



2020 Product Catalogue

Precaster's Warehouse

1300 ACTECH (228 324)
www.actech.com.au

Dear Customers,

Welcome to our 2020 Catalogue!

Our updated catalogue provides you with new and updated product ranges.

Since our last catalogue, we have streamlined our range – some items have been discontinued as a result of stock rationalisation or because our upstream suppliers have discontinued them as well. However, we are still innovating and creating new products for the market that we hope you will like.

We have also commenced a Warehouse Management System to provide improved stock accuracy and stock traceability. For every delivery to you, we know which pallet in the warehouse it came from and which supplier that pallet came from and so on – we have been working very hard on this to improve our stock and quality controls.

We have also expanded our BRISBANE branch by moving to a new megastore location on a main road – we are now at 838 Nudgee Road Northgate, only 2km from the old warehouse, but in a premises twice as big.

Whilst the economic headwinds are always uncertain, we continue to strive to improve our service, quality and pricing. No matter what the conditions are, we will continue being a consistent and reliable source for all your precast, formwork, tilt-up and insitu concrete products and accessories!

We thank you for your business and look forward to seeing you in our showrooms (especially the new Brisbane store!).

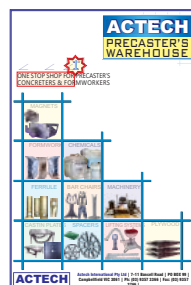
Evolving the Actech Brand

Over the past 3 decades, the Actech brand has evolved as the company has grown.

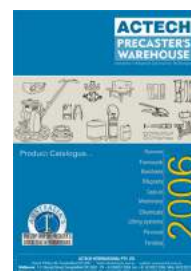
The green brand mark was introduced in 2010, as a marking on our products. As we head into the future, a brand refresh has modernised the marking and font to reinforce a more balanced logo with a stronger colour palette.

The industry is constantly changing, and our business adapts with it – our new logo reflects our strength and capability to transform with the current marketplace.

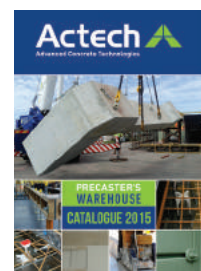
You will see this new logo roll out over the coming months across all assets of the business, from showrooms, vehicles to the website and all printed materials like this catalogue.



1990's



2000's



2010's

Today



Actech

ADVANCED CONCRETE TECHNOLOGIES

Contents

Chemicals & Sprayers

Mould Oils for High Quality Precast, General Purpose Mould Oils, Concrete Bond-Breaker, Anti-Evaporation Compounds, Concrete Curing Compounds, Sealers, CSE Surface Retarders, CSE Retarder Papers, Specialty CSE Products, Surface Retarders, Admixtures & Additives, Maintenance Products, Liquid Hammer, Powered Foamers, Powered Sprayers, Manual Sprayers & Foamers, Sprayer Spare Parts and Accessories

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Spacers

Panel Shims, Plastic Packers For Curing & Storage, Standard Bar Chairs, Specialty Bar Chairs, Architectural Panel Chairs, Mesh Chairs, Mesh Separators, Continuous Bar Chairs, Slab on Ground Chairs, Circular Spacers, Concrete Spacers, Triangular Concrete Bar Spacers, Panel ID Plates, Bar Guards

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Formwork

Formwork Plywood, LVL Beams & Planks, Fillets, Z-Bar & Fittings, Tielock, Conduit & Cones, Column Forms, Upright Props, Strongback, Custom Formwork Solutions, Rebar Tying Machine, Tie Wire, Reinforcement Ties & Tying Tools

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Slab & Joints

Conaform, Slab Underlay - Builder's Film, Super Rib, Expansion Joints, Slab on Ground Chairs, Dowel Sleeves & Dowels, Plate Dowel System, Dowel Cradles, FRP - Fibre Reinforced Polymer Reinforcement, Steel Reinforcement, Waterstops For Construction Joints

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Panel & Connections

KlipForm Formwork System, Polyform Formwork System, Climbing Formwork System & Commonform, Kling-On Formwork Magnets, Altas Railfix, Cast-In Plates, Cast-In Channels, Grout Tube & Accessories, Precast Adhesive, Precast Push-Pull Props & Accessories, Fasteners, Threaded Rebar & Rebox, Crack Repair Adhesives, Floor Levellers, Construction Grout, Patch Repair, Caulking Products, Backing Rod, Insulated Sandwich Panel Systems

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Fixing & Lifting

Altas Metric Ferrules & Couplers, Altas Tie Bar Ferrules, Couplers & Tie Bars, Coil Bar & Z-Bar Ferrules & Couplers, Coil Bars, Cross Bars, Ferrule Accessories, Ferrule Chairs, Liftfix Foot Anchors & Foot Eye Anchors, Altas Face Lifters, Altas Edge Lifters, Altas Lifting Clutches, Utility Anchor Lifting System, Lifting Loops, Small Product - Pit Lid Lifters

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Machinery

Roller Screed, Vibrating Beam Screed, Screed Support System, Triangular Truss Screed, Vibrating Walk Behind Screed, Walk Behind Trowels, Trowels Accessories and Spares, Surface Preparation, Rebar Bending & Cutting Machines, Electric Vibrators, Pendulum Heads & Shafts, Petrol Vibrators, Hand Held Vibrator, External Vibrators, Pneumatic Vibrators

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Hand Tools & Safety

Hand Trowels, Pool Finishing Tools, Kerb & Formwork Equipment, Bullfloat, Handles & Accessories, Concrete Screeds & Straight Edges, Drill Bits & Blades, Personal Safety, Diamond & Coring Tools, Paint & Markers

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WHY BUY FROM ACTECH?

Prompt Service and Delivery

As soon as we receive an order it is immediately processed and packed for delivery. Because we have such large warehouses we are able to hold large quantities of all product types - we don't have to wait for the arrival of stock to satisfy your order.

As long as we receive your order by noon, local customers near our warehouses can receive same day delivery, while country and interstate are usually next day delivery.

Huge Range and Depth of Stock

We have the WIDEST range of concrete and construction accessories in the marketplace. We supply concrete accessories for slab, tilt-up, in-situ formwork, and all forms of precast, ranging from architectural all the way to structural and high-rise.

Great Prices/Quantity Price Discounts

We are keen for your business so we always aim to give you the best price. Pricing is usually based on quantity - the more you order, the better the price.

Look out for our monthly specials in store, and don't forget to give us your email address so you can receive our regular email specials!

Australian Owned and Operated!

Actech is fully AUSTRALIAN owned, and does not form part of any overseas multinational conglomerate. Founded in 1991 it has grown to become a national operation servicing not just Australia but also exporting to NZ, PNG, SE Asia and Pacific Island customers.

Where possible we source our products from Australian suppliers and manufacturers and make some of our own products locally. In our on-site workshops, we can also produce certain specialty items at short lead times.

We pay our taxes in Australia, so support an Australian company, and support the Australian economy.

Don't send more money overseas to foreign owned companies!

Corporate Responsibility Program

We are committed to reducing our carbon footprint in our products and our warehouses.

Our warehouse roofing contains clear or glass panels to allow natural light, thereby minimizing the amount of artificial lighting required. We recycle pallets, crates, and cardboard boxes to save resources. Our forklifts are battery powered, and machines air operated where possible, to reduce CO2 emissions from gas forklifts or petrol operated machinery.

How to Order

Visit

All our branches offer counter sales, so you can walk in and pickup what you need.

Phone

For the cost of a local call, you can call us on 1300 ACTECH from anywhere in Australia to get what you need fast!

E-mail

Email us your order.
VIC: salesvic@actech.com.au
NSW: salesnsw@actech.com.au
QLD: salesqld@actech.com.au
WA: saleswa@actech.com.au

Fax

Send us your written order.
VIC: 03 9357 3766
NSW: 02 9622 8555
QLD: 07 3267 8880
WA: 08 9452 3338

Location & Hours

Melbourne

148 Sussex Street,
Pascoe Vale VIC 3044.
Monday to Friday:
Sales: 7.30 AM to 4.30 PM
Warehouse: 7.30 AM to 4.30 PM

Sydney

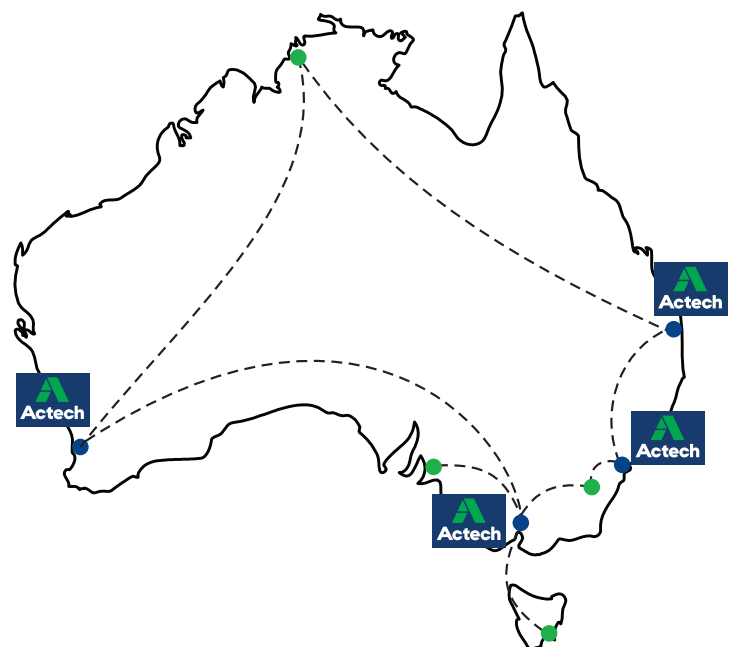
31 Penny Place,
Arndell Park NSW 2148.
Monday to Friday:
Sales: 7.30 AM to 4.30 PM
Warehouse: 7.30 AM to 4.30 PM

