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Product Brochure V3.16

CATALOGUE

GLOBAL SOURCE

المشروع | الشامل

مؤسسة
المنبع الشامل
للتجارة



**TOTAL SUPPORT
FOR THE
CONSTRUCTION
INDUSTRY !**



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www.globalsourceksa.com

CONTENTS

PAGE

04

About Us

PAGE

09

Principles

PAGE

12

Mission & Vision

PAGE

13

Projects

Products

PAGE

14

Precast and Construction Accessories

PAGE

28

Infrastructure Line Accessories

PAGE

34

Plastic Welding

PAGE

38

Material Testing Equipment

PAGE

42

Consumables & Safety Equipments

PAGE

52

Special Products

PAGE

54

Index page



...is a company specialized in catering to the supply needs of specialized construction materials such as Pre-cast Concrete Production Accessories, Various kinds of manhole Accessories, Plastic Welding Equipment, Material Testing Equipment, Safety and PPE, Abrasives etc.

A Solution Provider, not merely a Product Supplier.

With an International Supplier Base of the best in their respective fields, a Qualified Professional Management, an average Industry Experience of more than 30years in the Top Management, a blend of Youth and Experience and a sincere and dedicated staff, we assure you of Services par Excellence, Prompt Delivery, Competitive prices and products that are in adherence to International standards.

Specialized Construction Material?

Ask us

From a strand of Tie Wire to Complex Machinery for Welding Plastic Sheets, from a Common Nail to Accessories for your Sewer Manhole Systems, from a trowel to systems for mobilizing your Pre-cast Concrete, from jute cloth to Acoustic Panels and so on, you shall never have to look beyond GLOBAL SOURCE for 'solutions to your sourcing problems'. So, Go ahead, Optimize the productivity of your efforts and maximize the returns of your procurement decisions, join hands with us and simply source unlimited...



FROM THE CHAIRMAN'S DESK

PRESIDING OVER THE ORGANIZATION, WATCHING IT GROW FROM ITS HUMBLE BEGINNINGS TO BECOMING A FORMIDABLE NAME IN THE VARIOUS SECTORS IT OPERATES HAS BEEN A VERY DELIGHTFUL JOURNEY, A JOURNEY OF DECADES WITH EXPERIENCES THAT HAVE ALWAYS MADE US BETTER. AND AS WE MOVE AHEAD, WE STRIVE TO GROW FURTHER AND BROADEN OUR MARKET REACH AND PENETRATION, AND OFFERING A MORE COMPREHENSIVE LINE-UP OF PRODUCTS AND SERVICES TO OUR VALUED CLIENTS.

THE FUNDAMENTAL PILLAR OF OUR SUCCESS HAS BEEN MY TEAM OF EMPLOYEES. OUR BUSINESS VALUES OF RESPONSIBILITY, TEAMWORK AND HUMILITY ARE DEEPLY ENGRAINED IN TO OUR SYSTEMS AT GLOBAL SOURCE , WHICH IS REFLECTED IN EACH OF MY EMPLOYEES.

OUR WIDE AND STRONG INTERNATIONAL SUPPLIER BASE INCLUDING AGENCIES OF MULTINATIONAL COMPANIES HAS BEEN HELPING US IN PROVIDING QUALITY PRODUCTS AND PROFESSIONAL SERVICES TO THE CONSTRUCTION & MANUFACTURING INDUSTRIES.

WE ARE SPECIALIZED IN FIELDS SUCH AS PLASTIC WELDING APPLICATIONS, CONCRETE LIFTING SOLUTIONS REQUIRED IN THE PRECAST FACTORIES AND CONSTRUCTION PROJECTS, MANHOLE ACCESSORIES FOR ALL TYPES OF MANHOLES, COATED STEPS OF DIFFERENT TYPES USED IN THE SEWER AND WATER MANHOLES, SAFETY ITEMS AND PERSONAL PROTECTION EQUIPMENT USED IN THE CONSTRUCTION AND MANUFACTURING INDUSTRIES, DIAMOND CUTTING TOOLS, FASTENERS AND DRILLING SOLUTIONS FOR VARIOUS INDUSTRIAL APPLICATIONS, ABRASIVE BELTS, DISC AND ROLLS ETC. AND MANY MORE TO NAME.

OUR CUSTOMERS, THE QUALITY OF MATERIALS WE SUPPLY, TIMELY DELIVERY AND PROPER AFTER SALES SERVICE HAVE EARNED US AN EXCELLENT REPUTATION IN THE MARKET AND, GOD WILLING, WE ASSURE THAT WE WILL DO OUR BEST TO PUSH OUR GOOD REPUTATION TO BE BETTER AND BETTER IN THE FUTURE AS WELL.

MOHAMED SHAWI AQLA AL ANAZI (CHAIRMAN)



**MOHAMED SHAWI AQLA AL ANAZI
(CHAIRMAN)**

“

If we don't take care of our customers, someone else will.

GLOBAL SOURCE

is a leading supplier of Construction Material and Allied Products.

Customers don't expect you to be perfect. They do expect you to fix things when they go wrong. ”

OUR GUIDING PRINCIPLES

Reward for Value

Our business model holds us accountable for achieving results. And these results are not merely measured in Sales figures, we must produce value, we must bring a smile on our client's face.

Continually move the yardstick to a higher level than where it was previously. Whether products, whether the services we offer, we keep trying to identify segments in the process where we can still improve and that is a continuous process.

Exceed Expectations

Treat People Like People

People are not just employees, store-keepers, accountants, customers, suppliers etc... People are after all People irrespective of the role that they have donned. Treat People Well. Respecting them is a primary objective.

There is no compromise on what is committed

Always with Integrity



You shall never have to look beyond GLOBAL SOURCE for **'solutions to your sourcing problems'**. So, Go ahead, Optimize the productivity of your efforts and maximize the value of your wealth, join hands with us and simply source unlimited...

