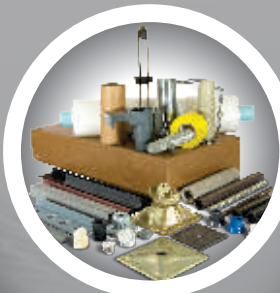
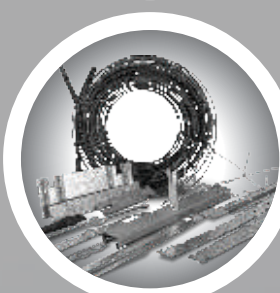


JOLUKA

**SYSTEMS FOR REINFORCED
CONCRETE AND BRICK STRUCTURES**

13th EDITION



www.joluka.co.za

***Beautiful creations are built with sound structures.
We have been making sound structures possible since 1982.***

INDEX

	PAGE		PAGE
STEEL REINFORCING SPACER SYSTEMS	1	JOLUKA QUICK TIES	25
JOLUKA CHAIR SPACER	1	BUTTERFLY WALL TIES	26
JOLUKA UNIVERSAL SPACER	1	PWD WALL TIES	26
JOLUKA CIRCULAR SPACER	2	TWIST TIES	27
JOLUKA PLASTIC BRIDGE SPACER	2	WALL TIES WITH SAFETY ENDS	27
JOLUKA PLASTIC SNAKE SPACER	2	STAINLESS STEEL WALL TIES WITH SAFETY ENDS	27
JOLUKA COMBI SPACER	3	BRICKFORCE	28
JOLUKA CENTRALISER	3	CAST-IN CORNER GUARDS	28
JOLUKA PLASTIC PILE CAGE CLIP ON	3	HOOP IRON	29
JOLUKA PLASTIC PILE CAGE SPACER	4	JOLUKA STEEL COLUMN FIX	29
JOLUKA DYNAMIC CENTRALISING SPACER	4	POSI-TIES	29
JOLUKA ADJUSTABLE PEDESTALS	5	BAT-TIES	29
JOLUKA FIBRE CEMENT KICKER	6	JOLUKA COLUMN TIE	30
JOLUKA UNDER WITH WIRE	6	JOLUKA MULTI TIE	30
JOLUKA SIDE WITH WIRE	6	JOLUKA HEAD RESTRAINT TIES	31
JOLUKA BONE WITH WIRE	7		
JOLUKA TRI-BAR	7	LIFTING AND ANCHORING SYSTEMS FOR	
JOLUKA TRI-BAR HANG	7	PRE-CAST CONCRETE	32
JOLUKA SNAKE	7	FRIMEDA RAPID LIFTING ANCHORS	32
JOLUKA FIBRE CEMENT PILE CAGE CLIP-ON	7	CAST-IN STEEL SOCKETS	33
JOLUKA FIBRE CEMENT TUBES	8	FLAT FOOT LIFTING SOCKET	34
CONCRETE PLUG	8	“SCHROEDER” LIFTING LOOPS WITH FORGED HEAD	34
JOLUKA STUB CAPS	8	SOCKETFIX I PUSH ON TYPE	35
CONCRETE PIPE SPACERS	8	SOCKETFIX II SCREW ON TYPE	35
		LIFTING CLUTCH FOR SPHERICAL HEAD LIFTING STUDS	36
REBAR ACCESSORIES	9	SPHERICAL HEAD LIFTING STUDS	36
BAILING WIRE (BINDING WIRE)	9	LIFTING STUD RECESS FORMER	37
GALVANISED WIRE COIL	9	COACH SCREW SYSTEM	37
JOLUKA CONCRETE NIPPERS	10		
KNIPEX CONCRETE NIPPERS	10	STEEL REINFORCING CONNECTIONS	38
		JOLUKA STEEL HOLLOW BOX FOR PULL-OUT BARS	38
FORMWORK ACCESSORIES	11	HALFEN CAST-IN CHANNELS (OR SIMILAR)	39
ANCHOR RODS	11	HALFEN HOT ROLLED CHANNELS	39
WING NUT WITH SWIVEL PLATE	11	HALFEN COLD FORMED CHANNELS	39
HEX NUT FOR ANCHOR RODS	11	HALFEN CHANNELS WITH TOOTHED LIPS	39
WALLER PLATE	12	APPLICATIONS FOR HALFEN CAST-IN CHANNELS	40
LOCAL TIE RODS	12	HALFEN SHEAR DOWEL SYSTEM	41
HEX NUTS FOR LOCAL TIE RODS	12	HGC GRIP CONNECTOR	42
PLATE	12	BARTEC STEEL REINFORCING COUPLERS	43
FERRULE HEAD	13	SPlicing METHODS	43
FERRULE JACK	13	JOLUKA PUNCHING SHEAR REINFORCEMENT	44
WATER BAR WITH DISC	13	HALFEN HLX LIFT BOX	45
SWIVEL COUPLER	13	JOLUKA DIAGONAL DOWEL	46
PLASTI-CORNER PLAIN	14		
STEEL CORNER PLAIN	14	SAFETY PRODUCTS	47
PLASTI-CORNER WITH WEDGING (NAILING) LIP	15	SHADE NETTING	47
PLASTI-CORNER WITH LONG LIP	15	BRANDED SHADE NET	48
PLASTI-COMBI-PROFILE	16	STAR ORANGE FENCING	49
PLASTI-CORNER WITH SLOTTED LIP	16	ORANGE AND YELLOW BARRIER MESH NETTING	50
GROUTING (FEATURE) PROFILE/CONCRETE		HEAVY DUTY SAFETY NETS	50
FLOOR KEYWAY	16	JOLUKA SAFETY (PROTECTION) CAP	51
JOLUKA PLASTIC SHUTTER BUTTON	17	MANHOLE STEP IRON	51
SHUTTER BUTTON VARIO 20-25mm	17		
PLASTIC FERRULE TUBING	17	CONSTRUCTION CHEMICALS	52
INTERNAL STAR FERRULE TUBING	18	JOLUKA CONCRETE REPAIR MORTAR	52
EXTERNAL CONE	18	JOLUKA STRUCTURAL GROUT	52
STAR FERRULE TUBING	18	JOLUKA CURING COMPOUND	53
THRU CONE	18	JOLUKA FAIRING COAT	53
JOLUKA PUSH-ON PLASTIC CONE	19	SELF LEVELLING SCREED	54
JOLUKA PERMANENT CONE	19	JOLUKA ALL PURPOSE EPOXY	54
FERRULE CORK	20	JOLUKA WET TO DRY EPOXY	55
SCAFFOLD HOLDER	20	SHUTTER BOARD REPAIR EXPOXY	55
JOLUKA CARDBOARD VOID FORMERS	21	JOINT SEALANT	56
CARDBOARD BOLT POCKET FORMER	22	JOLUKA SHUTTER RELEASE AGENT	56
GROUTEX	22	JOLUKA PLASTER BOND	57
JOINTEX	22	SANITISER 70% ALCOHOL	57
DAMPSEAL USB GREEN PLASTIC SHEETING	23		
COLUMN WRAP	23	a.b.e.® CONSTRUCTION CHEMICALS	58 + 59
PVC FORMWORK TAPE (SHUTTER TAPE)	23	COMPRESSION SPRAYER	60
BRICK WALL SUPPORT SYSTEMS	24	SAFETY, HEALTH, ENVIRONMENTAL AND QUALITY ASSURANCE	
ANCHOR CHANNELS	24	ACCORDING TO ISO	
JOLUKA SLIDING CHANNEL “QUICK”	25		
		DISCLAIMER:	
		In the interests of innovation and product improvement Joluka (Pty) Ltd reserves the right to change specifications, designs and sizes of it's products.	

STEEL REINFORCING SPACER SYSTEMS - PLASTIC

□ JOLUKA CHAIR SPACER

CHAIR SPACER is used for horizontal reinforcements such as suspended slabs, beams, etc.

Good stability.

Concave seat accommodates steel diameters of 6-40mm.

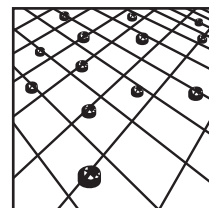
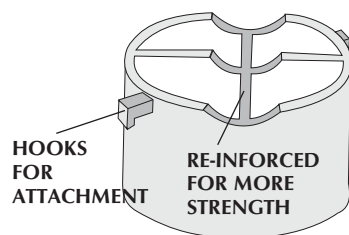
Open structure of JOLUKA CHAIR SPACER does not obstruct concrete flow.

Colour: Grey.

Well developed and widely used for heavier steel reinforcing.

Use approx. 2-4/m².

* Bigger covers (60 - 100mm) are made with a wider base to suit soft supporting material or soft foundations, such as sand etc.



	Product No.	Concrete cover (mm)	Bar Diam. (mm)
	2115	15	6 - 40
	2120	20	6 - 40
	2125	25	6 - 40
	2130	30	6 - 40
	2135	35	6 - 40
	2140	40	6 - 40
	2150	50	6 - 40
	*2160	60	6 - 40
	*2170	70	6 - 40
	*2180	80	6 - 40
	*2199	100	6 - 40

□ JOLUKA UNIVERSAL SPACER

This popular range of spacers is used for all types of applications on site or in the pre-cast concrete yard.

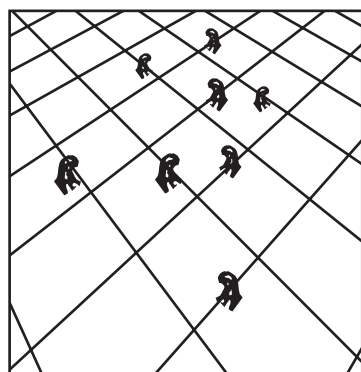
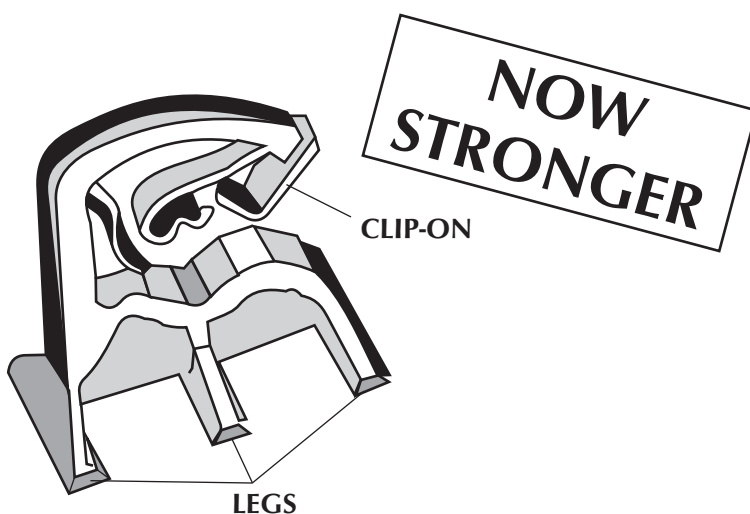
UNIVERSAL SPACER clips onto steel reinforcement.

Can be used for slab reinforcement, for walls and columns as well as pre-cast concrete.

Suitable for light reinforcing applications. Does not fall over as the clip hooks onto the steel.

Steel diameter: 4-16mm

Use approx. 2-4/m².



	Product No.	Concrete cover (mm)	Bar Diam. (mm)
	2010	10	4 - 16
	2015	15	4 - 16
	2020	20	4 - 16
	2025	25	4 - 16
	2030	30	4 - 16
	2035	35	4 - 16
	2040	40	4 - 16
	2050	50	4 - 16

STEEL REINFORCING SPACER SYSTEMS - PLASTIC

□ JOLUKA CIRCULAR SPACER

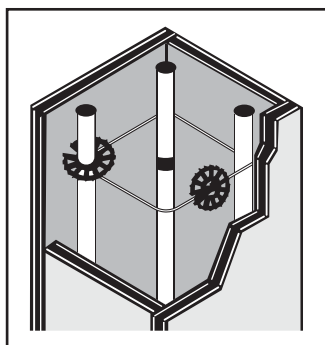
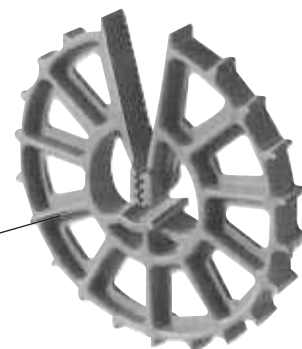
Mainly used in vertical steel reinforcement such as walls or columns.

JOLUKA CIRCULAR SPACER provides a 360° cover and clips securely on to the reinforcing.

Clip design facilitates various steel diameters (see table).

Open structure of CIRCULAR SPACER prevents voids in concrete and minimizes formwork contact.

**RIGID
CONSTRUCTION**



	Product No.	Concrete cover (mm)	Bar Diam. (mm)	Overall Dia. (mm)
	2212	12	4 - 10	30
	2215	15	4 - 12	40
	2220	20	4 - 12	48
	2225	25	4 - 16	58
	2230	30	4 - 16	68
	2240	40	6 - 16	87
	2250	50	6 - 16	106
	2260	60	6 - 16	140
	2275	75	6 - 16	160

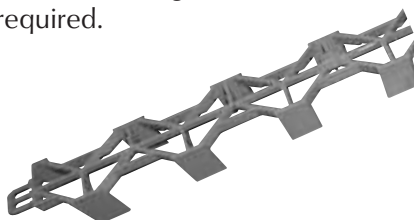
□ JOLUKA PLASTIC BRIDGE SPACER

The Joluka Plastic Bridge Spacer is extremely stable and has a relatively large carrying surface area.

It is specifically designed for reinforcing in slabs and foundations. Each 2m section is able to clip together therefore saving time and labour because no fixing to steel reinforcing is required.

Advantages:

- * Each Spacer can be joined
- * Designed for optimal concrete flow
- * Wide Surface area
- * Time Saving
- * Labour Saving



Product No.	Cover (mm)	Length (mm)
2301	20	2
2302	25	2
2303	30	2
2304	35	2
2305	40	2
2306	45	2
2307	50	2

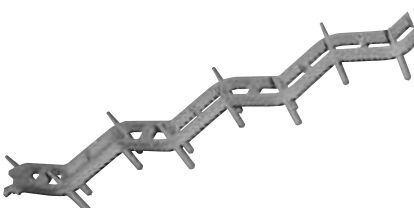
□ JOLUKA PLASTIC SNAKE SPACER

The Joluka Plastic Snake Spacer is designed for optimal concrete flow and offers minimal contact with shutters.

Each 0.5m section is able to clip together therefore saving time and labour because no fixing to steel reinforcing is required.

Advantages:

- * Each Spacer can be joined
- * Designed for optimal concrete flow
- * Time Saving
- * Labour Saving



Product No.	Cover (mm)	Length (mm)
2308	20	0.5
2309	25	0.5
2310	30	0.5
2311	35	0.5
2312	40	0.5
2313	45	0.5
2314	50	0.5
2315	55	0.5

STEEL REINFORCING SPACER SYSTEMS - PLASTIC

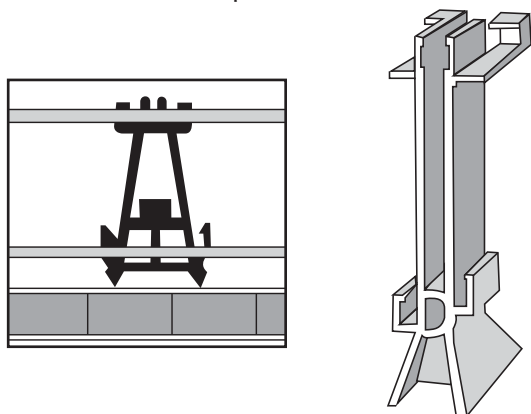
☐ JOLUKA COMBI SPACER

Suitable plastic spacer for carrying top and bottom reinforcing (double layer reinforcing) on slabs.

Little contact with shutter.

Used for in-situ construction and pre-cast concrete.

For steel diameters up to 6mm.



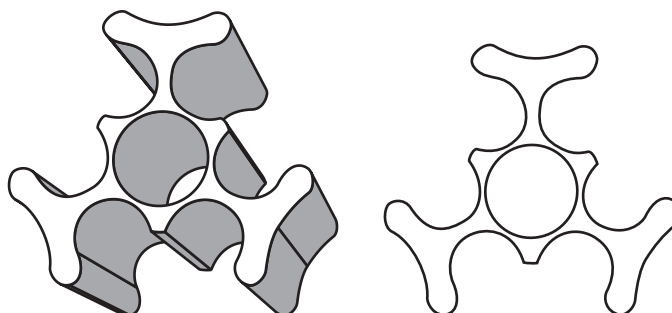
Product No.	Concrete Cover		Bar Dia. (mm)	For Slab Thickness (mm)
	Bottom Distance (mm)	Distance to Top Steel (mm)		
2460	15	60	up to 5	75 - 100
2480	20 + 30	80	up to 6	95 - 120
2499	20 + 30	90/100	up to 6	120 - 150

☐ JOLUKA CENTRALISER

Strong spacer.

Used to space reinforcing in the centre of a pile.

Product No.	Concrete cover (mm)	Bar dia. (mm)	Length (mm)
9112	30	20	60
9113	30	25	60



☐ JOLUKA PLASTIC PILE CAGE CLIP ON

Pile Cage Spacers are attached to the external steelwork of the pile cages to ensure correct spacing of the steelwork from the shuttering and that the required concrete cover is maintained over the length of the pile.

Used for:

- * Pile cages
- * In-situ concrete
- * Pre cast

Advantages:

- * Labour saving
- * Does not break or come off pile cage when lowering

Product No.	Concrete Cover (mm)	Steel Dia. (mm)
9118	75	8 - 16



STEEL REINFORCING SPACER SYSTEMS - PLASTIC

☐ JOLUKA PLASTIC PILE CAGE SPACER

Pile cage spacers are attached to the external steelwork of pile cages to ensure correct spacing of the steelwork from the shuttering, and that the required concrete cover is maintained over the length of the pile. Pile cage spacers are circular and of high strength to ensure smooth entry of the reinforcing cage without distortion. The pile cage spacers are available with concrete cover options of 50mm or 75mm.

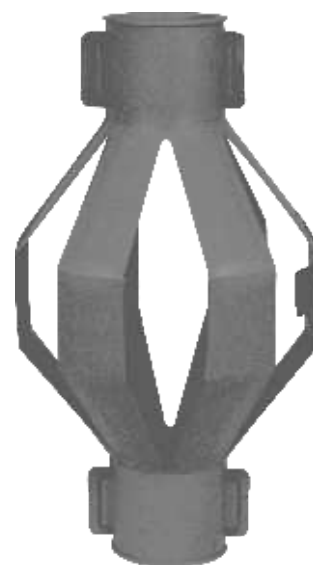


Product No.	Concrete Cover (mm)	Diam. of Steel (mm)
916	50	8 - 12
917	75	16

☐ JOLUKA DYNAMIC CENTRALISING SPACER

Used to centre tie-bars and anchor bolts

Product No.	Hole Diam. (mm)	Length (mm)	Tie-Bar Diam. (mm)
9117	65-120	230	12 - 40



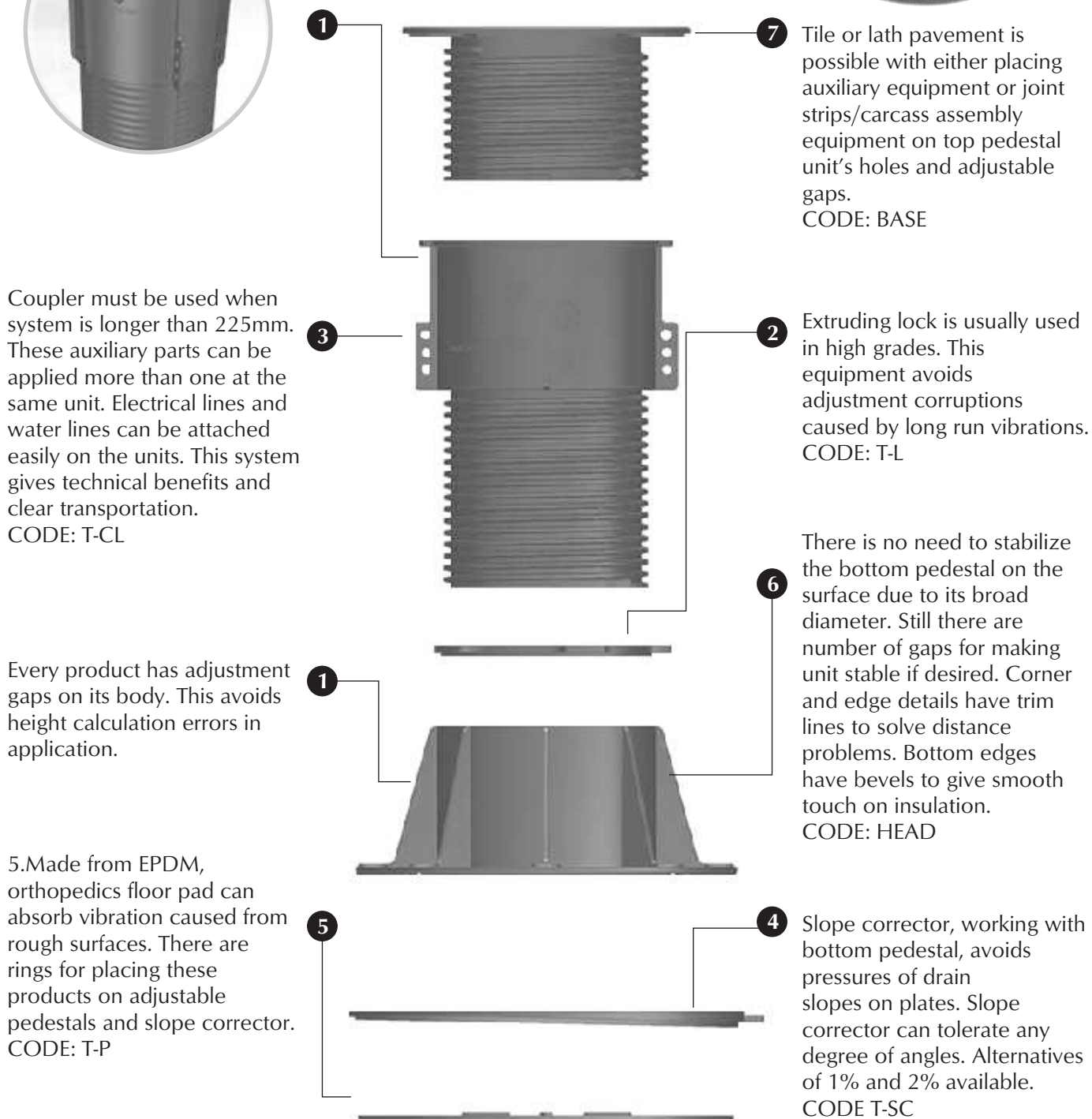
STEEL REINFORCING SPACER SYSTEMS - PLASTIC

□ JOLUKA ADJUSTABLE PEDESTALS

Working efficient between 28mm to 1083mm

The Joluka Self-levelling Adjustable Pedestal is unrivalled in its field. Designed to support any type of calibrated paving, it offers one of the highest compressive strength of any pedestal system on the market. Its unique self-levelling head and impressive height range will accommodate even the most complex paving issues - including sloping areas, drainage and maintenance access.