Brisbane

838 Nudgee Road,
Northgate QLD 4013.
Monday to Friday:
Sales: 7.30 AM to 4.30 PM
Warehouse: 7.30 AM to 4.30 PM

Perth

1700 Albany Hwy,
Kenwick WA 6107.
Monday to Friday:
Sales: 7.30 AM to 4.30 PM
Warehouse: 7.30 AM to 4.30 PM



Mould Oils for High Quality Precast	Crete-Lease 880, Crete-Lease 880 Poly Release, Crete-Lease 20 VOC, Crete-Lease 20 VOC Poly Release, Wabicon HP, MasterFinish RL 212	8
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Surface Retarders	Sika Rugasol C, Sika Rugasol MH, Sika Rugasol 90, Masterfinish 380, Sur-Face, Sur-Face TK, Sur-Face Plus	16
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Mould Oils & Release Agents

Why ACTECH Release Agents (Mould Oils)?

The surface finish of concrete structures and products is a major quality measure. Voids ("surface defects") are unsightly and can reduce the value of your product, leading to rejections. Surface defects can be expensive to remedy; if coatings are to be applied, the holes will require filling to avoid blistering.

Actech Release Agents ("mould oils") are a type of form release that contain hydrophobic and hydrophilic surfactants (surface active agents). Our mould oils provide great efficiency and are the ideal agent for all formwork types where a high quality finish is required. In addition, these agents require minimal cleanup, making them even more efficient for the workplace.

Mechanism of Air/Water Void Reduction

During casting, water and/or air bubbles often form at the interface between the concrete and the release agent, resulting in surface defects. Excessive use of release agents contribute to surface defects, particularly the very small surface defects that can occur (eg., size of pencil eraser and smaller). Larger surface defects are typically due to a problem with mix design, the mixing process, or poor vibration.

The use of Actech mould oils Crete Lease 880, Crete Lease 20-VOC, and Wabicon (with their hydrophilic surface) along with good vibration, helps reduce and virtually eradicate surface defects.

Release Agent (Mould Oil)

Conventional oil is a common release agent. Unfortunately, oil is hydrophobic while fresh concrete is hydrophilic. Actech form oils (Crete Lease 880, Crete Lease 20-VOC, and Wabicon) are unique in that they contain hydrophilic double action surfactants. By creating a hydrophilic layer on the surface of the release agent, the surfactants allow for greater adherence of concrete to the form oil, thereby minimizing surface defects.

Superplasticiser

The extent to which an air/water bubble forms is dependent on the difference in the surface tension of the concrete and the release agent. The surface tension of concrete with a conventional plasticiser is 70 Dyne/cm². Using a superplasticiser this is reduced to 30 Dyne/cm², about the same as the surface tension of a mould oil release agent. This virtual elimination of difference in surface tensions is why Actech Release Agents products work so well.

All Actech Release Agents:

(Other than Super Strip 60)

- ♦ Are non-toxic, non-flammable and biodegradable
- ♦ Increase surface durability
- ♦ Apply easily even at temperature extremes
- ♦ Promote clean stripping and stain-free surfaces
- ♦ Eliminate concrete build-up
- ♦ Cut labour costs by minimizing clean up

Standards of Concrete Finishes

CCS is a photographic guide to help you select high quality architectural concrete surfaces. Using the guide, you can choose the concrete surface(s) you want and, from the outset, specify them in your contract documents.

CCS is a great tool to get early agreement with all involved in the project, well ahead of time. An abbreviated version of the CCS Guide is shown:

Suggestion: Hold this picture next to the hardened concrete surface, for a quick comparison.



How to Apply Mould Oil

Sprayers: For the most economical and best-looking concrete surfaces, use one of our Form Release Agent Sprayers. Each sprayer has an application system for producing consistently and reliably good-looking concrete and clean forms.

Release Agents: Only Actech Release Agents, applied in an ultra thin layer, strip cleanly and can reduce release agent costs by up to 80%.

- ♦ **Good:** Any mop, brush, pump-up Sprayer, etc. with any Actech Release Agent.

- ♦ **Better:** Use the manual (pump-up Chapin) Sprayer, with any Actech Release Agent or Super Strip form oil. Use special fan spray tip 100015-LP for CL 20-VOC, a water based release agent.
- ♦ **Best:** Use the ACTECH "FAT BOY" Sprayer, along with any Actech Release Agent or Super Strip form oil, to consistently produce economical and best-looking concrete surfaces. These sprayers work using Actech Release Agents applied in an ultra thin film, giving you the best application of all...while allowing for responsible, environmental care.

General Properties of Actech Release Agents

Properties	Class I Architectural Prestress & Precast Site Cast				Class 2 Commercial & Poured Walls			Tilt-Up Tilt Panels
	20-VOC + 20-VOC Poly	880 + 880 Poly	Wabicon HP	Master Finish RL212	Superstrip 60	Aquablend	Master Finish 222	Bondbreaker
Base	Water	Solvent	Water	Water	Solvent	Water	Naptha	Water
Environmentally Friendly	Yes	Yes	Yes	Non Toxic	Yes	Yes	No	Yes
Chemically Active ¹	Yes	Yes	Yes	No	Yes	Yes	Yes	No
Flash point (Deg C)	NA	52	NA	>100C	154	NA	>65C	NA
Freeze Damage	Yes	No	Yes	No	No	Yes	Discard	Separates
Storage Life	Months	Years	Months	9 months	Years	Years	12 months	Months
Viscosity ² (CPS)	30	3	3	10	60	42	-	10
Odor	None	Low	Low	Mild	Low	Low	Yes	Low
Semi-Drying	Yes	Yes	Yes	-	No	Yes	-	Yes
VOC (g/l)	100	470	-	Low	32	10	Low	2
VOC (lbs/gal)	0.8	3.9	-	-	0.3	2	-	0.02
Add Thinner when cold	NA	No	No	No	No	NA	No	No
Works Dry	Yes	Yes	Yes	-	No	Yes	-	Yes
Effect on Concrete Surfaces								
Non-Dusting ³	Yes	Yes	Yes	-	Slight	Slight	-	Yes
Paintable Surface ⁴	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes
Non-Staining	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compatible w/ Admix- tures	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes
Form / Form Liner Compatibility								
ABS, PVC, FRP	Best	Best	V. Good	Yes	Good	Good	Yes	No
Regular & Oiled Plywood	Better	Good	V. Good	Yes	Good	Good	Yes	No
Overlaid Plywood	Best	Better	V. Good	Yes	Good	Good	Yes	No
Steel	Better	Best	V. Good	Yes	Good	Good	Yes	No
Aluminium	Better	Good	V. Good	Yes	Good	Good	Yes	No
Foamed Polystyrene	Better	No	No	-	No	No	-	No
Epoxies & Urethanes	Best	Best	V. Good	Yes	Good	Good	Yes	No
Natural Rubber & SBR	Better	No	-	Yes	No	No	Test	No
Concrete	No	No	No	Yes	No	No	Yes	Yes
Recommended Tip	800067	800015/67	800067	800067	80015	80015	800015	8004

¹ Chemically active means that the ingredients chemically bond to calcium from the fresh cement paste.

² Viscosity measured in centipoise (CPS) at room temperature. Water is 1 CPS.

³ When applied at a thickness of 0.0254 mm or less.

⁴ No cleaning of release agent is required, though cleaning may be required to remove other foreign matter.

Sprayers Page: 21-24





Mould Oil Application & Spray Tip Suggestions

Flat Spray Tip	Pressure			CCS 1	CCS2	CCS 3	Litre /Min
	Bar	Kpa	Psi		m ² in 10 seconds	m ² in 10 seconds	
80015	2-2.75	200-275	30-40	Apply by Wiping	5.50	3.00	0.35
8001	2-2.75	200-275	30-40		4.00	2.00	0.30
800067	3.5-4	350-400	50-60		3.50	1.50	0.24
800050	3.5-4	350-400	50-60		2.50	1.20	1.30
Wet Film Thickness	-	-	<0.5mm	0.5-1mm	1mm-2.5mm	-	-