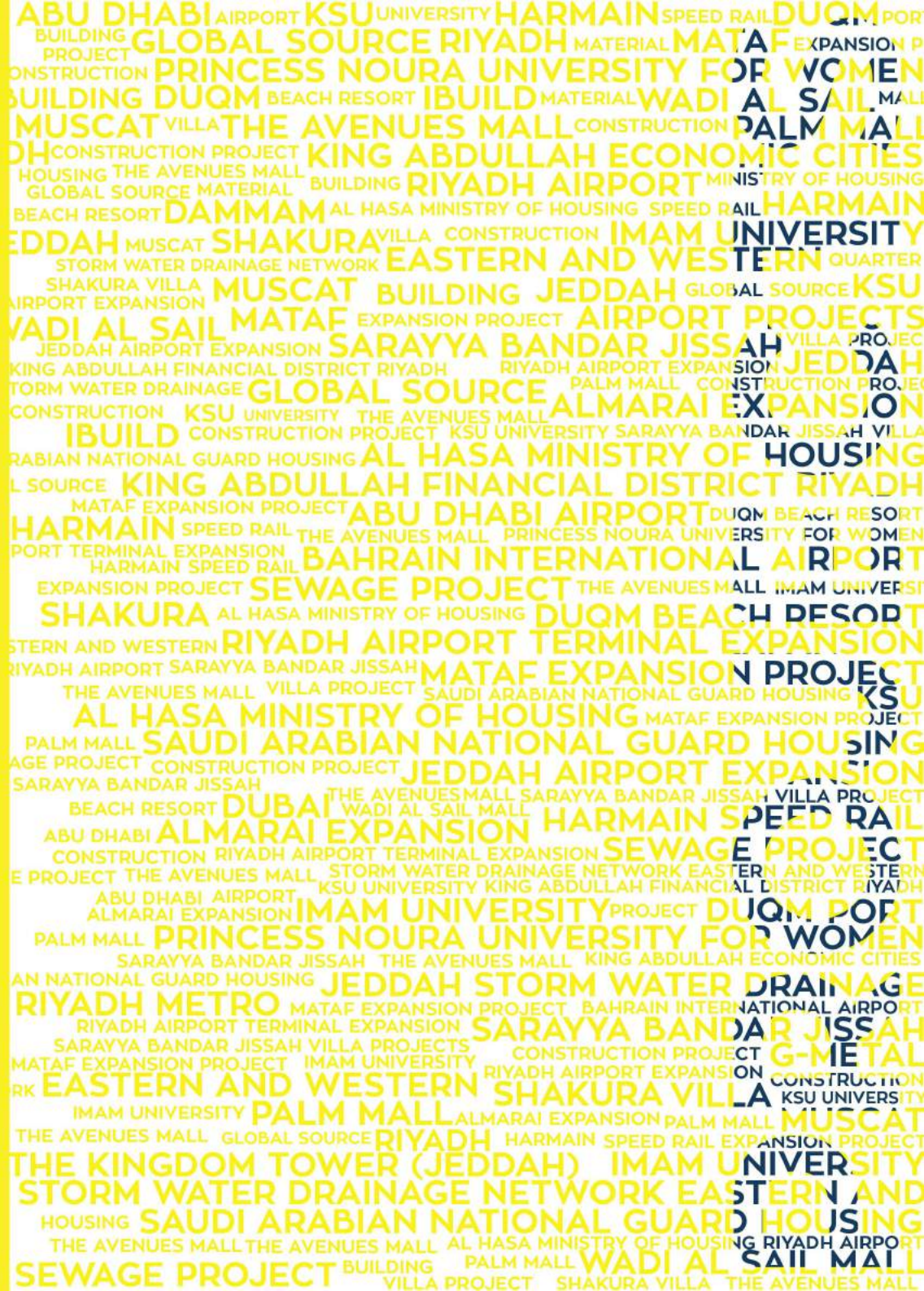
Our various **Specialized products** and Procurement Services include and are not limited to:

- Specialized items for Construction Industry
- Manhole Accessories
- Pre-cast Concrete Production Accessories
- Plastic Welding and Fabrication Tools, Consumables and Accessories
- Material Testing Equipment
- Metal Welding and Fabrication Tools, Consumables and Accessories
- Industrial Machinery and other consumables
- Power tools / Industrial tools
- Fasteners, Bolts
- Building Material
- Abrasive Discs and Belts
- Lifting and Hoisting Equipment
- Safety and Personal Protection Equipment (PPE)
- Acoustic Tiles and Panels

Maximise Optimise Associate

To become an international service oriented company catering to the needs of organizations involved in construction and allied activities.

To be and remain amongst the top five service providing companies in the construction sector in terms of Sales turnover, Projects Participation and Employee Satisfaction over the next five years.



PRECAST AND CONSTRUCTION ACCESSORIES



Precast & Construction Accessories

LIFTING SOCKET

Lifting socket provides the most effective method of lifting and fixing precast concrete elements. There are many kinds of fixing sockets. These strong steel tubular sockets are supplied with a through hole below the thread to take a reinforcing bar, located and tied to the main reinforcement in order to provide a secure anchorage point in the concrete. Available in zinc plated steel or stainless steel.

Load t	Model d x h	D mm	A mm	E mm
0,5	Rd 12 x 40	16	8,0	22
0,8	Rd 14 x 48	18	10,0	25
1,2	Rd 16 x 54	21	13,0	27
1,6	Rd 18 x 65	25	13,0	34
2,0	Rd 20 x 70	27	16,0	35
2,5	Rd 24 x 80	32	17,0	43
4,0	Rd 30 x 100	38	21,5	56
6,3	Rd 36 x 125	48	25,0	69
8,0	Rd 42 x 140	54	30,0	80
12,5	Rd 52 x 170	70	38,0	97



LIFTING LOOPS

Lifting loops are interrelated lifting components which are used in the pre-cast concrete structure manufacturing and building industries to aid transportation and placement of structural components conveniently and safely. Lifting loops are manufactured from wire rope clinched firmly into an externally threaded steel ferrule.