NEW



STEEL REINFORCING SPACER SYSTEMS - FIBRE CEMENT

WHY FIBRE CEMENT RATHER THAN PLASTIC?

Specially formulated FIBRE CEMENT PRODUCTS are manufactured in controlled environment in order to achieve the following

Advantages:

- * High strength up to 80MPa.
- * Binds well with surrounding concrete.
- * Same expansion as surrounding concrete.
- * High chemical resistance.

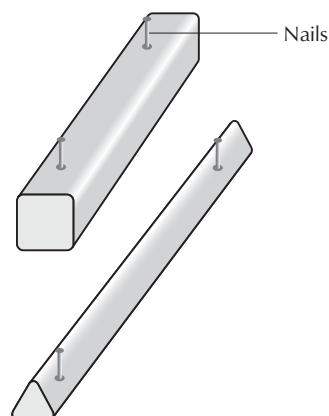
- * Minimal water absorption.
- * Fire proof.
- * Ideal for off-shutter concrete as FIBRE CEMENT PRODUCTS are similar in colour to surrounding concrete.
- * More cost effective by using less fibre cement spacers per m² than plastic.

☐ JOLUKA FIBRE CEMENT KICKER

For locating wall and column shutter at its footing. Simply nail correct size of Kicker into concrete to provide required wall thickness. Erect shutter against JOLUKA FIBRE CEMENT KICKER.

Advantages:

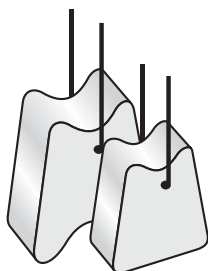
- * Time and cost saving.
- * Accurate wall thickness due to JOLUKA FIBRE CEMENT KICKER being manufactured to exact size in factory.
- * Consists of the same or similar properties as surrounding concrete.



Product No.	Wall Thickness (mm)
2715	150
2720	200
2722	225
2725	250
2727	275
2730	300
2735	350
2740	400

☐ JOLUKA UNDER WITH WIRE

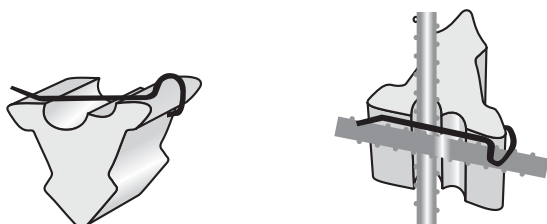
FIBRE CEMENT SPACER for horizontal reinforcing; used in-situ and pre-cast concrete. Stable design. Covers from 20 - 100mm.



Product No.	Cover (mm)	Width (mm)	Reinforcing Diam (mm)	Quantity Per Bag
2920	20	22	6 - 25	500
2925	25	22	6 - 25	500
2930	30	22	6 - 25	250
2935	35	22	6 - 25	250
2940	40	25	6 - 25	250
2950	50	25	6 - 25	250
2960	60	30	6 - 25	200
2975	75	35	6 - 25	100
2999	100	35	6 - 25	100

☐ JOLUKA SIDE WITH WIRE

FIBRE CEMENT SPACER for vertical reinforcing. Little contact with shutter. Stable design. Covers from 20 - 75mm.

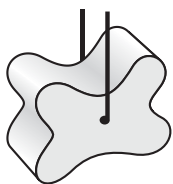


Product No.	Cover (mm)	Width (mm)	Reinforcing Diam (mm)	Quantity Per Bag
2921	20	30	6 - 12	500
2926	25	30	6 - 12	500
2927	25	30	14 - 20	500
2931	30	30	6 - 12	250
2932	30	30	14 - 20	250
2941	40	35	6 - 12	250
2942	40	35	14 - 20	250
2951	50	40	6 - 12	250
2952	50	40	14 - 20	250
2961	60	40	6 - 12	100
2962	60	40	14 - 20	100
2976	75	40	6 - 12	100
2977	75	40	14 - 20	100

STEEL REINFORCING SPACER SYSTEMS - FIBRE CEMENT

☐ JOLUKA BONE WITH WIRE

FIBRE CEMENT SPACER with multiple covers for horizontal or vertical reinforcing.



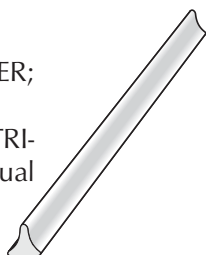
Product No.	Cover (mm)	Width (mm)	Reinforcing Diam (mm)	Quantity Per Bag	Weight Per Bag (kg)
2977	30/35	25	6 - 25	500	22
2978	20/25/30	25	6 - 25	500	22
2979	35/40/50	25	6 - 25	250	24

☐ JOLUKA TRI-BAR

Longitudinal FIBRE CEMENT SPACER; triangular and straight.

Saves labour costs as an individual TRI-BAR SPACER replaces a few individual spacers.

Eliminates sagging of reinforcing mats.



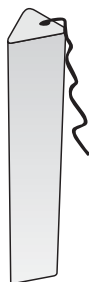
Product No.	Cover (mm)	Length (cm)/ea	Quantity Per Bundle	Weight/ea (kg)
2980	25	120	5	0.8
2981	30	120	5	1.0
2982	40	120	5	1.3
2983	50	120	5	2.5

Additional lengths available on request.

☐ JOLUKA TRI-BAR HANG

Longitudinal FIBRE CEMENT SPACER with spring wire for attaching to vertical reinforcing.

Saves labour costs as an individual TRI-BAR HANG Spacer replaces a few individual spacers.



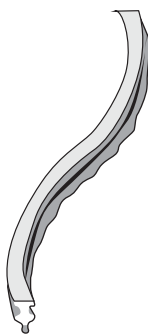
Product No.	Cover (mm)	Length (cm)/ea	Quantity Per Bag	Weight/ea (kg)
2986	25	20	25	0.2
2987	30	20	25	0.2
2988	40	20	25	0.25
2989	50	20	25	0.5

☐ JOLUKA SNAKE

Longitudinal FIBRE CEMENT SPACER; triangular and curved.

Easy to place.

Little contact with shutter due to nobbing.



Product No.	Cover (mm)	Length (cm)/ea	Quantity Per Bag	Weight/ea (kg)
2991	25	25	25	0.24
2992	30	25	25	0.24
2993	40	25	25	0.3
2994	50	25	25	0.6

☐ JOLUKA FIBRE CEMENT PILE CAGE CLIP-ON

Manufactured in fibre cement with plastic insert clip.

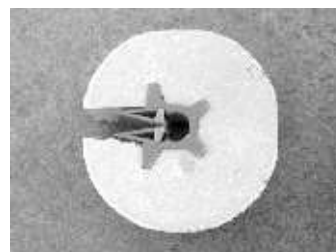
This spacer clips straight onto spiral without feeding into additional reinforcing wire.

Used for:

- * Pile cages
- * In-situ concrete
- * Pre cast

Advantages:

- * Labour saving
- * Does not break or come off pile cage when lowering
- * Due to plastic insert it will roll off while being lowered into pile



Product No.	Concrete Cover (mm)	O.D. (mm)	I.D. (mm)	Thickness (mm)
9114	50	115	10	25
9115	70	165	10	25

STEEL REINFORCING SPACER SYSTEMS - FIBRE CEMENT

☐ JOLUKA FIBRE CEMENT TUBES

Manufactured in special fibre cement to highest standards.

The technically correct answer for distancing formwork in reinforced concrete structures.

Advantages:

- * High fire resistance.
- * High compression strength.
- * Can be made waterproof; up to 30 bar.
- * Bonds naturally with concrete.
- * Can be used with cones 3122 and 3123.

GOOD BOND TO
CONCRETE



Product No.	I.D. (mm)	O.D. (mm)	Total Length (m)	Weight (kg)
2822	22	38	1.25	1.4

☐ CONCRETE PLUG

Provides a waterproof bond to FIBRE CEMENT TUBES if correctly glued with KARPOX or a similar epoxy. By correctly sealing FIBRE CEMENT TUBE on either end with CONCRETE PLUGS, waterproofing up to 30 bar pressure will be achieved.

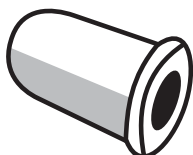


Product No.	O.D. mm	Length mm
2831	22	20

☐ JOLUKA STUB CAPS

Covers reinforcing steel ends (between 4 and 10mm diameter).

Mainly used in pre-cast concrete, concrete manholes and pipe manufacturing.



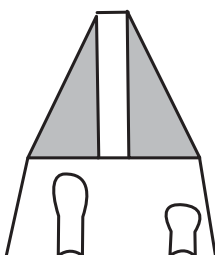
	Product No.	Bar. Dia. (mm)	Length of Cap (mm)
	2504	4	15
	25045	4.5	15
	2505	5	15
	25056	5.6	15
	25063	6.3	15
	2507	7	15
	2508	8	15
	2510	10	15

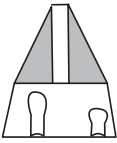
☐ CONCRETE PIPE SPACERS

Cone shaped spacer is clipped to the crossing of steel mats. Steel diameter to be 5-6mm.

Used for concrete pipe and pre-cast concrete manufacture.

Manufactured in various colours to distinguish cover.



	Prod. No.	Cover (mm)	Colour
	2610	10	grey
	2613	13	red
	2616	16	brown
	2619	19	yellow
	2620	20	yellow
	2622	22	green
	2626	26	black
	2629	29	blue
	2632	32	grey
	2638	38	red
	2645	45	grey
	2651	51	yellow

REBAR ACCESSORIES

☐ BAILING WIRE (BINDING WIRE)

Manufactured in black annealed or galvanised wire and supplied in coils of 50 kg.

Used for:

- * Connecting reinforcing bars on Construction Sites.
- * Positioning and binding reinforcing cages in the yard or on site.
- * Connecting spacers to reinforcing.

Product No.	Material	Diameter (mm)	Weight/ Roll (kg)
7999	Black Annealed	1.6	5
8001	Black Annealed	1.6	50
8002	Galvanised	1.6	50



☐ GALVANISED WIRE COIL

Galvanised Wire has various applications and is relatively pliable. It is supplied in coils of 50 Kg.

NEW



Product No.	Material	Thickness	Weight (kg)
8040	Galvanised	2.5	50
8041	Galvanised	3.15	50

REBAR ACCESSORIES

☐ JOLUKA CONCRETE NIPPERS

NEW

The Joluka high leverage concrete nippers offer substantially higher cutting performance as well as a damping of the cutting stroke after cutting the binding wire - two valuable ergonomic advantages for the user.

If you would like to twist and cut wire in one operation, then the Joluka concrete nippers are the ones for you. They are fast, reliable and economical and will make light work of the toughest of job applications.

With their very slim shape, the Joluka concrete nippers are ideal for tying submerged positioned steel rods, making these nippers very handy to have at all times.

Joluka nippers have particularly high cutting capacity with minimum effort due to their optimum transmission ratio. High damping of the cutting stroke after cutting the binding wire reduces strain on tendons and muscles.

These Joluka concrete nippers are made up from high-grade special tool steel, forged and then oil-hardened for reliability and durability. They have long handles for added torque and high leverage.

Joluka Concrete Nippers are manufactured in Germany, so the highest quality is guaranteed.



Product No.	Length (mm)	Medium to Hard Steel Density	Hard Steel Density
2914	250	3,5	2,0

☐ KNIPEX CONCRETE NIPPERS

- * To twist and cut wire in one operation: fast, reliable and economical
- * Unobtained precision and long service life make these the most widely purchased concrete nippers in the world
- * Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
- * High-grade special tool steel, forged, oil-hardened
- * Made in Germany



Product No.	Length (mm)	Medium to Hard Steel Density	Hard Steel Density
2915	250	3,5	2,0

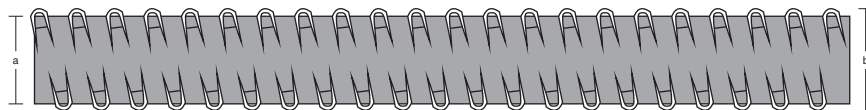
FORMWORK ACCESSORIES

☐ ANCHOR RODS

Heavy duty range of Tie Rods for Shutter Panels, with rolled thread; flexible and weldable.

Advantages of rolled thread:

- * Perfect sizing and superior strength.
- * Very smooth surface.
- * Easy tightening and loosening of nuts.
- * Bar is bendable and weldable.



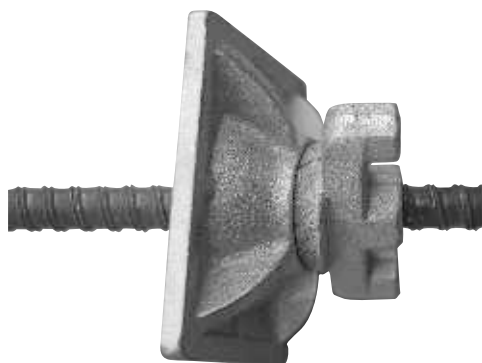
Prod. No.	Sizes (mm) a x b	Tensile Strength (kN)	Breaking Strength (kN)
921	15, 0 x 17,5	90	190
922	20, 0 x 22,5	160	340

☐ WING NUT WITH SWIVEL PLATE

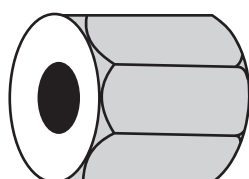
Advantages of rolled thread:

- * Easy to assemble tie rods by hand.
- * SWIVEL PLATE protects shutter from being damaged.
- * Due to robust construction can be re-used many times.

Product No.	Description	Size	
		Tie Rod (mm)	Plate (mm)
979	Wing Nut with Swivel Plate	15	120 x 120 x 8
980	Wing Nut with Swivel Plate	20	120 x 120 x 8



☐ HEX NUT FOR ANCHOR RODS



Product No.	Description	Size Thread (mm)	Length (mm)
976	Hex Nut SKM 15/30	15	30
977	Hex Nut SKM 20/70	20	70

FORMWORK ACCESSORIES

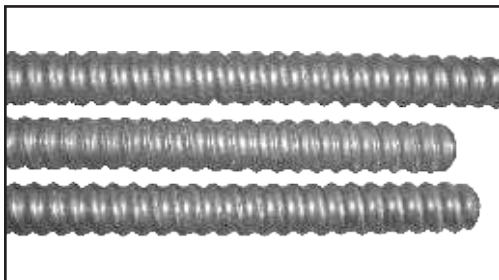
☐ WALLER PLATE

Protects shutter and secures TIE RODS to shutter.



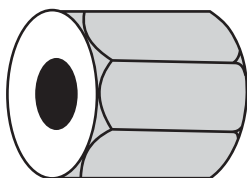
Product No.	Description	Bar Diam. (mm)	Size Plate (mm)	Thickness (mm)
960	Waller Plate	20	120 x 120	6

☐ LOCAL TIE RODS



Product No.	Description	Size (mm)	Safe Load max. (kN)
910	Tie Rod	12	40
911	Tie Rod	16	84

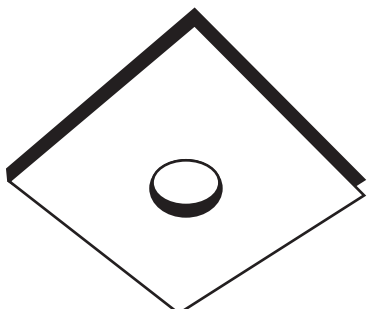
☐ HEX NUTS FOR LOCAL TIE RODS



Product No.	Description	Bar Diam. (mm)	Length of Nut (mm)	Spanner Size (M)
950	Tie Rod Hex Nut	12	30	22
951	Tie Rod Hex Nut	16	50	27

☐ PLATE

Protects shutter and secures TIE RODS to shutter.



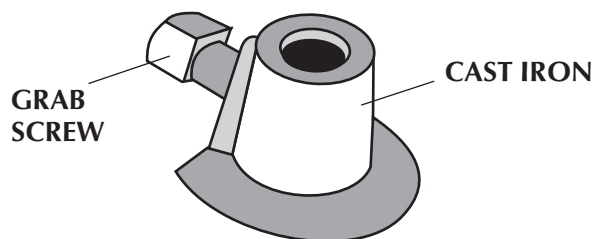
Prod. No.	Bar Dia. (mm)	Size of Plate (mm)	Hole Dia. (mm)	Thickness (mm)
961	up to 16	80 x 80	14	6
962	up to 21	100 x 100	14	6
963	up to 23	100 x 100	14	6
964	up to 18	150 x 150	18	8

FORMWORK ACCESSORIES

☐ FERRULE HEAD

Used with 12mm steel reinforcing rod or thru tie for light formwork.

The FERRULE HEAD is manufactured in cast iron and is suitable for multiple use.



☐ FERRULE JACK

Newly designed FERRULE JACK is a high quality product. Used for tensioning 12mm steel reinforcing rods before tightening the grab screw on the FERRULE HEAD.

Product No.	Description	Material
4510	Ferrule Head	Cast Iron
4520	Ferrule Jack	Mild Steel, coated

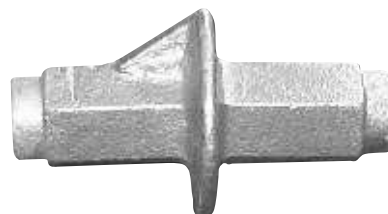


FORMWORK
ACCESSORIES

☐ WATER BAR WITH DISC

Used to join TIE RODS for water retaining structures. Used as water barrier in order to eliminate water penetration. TIE RODS can be re-used while water bar stays in concrete.

Product No.	Description	Length (mm)	Bar Diam. (mm)
959	Water Bar	116	15



☐ SWIVEL COUPLER

Swivel Couplers are used to connect scaffold tubes at any angle. They are manufactured from forged steel and are galvanised.

Product No.	Scaffolding Size (mm)
918	50 x 50



NEW

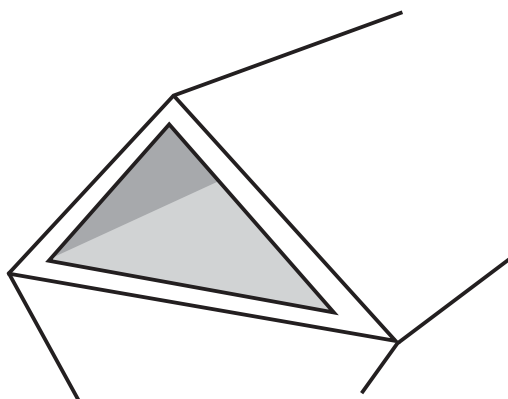
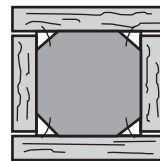
FORMWORK ACCESSORIES

☐ PLASTI-CORNER PLAIN

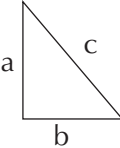
Reusable Plastic Corner Fillet.
Used for chamfering corners of:
beams, columns, slabs, pre-cast concrete etc.

Applications:

- * Mainly used for timber shutters -attach by nailing to shutter.
- * For steel shutters - attach with contact adhesive or by means of screwing.
- * Can be bent and used for curves and round structures like reservoirs.