Mould Oils for High Quality Precast

Class 1 Finishes

Name	Details
Crete-Lease 880 Solvent Based for CLASS 1 	Product Description: <ul style="list-style-type: none"> Helps produce CCS 1 or CCS 2 Solvent based release agent Lowest viscosity release agent available Steel, Plywood, forms and formliners strip easily and cleanly, when applied in an ultra thin film Easy to use and gives reliable results leaving no dust or buildup on the mould, no cleanup and no stains Fields of Application: <ul style="list-style-type: none"> Precast Beams Architectural Precast Panels with Class 1 Finish
	<ul style="list-style-type: none"> Eliminates bugholes – even with superplasticized concrete Will not transfer to the concrete surface – adhesion of paints or coatings is not affected Does not wash off in moderate rain Biodegradable, non poisonous and non-carcinogenic Very economic up to 50 m²/l
Crete-Lease 880 Poly Release Solvent Based Improved Release 	Product Description: <p>Crete Lease 880 Poly Release (PR) has all the properties of Crete Lease 880 with an extra additive to more effectively release from concrete mixes that have:</p> <ul style="list-style-type: none"> Low real cement content Low early strength
	<ul style="list-style-type: none"> Cold temperature environment Very economic up to 50 m²/l
Crete-Lease 20 VOC Water Based for CLASS 1 Best for Textured Rubber Moulds 	Product Description: <ul style="list-style-type: none"> Helps produce CCS 1 or CCS 2 Water based release agents Releases any kind of form or formliner (incl expanded polystyrene) from hardened concrete Forms strip easily and cleanly Easy to use and gives reliable results leaving no dust or buildup on the mould, no cleanup and no stains Fields of Application: <ul style="list-style-type: none"> Architectural Precast Panels with Class 1 Finish Rubber and Latex Moulds
	<ul style="list-style-type: none"> Eliminates bugholes even when applied 5 times thicker than needed Does not wash off in moderate rain Biodegradable, non poisonous and non-carcinogenic Will not transfer to the concrete surface – adhesion of paints or coatings is not affected Approved for use by WA MRIA
Crete-Lease 20 VOC Poly Release Water Based Improved Release 	Product Description: <p>Crete Lease 20-VOC Poly Release (PR) has all the properties of Crete Lease 20-VOC with an extra additive to more effectively release from concrete mixes that have:</p> <ul style="list-style-type: none"> Low real cement content Low early strength
	<ul style="list-style-type: none"> Cold temperature environment
MasterFinish RL212 Water Based for CLASS 1 	Product Description: <p>MasterFinish RL 212 form release agent offers a safe, cost-effective alternative to traditional oil-based release agents. This unique product, when applied to most forms and form liners, is formulated to enhance the appearance of precast, prestressed and cast-in-place concrete. MasterFinish RL 212 form release agent significantly reduces production cost through its efficiency, ease of use and its superb release capability.</p> Features: <ul style="list-style-type: none"> Ready-to-use Extremely efficient release mechanism Assists in controlling surface appearance Non-staining Unaffected by light rain or other mild weather conditions Spray-applied Water based Significantly reduces form cleaning Benefits: <ul style="list-style-type: none"> Permits match casting of intricate details Minimizes surface voids (bug holes) Acceptable for use with white cement Flexible application timing No mixing required Reduces overall production costs No solvent, no odor; no fume or flammability problems Environmentally preferable and biodegradable Extends form life

Name	Details
Wabicon HP For Precast and Insitu CLASS 1  	<p>Product Description: WABICON® HP is a biodegradable, solvent- and mineral oil-free release agent for immaculate concrete surfaces. After drying, a release film is formed, which prevents the adhesion of the concrete to the mould and allows for the production of a smooth, pore-free, stain-free and dustfree surface.</p> <p>Fields of Application:</p> <ul style="list-style-type: none"> It is used for concrete with high demands on the concrete surface skin, especially smooth, fair-faced concrete. The special active ingredients separate the mould and the concrete physically, not just chemically like standard demoulding oils do. It is suitable for all types and kinds of steel, wooden and plastic moulds (including a built-in corrosion protection for steel moulds) and is even suitable for use in vertical concrete casting situations. It can be used in prefabrication operations or at construction sites using ready-mixed concrete.

What is special about poly release?


Poly Release is an additive that affects the behavior of free water in a cement mix when it makes contact with the formwork surfaces to give an improved release. Even with our chemically reactive release agents like Crete Lease 880 and Crete Lease 20 VOC, it acts like a teflon coating on a frying pan, ensuring that sticky mixes like those have low early strength, low cement content or are in a cold environment, release off the formwork surface cleanly.

Get a fantastic release everytime



General Purpose Mould Oils

Class 2 Finishes

Name	Details
MasterFinish 222 	<p>Product Description: MasterFinish 222 is a low viscosity, chemical release agent for all types of concrete formwork. MasterFinish 222 reacts with the alkalis and water at the interface of the concrete and formwork to produce a thin film of lime soap which breaks the bond enabling the formwork to be readily stripped.</p> <p>Field of Application:</p> <ul style="list-style-type: none"> Use on all types of formwork to enable clean stripping of forms and provide excellent architectural finishes. Use in all concrete construction whether "in situ", precast or prestressed. Application to wheelbarrows, trowels, buckets and other construction tools to facilitate cleaning and provide temporary protection against rusting. Application to metal window and door frames to prevent adhesion of cement and mortar splashes during construction

Sty-Lease



Polystyrene Release Agent

This release agent can be used on polystyrene surfaces to provide a release between the polystyrene and the concrete. It is available in a standard sprayable liquid form and a thickened paintable alternative. Available in 20, 200 and 1000L.




Concrete Bond-Breaker

Name	Details
Crete-Lease Bondbreaker Water Based For Tilt-up Panels For Match Casting 	<p>Product Description:</p> <ul style="list-style-type: none"> Use on concrete form surfaces Does not wash off in moderate rains Non-staining / Non-toxic / Non-flammable / No Odours Works well on broomed or textured concrete casting slabs Leaves a clean concrete surface, ready to paint - no acid washing required <p>Field of Application:</p> <ul style="list-style-type: none"> Tilt-up Concrete Panels Match casting of beams

Anti Evaporation Compounds





Name	Details
Control Finish <i>Anti-Vap Surface Finishing Aid For Hot/Windy Days</i> Makes Hard Concrete Trowelable 	Product Description: Control Finish is designed to improve concrete surface finishing characteristics. it actes like 'liquid glad wrap' to trap the moisture from the concrete and prevent premature drying and checking of surface. Product Advantages: <ul style="list-style-type: none"> ♦ Avoids retempering surface of slab with water ♦ Eliminates or reduces plastic shrinkage cracks, dusting, razing and crusting ♦ Greatly enhances the speed and ease of finishing concrete slabs ♦ Excellent in hot, windy or dry conditions ♦ Improves durability of concrete surface ♦ No need for liquid dispensers ♦ May be used in power trowels Fields of Application: Prior to trowelling, mist Control Finish evenly on concrete surface. Only a light application is necessary. The contents of one bag of Control Finish make a solution that will cover approximately 100 m ² .
A-Film 	Product Description: A-FILM is a water based aliphatic alcohol finishing compound designed to reduce the evaporation of water during finishing operations. Very economic for remote applications Product Advantages: <ul style="list-style-type: none"> ♦ Pre-dilute with clean water, at a rate 1 part A-FILM +9 parts water. ♦ It is not considered to be a hazardous product ♦ NOT a curing compound ♦ Approved by Main Roads Qld ♦ Apply using a low pressure backpack type spray, at a coverage of 5-7m²/L

Concrete Curing Compounds

Name	Details
Crete-Trete 309 VOC 	Product Description: <ul style="list-style-type: none"> ♦ High solids, water-based acrylic curing compound ♦ Concrete surfaces must be moist for applications ♦ Non flammable, No unpleasant odours, Breathable ♦ Can be applied immediately after washing, by sprayer or rolling brush ♦ All products can be sprayed, rolled or brushed
Curecon W, Surface Cure R 	Product Description: A Class D water based resin curing compound, used to retain moisture in concrete for effective curing. Used for all concrete surfaces exposed to the elements during the early stages of the curing process. <ul style="list-style-type: none"> ♦ Non-toxic / Non-flammable ♦ Tack free when dry / Rapid film formation ♦ Reduces surface shrinkage and cracking ♦ Increases concrete strength and dusting resistance ♦ Complies with AS 3799
Curecon A, Masterkure 404, Surface Cure A 	Product Description: An acrylic, water based curing compound is a Class D, Type 1 curing compound for use on new concrete that facilitates maximum moisture retention through the curing period to maximise concrete strength & durability. When applied by the correct method at the recommended application rate, leaves a dried film, which is not particularly obvious. This film does not normally darken on exposure to sunlight. Efficient curing of the concrete assists the development of strength, abrasion resistance and durability. <ul style="list-style-type: none"> ♦ Reduces the likelihood of cracking or dusting at the surface ♦ Compatible with most after trades ♦ Complies with Green Star – Office Design V3 ♦ IEQ-13 ♦ Complies with AS 3799 ♦ No ventilation requirement, low odour