Round Thread	Rope ø mm DIN 3060	Safe Working Load	H mm
Rd 12 x 22	6	0,5	155
Rd 14 x 24	7	0,8	155
Rd 16 x 27	8	1,2	155
Rd 18 x 34	9	1,6	190
Rd 20 x 35	10	2,0	215
Rd 24 x 37	12	2,5	255
Rd 30 x 50	16	4,0	300
Rd 36 x 65	18	6,3	340
Rd 42 x 70	20	8,0	425
Rd 52 x 80	26	12,5	480

FIXING SOCKETS

(Socket dowel with Cross Hole)

Fixing sockets are used to fix lightweight precast concrete elements and it can be nailed to wooden formwork. For transmission of load a rebar has to be inserted through the cross-hole.



Size	Size
6 X 40	16 X 100
8 X 50	16 X 100
10 X 50	20 X 100
12 X 60	20 X 120
16 X 80	24 X 120
	30 X 150



FIXING SOCKETS

(Socket dowel with Angular End)

Fixing sockets with angular ends do not require a rebar to be inserted through the socket for transmission of load, the angular end will allow for transfer of load without the need of reinforcement.



WIRE ROPE LIFTING SYSTEM

The Wire Rope Lifting System is an economical lifting loop for utility type structures. It is used in either face or edge lifts applications and is inserted into the surface of the concrete. The galvanized wire rope is formed in a figure-8 shape, with the ends of the rope secured by a positive swaged clamp. The Wire Rope Lifting System is embedded 2/3 of its length into the concrete. The hardware must be standard hook or clevis with a diameter at least twice the rope diameter. Each anchor has a color coded tag which identifies the SWL (safe working load).

Features

- 7 standard sizes-handles most precast applications up to 10,000 lb SWL.
- Mucked into surface - no recess members required by the precaster.
- Uses standard jobsite Crosby Hooks - no hardware purchases required by precaster.
- Galvanized wire rope - reduces rusting of the anchor.
- Can be cut off or left exposed - reduces labor cost for precaster.
- Economical - for the 'cost conscious' precaster.



SPECIAL LIFTING LOOP

Special Lifting Loops or 8 type Lifting Loops are a popular lifting system where the operator can use the same loop to lift the Precast element vertically up or also, to tilt the element to an angle of 90° from the casting bed before the vertical lift.

Metric Thread	Round Thread	Safe Working Load †	Length mm	Rope ø mm	ø Supporting Surface
M 12	Rd 12	0,5	335	8	25
M 16	Rd 16	1,2	385	8	25
M 20	Rd 20	2,0	470	10	45
M 24	Rd 24	2,5	550	12	45
M 30	Rd 30	4,0	590	16	45
M 36	Rd 36	6,3	780	18	75
M 42	Rd 42	8,0	860	20	75
M 52	Rd 52	12,5	1080	26	75

LIFTING SHACKLE

The Lifting Shackle is used as lifting device with the Lifting anchor system. Coupling on/off can be made easily manual with one hand. This Lifting device can be applied for axial, diagonal and lateral loadings. The Lifting Shackle consists of resistant forged steel and is galvanized. The worked in claws help to lift the anchor head. The coup lung section for hook and shackle suits for all areas of application because of the flexible design.

Art. No.	Load t
1510	1,0 - 1,3
1512	1,5 - 2,5
1514	3,0 - 5,0
1516	6,0 - 10,0
1518	12,0 - 20,0
1522	32,0



RECESS FORMERS

The various anchors used in precast are installed with a rubber recess former. The former allows the lifting clutch to fit over the installed anchor. The formers are installed on the mould by provision of a bolt or fixing plate and can be easily removed along with the demoulding process post casting. The rubber recess formers are reusable and economical.

Art. No.	Load (Tons)
RR1	2.5
RR2	5.00
RR3	10.00
RR4	26.00

RING CLUTCH

The Ring Clutch consists of a clutch body, a curved bolt and a high-strength bail. Installation and release is safe and simple. After the clutch is inserted over the anchor head and into the recess, the curved bolt is rotated into the closed position. Rotation of the standard bail is a full 360°. Once engaged and supporting four hundred pounds of load, the ring clutch cannot be released.

Art. No.	Load t
TPA-R1 - 1,25	1,2
TPA-R1 - 2,50	2,5
TPA-R1 - 5,00	5,0
TPA-R1 - 10,0	10,0
TPA-R1 - 26,0	26,0



ERECTION ANCHOR

Erection Anchors are anchors with specially shaped anchor heads that allow for pitching or turning loads to be taken by the anchor and not be transferred to the precast element, hence preventing spalling of concrete.



TWO HOLE ANCHORS

The Two - Hole anchor is simple , but for universal use. This allows the lifting of very thin and/or low concrete compressive strength panels. The load is distributed into the concrete by the reinforcement rebar inserted through the bottom hole which distributes the tension forces, developed from the lifting process, deep into the precast concrete.



Art.-no.	Load t	Length l mm	Wide b mm	Thickness c mm	ø Hole mm	Weight kg/100
TPA-Z-0,7-09	0,7	90	30	5	14 x 20	9
TPA-Z-1,4-09	1,4	90	30	6	14 x 20	10
TPA-Z-2,0-09	2,0	90	30	8	14 x 20	14
TPA-Z-2,5-09	2,5	90	30	10	14 x 20	17
TPA-Z-3,0-12	3,0	120	40	10	18 x 22	31
TPA-Z-4,0-12	4,0	120	40	12	18 x 22	37
TPA-Z-5,0-12	5,0	120	40	15	18 x 22	46
TPA-Z-5,3-16	5,3	160	60	12	26 x 26	72
TPA-Z-7,5-16	7,5	160	60	16	26 x 26	96
TPA-Z-10,0-17	10,0	170	60	20	29 x 29	136
TPA-Z-14,0-24	14,0	240	80	20	35 x 35	256
TPA-Z-22,0-30	22,0	300	90	25	35 x 35	409
TPA-Z-26,0-30	26,0	300	120	30	35 x 46	720



EXPANSION ANCHOR

Expansion anchor are mechanical anchors which are locked into the precast element using a mechanical wedging effect at the end of the fastener.