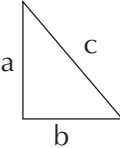


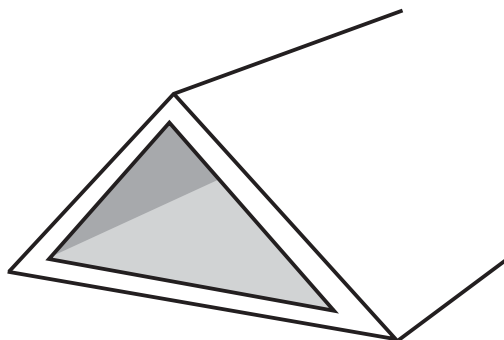
**SHARP CORNERS
PROVIDE GOOD FINISH**

	Prod. No.	a (mm)	b (mm)	c (mm)
	1010	10	10	14
	1015	15	15	21
	1020	20	20	28
	1025	25	25	35
	1040	40	40	56

☐ STEEL CORNER PLAIN

Used for Steel Shutters or spot weld to edge of shutter panel.

	Prod. No.	a (mm)	b (mm)	c (mm)
	1015 S	15	15	21
	1025 S	25	25	35

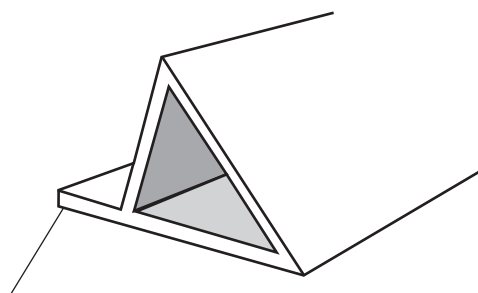
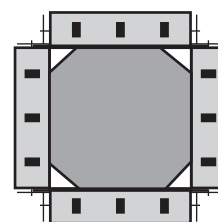


FORMWORK ACCESSORIES

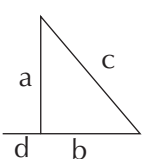
□ PLASTI-CORNER WITH WEDGING (NAILING) LIP

Applications:

- * Mainly used for steel shutter - lip to be wedged between angle iron and shutter panel for automatic attaching.
- * For timber shutter, lip of PLASTI-CORNER is used for nailing, which eliminates damage and visual marks of nails on concrete.
- * PLASTI-CORNER With Wedging Lip can be removed from shutters when dismantling and is then ready for reuse.
- * Can be bent like plain PLASTI-CORNER.



FOR ATTACHING
TO SHUTTER

	Prod. No.	a (mm)	b (mm)	c (mm)	d (mm)
	1110	10	10	14	13
	1115	15	15	21	13
	1120	20	20	28	13
	1125	25	25	35	13

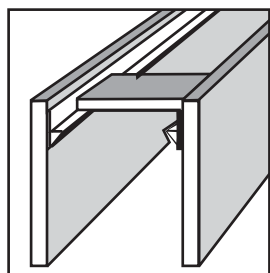
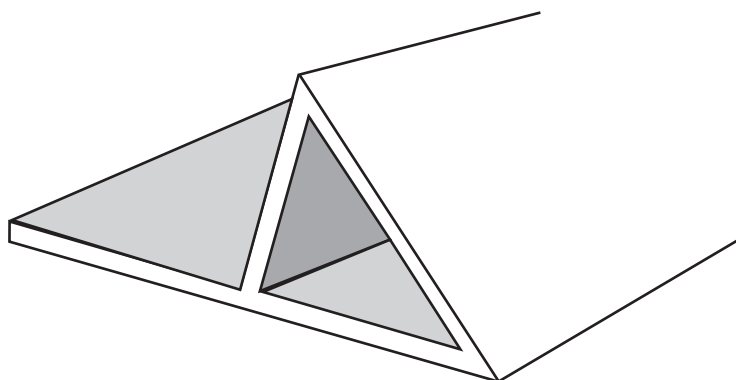
FORMWORK
ACCESSORIES

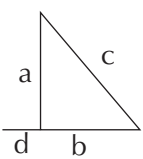
□ PLASTI-CORNER WITH LONG LIP

Long lip is used for ease of attaching PLASTI-CORNER to formwork.

Used when all other versions of Joluka PLASTI-CORNER are not suitable.

For example: Corner Fillet required halfway up shutter. Long lip can be used for attaching to shutter panels by means of wedging (see illustration), glueing or screwing.

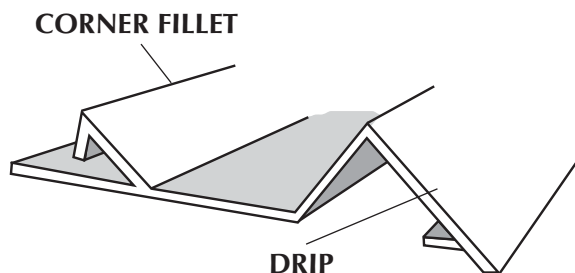
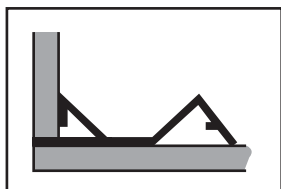


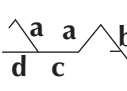
	Prod. No.	a (mm)	b (mm)	c (mm)	d (mm)
	1310	10	10	14	50
	1315	15	15	17	50
	1320	20	20	28	50
	1325	25	25	35	50

FORMWORK ACCESSORIES

PLASTI-COMBI-PROFILE

Combination of Corner Fillet and water drip.
Easy to attach to decks.
Provides attractive, straight finish.
Reusable.



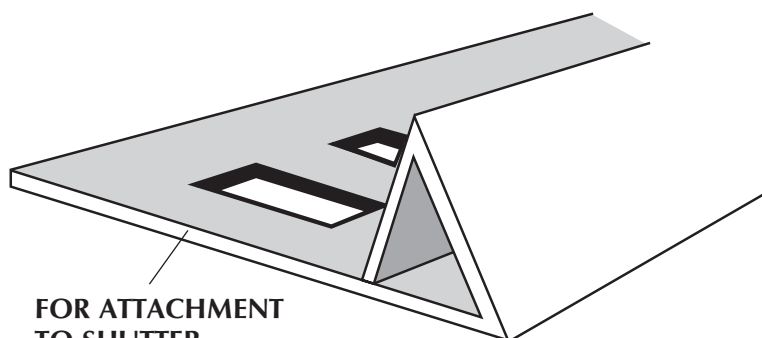
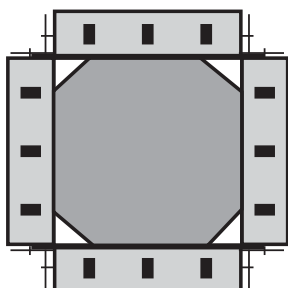
	Prod. No.	a (mm)	b (mm)	c (mm)	d (mm)
	1425	20	20	25	14

PLASTI-CORNER WITH SLOTTED LIP

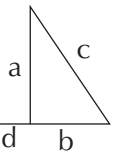
50mm lip of PLASTI-CORNER is slotted as per steel shuttering to accept clip and wedge for automatic attaching.
When dismantling formwork, PLASTI-CORNER comes off automatically and is ready for next use.

Advantages:

- * Durable Corner Fillet.
- * Labour saving.
- * Reusable several times.
- * No hassles as it gets assembled immediately with shuttering.



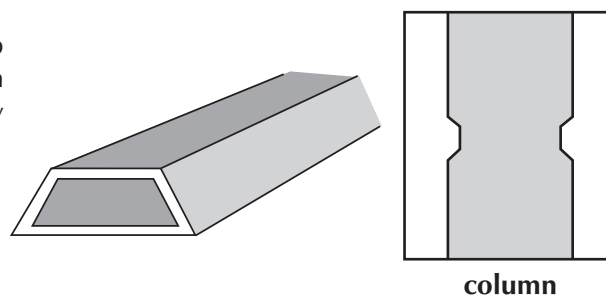
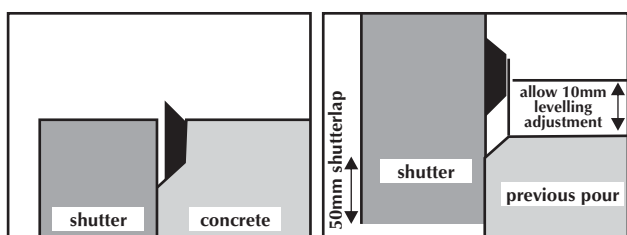
FOR ATTACHMENT TO SHUTTER

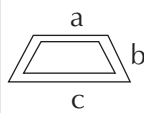
	Prod. No.	a (mm)	b (mm)	c (mm)	d (mm)	Slotting
	1210	10	10	14	50	metric
	1215	15	15	17	50	metric
	1220	20	20	28	50	metric
	1225	25	25	35	50	metric
	1230	10	10	14	50	imperial
	1235	15	15	17	50	imperial
	1240	20	20	28	50	imperial
	1245	25	25	35	50	imperial
	1250	20	20	28	50	PMI
	1255	25	25	35	50	PMI

GROUTING (FEATURE) PROFILE/CONCRETE FLOOR KEYWAY

Trapeze shaped plastic profile used as Feature/Grouting strip (eliminates undesirable marks on off-shutter concrete when joining 2 pours of cast concrete at time intervals), or as Keyway for interlocking construction joints.

Attach to form work by means of glueing, nailing, or screwing.
Reusable. Suitable for most construction joints in concrete slabs.



	Prod. No.	a (mm)	b (mm)	c (mm)
	1515	30	15	45
	1520	25	25	30
	1525	30	25	45

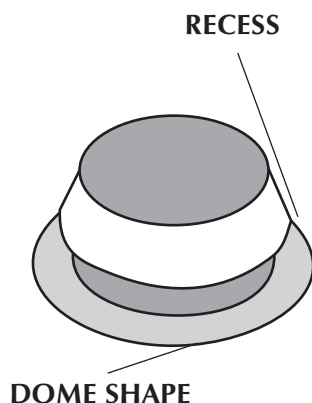
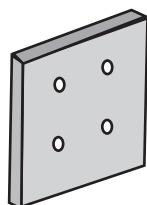
FORMWORK ACCESSORIES

☐ JOLUKA PLASTIC SHUTTER BUTTON

Used for closing Ferrule Tie holes in steel or timber shutters.

Available in various sizes.

Inexpensive and robust.

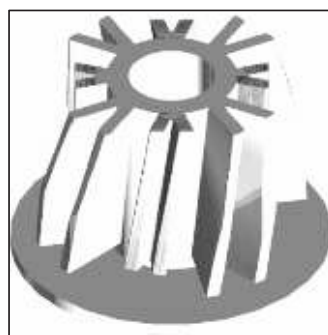


	Product No.	Shutter hole dia. (mm)
	8012	14
	8016	16
	8018	18
	8020	20-25
	8021	21
	8025	25

☐ SHUTTER BUTTON VARIO 20-25mm (Product No. 8020)

Used for closing holes in steel or aluminium framed shutters.

Hole diameter can vary from 21 - 24mm.



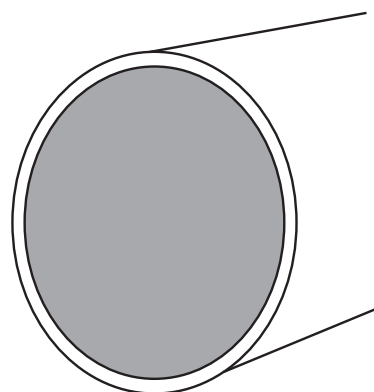
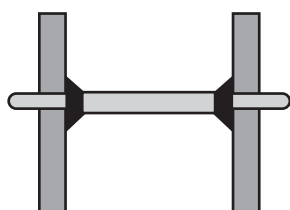
☐ PLASTIC FERRULE TUBING

Plastic tubing replaces more expensive materials. Use FERRULE TUBING to facilitate recovery of expensive Thru Ties.

Supplied in 3m lengths or cut to required length.

For correct I.D. of FERRULE TUBING required, please check I.D. of cone to be used.

I.D. of FERRULE TUBING to be at least 3mm bigger than thru ties.



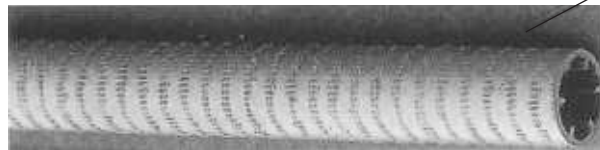
	Prod. No.	I.D. (mm)	O.D. (mm)
	3014	14	17
	3017	17	20
	3022	22	25
	3024	24	27
	3026	26	30
	30280	28	32

FORMWORK ACCESSORIES

INTERNAL STAR FERRULE TUBING

Very strong plastic Ferrule Tube with the following **advantages**:

- * Internally ribbed for high strength.
- * Avoids splitting when sawing.
- * Thru Tie is located centrally inside Ferrule Tube; facilitates easy removal.
- * Avoids bending or deforming of tube when tightening.
- * Suitable cones available.
- * Suitable for 16mm Anchor Rods and Thru Ties.

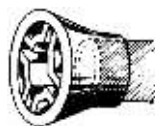


**RIBBED
INSIDE
(BETTER
LOCATION
OF THRU TIE
& STRONGER)**

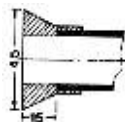
Product No.	Size I.D. Tube (mm)	Size O.D. (mm)	Size E.D. Ribs (mm)	Suitable for
3028	22	26	19	16mm GEWI Bar

EXTERNAL CONE

Suitable for INTERNAL STAR FERRULE TUBING; can be reused several times.



**CONE FITS OVER OUTSIDE
DIAMETER OF FERRULE TUBE**



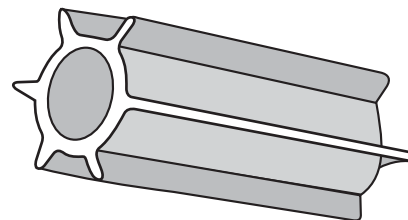
Product No.	Size O.D. (mm)	Size I.D. Tube (mm)	Concrete cover (mm)
3128	26	19	15

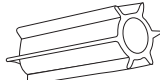
STAR FERRULE TUBING

Very strong Ferrule Tubing for heavy duty use. Also recommended for wall thickness of over 300mm.

Fins provide extra rigid anchoring of Ferrule Tubing in concrete and eliminates rotation of tube.

Available in 3m lengths or cut to required length.



	Product No.	I.D. (mm)
	3023	22

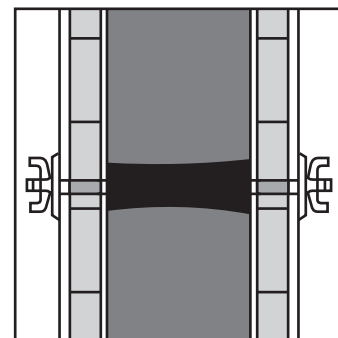
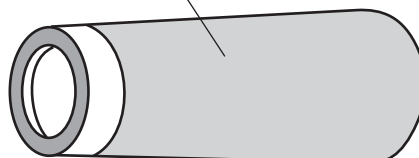
THRU CONE

Very strong conical plastic sleeve keeping formwork in place and facilitating removal of Thru Ties.

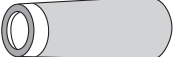
After removing the formwork, the THRU CONES can be knocked out of the concrete. The void created can then be grouted.

THRU CONES are reusable and are available in different sizes as per your specification.

REUSABLE PLASTIC CONE



Note: Must be pre-ordered, delivery time is +/- 5 weeks.

	Product No.	Length (mm)	O.D. (mm)	I.D. (mm)
	3051	150 - 250	55	22

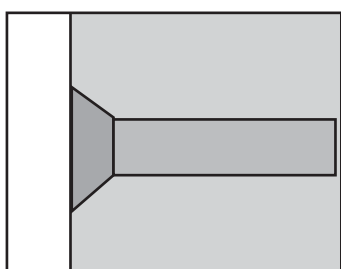
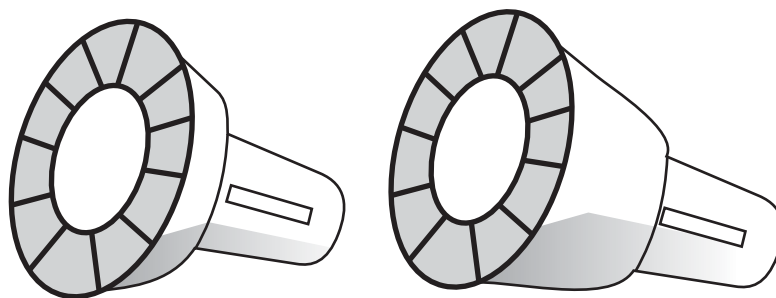
FORMWORK ACCESSORIES

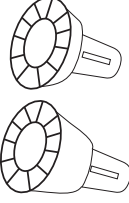
☐ JOLUKA PUSH-ON PLASTIC CONE

To be attached to each end of Ferrule Tubing.

Can easily be extracted from concrete structure for reuse.

JOLUKA PUSH-ON CONES form a chamfered recess in concrete structures for ease of subsequent grouting. They also prevent grout penetrating into Ferrule Tubing during casting of concrete.



	Product No.	O.D. (mm)	I.D. (mm)	Length of cone section (mm)
	3114	14	12	10
	3117	17	13	10
	3122	22	18	10
	3124	24	21	10
	3126	26	23	10

☐ JOLUKA PERMANENT CONE

Labour-saving substitute of Push-On Cone. Remains in concrete as a moisture block and feature.

Eliminates patching of ferrule holes in concrete walls; PERMANENT CONE remains visible as an attractive finish on off-shutter concrete.

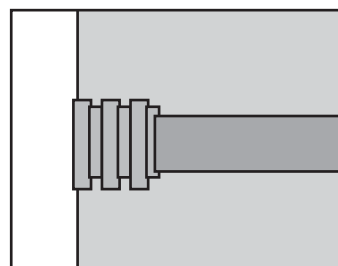
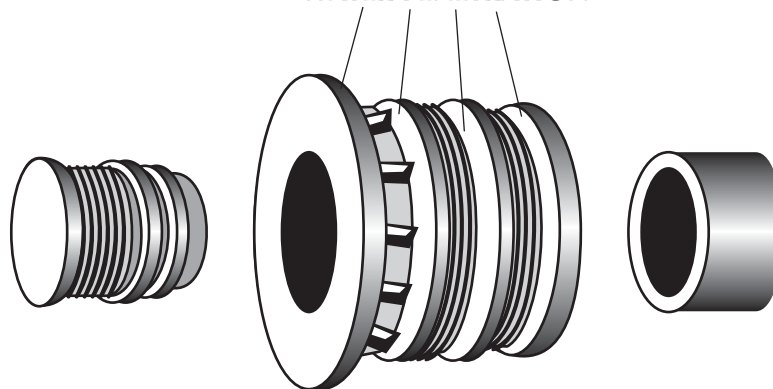
If required can be painted or plastered.

Applications:

Off-shutter concrete structures, retaining walls, underground structures etc.

In using JOLUKA PERMANENT CONE water reservoirs we recommend attaching product No. 3123 on front end of permanent cone prior to casting. After removing formwork, remove product No. 3123 and fill ferrule hole completely with special grouting.

RINGS ELIMINATE WATER PENETRATION



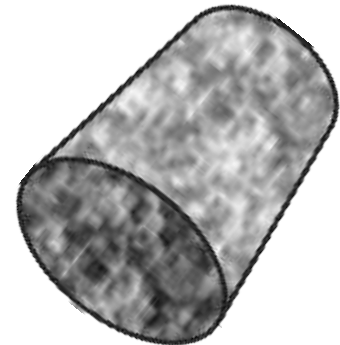
	Product No.	Size I.D. (mm)	O.D. of Ferrule tube (mm)
	3220	22	25

FORMWORK ACCESSORIES

☐ FERRULE CORK

Imported Cork used to “water-proof” Ferrule holes. Before installation knock out plastic Ferrule Tube. It works just like a Cork in a wine bottle.

	Product No.	Dia. Front (mm)	Dia. Back (mm)	Length (mm)	Cork No.
	3330	30	24	32	13
	3331	28.5	22.6	32	12
	3332	22	17	27	8



☐ SCAFFOLD HOLDER

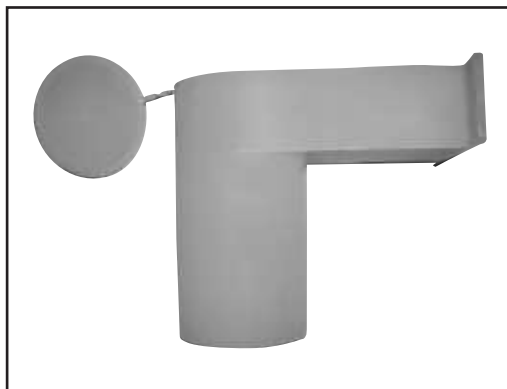
Provides a hole in the concrete on the edge of a slab. This can be used to insert scaffold tubing for temporary balustrading of a concrete structure.

The unit is attached to formwork and cast into the concrete (about 2 – 4 m apart).

After casting, the cap is removed from the plastic tube and the exposed hole can now be used to insert a 50mm scaffold tube.

Advantages:

- * Eliminates expensive drilling of holes.
- * Provides a safe method of erecting a temporary fence during the construction of concrete buildings.



Product no.	Description	Suitable for Tube Diam. (mm)	Depth of Tube (mm)	Distance from Edge of Concrete (mm)
3001	Scaffold Holder	50	100	60

FORMWORK ACCESSORIES

□ JOLUKA CARDBOARD VOID FORMERS

IDEAL FOR BASEMENTS IN HEAVING SOIL AND SIMILAR APPLICATIONS.