Name	Details
Curecon BE, Masterkure 240, Surface Cure BE  Aftek	<p>Product Description:</p> <p>A water based bitumen membrane curing compound used to retain moisture in concrete for effective curing. Used for all concrete but specifically for use in mass concrete structures such as roadworks, bridges and runways.</p> <ul style="list-style-type: none"> • Reduces surface shrinkage and cracking • Rapid film formation/ Tack free when dry • Increases concrete strength and dusting resistance • Use as a pre-coat for finishing with an asphalt <p>black top surface.</p> <ul style="list-style-type: none"> • Non-flammable/non dangerous goods classification
Curecon PW, Surface Cure W Aftek	<p>Product Description:</p> <p>A Class A water based wax curing compound used to retain moisture in concrete for effective curing. Used for all concrete but specifically designed for use in mass concrete structures such as road works, bridgeworks, civil construction and runways.</p> <p>The Smartwax dries rapidly and becomes resistant to wash off in about 15 minutes after application.</p> <ul style="list-style-type: none"> • Non-flammable; non toxic • Rapid film formation / Shower resistant at 15 minutes • Reduces surface shrinkage and cracking • Low VOC formula • Meets Green Star rating – complies with Office Design V3 – IEQ13 • Increases concrete strength and dusting resistance
Curecon W30, Masterkure 250, Surface Cure R30  Aftek	<p>Product Description:</p> <p>A Type 1D, Class B, water based resin curing compound used to retain moisture in concrete for effective curing. Used for all concrete but specifically designed for use in mass concrete structures such as roadworks, bridgeworks and runways. It contains sufficient solids for compliance with NSW RTA specifications.</p> <ul style="list-style-type: none"> • Non-flammable/ non dangerous goods classification • Non toxic • Tack free when dry / Rapid film formation • Volatile ingredients comply with air pollution requirements of photo-reactive compounds • Reduces surface shrinkage and cracking • Increases concrete strength and dusting resistance
Curecon PW30, Masterkure WB, Surface Cure W30  Aftek	<p>Product Description:</p> <p>Curecon PW30 is a Type 1-D, Class A, water based wax curing compound used to retain moisture in concrete for effective curing. Formulated for use primarily in the construction of concrete roads, Curecon PW30 offers a high level of moisture retention – 97% efficiency for Type 1-D – thus ensuring efficient hydration of the cement component in the concrete mass. In addition to its use in concrete road construction. Curecon PW30 is suitable for all use on all types of mass concrete structures where a high efficiency, wax based curing compound is suitable. This will include bridgework, airport hard standings, runways, truck parks, port facilities and more. Curecon PW30 can also be supplied as Type 2 or Type 3 product, where site conditions dictate their use.</p> <ul style="list-style-type: none"> • Reduces surface shrinkage and cracking • Increases concrete strength and dusting resistance • Efficient bond breaker in Lean Mix/Base Concrete road construction techniques • Shower resistant after about 1-4 hours • Complies with Green Star rating • Complies with AS 3799 • Non-flammable; non-toxic

Sealers *Water Based Sealers for Concrete Surfaces*

Name	Details (All products can be sprayed, rolled, brushed)	
Crete-Trete 309 VOC Non Penetrating Low Sheen 	Product Description: <ul style="list-style-type: none"> ♦ Acrylic based surface coating ♦ Concrete surface must be moist for application ♦ Non flammable, no unpleasant odours ♦ Breathable Field of Application: <ul style="list-style-type: none"> ♦ Pavers and concrete surfaces 	<ul style="list-style-type: none"> ♦ Can be applied immediately after washing ♦ Can also protect the surface against efflorescence ♦ Water repellent not oil repellent
Colortec Max Penetrating Totally Invisible 	Product Description: <ul style="list-style-type: none"> ♦ Matt finish Sealer suitable for exposed aggregate, acid-washed, shot-blasted, polished concrete surfaces, including concrete patio stones, slabs, tiles and pavers ♦ Water <u>and</u> oil repellent Field of Application: <ul style="list-style-type: none"> ♦ For all absorbent natural and cast stone surfaces, e.g. polished concrete tiles, terrazzo, exposed aggregate concrete, sand-blasted and smooth 	<ul style="list-style-type: none"> ♦ Breathable ♦ Concrete surface can be dry or moist for application (although moist is preferred) ♦ Can be applied after washing <p>concrete surfaces, sandstone, brick, etc.</p> <ul style="list-style-type: none"> ♦ COLORTEC MAX can be used for interior and exterior applications
Colorfresh Intensive Penetrating Wet Look 	Product Description: <ul style="list-style-type: none"> ♦ Gloss finish – will intensify product's natural colour ♦ Suitable for concrete paving and concrete wall panels ♦ Suitable for application onto smooth or structured concrete surfaces e.g. exposed aggregate, acid-washed, shot-blasted, polished concrete Field of Application: <ul style="list-style-type: none"> ♦ For all absorbent natural and cast stone surfaces, e.g. polished concrete tiles, terrazzo, exposed aggregate concrete, sand-blasted and smooth concrete surfaces, sandstone, brick, etc. 	<ul style="list-style-type: none"> ♦ Water <u>and</u> oil repellent ♦ Breathable ♦ Concrete surface <u>must be moist</u> for application ♦ Can be applied immediately after washing ♦ Hides colour tolerances <ul style="list-style-type: none"> ♦ COLORFRESH INTENSIVE can be used for interior and exterior applications
Colortec Rapid Penetrating Can be applied to fresh concrete. 	Product Description: <ul style="list-style-type: none"> ♦ Suitable for application onto smooth concrete surfaces <u>immediately</u> after demoulding or stripping ♦ Water repellent <u>not</u> oil repellent ♦ Breathable Field of Application: <ul style="list-style-type: none"> ♦ Suitable for coloured Precast concrete panels or other architectural concrete, sound barrier walls and similar concrete surfaces 	<ul style="list-style-type: none"> ♦ Concrete surface may be dry or moist for application ♦ Can be applied after washing ♦ Protects the concrete surface against efflorescence <ul style="list-style-type: none"> ♦ COLORTEC RAPID protects against normal pollution/dirt, efflorescence, freezing damage, weathering, colour fading, and is suitable for interior and exterior applications

CSE Surface Retarders

Premium Architectural Range (Far Face)



♦ 999 Hay Street Perth



♦ Menzies Research Institute, TAS.



♦ Adelaide Desalination Plant

Name	Details
<p>CSE Pro</p> <p>Was known as</p> <p>Hebaunal Bea</p> <p>Retarder for Mould Face and Trowel Face</p> <p>HEBAU</p>	<p>Product Description:</p> <p>CSE-Pro (formally known as BEA) is a solvent-based surface deactivator (free of toluene or other aromatic hydrocarbons) used for the production of exposed aggregate concrete surfaces in all exposure depths, ranging from micro-exposure to the coarsest exposed aggregate concrete. CSE-Pro functions reliably even under the most difficult application circumstances.</p> <p>Advantages in Application:</p> <ul style="list-style-type: none">♦ Consistent Results! Thousands of square metres of concrete per project can be achieved all at the same exposure depth♦ The active ingredients of CSE-Pro consists of natural products that are non-polluting and biologically harmless♦ CSE-pro is suitable for the negative (mould-surface) application and positive application (spray-application on fresh green concrete surface)♦ Economical, easy to use, can be sprayed, dries quickly and abrasion-resistant♦ Can be applied on all types of non-porous moulds♦ CSE-Pro functions reliably where other products fail (e.g. in hot weather or at weekend production)♦ CSE-Pro is available in a wide range of well graded types. Please See "Exposure Depth Chart" to select the right colour for your application <p>Fields of Application:</p> <p>CSE-Pro can be used for all mould face concrete surfaces, especially complicated architectural concrete elements with horizontal and vertical, smooth, structured or angular moulds, where other products often fail.</p>
<p>CSE-RSE</p> <p>HEBAU</p>	<p>Product Description:</p> <p>Water based version of CSE-Pro suitable for mould face application, suitable where solvent product is not available or transportable.</p>

CSE Surface Retarders

Premium Architectural Range (Near Face)

Name	Details
CSE Multitop <i>Was known as Hebaunal Positex</i> Concrete Surface Deactivator <i>Retarder for Trowel Face</i>	Product Description: CSE-Multitop has an incorporated curing membrane and rain-protective layer. Works just like CSE-Pro but with an added sealer. This means it works on near face applications and paving. Imagine having up to 3 days to wash out the exposed surface – With CSE Multitop it is now possible. Use the same "Exposure Depth Chart" below to choose your level of surface retarding. Fields Of Application: <ul style="list-style-type: none"> ♦ Near face of panels, hollow core ♦ Paving, Driveways



- ♦ CSE Multitop is rolled onto the smooth concrete 1-4 hours after placement. Alternatively it could be sprayed using an airless spray gun.




- ♦ Depending on the weather conditions within 1-2 hours the coating has dried.



- ♦ Within 24 hours the coating can be removed using pressure wash. However the washout can also be done within 72 hours.

