 01268 571555 Email: piling@lemon-gs.co.uk www.lemon-gs.co.uk/piling