(I) WEDGE ANCHORS

Wedge anchors are used to anchor fixtures on the concrete like structural steel, facade, hand rails, mechanical equipment, pipe supports, windows, escalators, elevators etc.

* For availability of other sizes, contact sales executive.



Ref	Size
WA 1090	M10 X 90mm
WA 1120	M10 X 120mm
WA 2100	M12 X 100mm
WA 2120	M12 X 120mm
WA 2150	M12 X 150mm
WA 2180	M12 X 180mm
WA 6150	M16 X 150mm
WA 6185	M16 X 185mm
WA 6200	M16 X 200mm
WA 6220	M16 X 220mm
WA 2150	M20 X 150mm
WA 2175	M20 X 175mm
WA 2200	M20 X 200mm
WA 2250	M20 X 250mm
WA 2425	M24 X 250mm

(II) SLEEVE ANCHORS

Sleeve anchors consists of a sleeve over a threaded rod , a nut and a washer, tightening the nut expands the sleeve and hence is anchored securely into the element.



Ref	Size
SA 110	10 X 100mm
SA 212	12 X 120mm
SA 210	12 X 100mm
SA 615	16 X 150mm
SA 2125	20 X 125mm
SA 217	20 X 170mm

* For availability of other sizes, please contact us.

CONNECTING LOOP

Connecting Loops are single wire loops used in the precast industry for connecting precast wall panels to each other, or to a column.

Art. No.	Size (mm)	Wire Size
CL1	80	6mm
CL2	100	6mm
CL3	120	6mm
CL4	140	9mm



CAST-IN CHANNEL

Cast-in channels are connection systems that can be adjusted according to requirement, purpose or functionality with the help of T-head bolts, they can be used in both cast in-situ and also precast concrete, and are easy to install. They are majorly used for fixing of facade products, angled panels, beam to precast connections, framing applications etc.



STEEL CHAMFER

Steel Chamfers are reusable and durable. They are designed to create beveled edges on the corners and faces of concrete wall panels and small concrete products.

Form	Measurement (mm)	Packing (pcs)
Triangle	5*5	100
Triangle	10*10	100
Triangle	15*15	50
Triangle	20*20	50
Triangle	25*25	50
Triangle	30*30	50



POST -TENSIONING DUCTS

Post tensioning ducts are widely used in the construction industry, mainly as grout tubes. These ducts form a conduit to accommodate post-tensioned element and provides annular space for the grout.

SA-TS-G					
Dia Φ mm	L1 Std	L2 m	Dia Φ mm	L1 Std	L2 m
40	6	3	85	6	3
45	6	3	90	6	3
50	6	3	95	6	3
55	6	3	100	6	3
60	6	3	105	6	3
65	6	3	125	6	3
70	6	3	150	6	3
75	6	3	180	6	3
80	6	3	205	6	3

WHEEL SPACER

The Wheel Spacer has been designed as a strong and lightweight reinforcement spacer for vertical and horizontal precast concrete construction. Locking hub keeps wheels in place during placement of steel or pouring of concrete, and provides minimal contact with form. Designed to allow unimpeded concrete flow through the spokes and with small contact members to assure the minimum contact to the formwork and assure a maximum load capacity.

Description	Cover (mm)	ΦSteel Bar (mm)	Packing (pcs)
Wheel 20	20	6-20	1000
Wheel 25	25	6-20	1000
Wheel 30	30	6-20	1000
Wheel 40	40	6-20	500
Wheel 50	50	6-20	250
Wheel 75	75	8-24	125
Wheel 100	100	8-24	125



CHAIR SPACER

The chair spacer offer support for many different steel sizes. This spacer is the most popular spacer for horizontally placed reinforcement in slabs and beams. It has good stability and can be used with bars of various diameters due to its concave seat. Designed for light reinforcement in slabs and beams.

Description	Cover (mm)	ΦSteelBar (mm)	Packing (pcs)
Chair20	20	All Sizes	2000
Chair25	25	All Sizes	2000
Chair30	30	All Sizes	2000
Chair40	40	All Sizes	1000
Chair50	50	All Sizes	1000

SHIM PADS

Shim pads are polymer pads catered to the precast industry where it is used to align heavy precast concrete sections and also as a medium to avoid concrete to concrete connections at joints of the structure, they are also used to align heavy steel sections. The shim pads are designed to withstand high loads without distortion or breakage.

The shim pads aid the installation of various structural or architectural members and are available in sizes of,

Art. no.	(mm2)	Thickness (mm)
GS 17	70 X 70	2
GS 18	70 X 70	3
GS 19	70 X 70	5
GS 20	70 X 70	10



HOLLOW CORE PLUGS

Hollow core end caps are grout stoppers placed at the slab ends to prevent the pouring of mixture into the cores during grouting the slabs. It also prevents any foreign bodies entering the cavities of the hollow core element, while the elements are in waiting at the Factory premises or Construction sites. They are easy to install, cost effective and an improvement over traditional methods such as using Thermocol cut-outs which is time, labour and money consuming.

Art. no.	Slab Size (mm)
GH 1	150
GH 2	200
GH 3	265
GH 4	320
GH 5	400
GH 6	500

FOUR LEGGED SPACER

Four legged spacer are modified chair spacers made of plastic used for precast and on site concrete applications. These spacers are tough and are designed for both vertical and horizontal reinforcement.



Type	Concrete Cover	For steel Dia
PS 20	20 mm	6 - 20 mm Φ
PS 30	30 mm	6 - 20 mm Φ
PS 40	40 mm	6 - 20 mm Φ
PS 50	50 mm	6 - 20 mm Φ
PS 60	60 mm	6 - 20 mm Φ

CLIP SPACER

A Clip spacer is a very strong plastic, designed for supporting a minimum load of 100 kg according to German performance class L2 (1KN) each and for bar diameters from 6m/m. The clip spacers can be used for various applications in horizontal positions in pre-cast or in situ concrete.