Consists of a special corrugated cardboard box, wax coated on the outside to withstand temporary moisture of concrete when casting. Depending on the slab thickness special stiffeners are placed inside Void Formers.

In contact with moisture or water the JOLUKA VOID FORMERS slowly disintegrate leaving a Void for soil movement.

Advantages:

- * Light weight.
- * Easy to position.
- * Saves up to 50% of time.
- * Cost effective compared to conventional methods.
- * Can be used for beams, slabs, flat surfaces, etc.
- * Different sizes, thicknesses and shapes can be manufactured as per engineers' specifications.

Placement of Joluka Void Formers:

1. After excavation, a layer of approx. 20mm riversand or similar should be placed on surface.
2. A thin plastic sheet must be placed beneath Joluka Void Former.
3. Shortly prior to fixing reinforcing the JOLUKA VOID FORMER must be positioned as specified by the engineer.
4. A thin plastic sheet must be placed around the JOLUKA VOID FORMER eliminating contact with moisture and water.
5. After fixing steel etc. the concrete is poured.
6. JOLUKA VOID FORMERS do not need to be removed since they collapse and disintegrate with time, depending on the amount of moisture received from surrounding concrete and underlying soil.
7. Heaving soil (like clay) may now expand into cavities provided by the disintegrated JOLUKA VOID FORMERS.

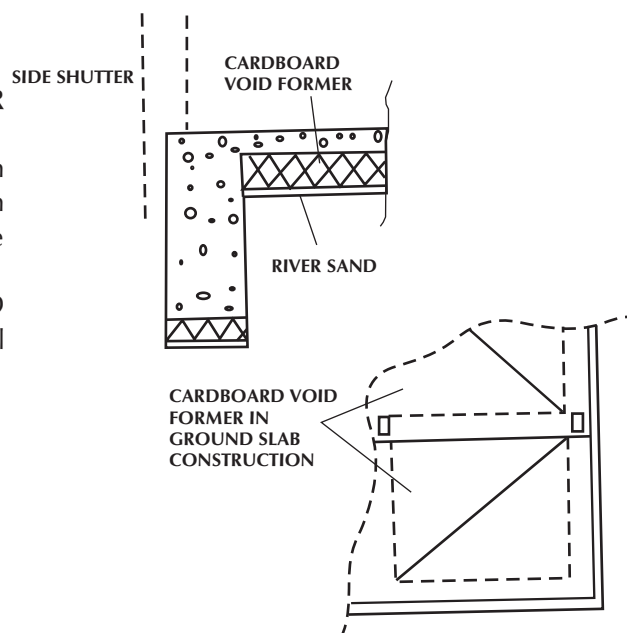
Special Instructions:

Due to the inherent property of the cardboard to collapse and disintegrate in contact with moisture it is important to:

1. Store the Void Formers indoors and to eliminate contact with water as well as moisture.
2. In the case of no indoor storage facility, the JOLUKA VOID FORMERS must be completely covered with plastic sheeting to avoid contact with water.
3. Ensure to pour concrete as soon as possible after positioning JOLUKA VOID FORMERS.

Other sizes and shapes of JOLUKA VOID FORMERS can be supplied on request.

Typical Heights of JOLUKA VOID FORMERS for flat surfaces used in heaving soil are between 100 - 250mm.



Product No.	Length (mm)	Width (mm)	Height (mm)
4967	1000	500	200
4968	1000	1000	200
4969	1000	500	250
4970	1000	1000	250
4971	500	200	100
4972	1000	400	200
4973	1000	500	100
4974	1000	1000	100
4975	1000	500	150
4976	1000	1000	150
4977	1000	500	200
4978	1000	1000	200
4979	1000	500	250
4980	1000	1000	250
4981	1000	500	300
4982	1000	1000	300

FORMWORK ACCESSORIES

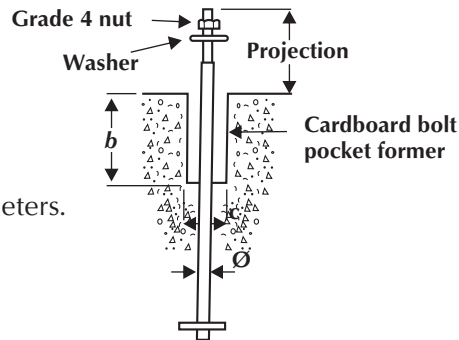
☐ CARDBOARD BOLT POCKET FORMER

An ideal means of boxing out or holding down bolts into concrete columns for steel columns.

A cardboard tube, wax coated on the outside to eliminate rapid disintegration when in contact with water, is placed over the holding down bolt. After casting concrete the cardboard former must be removed.

Advantages:

- * Time saving.
- * Cost effective.
- * Bolt automatically centralised.
- * Fits various bolt diameters.



Product No.	Shank Dia. (mm)	Pocket Depth b (mm)	Pocket Dia. c (mm)
4991	20	150	75
4992	24	200	75
4993	30	250	100
4994	40	300	100

☐ GROUTEX

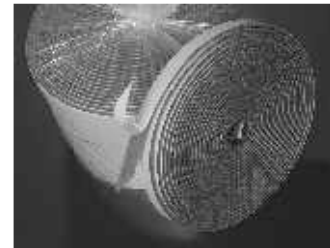
Manufactured in expanded Polyurethane with self adhesive backing. Used for shuttering where individual shutters join.

It eliminates unevenness and avoids grout loss.

Advantages:

- * Due to flexibility of GROUTEX the gap unevenness is eliminated
- * Join to shutter edge with self adhesive backing on GROUTEX

Product no.	Description	Thickness (mm)	Width (mm)	Length/ Roll (m)
8510	Groutex	10	20	10



☐ JOINTEX

Manufactured in expanded Polyethylene and used as expansion or contraction joint.

Advantages:

- * JOINTEX can be supplied in any size as per your application
- * Good compression qualities and recovery memory
- * Due to flexibility it can be bent and used around corners

Product no.	Description	Thickness (mm)	Width (mm)	Length/Roll (m)
8511	Jointex	10	80	10
8512	Jointex	20	150	10
8513	Jointex	10	150	10
8517	Jointex Foam	10	80	10
8519	Jointex Foam	20	150	10
8518	Jointex Foam	10	150	10



FORMWORK ACCESSORIES

☐ DAMPSEAL USB GREEN PLASTIC SHEETING

Dampseal USB Green sheeting is to be laid under concrete flooring to prevent rising moisture by acting as a waterproofing barrier.

Advantages:

- * Excellent tear and puncture resistant properties
- * Better curing of concrete and prevents contamination
- * Prevents unhealthy living conditions
- * Prevents rising moisture by acting as a waterproofing

Product no.	Description	Thickness (mic)	Width (m)	Length (m)
992	Dampseal USB Green Plastic Sheeting	250	3	30
	Orange Plastic Sheeting	375		



N.B. Also Available in black

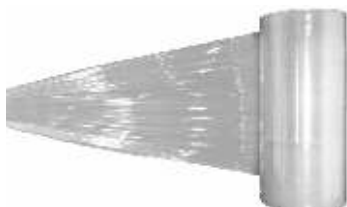
Manufactured according to the SABS specifications

☐ COLUMN WRAP

Joluka Column Wrap is used to wrap around columns shortly after casting to improve curing times. The column wrap also provides a layer of protection against surface damage.

Advantages:

- * Excellent Stretch Characteristics
- * Extended Core for easy application
- * Transparent



Product no.	Thickness (mic)	Width (m)	Length (m)
992	17	450	400

☐ PVC FORMWORK TAPE (SHUTTER TAPE)

A tough thick matt PVC tape used for covering joints in formwork to prevent grout loss. Excellent adhesive strength even when oil and dust are present. Roll size 50mm x 30 meters.

- * 150 micron thick
- * Visible Yellow Colour
- * Correct adhesive for formwork
- * Guaranteed quality and durability



Product no.	Description	Width (mm)	Length (m)
948	PVC Formwork Tape	50	30

BRICK WALL SUPPORT SYSTEMS

ANCHOR CHANNELS

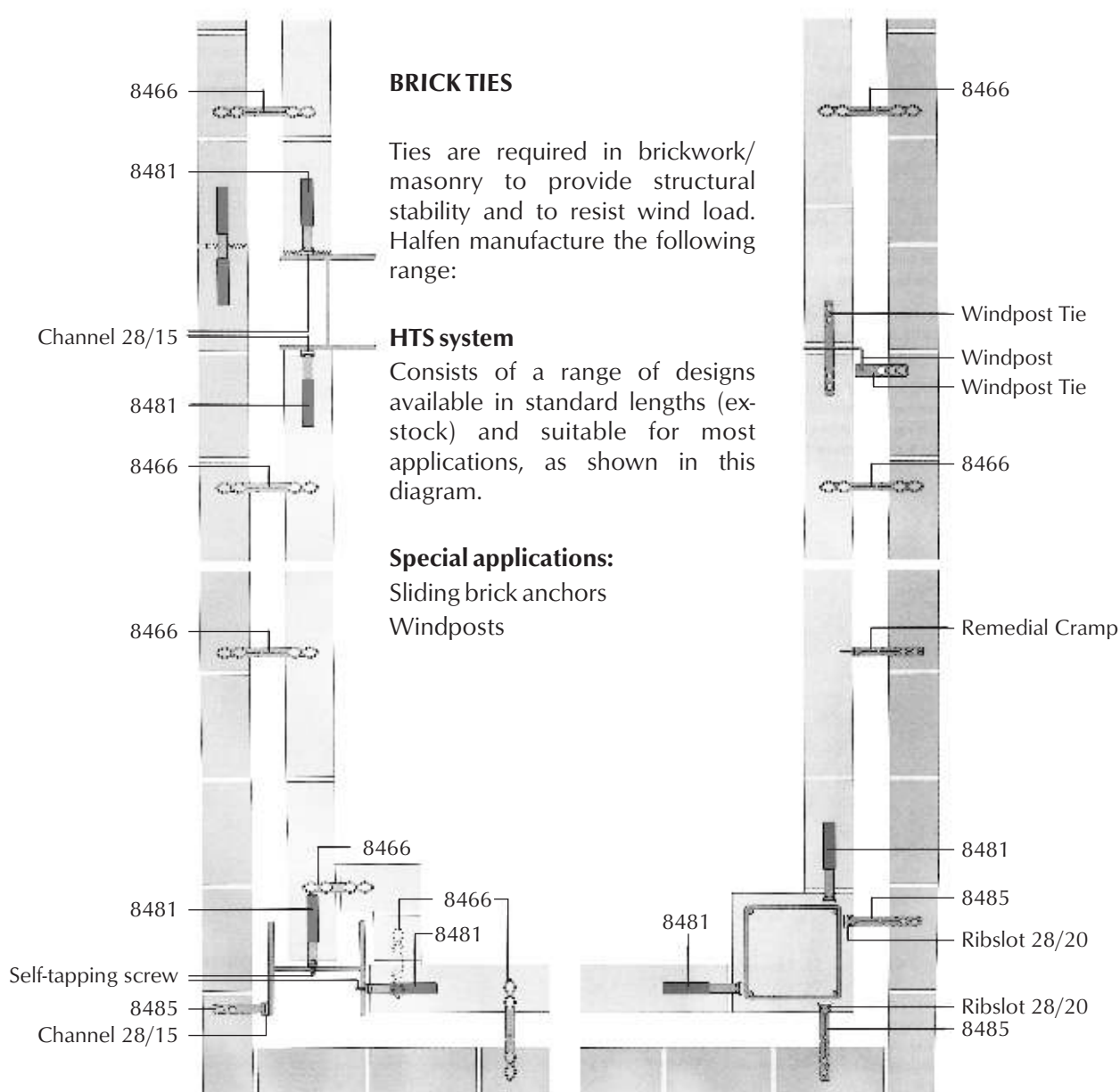
Sliding ANCHOR CHANNELS facilitate easy, cost efficient and safe attachment of brickwork to concrete or other (e.g. steel or wood) structures. Horizontal or vertical attachment such as fixing of brick wall to column or brick wall to underside of slab, etc. is possible.

The Channels can be cast into concrete or surface fixed outside the concrete or other materials (e.g. steel structures or wood).

Product No.	Description	Size (mm)	Thickness (mm)
8462	JOLUKA Sliding Channel "QUICK"	42 x 21	2.0

Supplied in cold rolled galvanised mild steel in lengths of 100mm to 5 000mm.

BRICK TIES - INTRODUCTION TO STANDARD APPLICATIONS



BRICK WALL SUPPORT SYSTEMS

☐ JOLUKA SLIDING CHANNEL “QUICK”

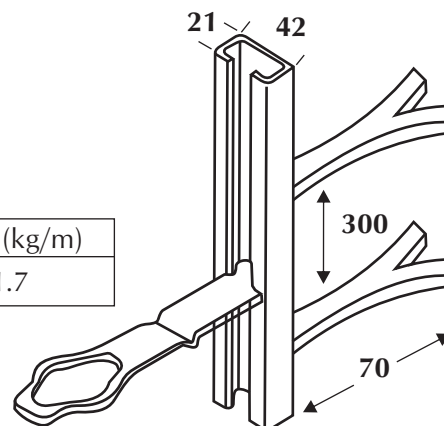
Heavy duty Channel allows heavier loads.

Supplied with welded-on Twist Tie Anchor (300mm centres and 70mm length).

Can be used for horizontal & vertical applications and in conjunction with HEAD RESTRAINT TIES.

ALLOWABLE POINT LOADS (F) FOR SLIDING “QUICK”

Pull Out	Shear	Longitudinal	Mass (kg/m)
5.0 kN	10.0 kN	5.0 kN	1.7



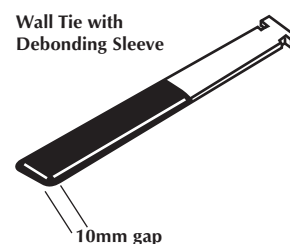
☐ JOLUKA QUICK TIES

Suitable for JOLUKA CHANNELS “QUICK” and used for heavy duty applications.

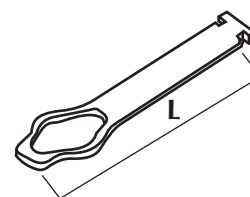
Quick assembly of Ties - just insert Tie and twist it 90°.

Manufactured in galvanised mild steel.

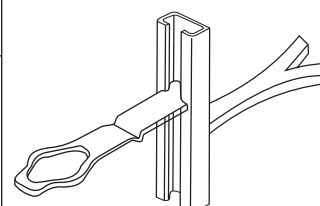
Product No.	Description	Length (mm)	Thickness (mm)	Width (mm)
8481	QUICK DEBONDING TIE	200	25	3
8482	QUICK DEBONDING TIE	225	25	3
8483	QUICK DEBONDING TIE	250	25	3
8484	QUICK DEBONDING TIE	275	25	3



Product No.	Description	Length (mm)	Thickness (mm)	Width (mm)
8485	QUICK TIE “GENERAL PURPOSE”	130	25	3
8486	QUICK TIE “GENERAL PURPOSE”	200	25	3
8487	QUICK TIE “GENERAL PURPOSE”	225	25	3
8488	QUICK TIE “GENERAL PURPOSE”	250	25	3
8489	QUICK TIE “GENERAL PURPOSE”	275	25	3



Product No.	Description	Length (mm)	Thickness (mm)	Width (mm)
8490	QUICK TIE with drip groove	130	25	3
8491	QUICK TIE with drip groove	200	25	3
8492	QUICK TIE with drip groove	225	25	3
8493	QUICK TIE with drip groove	250	25	3
8494	QUICK TIE with drip groove	275	25	3

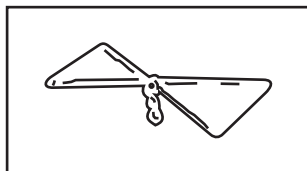


OTHER SIZES AVAILABLE ON REQUEST.

BRICK WALL SUPPORT SYSTEMS

☐ BUTTERFLY WALL TIES

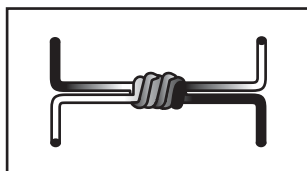
Manufactured in galvanised wire.
Used for connecting brick cavity walls.
Use approx. 3 - 4/m².
Length of tie to be at least 20mm less than total wall thickness.



	Product No.	Total length (mm)	Wire dia. (mm)	Number/bundle
	8390	180	2,5	10
	8391	200	2,5	10
	8392	225	2,5	10
	8393	250	2,5	10
	8394	275	2,5	10
	8394/325	325	2,5	10
	8395	180	3,15	10
	8396	200	3,15	10
	8397	225	3,15	10
	8398	250	3,15	10
	8399	275	3,15	10
	8399/300	300	3,15	10
	8399/350	350	3,15	10
	8399/380	380	3,15	10
	8399/400	400	3,15	10
	8399/500	500	3,15	10
	8399/530	530	3,15	10

☐ PWD WALL TIES

Manufactured in galvanised wire.
Used for connecting brick cavity walls.
Use approx. 4/m².
Length of tie to be at least 20mm less than total wall thickness.

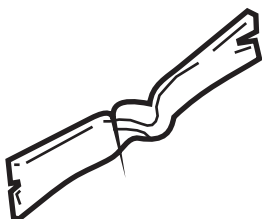


	Product No.	Total length (mm)	Wire dia. (mm)	Number/bundle
	8401	180	2,5	25
	8402	225	2,5	25
	8403	275	2,5	25
	8403/325	325	2,5	25
	8405	225	3,15	25
	8406	275	3,15	25
	8406/300	300	3,15	25
	8406/325	325	3,15	25
	8406/340	340	3,15	25
	8406/380	380	3,15	25
	8406/400	400	3,15	25
	8406/450	450	3,15	25
	8406/500	500	3,15	25
	8406/600	600	3,15	25

BRICK WALL SUPPORT SYSTEMS

☐ TWIST TIES

Manufactured in galvanised mild steel, 2,5mm thick.
Used for connecting cavity brick walls.
Very strong Wall Tie.

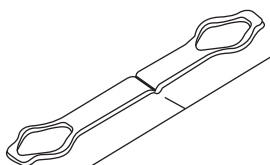


Product No.	Length (mm)	Thickness (mm)	Width (mm)
8458	200	2,5	20
8459	250	2,5	20
8460	280	2,5	20

OTHER SIZES AVAILABLE ON REQUEST

☐ WALL TIES WITH SAFETY ENDS

Similar to TWIST TIES but sharp edges have been replaced with newly developed Safety Ends.
The new Safety End further reduces mortar thickness because it is only 2,5mm thick instead of 5mm thickness of fish tail.



Product No.	Length (mm)	Thickness (mm)	Width (mm)
8455	200	2,5	25
8456	250	2,5	25
8457	280	2,5	25

☐ STAINLESS STEEL WALL TIES WITH SAFETY ENDS

Manufactured in Stainless 304. Used in coastal areas and corrosive environments.



Product No.	Length (mm)	Thickness (mm)	Width (mm)
8463	130	1,5	20
8464	200	1,5	20
8465	225	1,5	20
8466	250	1,5	20
8467	275	1,5	20

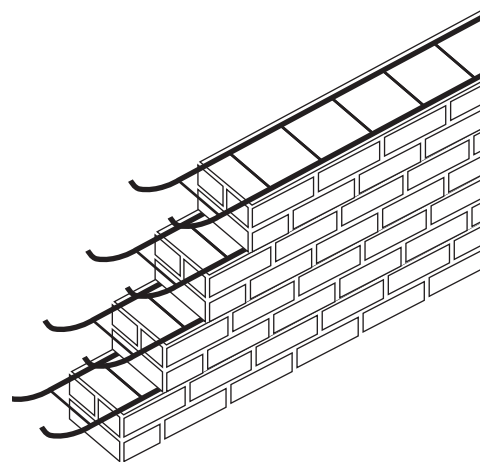
BRICK WALL SUPPORT SYSTEMS

☐ BRICKFORCE

Used for brick cavity walls and supplied in 20 m rolls of 2.8 mm wire.

Advantages:

- * Inexpensive
- * Easy to use
- * SABS approved
- * Galvanised on request



Product No.	Description	Width (mm)	Diameter (mm)	Length/Roll (m)
8201	BRICKFORCE	75	2.8	20
8202	BRICKFORCE	150	2.8	20
8203	BRICKFORCE	230	2.8	20

☐ CAST-IN CORNER GUARDS

NEW

Corner guards are cast in corners of concrete wall or columns in multi-storey car park or in industrial buildings to provide protection from possible impact from vehicles, cars or fork-lift trucks, etc.

Applications:

- * Multi-Storey Car Parks
- * Industrial Buildings
- * Concrete Buildings exposed to Parking Lots

Benefits:

- * 92° angle ensures a tight fit to the formwork. This prevents concrete seeping between the formwork and the corner profile, resulting in a smoother finish.
- * U-shaped concrete reinforced anchors do not restrict the corner reinforcement and allow easy installation of the reinforcement.
- * Anchors are of reinforcement steel quality to guarantee optimal anchorage.
- * Competitive pricing through serial production

Materials:

- * Hot Dipped Galvanised
- * Stainless Steel

Corner Guard Length: 500 - 2000mm

Anchor Length: 75 - 110mm

Anchor Spacing: 250 - 500mm

Number of Anchors: 2 - 4

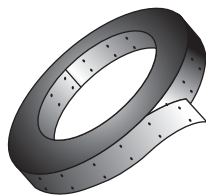
Installation: Corner Guards are nailed to formwork and the corner reinforcement secured to anchors.