CSE Retarder Papers

Premium Architectural Range (Far Face)

Name	Details
Retarder Papers 	Retarder Papers are a user-friendly, consistent system for the production of exposed aggregate surfaces on horizontal applications in face down precast concrete production. Controlled depth is achievable from very fine exposure (RSE Paper 01 and SE Paper) to more pronounced exposure (HEBAU WB-Paper) inbetween exposure/textured depths of approx. 0,5 mm to 8 mm. The backing of the papers is colour-coded for easy identification of the specific grades. Fields of Application: Retarder papers are particularly suitable for the production of precast paving, artificial stone and other decorative concrete elements. Suitable for use with dry, semi-dry, wetcast or self compacting mixes. Advantages: Very simple and reliable application, even available in micro-exposure version, very flexible exposure types and sizes available. Available Sizes: Standard pre-cut sizes (in cm) are: 40 x 20, 40 x 40, 40 x 60, 40 x 80, 50 x 25, 50 x 50, 50 x 75, 100 x 100 (boxes of 250 sq. metres per box) Also produced in standard rolls in widths of (cm): 100, 120, 150, 160 (minimum length 100 metres per roll)

CSE Ordering Code

Type	Colour code	Aggregate size: mm	Exposure depth: mm	CSE Pro	CSE-RSE	CSE Multitop	RSE Paper
W/01	Blue	0-4/8	ca. 0.5	160BEA.001	All are available on special order request	160MUL.001	160PR1.001
W/10	Green	3-5/8	ca. 1.5	160BEA.010		160MUL.010	160PR1.010
W/70	Grey	8-16	ca. 3.0	160BEA.070		160MUL.070	160PR1.070
W/200	Orange	12-16/32	ca. 5.0	160BEA.200		-	-
W/400	Violet	16-32	ca. 6.0, ca. 7.0	160BEA.400		160MUL.300	-

♦ Note experienced users - older colours Brown, Yellow, Pink, White may still be in stock, but are now Discontinued




♦ Before Wash








♦ After Wash

Specialty CSE Products


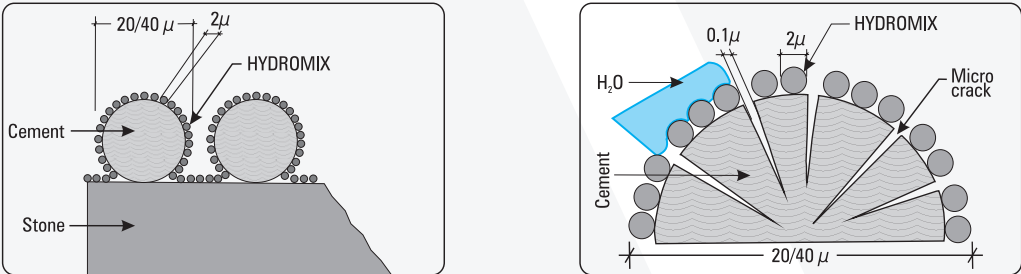



Name	Details
CSE Transform "C" <i>Special skin-forming release agent for use with products of the CSE exposed aggregate deactivator product-lines.</i>	Product Description: CSE Transform "C" is a liquid, skin-forming film release agent for the production of exposed aggregate concrete in the negative application (mould-surface) with products of the CSE® PRO exposed aggregate deactivator product lines. CSE Transform "C" creates a film (similar to a plastic sheet) on the formliner/mould after drying, which traps the concrete residue to the precast panel. This will dramatically reduce your labour costs associated with cleaning moulds between casting.
Microgel <i>Acid Wash</i> <i>Retarder for Trowel Face</i>	Product Description Acid Gel containing surface-active and acid ingredients in order to obtain a micro-exposure on already hardened concrete surfaces. Suitable for obtaining an acid etched surface finish, it can be used for re-treatment of exposure faults on exposed aggregate concrete surfaces with micro-exposed-texture.
	Product Advantages: <ul style="list-style-type: none"> ♦ Due to its gel-like characteristic Microgel can be easily applied to vertical surfaces. ♦ Washout is Biodegradable

Surface Retarders




Structural / Economy Range

Name	Details
Sika Rugasol C Sika Rugasol MH Sika Rugasol 90 	<p>Rugasol C: Rugasol C is a liquid retarder for horizontal construction joints and surfaces for use in cooler conditions or low retardation conditions. Rugasol C is an easy to use, economical product applied to obtain a mechanical key for "kicker" joints, renderings and screeds on horizontal surfaces of freshly placed concrete.</p> <p>Rugasol MH: Rugasol MH is a gel retarder used mainly for on site exposed aggregate work. Rugasol MH surface retarder is used to expose aggregate on formed Portland cement based concrete surfaces, both vertical and horizontal.</p> <p>Rugasol 90: Rugasol 90 is a specially formulated liquid surface retarder for summer condition. Rugasol 90 will cause retardation to the surface of the freshly laid concrete, and will result in an exposed aggregate type finish.</p>
Masterfinish 380 Formerly RHEOFINISH 380/ MBT EXPOSE <i>Retarder for Trowel Face</i> 	<p>Product Description: Masterfinish 380 is a water based chemical retarder used to expose the aggregate in horizontal concrete surfaces. Masterfinish 380 delays the set of the mortar paste on the surface to a controlled depth. Masterfinish 380 does not kill the set of the main concrete. The retarded mortar paste may be removed by washing and brushing after the set of the concrete to expose the aggregate.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ◆ Produces consistent textured exposed aggregate surfaces ◆ Easy to use ◆ Controlled depth of retardation ◆ Excellent bond of fresh concrete to exposed ◆ Water Based
Sur-Face <i>Biodegradable Surface Retarder for Horizontal Applications</i> 	<p>Product Description: Standard viscosity for horizontal work, e.g. precast panels, construction joints key or kicker joints etc. It is are non-toxic and biodegradable.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ◆ QLD TMR approved product
Sur-Face TK <i>Biodegradable Surface Retarder in Gel form</i> 	<p>Product Description: A gel version for use on vertical forms, ceilings, precast panels, walls etc. TK dries on the formwork to form a tough, water-insoluble, abrasion resistant film. It is not affected by light foot traffic or by light showers. Forms may be coated before or after erection. Reinforcing steel is placed as usual. It is are non-toxic and biodegradable.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ◆ QLD TMR approved product
Sur-Face Plus <i>Biodegradable Surface Retarder for large exposed horizontal jobs</i> 	<p>Product Description: A low viscosity product for extended open times up to 48 hours for large exposed horizontal jobs. It is non-toxic and biodegradable and comply with GREEN STAR- OFFICE DESIGN V3 IEQ-13.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ◆ QLD TMR approved product


Admixtures & Additives

Name	Details
<p>Hydromix Fluid 50</p> <p><i>Anti-Efflorescence Admix & Waterproofer for Pavers</i></p> 	<p>Product Description:</p> <p>HYDROMIX-Fluid 50 is a concrete admixture used to produce water-repellent concrete surfaces. In addition, it reduces and/or completely prevent primary and secondary efflorescence. HYDROMIX-Fluid 50 is designed for use with coloured concrete products, regardless of surface texture, but can also be used for any cementitious materials, for example plaster or mortar.</p> <p>How it Works:</p> <p>HYDROMIX-Fluid 50 covers the surface of the solid particles of the concrete. This leads to a change in the adhesion capacity between the water and these solid particles and in turn prevents the absorption of capillary moisture. It does not affect hydration of the cement and therefore also the setting process of the concrete, as HYDROMIX-Fluid 50 only becomes active after the initial setting process has been completed.</p> <p>HYDROMIX-Fluid 50 can protect concrete products against penetration of water, as the space between two HYDROMIX-Fluid 50-covered cement particles is so minimal (between 1 – 2 μ), that the surface tension of the water does not allow it to penetrate.</p> 
<p>Slick-Pak & Slick-Pak II</p> <p><i>Concrete pump primers</i></p> 	<p>Product Description:</p> <p>Slick-Pak is a dry powdered pump primer and pumping aid packaged in a ready-to-use, water-soluble bag. Slick-Pak is environmentally safe and compatible with all conventional concrete materials. Slick-Pak contains no bentonite, cementitious materials, soaps or air entraining agents.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Reduces the need for expensive ready-mixed priming grout Increases ease and range of pumpability Decreases wear on equipment Easily introduced into pumping equipment Decreases horsepower required Reduces friction and line pressure, which enables the placement of hard to pump mixes and increasing range of pumpability <p>Fields of Application:</p> <ul style="list-style-type: none"> For pumps with priming ports For pumps to be primed via hopper For priming directly in hopper The use of 'SLICK-PAK & SLICK-PAK II' depends on Pump type and lines.
<p>Air-Minus</p> <p><i>Cement and Concrete Defoamer and Air Detrainer</i></p> 	<p>Product Description:</p> <ul style="list-style-type: none"> Air-Minus is a dry powdered defoamer that blends into dry cement or concrete to decrease foaming and minimize air entrainment in cement slurries, grouts, concrete and mortars. It can also be used to counteract the air entrainment caused by water reducers and plasticizers. <p>Product Advantages:</p> <ul style="list-style-type: none"> Increases concrete unit weight/Maintains slurry densities Allows high-speed mix of cement and fly ash/May increase compressive strength
<p>Counter Flo</p> <p><i>Concrete Countertop Admixture</i></p> 	<p>Product Description:</p> <p>Counter-Flo Concrete Countertop Admixture is a mixture of water reducers and mineral admixtures specifically designed for use in the production of concrete countertops and concrete statuary. It makes concrete more flowable for easy placement without adding additional water, allowing you to reduce the water:cement ratio in your mix. By lowering water content you achieve higher compressive and structural strength, thus allowing faster demolding and a faster cure. Lower water content will also provide a denser and less permeable concrete, making the concrete less prone to staining. Use of Counter-Flo allows you to place a relatively wetter concrete, reducing the amount of air bubbles, so concrete will yield a better pattern definition.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Counter-Flo makes concrete more fluid with less water Strengthens concrete while reduces water required and reduces cracking Makes concrete easier to place Comes in an 8-lb reclosable plastic container with 2-oz. measuring scoop included for easy dosing Specially designed for concrete countertops