Description	Cover (mm)	Φ SteelBar (mm)	Packing (pcs)
Clip20	20	6 - 32	2000
Clip25	25	6 - 32	2000
Clip30	30	6 - 32	2000
Clip40	40	6 - 32	1000
Clip50	50	6 - 32	1000
Clip75	75	6 - 32	500

PLASTIC CHAMFER

The Plastic Corner Chamfer are widely used to form chamfered edge and angled groove lines, various area such as Column, Canopy, Rain water drip line and also for concrete piles construction.



BACKUP RODS

Backup rods are the flexible, readily compressible, open-cell polyurethane backup strip for silicone sealants. These materials are used to achieve correct depth of the sealant and act as a bond breaker, avoiding adhesive sealant to the bottom of the joint. It cures under the influence of atmospheric moisture to form an elastomeric material with adhesive properties, in some cases without the need for priming of the substrate.



Features of PU Rod

- Excellent resistance to wear.
- A wide range of hardness (10A-73D).
- Operating temperature range is from -40°C to 80°C.
- Good tear resistance and high flexural strength.
- Good flexibility and a small range of deformation after a long-term compression. Particularly good resistance to age.

Uses

An elastic joint sealant on cement based substrates such as:

- Expansion joints in buildings and civil structures above and below ground.
- Joints in precast concrete elements, such as facades and tilt-up panels
- External walling and cladding joints.
- Curtain walling
- Retaining walls.



Diameter (mm)	Packing in mtrs (packed as bundles)
05	800
10	800
15	360
20	200
25	100
30	100
35	100
40	100
50	75



INFRASTRUCTURE LINE ACCESSORIES



STEPS [PE COATED MANHOLE LADDER STEPS]

Step rungs are produced by plastic coating (either PE or PPCP water and impact resistant reinforced plastic) on metal bars of optional sizes and grades like corrugated steel, stainless steel, aluminium bars and pipes. They are used and preferred in waste water removal system, pools, manholes, etc. due to their easy assembling and corrosion and impact resistance.

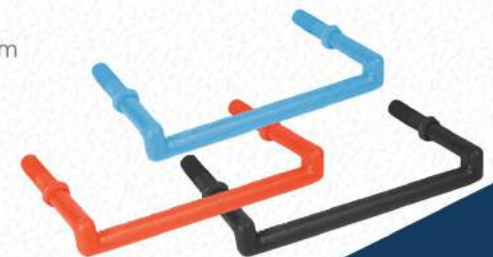
We offer the highest quality of manhole rungs [ladder steps] of various metals like stainless steel, aluminium and galvanized steel or any other metal, as per demand. These steps are exported the world over and are known for their superior quality and custom made designs.

Our Manhole Rungs are:

- Safe
- Flexible and Durable
- Meeting International Health and Safety requirements
- Superior appearance
- Consistent in weight and meeting ASTM and DIN standards

What sets us apart from our competitors?

- Covered with plastic to provide protection from all types of corrosive environments.
- Superior Resistance, in excess of international standards
- Spark-proof - polymer covered
- High impact resistance
- Extremely easy to install and completely cost effective
- No sharp edges or corners and anti-slip surfaces
- Our manhole steps and Hand Bars are designed in order to be installed into a depth of 70mm.
- Extra Wide - steps width - 330mm



Product Range: Rungs / Steps -"A" Type (According to DIN 19555)



STAINLESS STEEL STEP
Product Code: ST SS 014
Weight 1.350 kgs



ALUMINIUM STEP
Product Code: ST AL 016
Weight 0.630 kgs



GALVANISED STEEL STEP
Product Code: ST GS 018
Weight 1.350 kgs

SPECIFICATION: Dowel Distance 330mm Leg Length 220mm
Shoulder Length 45mm Core material 16mm DIA
Plastic Encapsulation 2 to 5mm

Product Range: Rungs / Steps -"B" Type (According to DIN 19555)



STAINLESS STEEL STEP WITH REFLECTORS
Product Code: ST SS 020
Weight 1.425 kgs



ALUMINIUM STEP WITH REFLECTORS
Product Code: ST AL 021
Weight 0.675 kgs



GALVANISED STEEL STEP WITH REFLECTORS
Product Code: ST GS 022
Weight 1.425 kgs

SPECIFICATION: Dowel Distance 330mm Leg Length 220mm
Core material 16mm DIA plastic Encapsulation 2 to 5mm

INSTALLATION

1



Drill two holes of 25mm with a masonry drill bit. The holes should be kept in parallel (330mm distance) and 70mm deep.

2



Insert the washers on either ends of the step.

3



Drive the step into the holes evenly with a sledgehammer. Do not hit the step in the centre.

4



The steps must be at a 15cm distance from the wall /surface.

5



Use a mercury scale to check the angles of the step. And move the Washers to place

The step is now installed. There are several other ways of installing the step as per the site condition. While installing with epoxy cement / quick setting cement make sure the step is used only after it is set.

WARNING TAPES

DETECTABLE WARNING TAPES - GLOBAL DWT®

Global Source supplies a range of Detectable Warning Tapes under the brand-name Global DWT®. Detectable Warning Tapes are corrosion-resistant, designed for the protection and location of non-metallic or low metal underground cables and pipes. The detectability of this tape gives the operator on the job site a more simplified and practical method of locating buried cables / pipes.

All Global DWT® tape meets or exceeds the industry standards including the American Public Works Association (APWA) color code. Detectable tapes consist of a 9 micron solid foil core coated by a protective jacket which has sufficient strength to prevent separation by hand. The material and ink colours will not change when exposed to alkalis, acids and other destructive chemicals usually found in the soil - it is chemically inert. It is a permanent ink and cannot be removed by normal handling or upon long term underground burial.