BRICK WALL SUPPORT SYSTEMS

☐ HOOP IRON

Available in galvanised mild steel.
Used for connecting brickwork to columns,
attaching roofing to structures etc.



Product No.	Width (mm)	Thickness (mm)	Size/Roll (kg)
8501	32	1.6	30 - 50
8502	32	1.2	30 - 50
8503	19	1.2	30 - 50

HOOP IRON CAN ALSO BE SUPPLIED CUT TO LENGTH AS PER YOUR REQUIREMENTS.

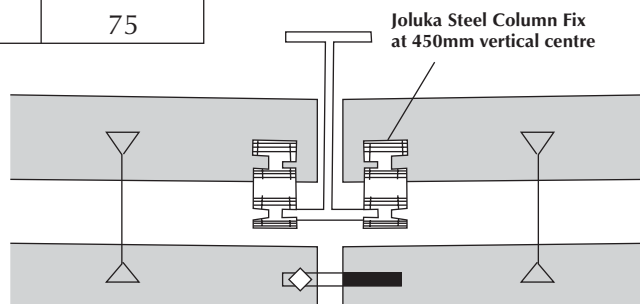
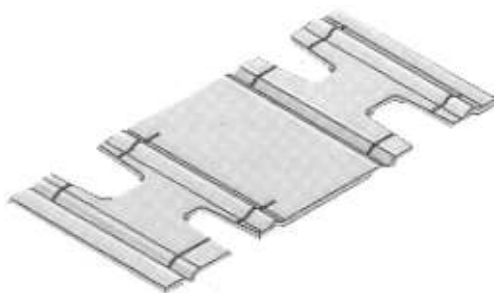
☐ JOLUKA STEEL COLUMN FIX

A new and unique system of fixing brickwork to steel structures; provides a moving joint between brick and structure while restraining the brick wall.

Simply position JOLUKA COLUMN FIX with the most suitable slot around the steel column flange during brick laying. The Tie must not be forced onto the flange and requires a minimum engagement of 10mm.

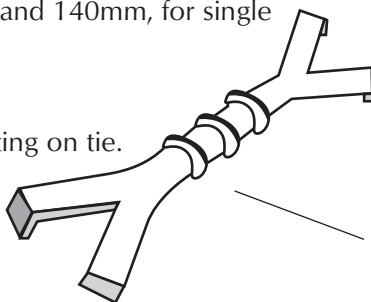
Minimum of 2 JOLUKA COLUMN FIX are used per meter with a recommended vertical distance of 450mm.

Product No.	Description	Length (mm)	Width (mm)
8498	Column Fix	150	75
8499	Column Fix	200	75



☐ POSI-TIES

Plastic Wall Ties used for brick cavity walls.
Suitable for cavities between 50 and 140mm, for single
and two-storey buildings.
Prevent internal dampness.
Smooth.
Prevent mortar droppings collecting on tie.
Corrosion free.
S.A.B.S. tested.

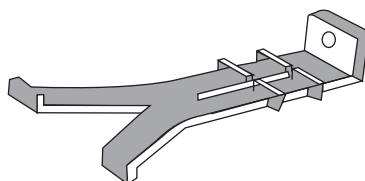


Product No.	Description	Total Length (mm)	Cavity Size (mm)
8313	PTT 1	138	0 - 50
8310	PTT 2	190	0 - 60
8311	PTT 3	230	0 - 80
8312	PTT 4	270	80 to 140

NON CORROSIVE PLASTIC

☐ BAT-TIES

Plastic tie replaces HOOP-IRON.
Nail or shoot to column; safe and easy to
install.
Same advantages as Posi-Tie.
For 20 - 50mm cavities.



Product No.	Total Length (mm)	Cavity (mm)
8350	130	25 - 50
8351	188	75

BRICK WALL SUPPORT SYSTEMS

□ JOLUKA COLUMN TIE

Newly designed and improved HOOP IRON manufactured in galvanised steel, 1.6mm thick x 32mm wide.

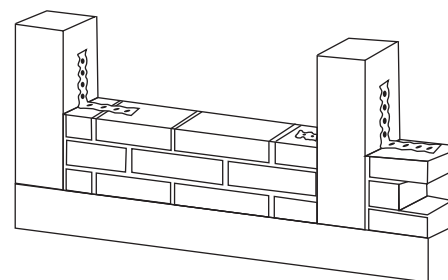
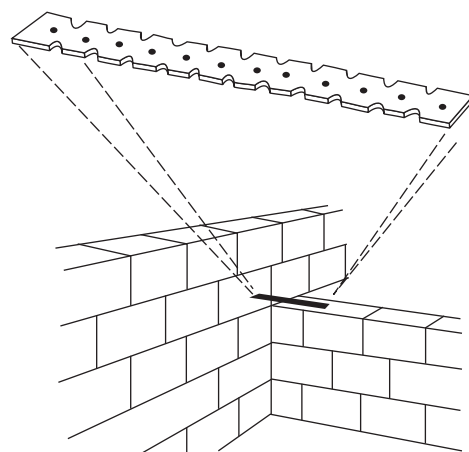
Applications:

- * Securing brickwork to columns.
- * Securing dividing walls to main wall.

Advantages:

- * More economic and cost effective than other ties.
- * Attach to column with Hilti or concrete nails.
- * Bends into brickwork as required.
- * Does not obstruct building work as it is bent downwards only when brickwork is at the correct level.
- * Holes and profiling provide anchorage to brickwork.

Product No.	Length (mm)	Width (mm)	Thickness (mm)
8450	400	32	1,6
8451	500	32	1,6
8452	600	32	1,6



Column Tie attached to Column

□ JOLUKA MULTI TIE

Manufactured in continuous galvanised mild steel 40 x 1,6mm and comprises of 4 pairs of lugs 340mm long which are bent into every 4th course of bricks (85mm). Each length covers 16 courses of bricks.

Fixing Method:

- * Start at bottom of columns and attach first strip of Multi Tie. After first tie bond has been attached continue with next etc.
- * Use the nailing holes in the middle of the location strip to shoot tie bond with 3,7mm nails to columns
- * For steel columns or wood use self tapping screws 4mm.
- * During brick laying bend out the pair of lugs after every 4th course and embed into mortar between bricks.

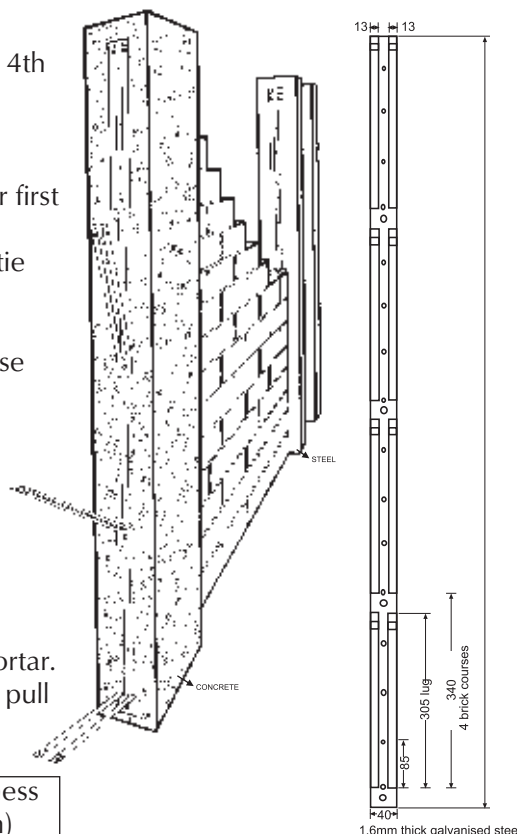
Applications:

- * Connection of brick structures to columns.
- * Connection of windows and door frames to structure.

Advantages:

- * Strong and reliable.
- * Safe connection as lugs are corrugated and do not pull out of mortar.
- * Does not require time consuming measuring of distances as lugs pull out at every 4th course.

Product No.	Description	Length (mm)	Width (mm)	Thickness (mm)
8453	Galvanised Multi Tie	1360	40	1,6



BRICK WALL SUPPORT SYSTEMS

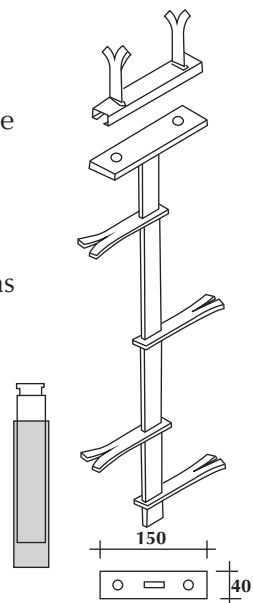
☐ JOLUKA HEAD RESTRAINT TIES

Provide the necessary restraint to the top of masonry walls while allowing vertical movement. This is necessary to accommodate shrinkage or expansion of the wall or structural frame, while resisting wind loads.

4 methods of attaching to structure or ceiling are possible:

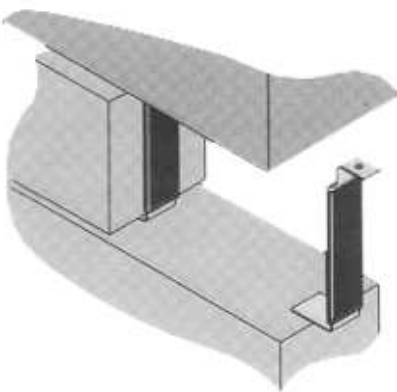
1. Cast SLIDING CHANNEL “QUICK” (prod. No. 8462) horizontally into concrete beam as per illustration. Insert L-Shaped Debonding Tie into Channel and complete brickwork.

Product No.	Description	Length	Max. Service Capacity/Stem
8462	Sliding Channel “Quick”	As Requested	1kn
8481-8494	Sliding Tie	As Requested	



2. Using SLIDING CHANNEL “QUICK” (prod. No. 8462) with Sliding Anchor Ties which can accommodate vertical movements. Cast SLIDING CHANNEL “QUICK” into ceiling or concrete beam and insert suitable Sliding Anchor into Channel. Build brick wall around this structure. The Sliding Anchors are designed to accommodate different brick sizes, different design considerations and multiple anchoring of brickwall.

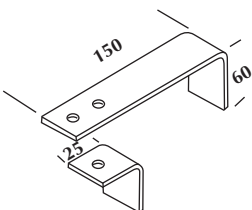
Product No.	Description	Length (mm)
8462	Sliding Channel “Quick”	150
8481-8494	Sliding Anchor Ties	150



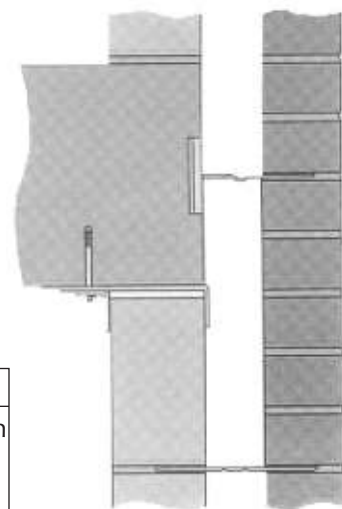
3. DOUBLE-L DEBONDING ANCHOR
Attach to underside of structure with M6 Expansion Bolt and complete brick structure around it.

Double L-Debonding Anchor bolted to concrete, restraining top of inner brick wall

4. JOLUKA HEAD RESTRAINT FIXING
Restrains the top of internal walls by means of 2 angled Ties, which are attached to the top of a structural frame with an 8mm Expansion Bolt.
Each restraint can resist a service load of 1kn.



Product No.	Description	Length (mm)
8497	Set of Head Restraint Fixing	150 x 30 with 60 tail 25 x 30 with 60 tail



Joluka Head Restraint fixed to underside of floor slab, restraining head of inner-leaf of cavity wall.

BRICK WALL
SUPPORT SYSTEMS

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE

CHOOSE FROM 3 DIFFERENT LIFTING SYSTEMS FOR PRE-CAST CONCRETE:

1. FRIMEDIA RAPID LIFT
2. CAST-IN STEEL SOCKET SYSTEM
3. SPHERICAL HEAD LIFTING STUD SYSTEM

1. ☐ RAPID LIFTING ANCHORS FOR PRE-CAST CONCRETE

General:

- * Rapid Lift Anchor Systems, used world-wide, has proved to be safe, economical and efficient. Due to its variety, it can be used in practically every aspect of handling and installing pre-cast concrete products.

Safety:

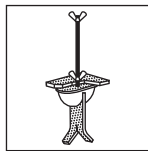
- * Reinforcement is not mandatory for the anchor (except 2-Hole Anchor), but may be used.
- * Ring Clutch engagement of anchors is always positive and pulls in any direction are possible.
- * Overloaded units visibly deform and can be removed before failure.

Economy:

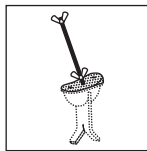
- * Anchors are inexpensive.
- * Ring Clutch is suitable for a variety of anchors and is very durable.
- * Simple and rapid Clutch operation; can not be matched by any other system.



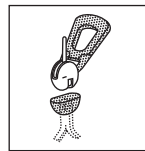
Using Rapid Lifting Anchors



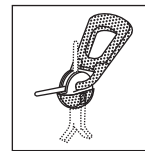
The anchor is inserted into the plastic Recess-Former, which is bolted to the mould.



Prior to lifting, the plastic Recess-Former is removed.



The Anchor is revealed within its recess and is ready for Ring Clutch acceptance.

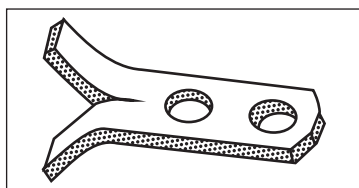


The Ring Clutch is inserted over the Anchor and secured by turning the Ring Clutch Bolt.

Description		Product No.	2,5 Tonne Load Range [Load (t) x Length(mm)]	Product No.	5 Tonne Load Range [Load (t) x Length(mm)]	Product No.	10 Tonne Load Range [Load (t) x Length(mm)]
Ring Clutch		6700-02-3641		6700-05-3642		6700-10-3643	
Plastic Recess Former		6760-02-3691		6760-05-3692		6760-10-3693	
Supporting Plate		6798-02-3736		6798-00-3692		6798-10-3738	
Support Bolt		6785-00-1881		6785-00-1881		6785-00-1884	
Bayonet Bolt		6787-00-1891		6787-00-1891			
Spread Anchor		6610-02-3460 6610-02-3462 6610-02-3466 6610-02-3470	0,7 x 110 1,4 x 160 2,0 x 160 2,5 x 200	6610-05-3474 6610-05-3478 6610-05-3482	3,0 x 160 4,0 x 180 5,0 x 190	6610-10-3491	7,5 x 250
Two-Hole Anchor		6610-02-3514 6610-02-3517 6610-02-3519 6610-02-3521	0,7 x 90 1,4 x 80 2,0 x 90 2,5 x 90	6610-05-3525 6610-05-3527	4,0 x 120 5,0 x 120		
Erection Anchor		6640-02-3560 6640-02-3561	1,4 x 200 2,5 x 230	6640-05-3563	5,0 x 290		

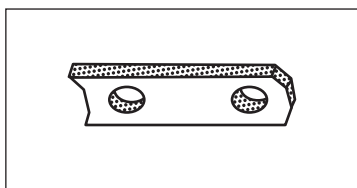
MANY OTHER SIZES ARE AVAILABLE. LOAD RANGES EXCEEDING 7,5 T UP TO 22 T CAN BE SUPPLIED ON REQUEST. PLEASE ENQUIRE WITH REGARD TO A COMPREHENSIVE CATALOGUE.

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE



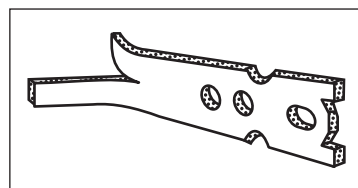
Spread Anchor

General purpose Anchor for use without additional reinforcement for top lifting.



2-Hole Anchor

Anchor for use with reinforcing tail where concrete is of inadequate strength to support Spread Anchor.



Erection Anchor

Specially adapted Spread Anchor for edge lifting of thin panels without tilting table.

Description	Product No.	Load Range
Universal Anchor	6340-01-3770	1,25 x 120
Ring Clutch	6400-01-3780	1,25
Recess Former	6460-01-3795	1,25
Supporting Plate	6498-01-3725	1,25

Universal Anchor System 1,25 t

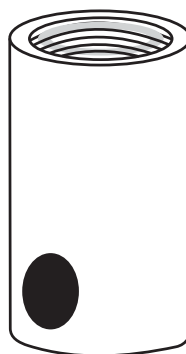
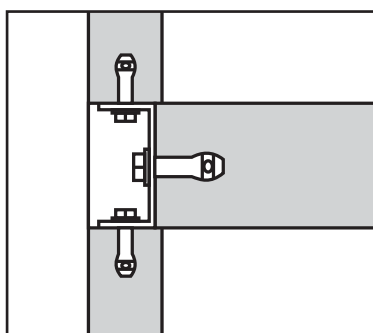
Special unit for lifting light weight concrete units up to 1,25 t. Anchors are equipped with 2 holes and lugs for erection.

2. ☐ CAST-IN STEEL SOCKETS FOR PRE-CAST CONCRETE FIXING

May be used for in-situ concrete or pre-cast concrete panels.

U-shaped reinforcing must be passed through the hole provided in the socket for anchoring concrete panels.

Mainly used for fixing or attaching pre-cast concrete products to in-situ buildings. Special care must be taken when used for lifting pre-cast concrete products.



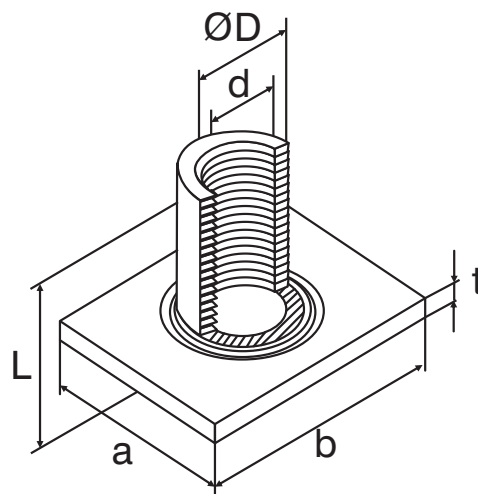
Product No.	Thread Size	Length of socket (mm)	O.D. of socket (mm)	Hole Dia. (mm)	Max load at tension (Safety factor 5)
8608	M 8	40	10	6	240
8610	M 10	50	16	8	420
8612	M 12	60	16	8	530
8616	M 16	75	20	11	1200
8620	M 20	75	27	15	1590
8624	M 24	100	35	19	2040
8630	M 30	125	40	21	4000

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE

□ FLAT FOOT LIFTING SOCKET

FLAT FOOT LIFTING SOCKET is ideal for large, thin precast concrete components such as slabs and shells, on which it's hard to place normal lifting sockets because of the thickness of the component. Additional reinforcement must be used to transmit the load into the concrete. Supplied galvanised.

Product No.	Thread Size d	Dimensions (mm)					Max. Load (kg)
		D	a	b	t	L	
8610 F	M 10	15.0	25	35	4	30	420
8612 F	M 12	18.0	35	35	4	33	530
8616 F	M 16	15.0	25	50	4	35	1200



□ "SCHROEDER" LIFTING LOOPS WITH FORGED HEAD

Used for lifting pre-cast concrete units with built-in Sockets.

Thread of Forged Head must be screwed completely into Cast-In Socket for maximum safety.

Recommended for lifting from the top only.

Permissible load with a safety factor of 5.

	Product No.	Thread size on forged head	Degree of angle α axial				
			0°	10°	30°	45°	90°
	8708	M 8	900	800	430	350	300
	8710	M 10	1200	1150	750	500	500
	8712	M 12	1600	1500	800	600	600
	8716	M 16	1750	1700	1500	1300	920
	8720	M 20	3400	3200	2400	1600	1450
	8724	M 24	3500	3400	3200	2700	1750
	8730	M 30	4000	3900	3700	3200	2000

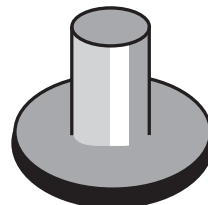
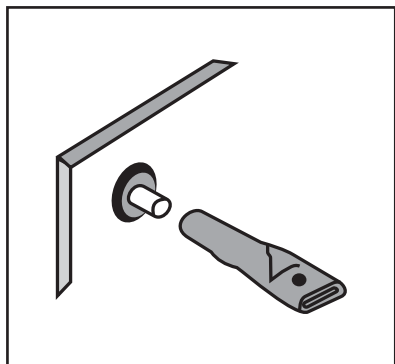


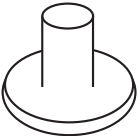
"Goliath" Schroeder System

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE

☐ SOCKETFIX I PUSH ON TYPE

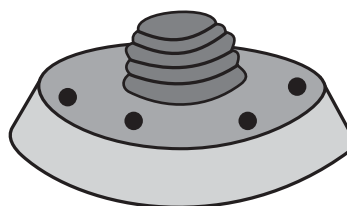
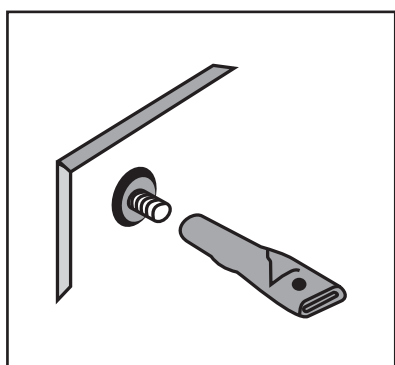
A plastic mounting plate for Steel Sockets from M8-M24. SOCKETFIX to be screwed, glued or nailed to mould, before attaching Steel Socket. Mounting plate is 1 - 2mm thick (allow recess of 1 - 2mm) and diameter of disc is 18 - 45mm. When dismantling mould, SOCKETFIX stays on mould for reuse.