Chemicals

Name	Details
Supercizer 7 High-Range Water Reduction with High Early Strengths 	<p>Product Description:</p> <p>Supercizer 7 is a dry powdered superplasticizer, packaged in a ready-to-use, water-soluble bag. It is uniquely formulated to provide maximum water reduction for high early strengths while producing stronger, more durable concrete. Will reduce water requirements by up to 40% and increase concrete compressive strength at all ages. Supercizer 7 is recommended for all types of concrete where improved concrete performance with a lower water-cement ratio, ultra-high early strengths and improved slump characteristics are desired. Supercizer 7 does not contain calcium chloride, nitrates, nitrites or other potentially corrosive materials and is compatible with all standard concrete admixtures.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Designed for very high early and ultimate strength with smoothest possible finish Excellent for Precast/Prestressed Concrete / Steam curing may be reduced or eliminated Up to 40% water reduction / Improves concrete workability / Higher strengths may be achieved more economically Improves cohesiveness and reduces concrete segregation / Easily adaptable to fast track paving applications Beneficial in all types of high strength concrete applications Allows concrete placement in difficult access or heavily reinforced areas / Lower permeability / Higher durability Reduced shrinkage cracks and creep / Higher modulus of elasticity / Type I cement may be substituted for Type III cement
NS-7 Non-shrink grout fluidifier Make your own non shrink grout Very economic for bulk grout 	<p>Product Description:</p> <p>NS-7 is a ready-to-use dry powdered admixture used to make non shrink grouts. Produces a more uniform and workable non-shrink grout with less water, improved flowability and extended set times.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Increased compressive, shear and bond strength / Increased water retention Higher strengths may be achieved more economically / Easily adaptable to leaner mixes Improves grout workability with no loss in strength Expansion provides better contact with surrounding surfaces Improves watertightness by reducing cracks and cold joints / Improves cohesiveness and decreases bleeding and segregation
Super Slump Buster Slump reducing admixture 	<p>Product Description:</p> <p>Super Slump Buster is a dry powdered slump reducing admixture. It is an economical solution to a concrete mix with too high a slump for proper placement.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Permits controlled slump reduction Allows placement on inclines, curbs, etc. Faster discharge of concrete from trucks Permits placing different flows from the same load Improves finishing characteristics Easier placement of concrete in slip-form machines Does not change water-cement ratio

Maintenance Products

Name	Details
Spatter-Cote Armor-Xtra 	<p>Product Description:</p> <p>Spatter-Cote Armor-Xtra is an eco-friendly spatter protection product that combats concrete build-up on construction equipment.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> Mixture of corrosion inhibitors and non-stick polymers Predominantly water-based Use on equipment or hard surface furnishings during construction, such as windows and stairwells VOC content is less than 10 g/L
Break-In Aluminium Form Conditioner Helps immunise against cement attraction	<p>Product Description:</p> <p>To condition surfaces of new, unused aluminium forms before their first use with fresh concrete. Break-In conditions (or oxidizes) the aluminium surface to help keep concrete from sticking.</p> <ul style="list-style-type: none"> Conditions aluminium forms even at 1°C Is not as messy as "liming" Removes residual oils Biodegradable

Name	Details
Spatter Cote 100 Concrete Spatter Repellent 	<p>Product Description:</p> <p>Spatter-Cote 100 is a solvent based liquid that can be applied to equipment surfaces exposed to concrete spatter. After use, simply clean the equipment by hosing off. Regular use keeps equipment clean and free from build-up.</p> <ul style="list-style-type: none"> • Easily rinses off with water • Applies in hot or cold weather <p>Fields of Application:</p> <ul style="list-style-type: none"> • Ready mix trucks / Concrete pumps • Highway concrete paving equipment • Back side of forms <ul style="list-style-type: none"> • Applies by spray, brush or mop • Does not promote corrosion • Concrete tools and accessories / Screeds • Hard surface finishings during construction (windows, stairwells, etc.) • Dry mix concrete mixers/Portable batch plants
Wax Scarf Water-based Protective Wax Coating 	<p>Product Description:</p> <p>Wax Scarf is a wax emulsion for use as a protective low cost coating for ancillary building equipment e.g. scaffolding, scissor lifts, concrete mixer bowls (external) etc.</p> <ul style="list-style-type: none"> • Easily rinses off with water • Applies in hot or cold weather <p>Fields of Application:</p> <ul style="list-style-type: none"> • Ready mix trucks / Concrete pumps • Highway concrete paving equipment • Back side of forms <ul style="list-style-type: none"> • Applies by spray, brush or mop • Does not promote corrosion • Concrete tools and accessories / Screeds • Hard surface finishings during construction (windows, stairwells, etc.) • Dry mix concrete mixers/Portable batch plants
RP6 Rust Inhibitor Protects against rust for up to six months 	<p>Product Description:</p> <p>Store-Cote RP6 Rust Preventative is applied to steel equipment and forms to protect them from rusting.</p> <ul style="list-style-type: none"> • Applies with same equipment as used for release agents • Is a heavy liquid that stays "wet" - does not harden or dry • Can stay on form, complete removal for form reuse, not necessary • Very low odour <ul style="list-style-type: none"> • Non-flammable • Provides protection for up to 6 months • Not harmful to painted surfaces • Can also work as a release agent • Helps preserve plywood forms • Keep forms ready to use
FC 240 Rust Remover. Removes Rust Off Precast Tables 	<p>Product Description:</p> <p>Use Form Cleaner 240 Rust Remover to remove rust from steel forms, iron railings, etc. It also eats away concrete build-up.</p> <ul style="list-style-type: none"> • Is a thick, pasty gel or "jelly" • Protects treated forms from rust • Promotes bonding of paints to steelwork <ul style="list-style-type: none"> • Quickly dissolves rust • Does not damage steel formwork
Biorem XT Oil Remover Microbial Degreaser & Hard Surface Cleaner	<p>Product Description:</p> <p>Biorem XT is a concentrated microbial cleaner that is used to remove, decompose and eliminate petroleum based soils, spills, and effluents including those created by fuel oils, lubricating oils, greases and other petroleum based products. Biorem XT can be safely used on a wide variety of substrates including asphalt, concrete, fabric, metal, plastic, and wood.</p> <p>Use to remove oil stains from concrete at parking garages, roadways, fuel islands, and other structures that are subject to oil and fuel spills and leaks.</p>
D'Solve Asphalt Remover The Safest and Easiest Way to Remove Asphalt	<p>Product Description:</p> <p>D'Solve is one of the safest and most aggressive asphalt equipment cleaners on the market. When used properly, asphalt equipment of all types will operate efficiently and be free from maintenance issues related to build-up and residual asphalt left on equipment by other leading products. Use D'Solve to remove asphalt, road tack, grease, gums, glues, adhesives, and resins from equipment used to haul, place, or pave asphalt and asphalt related products.</p> 

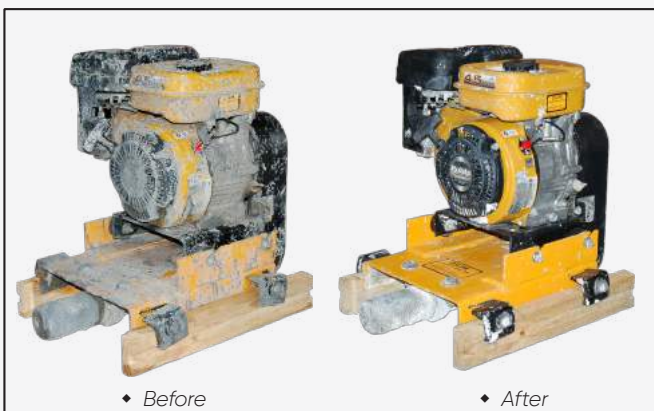


The Only Way To Safely Remove Concrete!

- **Safe**
- **Effective**
- **Non Corrosive**
- **100% Biodegradable**

Liquid Hammer is not corrosive, so it's user and equipment safe. The unique formula is formed onto the concrete surface where it is absorbed and broken down back into a paste that you can brush or wash off.

Clean concrete, cement and mortar off your tools, machinery, vehicles ...and do it safely!



Liquid Hammer Cleans All Your Machinery!

- Liquid Hammer is non-corrosive, so it's user and equipment safe.
- The unique formula is absorbed by the concrete surface and breaks it back down into a paste that you can brush or wash off.
- Clean concrete and mortar off your tools, machinery vehicles - AND DO IT SAFELY!

Concentrate

Available in 5, 20, 200 Lt Drums



Recommended Dilution Ratio

Purpose	Liquid Hammer	Water
For Old Concrete	1 Litre	1 Litre
For Fresh Concrete	1 Litre	3 Litre

Ready to Use

Trigger Bottle, Foamer & Drums

Ready to use in a 200 ml foamer, 750 ml trigger bottle & 200 or 1000 Lt. Drum.

Prediluted 1:1



General Instructions

- Use LIQUID HAMMER in conditions that will prevent the surface to be cleaned from drying out too quickly.
- LIQUID HAMMER is most effective when used in shaded areas or during evening hours.
- LIQUID HAMMER is best applied using a foaming sprayer. Different sprayers generate different thickness or qualities of foam.



Liquid Hammer is sprayed as foam.



The foam sticks to the concrete - less waste.



Liquid Hammer dissolves the concrete.



Hard concrete is turned into paste to be easily removed.

- Apply LIQUID HAMMER generously and wait for 15 minutes or until foam has turned the concrete to a paste. If a paste has not formed, re-apply LIQUID HAMMER. This may occur with heavy buildup or older concrete, which may require several applications and /or brushing. Once a paste has formed, rinse with water and agitate or pressure wash.
- NB: LIQUID HAMMER will also act as a degreaser at the same time as removing concrete/cement.