Global DWT® is coded as per the APWA but can be prepared as per the client's / project-owner's choice of colour. For further information, please get in touch with us, we shall be glad to serve you.



Color Code (As per APWA)

BLUE	Water & Associated Lines
GREEN	Sanitary & Associated Sewer Lines
ORANGE	Telecommunication Lines
PURPLE	Reclaimed Water Lines
RED	Electric & Associated Lines
YELLOW	Gas & Associated Lines

NON-DETECTABLE WARNING TAPES - GLOBAL NDWT®

GLOBAL NDWT® Tape consists of a minimum 80 Microns (4 Mil) overall thickness. All raw materials are manufactured with lead free(organic) material. Constructed for prolonged use underground. All Global tapes meets or exceeds the industry standards including the American Public Works Association (APWA) color code.



Color Code (As per APWA)

BLUE	Water & Associated Lines
GREEN	Sanitary & Associated Sewer Lines
ORANGE	Telecommunication Lines
PURPLE	Reclaimed Water Lines
RED	Electric & Associated Lines
YELLOW	Gas & Associated Lines

T-LINER

T-Liner is an extra- tough, specially formulated plastic sheeting that locks mechanically into the interior wall of concrete sewer pipes, tunnels or manholes during manufacture or rehabilitation, providing a flexible corrosion barrier that will withstand decades of severe service. It's an unbeatable , cost-effective combination: the corrosive resistance of the T-Liner and the strength and durability of concrete.

Around the world, over 250 million square feet of T-Liner locked sewer pipe are in the ground. T-Liner helps protect the environment from harsh chemicals and oils that could otherwise pollute the ground. The T-Liner forms a chemical resistant barrier.

Size Details

- 260 cms x 140 cms x 1.65 mm
- 260 cms x 140 cms x 2.00 mm
- 260 cms x 140 cms x 3.00 mm



HDPE OR PVC

HDPE AND PVC are the most commonly used plastics for various civil works. But the choice of the plastic is solely based on the client who considers various factors including the weather, the nature of the medium that will come in contact with the plastics etc.

HDPE gives a stronger intermolecular force and tensile strength. It is also harder and more opaque and can withstand somewhat higher temperatures.

HDPE or High Density Polyethylene has a greater mass density than that of PVC.

PVC is a more flexible plastic and is an economical choice for working at lower temperatures.

PLASTIC WELDING



Plastic Welding

LEISTER
PLASTIC WELDING

GENERAL HOT-AIR APPLICATIONS

The flexibility of hot air in plastic welding is practically limitless. The most important applications are roof coverings, billboards and industrial fabrics, civil engineering, tunneling, disposal, plastic fabrication, plastic and linoleum flooring, plus shrinking and vehicle repairs. Leister offers a variety of different hand welding tools for each of these application areas.



ROOFING

Various materials and systems are available for sealing flat or pitched roofs. The majority of the materials processed to this end around the world consist of plastic geomembranes (PVC and TPO) or modified bitumen. The individual sheets are usually laid so that they overlap. Leister has the right tools for welding all these materials. Alongside welding machines, a variety of hand welding tools with matching nozzles and devices for testing the welding templates are available.



TECHNICAL TEXTILES / INDUSTRIAL FABRICS

It is impossible to imagine life today without billboards or industrial fabrics. Whether it is classic billboards on buildings or at events, tents, covers, tarpaulins, architectural structures or sunblinds: it is always a product which was more than likely welded with Leister tools. Leister has always been at home in this important market and boasts unique know-how accordingly. The development of new tools is a top priority for Leister in this application area too. Alongside welding machines, hand welding tools from Leister are utilized here as well, together with matching nozzles and Leister's legendary pressure rollers.





CIVIL ENGINEERING / TUNNELS / DISPOSAL APPLICATIONS

In civil engineering, tunneling, and disposal applications, the quality of the sealing system is the top priority. Any leaks can have fatal consequences. Therefore, it is incredibly important that the processing quality fulfills extremely stringent requirements. Not only the material itself and the processor are responsible for this – in large part, so is the tool used to carry out the work.



PLASTIC FABRICATION

Thermoplastics are being used more and more for storing a huge range of liquids or for manufacturing what can be complex process equipment, such as fans or pumps. Plastic's resistance to corrosion and material strength are usually the reasons why it is used. In addition, the price of a part made from plastic is lower than that of one made from metallic materials.



FLOORING

Whether in public spaces, hospitals or a domestic setting: Floor coverings made from PVC-P vinyl, PE or linoleum are clean and easy to care for, making them really popular. With Leister tools, the process of connecting panels or sheets is clean and simple. The full range in this application area covers groove cutters, hot-air welding machines, and a wide spectrum of hand welding tools and accessories.



PLASTIC WELDING RODS

A plastic welding rod, also known as a thermoplastic welding rod, is a rod with circular or triangular cross-section used to bind two pieces of plastic together. They are available in a wide range of colors to match the base material's color.

Type of Plastic Welding Rods include ABS, FEP, LDPE, PP, HDPE, Petg, PVDF, PFA, PVC & PU Welding Rod.



PLASTIC WELDING STRIPS

Plastic Welding Strips are specially formulated strips for the purpose of Welding of parent plastics and are supplied in HDPE and PVC material based on the client's requirement. The installation is done either by Hot Air Welding or Extrusion Welding. It is highly recommended to use Extrusion Welding to install these strips in order to make the work faster and the adhesion better.

For Hot air welding, you would need a Hot Air Blower, a One Arm Pressure Roller and a Quarter Moon Knife. For Extrusion Welding, an extrusion welder will be sufficient. Also refer to the plastic welding tools section to learn more about these tools for installation of Plastic Welding Strips.