	Product No.	Used With	Disc Dia. (mm)
	8808	M 8	18
	8810	M 10	22
	8812	M 12	25
	8816	M 16	31
	8820	M 20	37
	8824	M 24	45

☐ SOCKETFIX II SCREW ON TYPE

Height of SOCKETFIX is 10mm - forms recess of 10mm in concrete product which keeps Socket clean. Steel Socket to be screwed onto SOCKETFIX.



	Product No.	Used With	Disc Dia. (mm)
	8910	M 10	58
	8912	M 12	58
	8916	M 16	58
	8920	M 20	58
	8924	M 24	58

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE

☐ LIFTING CLUTCH FOR SPHERICAL HEAD LIFTING STUDS

The lifting clutch is a quick and reliable lifting device to work with the spherical head anchors, our clutches are all proof load tested in workshop.

Material:

* High strength steel, black or galvanized.

Prod. No.	Dimensions (mm)					
	Load Range Kg	L	L1	e	w	t
6413	1300	190	80	30	55	12
6425	2500	210	90	40	56	14
6450	5000	270	115	45	69	20
6460	7500 & 10000	365	160	75	90	25



☐ SPHERICAL HEAD LIFTING STUDS

Lifting Stud is suitable for lifting precast concrete pipes and slabs. The round foot transfers the load into the concrete thus reaching high permissible load even with relatively short anchor length. Longer lengths are used for reduced edge space or reduced concrete strengths.

Material:

* High strength steel, black.



Prod. No.	Description	Size				
		Load Range (T)	Length (mm)	ØD (mm)	Ød (mm)	Øb (mm)
6513/65	Spherical Head Lifting Studs 1.3Tx65	1,3	65	19	10	25
6513/85	Spherical Head Lifting Studs 1.3Tx85	1,3	85	19	10	25
6513/120	Spherical Head Lifting Studs 1.3Tx120	1,3	120	19	10	25
6525/85	Spherical Head Lifting Studs 2.5Tx85	2,5	85	26	14	35
6525/120	Spherical Head Lifting Studs 2.5Tx120	2,5	120	26	14	35
6525/170	Spherical Head Lifting Studs 2.5Tx170	2,5	170	26	14	35
6550/120	Spherical Head Lifting Studs 5Tx120	5,0	120	36	20	50
6550/180	Spherical Head Lifting Studs 5Tx180	5,0	180	36	20	50
6575/120	Spherical Head Lifting Studs 7.5Tx120	7,5	120	46	24	60
6575/170	Spherical Head Lifting Studs 7.5Tx170	7,8	170	46	24	60

LIFTING AND ANCHORING SYSTEMS FOR PRE-CAST CONCRETE

☐ LIFTING STUD RECESS FORMER

Made of high grade plastic and accepts lifting studs for attaching to mould.

Prod. No.	Description	Load Range t
6813	Recess Former 1,3T for Spherical Studs	1,3
6825	Recess Former 2,5T for Spherical Studs	2,5
6850	Recess Former 5,0T for Spherical Studs	5,0
6810	Recess Former 10T for Spherical Studs	10,0



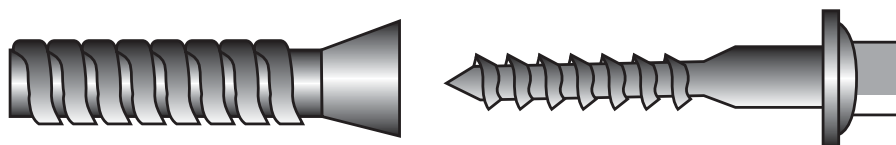
☐ COACH SCREW SYSTEM

Manufactured according to DIN and SAR CCE1/9.

Use:

- * Temporary and permanent railway lines in tunneling, mining and by SAR.
- * For fixing and attaching in construction.

Prod. No.	Desc.	Material	Length (mm)	Diameter (mm)
8791	Plastic Socket	HDPE	170	24
8792	Coach Screw	Forged steel	160	24



STEEL REINFORCING CONNECTIONS

□ JOLUKA STEEL HOLLOW BOX FOR PULL-OUT BARS

Our PULL-OUT BAR system consists of a steel casing (base and interlocking lid) with built in PULL-OUT BARS manufactured in grade 500 S steel.

Steps in use:

1. On site attach the STEEL HOLLOW BOX WITH PULL-OUT BAR units to the main steel cage with wire and/or to shutter with nails or wire.
2. After casting concrete and removing shutter, strip steel lid from casing to reveal the connecting legs of the PULL-OUT BARS.
3. Straighten bars with our bending tool specially designed to avoid leaving a kink in the bend. Scaffolding or similar tubes do not guarantee adequate straightening hence are not

permissible.

4. PULL-OUT BARS are now ready to be lapped to main reinforcement.

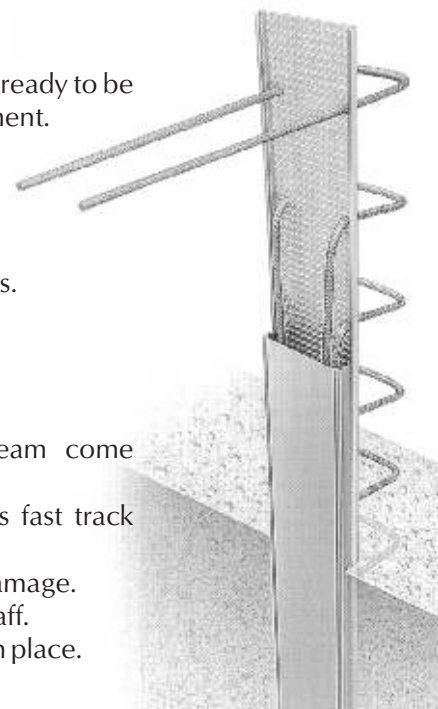
Applications:

- * Walls.
- * Floor slabs.
- * Continuous Lift Shaft Pours.
- * Balconies.
- * Staircase landings.

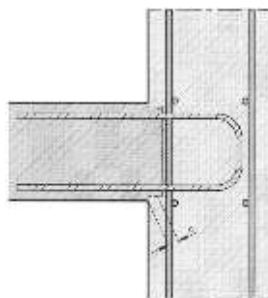
Benefits:

(a Structural Engineers dream come true)

- * Time saving therefor suits fast track construction.
- * No formwork drilling or damage.
- * Easy to use for unskilled staff.
- * Starter bars are correctly in place.
- * Best shear connection.



Product No.	Total Unit Length (mm)	Total Unit width (mm)	Bar Diam. (mm)	Distance Between Bars (mm)	Lap length of Bar (mm)	For Wall or slab thickness (mm)
4951	1250	150	10	150	400	150 +
4952	1250	150	12	150	480	150 +
4953	1250	150	10	200	400	150 +
4954	1250	150	12	200	480	150 +
4955	1250	190	10	150	400	190 +
4956	1250	190	12	150	480	190 +
4957	1250	190	10	200	400	190 +
4958	1250	190	12	200	480	190 +
4959	1250	220	10	150	400	220 +
4960	1250	220	12	150	480	220 +
4961	1250	220	10	200	400	220 +
4962	1250	220	12	200	480	220 +
4963	1250	270	10	150	400	270 +
4964	1250	270	12	150	480	270 +
4965	1250	270	10	200	400	270 +
4966	1250	270	12	200	480	270 +



STEEL REINFORCING CONNECTIONS

☐ HALFEN CAST-IN CHANNELS (OR SIMILAR)

MATERIALS:

Channels are rolled from mild steel Grade S 235 or S 275 or hot dip galvanised, or in stainless steel Grade 304 or 316. T-head bolts are drop forged so that the T-head and shank are formed in one. Can be supplied in carbon steel and bright zinc plated or stainless steel 304 or 316.

ANCHORS:

Normal Anchor designs are bolt type fixed to the Channel during manufacture. Normal spacing of Anchors is 250mm.

USE:

Channels are fixed to formwork prior to casting. After removing formwork each channel provides a slot into which T-head bolts can be fixed.

HALFEN HOT ROLLED CHANNELS OR SIMILAR

for dynamic loads



Product No.	Size (mm) w x d	Max Load Per Bolt (kN)	T-Head Bolt M x length (mm)	Allowable Load Pull-Out (kN)	Allowable Load Longitudinal Max (kN)
HTA 72/48	72 x 48	32	24 x 100	32	12.5
HTA 52/34	52 x 34	25	20 x 100	25	10.5
HTA 40/22	40 x 22	10	16 x 100	8	7

HALFEN COLD FORMED CHANNELS OR SIMILAR

for static loads



Product No.	Size (mm) w x d	Max Load Per Bolt (kN)	T-Head Bolt M x length (mm)	Allowable Load Pull-Out (kN)	Allowable Load Longitudinal Max (kN)
HTA 54/33	54 x 33	25	20 x 100	25	10.5
HTA 49/30	49 x 30	25	20 x 100	25	10.5
HTA 40/25	40 x 25	10	16 x 100	8	7
HTA 38/17	38 x 17	7	16 x 100	6	7
HTA 25/15	25 x 15	6	12 x 100	6	6

HALFEN CHANNELS WITH TOOTHED LIPS

for longitudinal loads

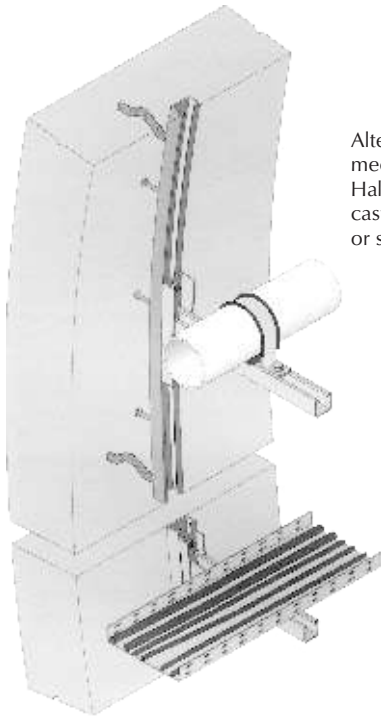


Product No.	Size (mm) w x d	Max Load Per Bolt (kN)	T-Head Bolt M x length (mm)	Allowable Load Pull-Out (kN)	Allowable Load Longitudinal Max (kN)
HTA 38/23	38 x 23	12	16 x 100	12	12
HTA 29/20	29 x 20	8	12 x 100	8	8
HTA 41/22	41 x 22	8	12 x 100	8	5.5

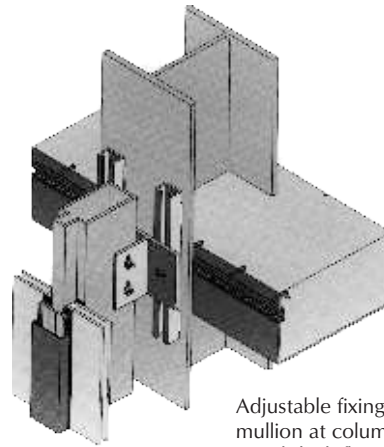
For detailed information and specs please request our comprehensive catalogue "Halfen Cast-in Channels" or go to www.halfen.co.uk

STEEL REINFORCING CONNECTIONS

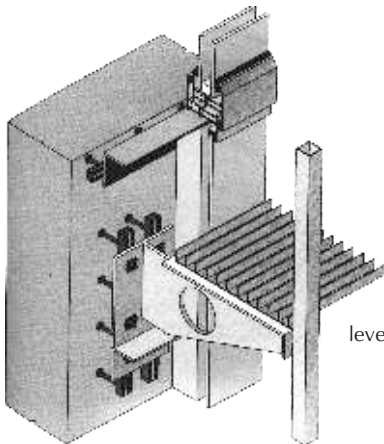
□ APPLICATIONS FOR HALFEN CAST-IN CHANNELS



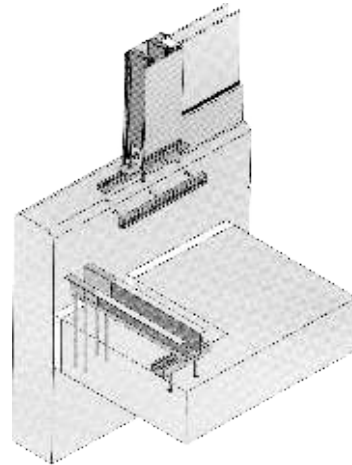
Alternative fixing details for mechanical services in tunnels: Halfen channel either adapted for casting into gun-applied concrete or surface-bolted to concrete segment units.



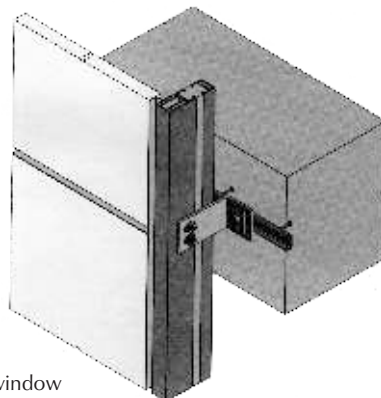
Adjustable fixing to steelwork for curtain mullion at column and cast-in channel in metal deck flooring for intermediate mullion fixings.



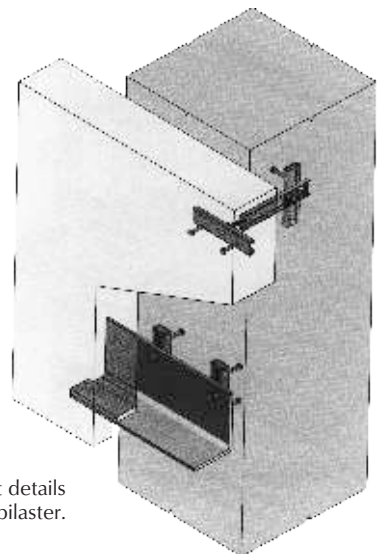
Fixings for sun screen/walkway with levelling adjustment, and also for glazing system with fire stopping



Typical cast-in channel support fixing for window mullion on top of spandrel panel, with alternative fixing position shown on back of panel. (Spandrel panel shown carried on Halfen parapet corbel type BRA-A, set out and adjusted on HTA channel.)



Typical support and restraint details for pre-cast concrete pilaster.



Stocks are limited, please allow +/- 5 weeks for delivery

STEEL REINFORCING CONNECTIONS

□ HALFEN SHEAR DOWEL SYSTEM

Introduction:

HALFEN SHEAR DOWEL SYSTEM is a high load shear connector system to support floor slabs at movement joints. Each part of the HALFEN SHEAR DOWEL SYSTEM whether the sleeve or the dowel, is supplied complete with support box and vertical anchor rods allowing high shear loads to be transferred efficiently between concrete members.

Movement:

The sleeve load connector system allows for movement by sliding of the dowel inside the sleeve. In addition the sleeve in the first pour may be oval shaped which allows for lateral/transverse movement while still taking the full vertical load.

Method of Use:

The support box and sleeve (either round or oval) are nailed to the formwork and cast into the first pour. The formwork is stripped and the dowel pin and its support box are inserted ready for the second pour. Design gap and fill material specified by others.

Materials:

All components are grade 316 stainless steel.

Load Range:

HALFEN SHEAR DOWEL SYSTEMS are suitable for loads ranging from 50kN to 795 kN. A guide to the most common sizes is given in the table below. For greater loads please contact Joluka.

The effects of

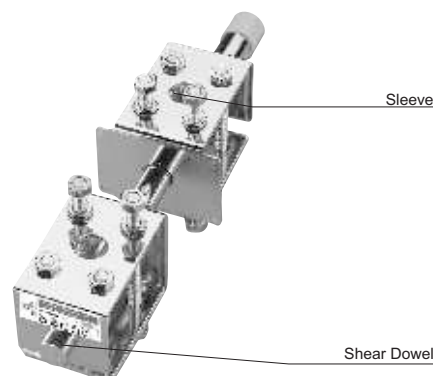
- shrinkage
- temperature
- creep in case of post-tensioning
- subsidence

require constructive measures in large supporting frameworks.

Movement joints prevent the uncontrolled formation of cracks and the subsequent damage that arises from this as a result of leakage and corrosion.

Advantages:

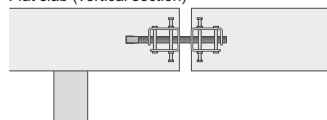
- * Simple geometry of the formation of the joint.
- * Simple formwork and time saving installation.
- * Simple reinforcement layout.
- * Gain in space through avoidance of double supports.
- * Cost saving and gain in space through staged erection of the construction elements.



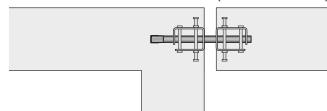
The solution:

the HALFEN HSD Shear dowel system

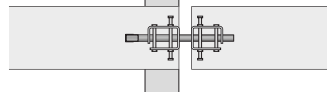
Flat slab (vertical section)



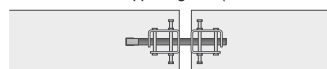
Slab connection with console (vertical section)



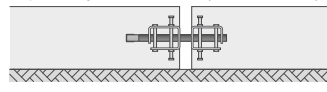
Double column replaced by a single column (vertical section)



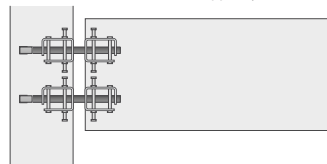
Connection of a supporting wall (horizontal section)



Expansion joint in floor slab (vertical section)

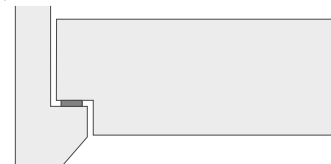
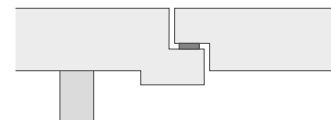


Connection between beam / support (vertical section)



Conventional:

problems with conventional design



Product No.	Description	Max. Load (20mm joint) (kN)	HSD- (V)	Dowel Diam (mm)	Min. Component Thickness cm
HSD 122	HALFEN SHEAR DOWEL SYSTEM 22mm	99	122	22	18
HSD 124	HALFEN SHEAR DOWEL SYSTEM 22mm	123	124	24	20
HSD 128	HALFEN SHEAR DOWEL SYSTEM 22mm	176	128	28	24
HSD 134	HALFEN SHEAR DOWEL SYSTEM 22mm	248	134	34	30
HSD 140	HALFEN SHEAR DOWEL SYSTEM 22mm	348	140	40	35
HSD 145	HALFEN SHEAR DOWEL SYSTEM 22mm	450	145	45	42

STEEL REINFORCING CONNECTIONS

□ HGC GRIP CONNECTOR

The HGC GRIP CONNECTOR is a simple solution for joining reinforcing bars, particularly suitable when one bar is already fixed in position. The bars are locked in the Coupler by a series of screws which shear off when tightened to the required torque. The force from the screws causes the rebar deformations to interlock within the coupler. The screws embed themselves into the rebar surface. The dual mechanical action results in a full positive connection for transferring tension or compression force from bar to bar.

Advantages:

- * Slim socket dimensions allow smaller bar distances
- * All diameters in stock - short delivery times
- * Also permitted for dynamic loads
- * The rod ends require no pretreatment - universally applicable
- * Quick and simple connection with sheared-o screws
- * Coupling even possible with bars which can not be turned

Product Features:

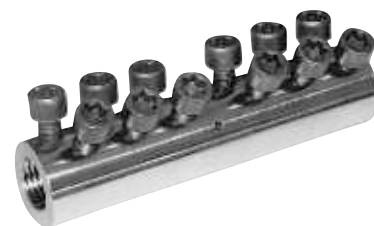
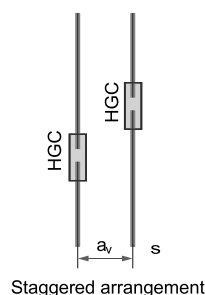
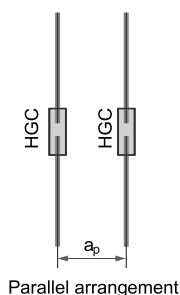
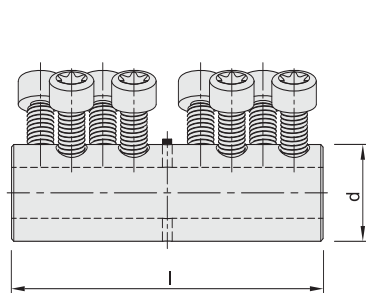
- * Mechanical coupler for concrete reinforcement bars with diameters of 8 - 40mm
- * 100% load transfer like continuous reinforcement bar - for tensile and compressive loads
- * Mechanical interlocking by self regulating clamping etc inside the HGC sleeve
- * Slip < 0,1mm (at 300N/mm²)
- * Qualified for loads not resulting from predominantly static loads

Areas of Application:

- * Reinforced concrete, general building construction and civil engineering works
- * Bridge construction
- * Pile foundations
- * Chimneys
- * Repair works - perfect for reconstruction and accidentally cut bars

Bar Spacing:

The clear spacings are based on DIN 1045-1 regulations and result from the minimum spacings required for assembly (see table below).