Powered Foamers

Actech Air Powered Fat Boy Foamers



♦ 242201



Made in
ITALY



♦ 242202



♦ 242203



♦ 242204

Model	Fatboy Foamer 14	Fatboy Foamer 24	Fatboy Foamer 50	Fatboy Foamer 100
Capacity	14.0 L	24.0 L	50.0 L	100.0 L
Power	Air Powered	Air Powered	Air Powered	Air Powered
Body	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Code	242201	2422102	242203	242204

Liquid Hammer 80 Lt Foam Cart

The new LH 80L Foaming Cart offers innovative new features and ergonomics for cleaning of your machinery.

Dosing is simple ! For everyday cleaning add 1 x 20L drum of Liquid Hammer concentrate and fill the tank with water to give you a 3:1 ratio.

- ♦ 9.0 M of hose
- ♦ Ergonomic design featuring 4 wheels
- ♦ Drain feature allows for easy emptying
- ♦ 80 Lt. Capacity
- ♦ 200 mm fill cap makes filling easy
- ♦ Requires compressed air source



♦ 240925

Liquid Hammer Foaming Station

This unit runs on continuous supply of compressed air.

This unit has an air driven pump that draws in either Liquid Hammer concentrate or Ready-to Use Liquid Hammer, and then mixes it with air and water (optional if you want to dilute) to generate a high volume of foam.

This unit is perfect for cleaning large machinery like concrete trucks.



♦ 240500

AF Foamer

- ♦ 10 Litre Capacity
- ♦ Heavy duty plastic tank
- ♦ Rated to 3 Bar Pressure
- ♦ Portable air powered former
- ♦ Can be charged by air compressor



Made in
ITALY

♦ 208015

Powered Sprayers

Actech Air Powered Fatboy Sprayer - Premium

This unit will spray 5 tables before needing a recharge of compressed air.



Specifications:

- ♦ Heavy Duty Stainless Steel Trolley with large inflatable tyres
- ♦ 25L Steel Tank
- ♦ Quick connect fittings
- ♦ 6M HD rubber hose
- ♦ 700 mm Spray Lance (Gun) with trigger
- ♦ Tip assemblies to suit your product
- ♦ Medium Duty Cycle
- ♦ Inline Filter
- ♦ Provision for 2 hoses (1 supplied in kit)

Optional Extras:

- ♦ Additional length hoses
- ♦ Spray boom for large area spraying
- ♦ Spray extensions from 300 to 1500 mm
- ♦ For more options see bottom of page 24



♦ 24PS.000

Actech Air Powered Fatboy Sprayer - Standard



♦ 242101



♦ 242102



♦ 242103



♦ 242104



♦ 242105

Model	Fatboy Sprayer 14	Fatboy Sprayer 25	Fatboy Sprayer 50	Fatboy Sprayer 100	Fatboy Sprayer 150
Capacity	14.0 L	25.0 L	50.0 L	100.0 L	150.0 L
Body	Steel	Steel	Steel	Steel	Steel
Code	242101	242102	242103	242104	242105

Manual Sprayers

MADE IN
NORTH
AMERICA
BEWARE OF
CHEAP IMITATIONS



Model	Chapin 1949	Chapin 22790	Cicada
Capacity	13.2 L	12.0 L	5.0 L
Viton	Yes	Yes	No
Body	Steel (Epoxy lined)	Polyethylene	Plastic
Code	201949	202279	200115

Manual Foamers



Model	LH - F10	LH - F2
Capacity	10.0 L	2.0 L
Viton	Yes	Yes
Body	Polyethylene	Polyethylene
Code	208010	202492

Sprayer Spare Parts and Accessories

Non Drip Tip

If you use your sprayer a lot, you should consider upgrading the spray tip to include a Non-Drip Tip.

The unit includes pressure sensitive stop filter. This prevents the tip from blocking, and ensures that when the trigger is turned off, there is no residual flow out of tip. Ask for one when you next order a sprayer!

Non Drip	Tip Size	Complete
2NDT-	xx...xx	COMPL
Tip Size: 1100067, 400067, 80015, 8004E, 80067.		



♦ For Traditional Fat Boy & Chapin Sprayers

♦ For Italian Fat Boy Sprayers



Spray Tips & Filters

Code	Description	Angle	Flow Rate
2NDT-TP-100067	Brass 1100067 Spray Tip	110	0.067
2NDT-TP-110015	Brass 110015 Spray Tip	110	0.150
2NDT-TP-11002	Brass 11002 Spray Tip	110	0.020
2NDT-TP-11004E	Brass 1104E Spray Tip	110	0.040
2NDT-TP-400067	Brass 400067 Spray Tip	40	0.067
2NDT-TP-40015	Brass 40015 Spray Tip	40	0.150
2NDT-TP-80004	Brass 80004 Spray Tip	80	0.040
2NDT-TP-800050	Brass 800050 Spray Tip	80	0.050

Code	Description	Angle	Flow Rate
2NDT-TP-800067	Brass 800067 Spray Tip	80	0.067
2NDT-TP-80015	Brass 80015 Spray Tip	80	0.150
2NDT-TP-8004	Brass 8004 Spray Tip	80	0.040
2NDT-TP-STD	Standard Female Chapin Tip	-	-
2NDT-ST-05-100SS	SS Filter 5PSI / 100 micron	-	-
2NDT-ST-10-100SS	SS Filter 10PSI / 100 micron	-	-
2NDT-ST-20-100SS	SS Filter 20PSI / 100 micron	-	-
2NDT-ST-40-100SS	SS Filter 40PSI / 100 micron	-	-

Sprayer Spare Parts



♦ RL-16 Gun



♦ Chapin Xtreme Dripless Trigger Gun



♦ Steel Wand



♦ Brass Wand

Chapin Spare Parts

Code	Description
242204	Industrial Viton Repair Kit
266094	D Handle for Chapin
266091	Chapin Hose - 48in Industrial
266062	Chapin Brass Shut-Off Handle
266093	Chapin Complete Plunger Assembly
267711	Brass Wand 450 mm Long
267703	Brass Wand 600 mm Long
268135	Chapin Xtreme Dripless Trigger Gun

Fatboy Spare Parts

Code	Description
242130	Fatboy Spiral Hose 7.5 M
242131	Fatboy Spiral Hose 10 M
242132	Fatboy PVC Blue Hose 5 M
242133	Fatboy PVC Blue Hose 10 M
242134	Fatboy PVC Blue Hose 15 M
242135	Fatboy PVC Blue Hose 20 M
242136	Fatboy PVC Blue Hose 25 M

Fatboy Wands & Guns

Code	Description
2RL16-xxxx	Steel wands 300, 500, 700 & 1500 mm
2RL16	Gun Body RL-16
242121	Fatboy Stainless Telescopic Wand 100-200 cm
242120	Fatboy Stainless Wand 75cm Standard



Panel Shims	Plastic Full & Half Shims, Steel Shims, Plastic Wedges	26
Plastic Packers For Curing & Storage	Panel Pads, Mini Corner Guard	26
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AS 2425 (2015) Compliance

All plastic, steel and concrete bar chairs sold by Actech Comply with AS 2425 (2015) !!

Spacers

Panel Shims

Plastic Full & Half Shims



Steel Shims



- ♦ Heavy Duty
- ♦ Zinc Plated

Thickness	Plastic				Steel - Zinc Plated	
	Full Shims 150 x 100		Half Shims 75 x 100		Steel Shims 100 x 100	
	Code	Pack (pc)	Code	Pack (pc)	Code	Pack (pc)
1 mm	301301	100	301001	200	309001	25
2 mm	301302	200	301002	400	309002	20
3 mm	301303	100	301003	200	309003	20
5 mm	301305	100	301005	200	309005	20
10 mm	301310	40	301010	80	309010	10
15 mm	301315	40	301015	80	309015	5
20 mm	301320	30	301020	60	309020	5

Plastic Wedges

Precast and Formwork

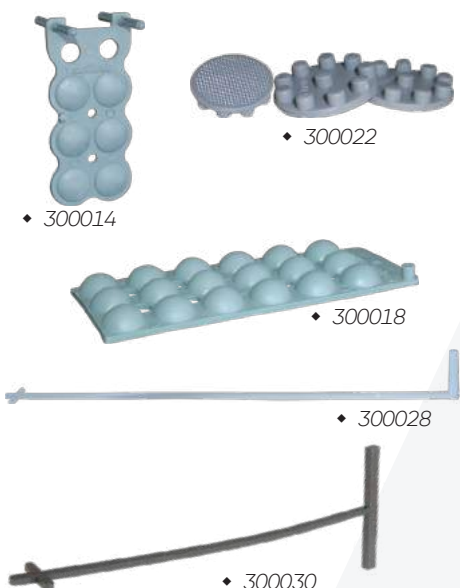
Code	Name	Size (L x W x H) (mm)	Pack (pc)
3000WE.2	Wedge #2	50 x 14 x 12	1000
3000WE.4	Wedge #4	75 x 28 x 12	1000
3000WE.6	Wedge #6	120 x 35 x 20	500
3000WE.7	Wedge #7	50 x 35 x 7/10	500



Plastic Packers For Curing & Storage

Panel Pads

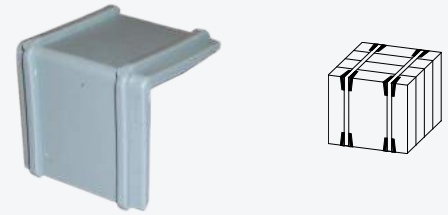
Code	Name	Size	Pack (pc)
Vertical Stacks			
300014	Panel pad T	90 mm x 40 mm	500
Horizontal Stacks			
300016	Panel Pad Mini	70 mm x 50 mm	500
300018	Panel Pad Midi. Grey	140 mm x 58 mm	200
300020	Panel Pad Maxi	140 mm x 65 mm	200
300022	Panel Pad 4D/25	Round Ø25 mm, 4 mm Thick	1000
300020W	Panel Pad Midi White	140 mm x 58 mm	200
Vertical or Horizontal			
300028	Packfix-K	340 mm Long 4 mm Gap Width	1000
300030	Packfix 180	180 mm Long with T Support	1000



Mini Corner Guard

Plastic corner pieces are used to protect concrete or stone edges against metal strapping.