MATERIAL TESTING EQUIPMENT



Cylinder Mould



Cube Mould



3 Gang Cube Mould



Volumetric Flasks



Slump Cone Test Set



Sieve Shaker



Concrete Core Drilling Machines



Compression Machine



Thermometer



Measuring Trays/Pans

OTHER EQUIPMENTS

Team Global

Material Testing Equipment

GLOBAL SOURCE



Air Entrainment Machine



Electronic Vicat



Curing Tanks



Measuring Cylinder



Scoop



Sample Splitters



TDS & pH Meters



Flakiness Gauge



Triple Beam Balance



Elongation Gauge



Schmidt Hammers



Laboratory Drying Oven



Digital Balances



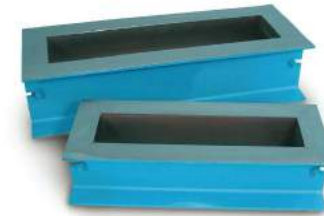
Density Basket



Flow cone



Water Permeability Apparatus



Beam Mould



Cylinder capping retainer steel & pad



Sieve



Vicat



Specific gravity frame



RCP apparatus

DRILL BITS

Twister plus

- **New concrete breaker tip.**
Self-centering tip. 160° angle. Maximized chiseling effect and spalling of the concrete.
- **Square spiral**
Combining a compression channel with a depression chamber gives an instant result: perfectly controlled dust removal!
- **SDS-plus Attachment**
Adjustable for all SDS-plus hammer machines



Booster plus

- **Perfect holes.**
The 120° angle guarantees perfect concentric holes (3x120°= 360). The booster enables straight drilling.
- **Dust Removal**
The square flute design, combines a high pressure channel with a low pressure chamber, enables a better dust removal. Its strengthened body reduces vibrations during drilling.
- **Hammering power**
The heat treatment under controlled atmosphere and the optimized ground geometry enables to generate a profile of hardness which restores the full hammer effect and power of the machine.



- RELIABILITY
- LONG LIFE
- HARDNESS



DIAGER®

B3max

- **Booster head**
Triple cutting edges.
Drills through reinforced concrete.
- **Flute**
3 flutes that combine a compression passage and depression chamber to accelerate the expulsion of dust.
- **SDS-max shank**
Booster technology with SDS- max shanks



Standard

- **Features**
116° angle.
High speed steel.
Laminated drill bit
Black finish
- **Benefits**
Current works.
Usual drilling in soft steel



- Steel
- Zamak
- Graphite



DIAGER®

Cobalt 5%

- **Features**
135° angle.
Split point sharpened.
High speed steel with 5% cobalt.
Ground drill bit.
- **Benefits**
Cobalt mixed with steel.
Reduce the drill overheating and allows drilling in hard steels such as stainless.



- Stainless steel
- Steel
- Zamak
- Bronze
- Graphite



Fasteners

- Diager offers a multitude of fasteners for varied applications covering Chemical and Mechanical Anchoring.
- Diager boasts of an inventory consisting of ETA approved anchors for Heavy Duty Fixing, Concrete Screws, Insulation Anchoring, Wall Plugs among various other fasteners catering to the construction industry.



HOLESAWS BIT



FLAT CHISEL



ULTIMAX



CERAMIC BIT



MULTIMATERIAL BIT



TORX BIT



GRANITE BIT



HELICAL CHISEL



WOOD AUGER



High Quality Abrasives from VSM

Global Source, in association with VSM Abrasives offers the highest grade of abrasives for Polishing, Sanding, Grinding etc.



With over 140 years of experience VSM is one of the global leaders in the abrasives market. Coated abrasives are VSM's core competence.

VSM stands for **HIGH PERFORMANCE**

VSM stands for **COMPETENCE**

VSM stands for **RELIABILITY**

VSM's company performance is consistently on a very high level. VSM's customers can be sure to get excellent quality every time.

VSM Abrasive Belts



VSM Sanding Discs



VSM Jumbo Rolls



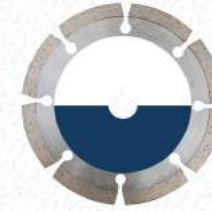
VSM Flap Discs



DIAMOND DISC

Segmented Type

Faster cutting action - Diamond blade manufactured utilizing this technology is much more aggressive than your conventional blades. They cut faster, Still leaving behind a smooth finish.



Marble Cutting Type

Diamond Blade Segmented for Marble 300, 350, 400 & 500mm Usage with floor mounting machine.



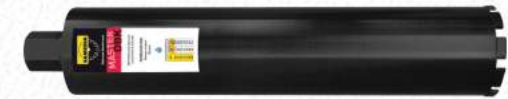
Turbo Type

The Turbo shape of diamond layer gives an air-cooling effect during cutting and also speeds up the process without chipping. Cuts tile, brick, block, concrete, slate and natural stone accurately and cleanly. Cost-effective, long lasting and provides consistent results without chipping.



CORE BIT

SAMEDIA GERMANY is one of the largest manufacturers of high quality diamond tools since 1961 in Germany and Belgium. DBK diamond core bits is one of the best seller and produced by laser welding which delivers very high performance and resistance to the core bit. A 10mm high diamond segment fully designed and developed in Germany. ROOF TOP and CASTELLATED special segments are used by Samedia to produce world's fastest diamond segment.



METAL CUTTING WHEEL



METAL GRINDING WHEEL



STONE CUTTING WHEEL



STONE GRINDING WHEEL



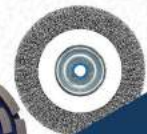
GRINDING CUP STONE



DIAMOND CUP WHEEL



STEEL WIRE WHEEL BRUSH



GSAFE SAFETY SHOES

GSAFE Safety Shoes are a combination of Economy and Safety. While stiff price competition has actually taken the safety out of the Safety Shoes, we at Global Source understand the purpose of a Safety Shoes and have maintained it's functionalities while trying not to burden the client's expenses.

Basic Safety Model 003 EN ISO 20 347

- Comfortable Shoe with Buff Split Barton Leather.
- Ankle protecting with Cushion Padded Collar.
- Breathable Textile Cambrelle Lining 160 GSM with Cushion Laminated (Sweat Absorber).
- Removable Insole, Antistatic Property.
- Double / Single Density Polyurethane Sole.
- Shock Absorption.