Product No.	Description	d _s (mm) reinforc. steel	Reduction (mm)	d (mm)	l (mm)	HGC Screws			Min. Centre spacing (mm), arrangement	
						No. Screws	Thread	TORX	- parallel a _p	- staggered a _v
HGC 8/10	HGC GRIP CONNECTOR 8-10mm	8/10	10 - 8	26,5	76	4	M10	T55	50	40
HGC 12	HGC GRIP CONNECTOR 8-10mm	12	12 - 10	31,8	100	6	M10	T55	65	45
HGC 14	HGC GRIP CONNECTOR 8-10mm	14	14 - 12	38,0	112	6	M12	T60	75	50
HGC 16	HGC GRIP CONNECTOR 8-10mm	16	16 - 14	38,0	140	8	M12	T60	75	50
HGC 20	HGC GRIP CONNECTOR 8-10mm	20	20 - 16	48,3	164	8	M14	T70	100	75
HGC 25	HGC GRIP CONNECTOR 8-10mm	25	25 - 20	54,0	216	10	M16	T80	120	100
HGC 28	HGC GRIP CONNECTOR 8-10mm	28	28 - 20	60,3	252	12	M16	T80	120	100
HGC 32	HGC GRIP CONNECTOR 8-10mm	32	32 - 28	70,0	310	12	M18	T90	130	110
HGC 40	HGC GRIP CONNECTOR 8-10mm	40	40 - 32	82,5	400	14	M20	T100	130	110

STEEL REINFORCING CONNECTIONS

□ BARTEC STEEL REINFORCING COUPLERS

BARTEC is a parallel threaded mechanical splicing system for the connection of concrete reinforcing bars by means of couplers.

Advantages:

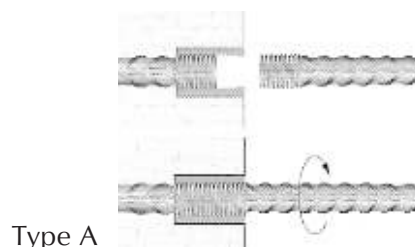
- * Provides continuity of reinforcing bars.
- * Quick installation of form work without damage thereof.
- * No staggering of splice bars and eliminates bar congestion.
- * No drilling and tapping necessary any longer.
- * No steel wastage.
- * Shortens construction cycle time.
- * Couplers and exposed thread are protected by plastic cap.
- * Manufactured according to BS8110, UBC1997 & DIN 1045.
- * Manufactured under strict ISO 9001.
- * No reduction of the bar cross section area.
- * Strength of coupler exceeds bar strength when under tensile load, therefore failure occurs away from the joint.



□ SPLICING METHODS

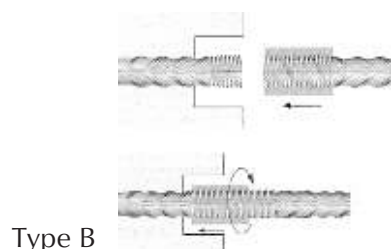
STANDARD SPLICE

Easy connection by bar rotation until thread is fully engaged.
Parallel thread: No risk of thread mis-match. No risk of cross-threading.

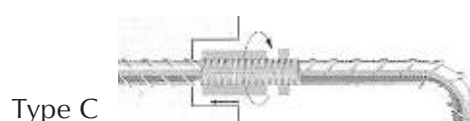


POSITION SPLICE

Even when both bars cannot be turned, the BARTEC system uses a standard BARTEC COUPLER (exactly the same as used for type A):
The coupler is fully engaged onto the extended thread of the connection bar. The assembly is simply completed by butting the bars end to end and screwing back the coupler onto the first bar until it is fully engaged.



This assembly method is similar to Type B, with the addition of a lock-nut to maintain the second bar in position.



MECHANICAL ANCHORAGES

A convenient alternative to hooked bars to provide end anchorages in congested areas.

BARTEC standard anchorage heads are circular and have a net bearing area of 4 times or 9 times the cross-section of the bar, but can be specified in other shapes or dimensions to fit the application requirement.

Product No.	Description	Bar Diam. (mm)	Metric Thread x pitch	Length (mm)	OD (mm)
4940	BT Coupler + Bar Y16 F	16	M20 x 2.5	40	28
4941	BT Threaded Bar Y16 M	16	M20	as req.	16
4942	BT Coupler + Bar Y20 F	20	M20 x 3.0	48	34
4943	BT Threaded Bar Y20 M	20	M20	as req.	
4944	BT Coupler + Bar Y25 F	25	M30 x 3.5	60	42
4945	BT Threaded Bar Y25 M	25	M30	as req.	
4946	BT Coupler + Bar Y32 F	32	M36 x 4.0	72	52
4947	BT Threaded Bar Y32 M	32	M36	as req.	
4948	BT Coupler + Bar Y40 F	40	M45 x 4.5	90	65
4949	BT Threaded Bar Y40 M	40	M45	as req.	

STEEL REINFORCING CONNECTIONS

□ JOLUKA PUNCHING SHEAR REINFORCEMENT

NEW

Advantages of HDB Shear rails



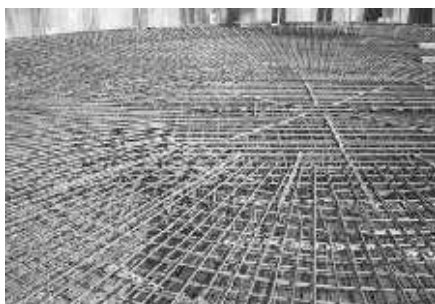
Installation:

- * simple and quick installation
- * reduced build-time
- * no caging required as with stirrup reinforcement
- * installed after placing the main upper and lower longitudinal reinforcement



Planning:

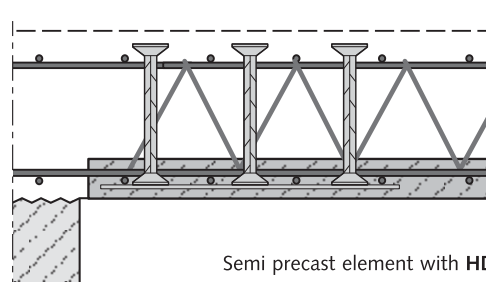
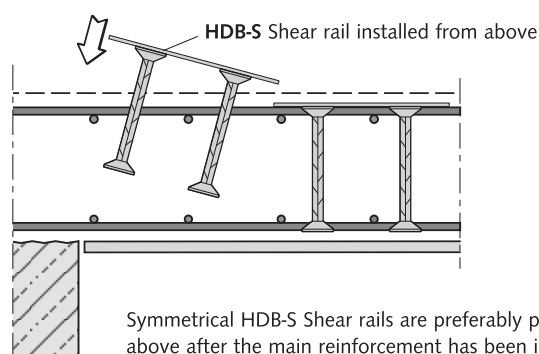
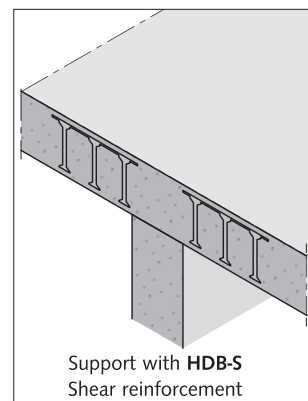
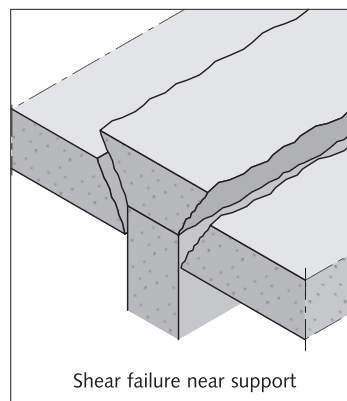
- * building authority approved as punching shear reinforcement in slabs, foundation slabs and footings
- * HDB Shear rails can also be used in precast elements and semi-precast elements
- * also approved for non- predominantly static loads
- * standardised product range for typical dimensions



Safety:

- * European-wide building authority approved by the German Institute for building technology (DIBt) in Berlin
- * simple visual control of installed elements
- * negligible slippage of anchorage in the shear reinforcement
- * correct concrete cover ensured with matching accessories (spacers and clamps)

Shear load capacity for reinforced concrete slabs must be verified according to EN 1992-1-1:2011-01 in all shear cross-sections. The regulations according to the National Annex must also be observed.



Shear load capacity for reinforced concrete slabs must be verified according to EN 1992-1-1:2011-01 in all shear cross-sections. The regulations according to the National Annex must also be observed.

STEEL REINFORCING CONNECTIONS

☐ HALFEN HLX LIFT BOX

NEW

An attachment point for lifts that ensures a reliable, safe, temporary attachment for hoisting apparatus, speed governors/limiters, motors and other equipment during installation or maintenance of the lift.

Benefits:

- * High load capacity (1,500kg, 2,000kg, 4,000kg).
- * Version with cable loop and chain link.
- * Automatic falling out and locking chain link.
- * Distortion-proof.
- * Box cover is automatically removed with shell.
- * Breaking point box lid.
- * Suitable for small component thicknesses.
- * CE mark according to ETA (European Technical Assessment).

Permissible Weight: 1500 - 4000kg

Slab Thickness: 150 - 220mm

Lift Box Height: 75 - 110mm

Anchor Spacing: 133 - 209.5mm

Installation: The Lift Box is delivered to site as a ready-to install solution. It is used for the transmission of predominantly static loads. Rotation locking guaranteed. Due to it's low overall height, it can be used in slab thickness from as little as 150mm.



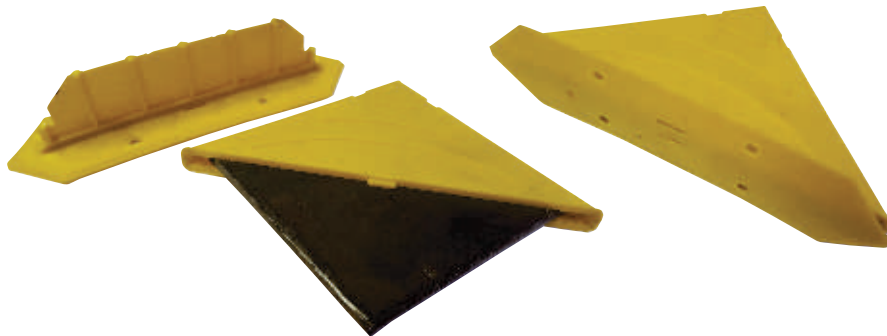
STEEL REINFORCING CONNECTIONS

□ JOLUKA DIAGONAL DOWEL

NEW

The Joluka Diagonal Dowel is designed to achieve superior load transfer at construction joints. Traditional round dowels that are not installed correctly and not aligned perfectly perpendicular, will restrain contraction of the slabs and cause significant cracking. The Joluka Diagonal Dowel eliminates all risk associated with traditional methods.

The shape of the Joluka Diagonal Dowel allows the slab to move horizontally in all directions without restraint. It is designed to withhold the maximum amount of bearing area adjacent to the joint where the bearing, shear and flexural stresses are the highest.



Product No.	Description	Dimensions (mm)
6900	Joluka Diagonal Dowel	114mm x 114mm x 6mm



INSTALLATION PROCEDURE FOR CONSTRUCTION JOINTS:

1. Spacing of JOLUKA DIAGONAL DOWELS is to be provided by design engineer.
2. Mark the form at the specified centres then screw/rivet or wire the base plate to the form. Use four number fixtures per base. Be careful to maintain proper alignment and ensure the base is parallel with the top of the form. Wire can also be used to fasten the base against steel shutters instead of screws.
3. Stake forms to correct level and line as per normal.
4. Slip the sleeve over the base and ensure that it clips firmly into place.
5. Place, consolidate and finish the concrete in the first slab. Vibrate the concrete adjacent to the form to ensure proper compaction around the sleeve. No dowels penetrate the form and there is nothing to impede the edge finishing.
6. Strip the form. The forms remove with ease if they are pulled from one end first. The base should remain attached to the form for re-use.
7. Slide the Steel Plate into the Sleeve (now cast into the first slab). The second slab can now be cast. Again vibrate the concrete adjacent to the form to ensure compaction around the JOLUKA DIAGONAL DOWEL Plate.



SAFETY PRODUCTS

☐ SHADE NETTING

Manufactured in 40% - 80% polypropylene 3% UV stabilised shade net.

Uses:

- * Fencing in of building sites.
- * Screening of building.
- * Hiding building facades during construction or alterations.
- * As Debris Net to catch small & light parts during construction.
- * Demarcating of walk ways during construction.
- * Car park shades.
- * Hail nets.
- * Horticultural nets.



Product No.	Height (m)	Length/Roll (m)	Shade (%)	Weight (g/m2)	Colour
FENCING					
972	1.8	50	80	165	Green
989	1.8	50	80	240	Green
989	1.8	50	80	240	Black
989	1.8	50	80	240	Blue
989	1.8	50	80	240	Brown
989	1.8	50	80	240	Red
BUILDING					
991	3.0	50	80	165	Green
AGRICULTURE					
973	3.0	50	40	75	Green
973	3.0	50	40	75	White
CAR PORTS					
991	3.0	50	80	240	Silver
992	3.0	50	80	240	Charcoal

NEW



SAFETY PRODUCTS

SAFETY PRODUCTS

☐ BRANDED SHADE NET

Manufactured in 80% polypropylene 3% UV stabilised Shade Net with a weight of 240g/m². Choose from 1.8m high x 50m long rolls in a variety of colours. Rolls are supplied in 50m lengths. Joluka 80% Shade Net has 50% more material than conventional 80% Shade Net, therefore offering you 50% more strength, 50% longer lifespan and more density. Your selected logo will be printed in one-color. You can choose between 5 or 10 logos per 50m roll. Maximum Logo width is 2.2m. Height of logo to scale accordingly. Minimum Order Quantity is 3 Rolls for Rolls with 10 Logos printed and 5 Rolls for Rolls with 5 Logos printed.

Applications:

- * Fencing in of building sites
- * Screening of buildings
- * Hiding building facades during construction or alterations
- * Demarcating of walk ways during construction
- * Car park shades

NEW



1.8 x 50m
240gsm Black Net



1.8 x 50m
240gsm Blue Net



1.8 x 50m
240gsm Brown Net



1.8 x 50m
240gsm Green Net



1.8 x 50m
240gsm Red Net



SAFETY PRODUCTS

STAR ORANGE FENCING

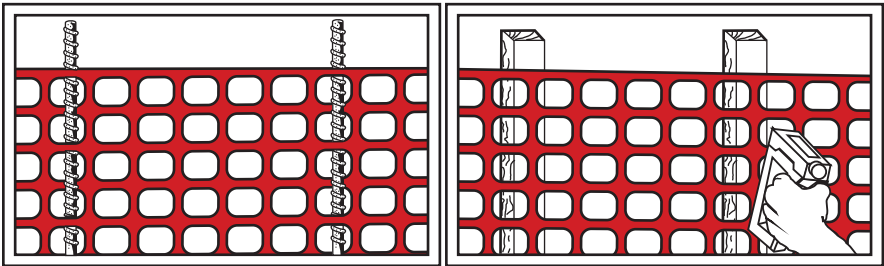
The unique orange safety fencing is made from environmentally friendly HDPE. It is produced through the use of a new extrusion process hence offers good strength and flexibility.

Application:

- * Temporary plastic fencing for building sites and road works.
- * Re-directing of traffic at airports, on sports fields, etc.
- * Demarcating dangerous areas in construction.

Benefits:

- * Orange in colour, hence highly visible.
- * High screening properties.
- * Easy and quick installation.

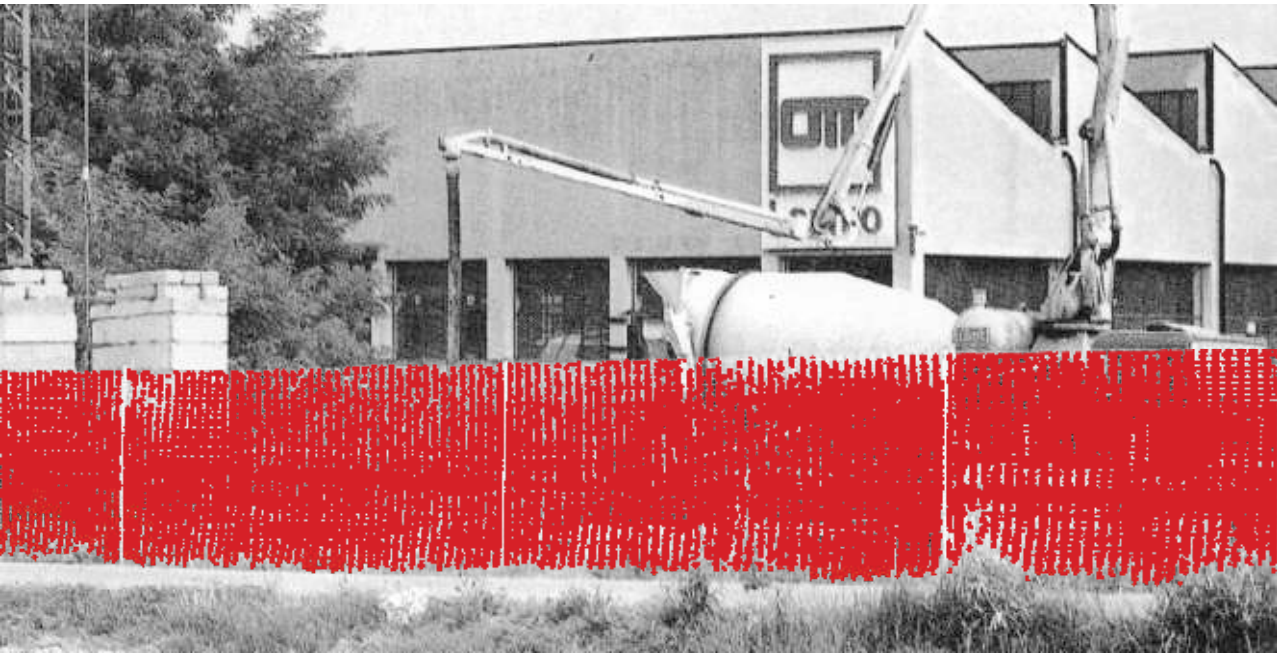


- * Eliminates line wire and requires fewer posts.
 - * Can be used over and over again.
 - * Not bulky and can be stored easily.
 - * Not affected by weather, hence does not rot.
- STAR ORANGE FENCING is not an alternative but THE SOLUTION and replaces traditional fencing all over the world.

Product No.	Description	Height (m)	Length/ Roll (m)	Weight per Roll (kg)	Longitudinal Direction		
					Max. Resistance Of Test Unit (kg/unit)	Total Resistance Max. Over Total Width (kg)	Breaking Elongation (%)
981	Orange Barrier Fencing	1.0	50	10.2	8	175	70
984	Orange Barrier Fencing	1.2	50	13	8	150	80

STAR ORANGE FENCE

Temporary plastic fencing for building sites and road works



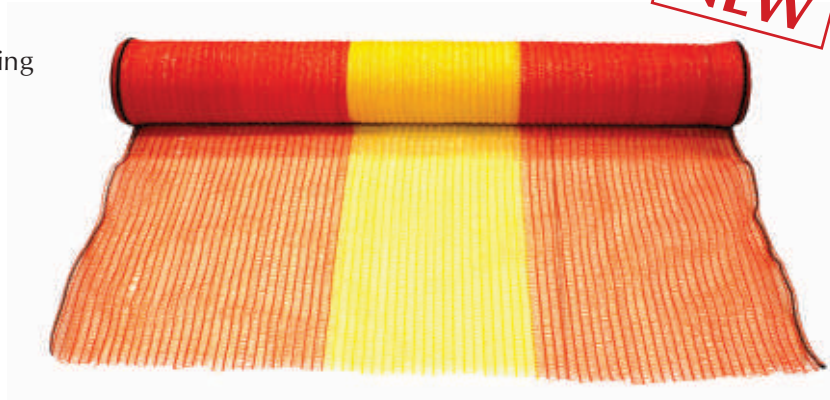
SAFETY PRODUCTS

☐ ORANGE AND YELLOW BARRIER MESH NETTING

Joluka's Orange and Yellow Barrier Mesh Netting is fast becoming one of our best selling Barrier Solutions.

Advantages:

- * Drawstring top and bottom for attaching
- * High definition colours (orange/ yellow)
- * UV protected
- * Chemical Resistant
- * Flame Proof
- * Extra Strength
- * Flexible and Durable
- * Easy to erect
- * Application: Demarcating dangerous areas on site / crowd and vehicle control



Product No.	Lenth (m)	Width (m)	Material
990	100	1	Woven Nylon
997	50	1	Woven Nylon

☐ HEAVY DUTY SAFETY NETS

These nets are attached horizontally between newly erected walls and shuttering or scaffolding on high rise buildings. Nets can be attached beneath the shuttering and raised with the shuttering.

HEAVY DUTY SAFETY NETS are manufactured from 6mm cord, 100 x 100mm mesh and as an option may have shade material woven into the safety net. The shade material catches small and light objects like screws, nails, etc. while the thick safety net, with a breaking strength of over 400kg per cord, can catch heavier objects. Shape and size of net can be manufactured according to requirements and adheres to ISO safety regulations.

Please note:

1. Special care has to be taken when securing the HEAVY DUTY SAFETY NET. Heavy objects, including workers, falling from a height may damage the net or the means of attaching the net to the building.
2. The mounting of the netting to the wall and/or scaffolding/formwork has to be correct. Mounting to concrete has to be undertaken with 12mm rawplugs and rawbolts.



Extra cords are woven into the net for attaching to scaffolding or formwork.

Product no.	Description	Size (m)	Cord Dia. (mm)	Breaking Strength (kg per cord)
929	Safety Netting	As required	6	400

SAFETY PRODUCTS

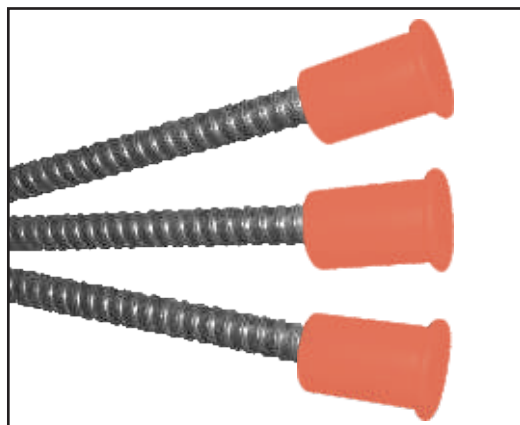
☐ JOLUKA SAFETY (PROTECTION) CAP

A red mushroom shaped cap for attaching to dangerous exposed, reinforcing ends.

Advantages:

- * Clearly visible.
- * Eliminates accidents on the job.
- * 2 sizes cover most steel diameters.
- * Attaches firmly to the reinforcing bars.

Product no.	Description	Size (mm)	Suitable for Steel Diam. (mm)
3323	Joluka Safety Cap	16	8 - 16
3324	Joluka Safety Cap	32	16 - 32
3325	Joluka Safety Cap	50	32 - 50



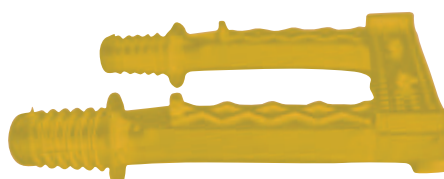
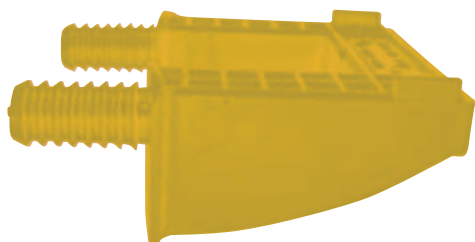
☐ MANHOLE STEP IRON

NEW

Ideal for fitting into new and existing concrete structures, Caswick SS404 steps are our most widely used product for concrete manholes. They are manufactured using virgin polypropylene copolymer plastic and reinforced with structural carbon steel. Polypropylene is used in the manufacture of car battery cases, which shows how resistant it is to concentrated sulphuric acid.

Key Features:

- * Bright colours ensure high visibility
- * No sharp edges
- * Extremely corrosion resistant
- * High tensile carbon steel
- * BS EN 13101, CE marked and Kitemarked



CONSTRUCTION CHEMICALS

☐ JOLUKA CONCRETE REPAIR MORTAR

Description:

Specially formulated to produce an easily applied, smooth working mortar for patching structural and non-structural concrete. It is pigmented to take on the appearance of matured concrete soon after patches are applied.

Uses:

- * May be used for patching breakouts, spalls, edge pitting, honey-combs and restoring corners in structural columns. It is especially useful to pre-casters for reducing cull rates due to manufacture or handling defects.



Product No.	Description	Weight (kg)
7031	Joluka Concrete Repair Mortar	25

☐ JOLUKA STRUCTURAL GROUT

Description:

A high flowable cement based, high strength and non-metallic mix design for high performance grouting applications where ease of placement and suitability for use under high unit loads and vibration are important.

Uses:

- * Grouting: Anchor bolts and starter bars.
- * Bedding: Machine bases, column base plates, crane rails.
- * Concrete Repairs: Grouting activities and voids in concrete.
- * Underpinnings.

Characteristics:

- * Easy to use (just add clean water)
- * Superb initial and retained fluidity.
- * Excellent cohesion.
- * Excellent suspension of aggregates.
- * High early strengths.
- * Non-bleeding.
- * Excellent adhesion.
- * Adjustable consistency (water dependant).
- * Excellent high early and initial strengths.
- * Very good flow characteristics.
- * Non-shrinking.



Product No.	Description	Weight (kg)
7030	Joluka Structural Grout	25

CONSTRUCTION CHEMICALS

☐ JOLUKA CURING COMPOUND

Description:

A water-based slightly viscous acrylic emulsion which dries to a colourless stain-free surface finish when applied to the concrete. It offers an economical method of assisting efficient concrete curing. Unlike conventional surface film forming membranes, Joluka Curing Compound acts chemically with the hydroxides produced by hydration of cement in concrete thus giving a dense, pore-filling, crystalline structure which in turn reduces the moisture evaporation rate from the concrete surface.

Characteristics:

- * Economical, single application.
- * Reduces incidence of shrinkage cracks.
- * Promotes better strength gain characteristics.
- * Useful as a dust-proofer and surface hardener.
- * No film breakdown period involved.
- * Does not interfere with subsequent concrete surface treatments.

Coverage:

8.5m²/l (Spray applicator advised)



Product No.	Description	Volume (l)
8004	Joluka Curing Compound	25

☐ JOLUKA FAIRING COAT

Description:

Designed for application in thin layers to produce a fair-faced appearance to concrete surfaces or masonry surfaces in readiness to receive a protective / decorative coating. Surface imperfections up to 3mm in depth can be filled with the scrape-coat application.

Uses:

- * As a concrete pore sealer and smoothing coat.
- * Repairing concrete from featheredge - 3mm.
- * Concrete surface dressing coat/skim coat.

Characteristics:

- * Light concrete colour.
- * Easy to use.
- * Non-corrosive (will not attach reinforcement).
- * Excellent adhesion.
- * Non-shrinking.
- * Durable.
- * Sprayable.



Product No.	Description	Weight (kg)
7032	Joluka Fairing Coat	25

CONSTRUCTION CHEMICALS

☐ SELF LEVELLING SCREED

Product Description

A cement based self levelling floor screed, that has high flow characteristics and can be applied in thickness from 1 to 10mm on new or existing substrates, preparing them to receive any kind of flooring where an excellent resistance to loads and traffic is needed. It is only for interior use.

Advantages:

- * Perfect for residential and commercial applications
- * Extended open time of 20-30 minutes
- * Short setting time of 45-60 minutes
- * Very high compressive and flexural strength
- * No shrinkage, cracking and crazing

Uses:

- * Levels uneven or damaged cement floor surfaces
- * Used as concrete overlays or underlays

Strengths:

- * Compressive: 26 N/mm² after 28 days
- * Flexural: 7 N/mm² after 28 Days

Coverage: 1.6 kg/m² per mm of thickness

Colour: Grey



Product No.	Description	Weight (kg)
7038	Self Levelling Screed	20

☐ JOLUKA ALL PURPOSE EPOXY

Description:

A thixotropic, solvent free epoxy adhesive used for structural bonds onto dry concrete surfaces and steel. Bond concrete to concrete, steel to steel, concrete to steel and also for bonding to wood, fibreglass and tiles.

Advantages:

- * Easy application.
- * Easy mixing ration 1 : 1.
- * Excellent adhesion to concrete and steel surfaces.

Uses:

- * Repair honeycombing in concrete structures.
- * Adhere concrete kerbs onto concrete surfaces.
- * General purpose adhesive and filler.

Contents:

Consist of 2 Parts.

Part A (Resin) and Part B (Activator).

Colour:

Concrete Grey.



Product No.	Description	Volume (l)
7027	Joluka All Purpose Epoxy	2

JOLUKA (PTY) LTD 349 ROAN CRESCENT, CORPORATE PARK NORTH, MIDRAND
TEL. (011) 314-0795 - FAX (011) 314-5245 - E-MAIL: sales@joluka.co.za - WEB: www.joluka.co.za

JOLUKA

CONSTRUCTION CHEMICALS

☐ JOLUKA WET TO DRY EPOXY

Description:

A modified epoxy adhesive with good adhesion properties to cement, brick and steel. It provides a structural bond between wet and cured concrete and anti corrosive properties.

Advantages:

- * Extended open time of 6 - 7 hours.
- * Excellent adhesion to concrete and steel surfaces.
- * Good fatigue resistance properties.
- * Easy application.
- * No shrinkage.

Uses:

- * Bonding wet concrete to cured concrete, brick and steel in structural applications. Also used as a bonding adhesive or patching and repair work.

Contents:

Mix entire contents of Part A and Part B together.

Colour:

Grey.



Product No.	Description	Volume (l)
7028	Joluka Wet to Dry Epoxy	2

☐ SHUTTER BOARD REPAIR EPOXY

Description:

A solvent free epoxy adhesive used to repair wooden shutters where a quick set is required. The open time is 10 minutes and it sets within an hour or two.

Advantages:

- * Easy application
- * Excellent adhesion
- * Compression > 50 Mpa

Uses:

- * Rapid repair of defects on wooden shutter boards.

Mixing Ratio: 2:1

Contents: Mix entire contents of Part A and Part B together.

Coverage: 1lt covers 1m² applied 1mm thick.

Colour: Black



Product No.	Description	Weight (kg)
7039	Shutter Board Repair Epoxy	1

CONSTRUCTION CHEMICALS

☐ JOINT SEALANT

Description:

A single component polyurethane elastomer for elastic bonding of vertical and horizontal joints. perfect for bonding concrete, tiles, anodised aluminium and wood surfaces must be clean, dry and free of dust, grease or parting compound. concrete surfaces must be dry and stable (at least 4 weeks). Minimum orders of 100 pieces is applicable on this product.

Preparation of surfaces:

Users must check that the mastic is compatible with the surface in terms of adhesives, staining and chemical compatibility (test a section first). on siliconed tiles test a section first.



Product No.	Description	Volume (ml)
7037	Joint Sealant	600

☐ JOLUKA SHUTTER RELEASE AGENT

Description:

A low odour, clear low viscosity liquid with a honey-coloured hue. It is suitable for use as a mould-release agent for off-shutter concrete castings cured at low and high temperatures.

Functions:

It may be used neat to coat the non-ferrous, ferrous or rubber moulds of simple or intricate concrete castings. It is applied normally by a spray set up, typical of continuous processes, or manually by brush, roller or similar means. The chemical make up of the product is such that no build up on the moulds take place with use thus allowing for long period mould utilization.

The incorporation of corrosion inhibitors allows the steel moulds to remain in excellent condition without the formation of traces of rust. The faithful facsimile of the mould is achieved while at the same time the concrete casting's edge strength is maintained.

Coverage: 20-35m²/l

Health and Safety:

It is non toxic to the skin and non allergenic. Splashes to the eyes may be treated by washing copiously with soap water and in case of accidental ingestion an emetic should be administered.



Product No.	Description	Volume (l)
8006	Joluka Shutter Release Agent	25
7010	Joluka Shutter Release Agent	200

CONSTRUCTION CHEMICALS

☐ JOLUKA PLASTER BOND

Description:

Specifically designed as a latex admixture for use in cement compositions to bond plaster and gypsum to smooth surfaces. The use of Plaster Bond as an admixture offers improved adhesion to substrate, toughness and flexibility, resistance to certain chemicals, excellent adhesion, better resistance to frost as well dust suppression.

Characteristics:

- * Easy to use.
- * Bonds to sound PVA surfaces.
- * Improves non-structural bond of plasters.
- * No more hacking and chipping of smooth surfaces.



Product No.	Description	Volume (l)
7040	Joluka Plaster Bond	5
7025	Joluka Plaster Bond	25

Uses:

Universal keying, bonding and priming agent for plastering, tiling, grouts, screeding, plasters, gypsum and concrete repair mortars.

☐ SANITISER 70% ALCOHOL

Description:

Our Alcohol based hand sanitiser may be used for the thorough and effective sanitising of hands in all environments such as offices, construction sites, schools, factories, kitchens, washroom environments etc. The sanitiser can be applied directly to hands in amounts of 5ml and doesn't require rinsing off with water.

Characteristics:

- * Non-Hazardous.
- * Supplied in 500ml, 5L, 25L or 1000L Containers.

SANS 53727 Compliant

SANS 490 Compliant

SANS 5261 Compliant



CONSTRUCTION CHEMICALS



Now Distributor for
a.b.e.® Construction Chemicals



GENERAL CONSTRUCTION



CONCRETE REPAIR & PROTECTION



WATERPROOFING



SILICONE, SEALANTS & ADHESIVES



FLOORING



HIGH PERFORMANCE COATING SOLUTIONS



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TEL. (011) 314-0795 - FAX (011) 314-5245 - E-MAIL: sales@joluka.co.za - WEB: www.joluka.co.za

JOLUKA

CONSTRUCTION CHEMICALS

REPAIR MORTARS			
Code	Product Name	Description	Volume
7100	Durarep FC	Used as a thin film decorative or protective coating to concrete and masonry surfaces which are not rafficked.	25Kg
7101	Durarep FR	A polymer-modified, fibre-reinforced, cement-based non-shrink mortar for repairing voids and honeycombed areas.	25Kg
7102	Durarep FMC	A cement based non-shrink concrete for reinstating of large sections of structural concrete, by pouring or pumping.	25Kg
7103	Durabond GP	A modified, single-pack acrylic emulsion used as a primer/bonding medium for cementitious repairs in both internal and external applications.	5L

STRUCTURAL GROUTS			
Code	Product Name	Description	Volume
7104	Duragrout GP	A ready-for-use Portland cement-based non-shrink general purpose pourable grout for bedding, grouting and repairing.	25Kg
7105	Duragrout	A ready-for-use Portland cement-based non-shrink flowable grout for bedding, grouting and repairing.	25Kg

WATERPROOFING			
Code	Product Name	Description	Volume
7106	Duraflex	A ready to use flexible slurry based on a special synthetic resin dispersion for protection, repair and waterproofing of balconies, terraces, new and old buildings and water containers and reservoirs.	15Kg
7107	Duraslurry	A ready-for-use Portland cement based waterproofing slurry for providing a permanent waterproof skin on concrete, plaster and brick surfaces.	25Kg

EPOXIES			
Code	Product Name	Description	Volume
7108	Epidermix 324 Grout	A three-component, solvent-free, aminecured, silica filled epoxy mortar for wherever high strength, flowable epoxy grout is required.	5L
7109	Epidermix 325 Grout	A three-component, solvent-free, amine-cured, silica-filled epoxy mortar for the repair of damaged concrete that has spalled or honey-combed.	7L
7110	Epidermix 344 - Wet-to-Dry Epoxy	A two-component, solvent-free epoxy for bonding fresh concrete to existing concrete, plaster or brickwork. Can be used to provide a damp-proof barrier within the concrete matrix.	1L
7111	Epidermix 372 - Epoxy Gel	A two-component, solvent-free epoxy for use as a general purpose adhesive for most materials, excluding certain plastics and stainless steel.	1L
7112	Epidermix 389 - Low Viscosity Crack Injection	A two-component, solvent free crack injection compound for cracks between 0.10 and 0.05 mm in width. May also be used as primer for epoxy mortars and electrical encapsulation.	0.5L
7113	Epidermix 395 - Epoxy Liquid	A two-component Epoxy Liquid used as a grouting medium for fixing starter bars, bolts and other similar items, vertically down into concrete or rock.	1L
7114	Epidermix 396 - Epoxy Paste	A two-component Epoxy used as a grouting medium for fixing dowel bars, bolts or other steel overhead or horizontally into concrete or rock.	0.5L

CHEMICAL ANCHOR			
Code	Product Name	Description	Volume
7116	Chemical Anchor Maxx	Chemical Anchor MAXX is a bonded anchoring system with improved performance for anchoring into solid substrates. It is suitable for overhead installations, as well as for use in dry, wet and flooded holes. Chemical Anchor MAXX is vinylester formulated free of styrene, has a very low odor and is ideal for use in confined spaces and indoors. Supplied in 300ml tubes, grey in colour.	300ml

CONSTRUCTION CHEMICALS

☐ COMPRESSION SPRAYER

NEW

The Mesto Compression Sprayer is purpose designed for spraying shutter oils and liquid construction Chemicals such as curing compound without blocking the nozzle.

This 3 bar Compression Sprayer contains a 5L Plastic Tank and is guaranteed to provide durability and robustness in the toughest of environments.

Features:

- * Filling contents: 5.0 l
- * Total contents: 7.0 l
- * Operating pressure: 3 bar (44 psi)
- * Weight when empty: 1.7 kg

Device description:

- * Tank: Plastic with large pressure reservoir
- * Carried at the side
- * Seals: FPM (Viton®)
- * Nozzle: adjustable plastic nozzle
- * Spray wand: Plastic, 48 cm, 360° rotatable
- * Hose: 2.0 m, transparent oil resistant
- * Made in Germany

Special features of the product:

- * Professional pump
- * Integrated dirt filter

Product no.	Description	Filling Contents (l)	Operating Pressure (bar)
7022	Mesto Compression Sprayer	5	3



SAFETY, HEALTH, ENVIRONMENTAL AND QUALITY ASSURANCE ACCORDING TO ISO:

We have implemented and maintain Safety, Health, Environmental and Quality Management principles in all our business activities that are in line with ISO requirements as follows:

ISO 9001:2008 Quality Standard Compliance

All our manufacturing processes and procedures used in producing our products conform to the highest quality standards as per the Standards set out by the ISO.

ISO 14001:2004 Environmental Standard Compliance

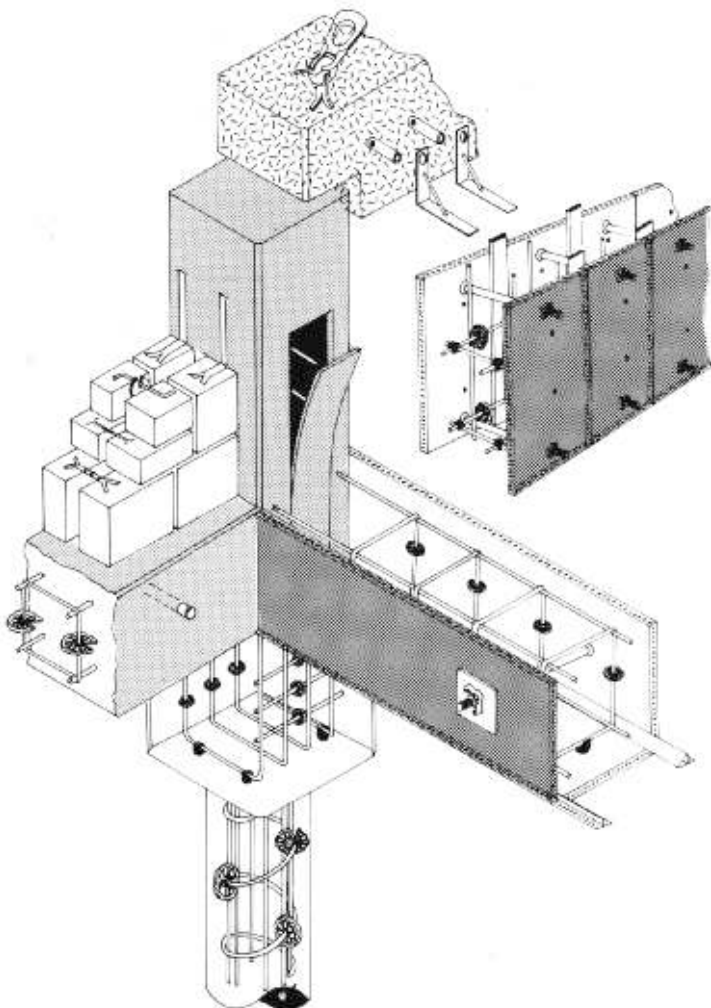
In the interest of protecting and preserving the environment, our company policy serves not to use any harmful raw materials. The majority of our manufacturing makes use of plastic raw material and we ensure to only use environmental friendly plastics in our manufacturing. To the largest extent possible we use re-cycled raw material and reduce on our waste as much as possible. Furthermore we only use asbestos free materials in our production of fiber cement products. In addition we endeavor to continuously reduce our consumption of electricity and water.

ISO 18001:2007 Occupational Health and Safety Standard Compliance

In the interest of maintaining a healthy and safe environment for all our company staff, customers and other stakeholders, all our business activities are designed around the highest health and safety requirements as set out by the ISO.

For more detailed information on our Safety, Health, Environmental and Quality Policies, please contact us.

S A B S
I S O



Joluka (Pty) Ltd has established itself as the major manufacturer and supplier of special systems for reinforcing concrete, brick structures and shuttering aids to the construction industry.

The dynamic company, Joluka (Pty) Ltd, offers a fast, reliable service with experience and knowledge derived from specialisation.

Most products are available ex-stock. Our Standard Product Selection provides benefits to the customer in all areas of concrete construction and pre-cast concrete manufacture. Products not listed can be manufactured to customers requirements and specifications.

Our technical staff are readily available for further discussions or problem solving.

For further information on specific products, please request particular catalogue.

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