Safety S1 Model 003 EN ISO 20 345

- Including 200J Toe Cap Protection

Safety S1P Model 003 EN ISO 20 345

- Including 200J Toe Cap Protection & 1100 N Steel Mid Sole
- Size Range : 38-48



GSAFE SAFETY HELMETS

GSAFE Safety Helmets absorbs much of the force of impact, during a fall or crash that would otherwise be directed to the head. In certain models, thick plastic foam (firm polystyrene) inside the hard outer shell of a helmet provides protection that Cushions the blow. Global Source can offer helmets with your Company Logo printed on special non-removable stickers. Kindly get in touch with us to know more.



GSAFE REFLECTIVE SAFETY JACKETS

GSAFE Reflective Safety Jackets are used by people at work to enhance their visibility to others. These jackets are customized on the basis of different parameters under the supervision of skilled professionals. Our jackets provide high standards of reflection.



GSAFE COVERALLS

GSAFE Coveralls are widely used by workers. Apart from the primary function of being a Safety Product, it also serves as a uniform to the company using it. To enhance aesthetics, printing on garments can be done by us at reasonable rates. We use a number of different print processes allowing us to deliver exactly what our customers require from basic text to full colour logos or even pictures.



GSAFE SAFETY CONES AND SAFETY MESH

GSAFE Safety Cones and Safety Mesh are available in various sizes and colours depending on the application. Kindly discuss your application with us to enable us to offer you whatever you are looking for.



GSAFE EAR PLUGS

GSAFE Ear plugs are a relief while working in noisy environments. Loud noise not only interferes with your concentration at work, it can also cause hearing loss.



GSAFE DUST MASKS

GSAFE Dust Masks are a flexible pad held over the nose and mouth by elastic or rubber straps to protect against dusts encountered during construction or cleaning activities, such as dust from drywall concrete, wood, fiberglass, silica (from ceramic or glass production), or sweeping. Dust masks are a cheaper, lighter, and possibly more comfortable alternative to respirators.



GSAFE WORKING GLOVES AND WELDING GLOVES

GSAFE Working Gloves and Welding Gloves are amongst the best Working Gloves available in the market. The Working Gloves are 10.5" long, generally composed with Yellow Plain Rubberized Cuff, Yellow Plain Cotton Back and Thick Grey Cow hide Split Leather With Lining. The Welding Gloves are Red in Color made from Cow Split Leather with Full Lining and up to 16" long.



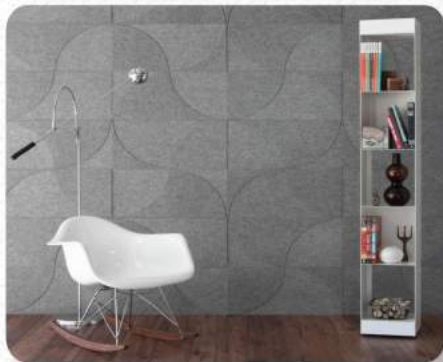
ACOUSTIC WOOD WOOL BOARDS (HEXBOARDS)

Acoustic wood wool boards are used for their insulation properties. They can be effectively used to insulate against both sound and heat. The boards are available in hexagonal shape hence allowing to be arranged and installed based on aesthetic needs.

The boards are available in various colors, shapes and are easy to install, the main components used for manufacture of the boards are wood wool, binder and water. These boards provide a thermal resistance of 0.81 m²K/W, and a sound absorption coefficient of 0.98 over wide band.

Key Features

- Light weight product.
- Easy and quick to install.
- Sound proof
- Heat proof
- Fire resistant
- Immune to organic infestation.
- Eco-Friendly



INDEX

Team Global

A	Abrasives	46	L	Lifting Socket	15
	Acoustic Wood	52		Lifting Loop	15
	Wool Boards			Lifting Shackle	18
B	Backup Rods	27	M	Marble Cutting Disc	47
	Booster Plus	43		Material Testing Equipments	38
	B3max	44	P	Post-tensioning Ducts	23
C	Cast-In Channel	22		Plastic chamfer	26
	Connecting Loop	22		Plastic Fabrication	36
	Chair Spacer	24		Plain Disc	47
	Clip Spacer	26		Plastic Welding Rod	37
	Civil engineering /Tunnels	36	R	Recess Formers	18
	Disposal Application			Ring Clutch	19
	Cobalt 5%	45		Roofing	35
	Core Bit	47	S	Special lifting loop	17
D	Diamond Discs	47		Sleeve Anchors	21
	Drill Bits	42		Steel Chamfer	23
E	Erection Anchor	19		Shim pad	25
F	Fixing Socket	16		Steps [PE Coated	29
	Four Legged Spacer	26		Manhole Ladder Step]	
	Flooring	36		Standard	44
	Fasteners	45		Segmented	47
G	General hot-air application	35	T	Two Hole Anchors	20
	Gsafe Safety Shoes	48		T-Liner	33
	Gsafe Safety Helmets	49		Twister Plus	43
	Gsafe Reflective Safety Jackets	49		Turbo Disc	47
	Gsafe Coveralls	50		Technical Textiles / Industrial Fabrics	35
	Gsafe Safety Cones & Safety Mesh	50	W	Wire Rope Lifting System	17
	Gsafe Ear Plugs	51		Wedge Anchor	21
	Gsafe Working Gloves & Welding Gloves	51		Wheel Spacer	24
	Gsafe Dust Masks	51		Warning Tapes	31
H	Hollow Core Plugs	25	G-LIFT	15, 16, 17, 18, 19, 20, 21, 22	
	HDPE or PVC	33	G-FIX	23, 24, 25, 26, 27, 42, 43, 44	
				45, 46, 47	
			G-RUNGS	28, 29, 30	
			G-SAFE	31, 32, 48, 49, 50, 51	
			G-WELD	33, 34, 35, 36, 37	
			G-LAB	38, 39, 40, 41	
			G-BUILD	52	