Code	Name	Strap Width	Pack (pc)
300045	Mini Corner Guard	Up to 21 mm	1000



Standard Bar Chairs

Fastclip Bar Chair – FCB

For 4 mm – 20 mm Bar

Code	Name	Cover (mm)	Pack (pc)
32FCB15	FCB 15	15	100
32FCB20	FCB 20	20	100
32FCB25	FCB 25	25	100
32FCB30	FCB 30	30	100
32FCB35	FCB 35	35	100
32FCB40	FCB 40	40	100

Code	Name	Cover (mm)	Pack (pc)
32FCB45	FCB 45	45	100
32FCB50	FCB 50	50	100
32FCB60	FCB 60	60	100
32FCB65	FCB 65	65	100
32FCB75	FCB 75	75	100



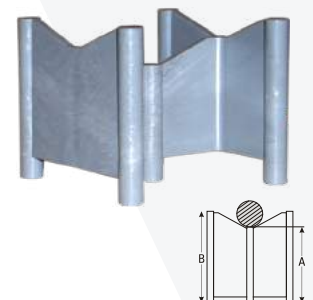
Bottom Deck Spacer

M Range

Code	Name	Cover (mm)	
		'A'	'B'
32BDS1520	BPDS 15/20	15	20
32BDS2530	BPDS 25/30	25	30
32BDS3540	BPDS 35/40	35	40
32BDS4550	BPDS 45/50	45	50

A Range

Code	Name	Cover (mm)	
		'A'	'B'
32BDS2025A	BDS 20/25	20	25
32BDS2530A	BDS 25/30	25	30
32BDS3040A	BDS 30/40	30	40
32BDS3545A	BDS 35/45	35	45
32BDS4050A	BDS 40/50	40	50



Top Deck Spacer

M Range

Code	Name	Cover (mm)	
		'A'	'B'
32TDS065075	TDS 65/75	65	75
32TDS090100	TDS 90/100	90	100
32TDS110120	TDS 110/120	110	120
32TDS130140	TDS 130/140	130	140
32TDS150160	TDS 150/160	150	160
32TDS170180	TDS 170/180	170	180
32TDS190200	TDS 190/200	190	200

A Range

Code	Name	Cover (mm)	
		'A'	'B'
32TDS09100A	TDS 90/100	90	100
32TDS11120A	TDS 110/120	110	120
32TDS13140A	TDS 130/140	130	140
32TDS15160A	TDS 150/160	150	160
32TDS17180A	TDS 170/180	170	180
32TDS19200A	TDS 190/200	190	200



Spacers

Speciality Bar Chairs

Snapfix

General applications for most bars 6-20 mm

Code	Name	Cover (mm)	Pack (pc)
32SNP15	Snapfix 15	15	100
32SNP20	Snapfix 20	20	100
32SNP25	Snapfix 25	25	100
32SNP30	Snapfix 30	30	100
32SNP35	Snapfix 35	35	100
32SNP40	Snapfix 40	40	100
32SNP45	Snapfix 45	45	100

Code	Name	Cover (mm)	Pack (pc)
32SNP50	Snapfix 50	50	100
32SNP55	Snapfix 55	55	100
32SNP60	Snapfix 60	60	100
32SNP65	Snapfix 65	65	100
32SNP70	Snapfix 70	70	100
32SNP75	Snapfix 75	75	100
32SNP90	Snapfix 90	90	100



- Flexible head allows for easy grip of large diameter steel bars

Maxifix

Maxifix is a sturdy clip on spacer for medium to heavy duty usage in all types of applications found in Precast yards and on site

Code	Name	Cover (mm)	Pack (pc)
32MAX15.825	Maxifix 15/ 8-25	15	1000
32MAX20.825	Maxifix 20/ 8-25	20	1000
32MAX25.825	Maxifix 25/ 8-25	25	1000
32MAX30.825	Maxifix 30/ 8-25	30	500
32MAX35.825	Maxifix 35/ 8-25	35	500
32MAX40.825	Maxifix 40/ 8-25	40	500

Code	Name	Cover (mm)	Pack (pc)
32MAX45.825	Maxifix 45/ 8-25	45	500
32MAX50.825	Maxifix 50/ 8-25	50	500
32MAX55.825	Maxifix 55/ 8-25	55	500
32MAX60.825	Maxifix 60/ 8-25	60	500
32MAX75.825	Maxifix 75/ 8-25	75	250
32MAX100.825	Maxifix 100/ 8-25	100	250

- Easy to use and strong - for 5 to 25 mm bars
- More cost effective than other heavy duty spacers
- It can be fixed horizontally or vertically on bars



Normfix Heavy Duty Plastic Spacer

Normfix bar spacer for 8-24 mm bars works at up to 90Deg C



Normfix in Level Crossing Removal Project

Normfix is a heavy duty bar chair that was chosen to be used for these large elements in the elevated rail project for the Caulfield to Dandenong Rail project.

In the past, these large elements had used continuous bar chairs like our Semifix Super, but with the trend away from continuous bar chairs for infrastructure projects, concrete pot spacers like Ausfix HD were the only alternatives. However, pot spacers leave a large footprint on the finished product which may not always match the cured colour of the rest of the element.

Please consider this range for your next project

Normfix was chosen as it is the **strongest bar chair** on the Australian market, yet still has a minimal footprint on the bed surface. Normfix has a point load rating of **500 kg** under AS2425 testing protocols!

We are finding more and more major element producers are moving away from standard FCB chairs to our range of chairs in this order of increasing capacity:

- ♦ SNAPFIX
- ♦ MAXIFIX
- ♦ NORMFIX



Code	Name	Cover (mm)	Pack (pc)
32NORM.20	Normfix 20	20	250
32NORM.25	Normfix 25	25	250
32NORM.30	Normfix 30	30	250
32NORM.35	Normfix 35	35	250
32NORM.40	Normfix 40	40	250

Code	Name	Cover (mm)	Pack (pc)
32NORM.50	Normfix 50	50	250
32NORM.60	Normfix 60	50	250
32NORM.65	Normfix 65	65	250
32NORM.75	Normfix 75	75	250

Architectural Panel Chairs

Cross Chairs

Perfect for Architectural Precast! ♦ Pack- 200, 500 or 1,000 per box.

Code	Name	Type	Cover (mm)
32CROSS.020	Cross Chair 20	A	20
32CROSS.025	Cross Chair 25	A	25
32CROSS.030	Cross Chair 30	A	30
32CROSS.040	Cross Chair 40	A	40
32CROSS.045	Cross Chair 45	A	45
32CROSS.050	Cross Chair 50	A	50
32CROSS.060	Cross Chair 60	A	60
32CROSS.065	High Cross Chair 65	B	65
32CROSS.070	High Cross Chair 70	B	70
32CROSS.075	High Cross Chair 75	B	75
32CROSS.085	High Cross Chair 85	B	85
32CROSS.090	High Cross Chair 90	B	90
32CROSS.095	High Cross Chair 95	B	95
32CROSS.100	High Cross Chair 100	B	100
32CROSS.110	High Cross Chair 110	B	110
32CROSS.115	High Cross Chair 115	B	115
32CROSS.120	High Cross Chair 120	B	120
32CROSS.125	High Cross Chair 125	B	125
32CROSS.135	High Cross Chair 135	B	135
32CROSS.140	High Cross Chair 140	B	140
32CROSS.155	High Cross Chair 155	B	155
32CROSS.165	High Cross Chair 165	B	165
32CROSS.180	High Cross Chair 180	B	180

Type-A



- ♦ Foot Print 45 mm
- ♦ Type-A chairs are light duty only.

Type-B



- ♦ Foot Print 70 mm
- ♦ Type-B chairs are stackable to increase height

♦ Needle Points



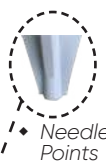
- ♦ Plastic bar support at low cost. Strong, no bleed, rust proof and easy to use. Good concrete flow. Tapered legs to ensure minimal form contact.

Cross Chairs can be made in Black for dark concrete

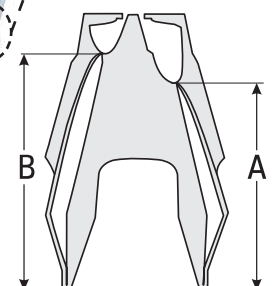
Tilt Panel Chair for Central Mesh Panels

This chair will take the same capacity as a wire chair and has the advantage of being clip-on.

Code	Name	Cover (mm)		Pack (pc)	Pallet (pc)
		'A'	'B'		
32PANEL.3040	Panel Chair 30/40	30	40	100	5,000
32PANEL.5060	Panel Chair 50/60	50	60	100	5,000
32PANEL.6575	Panel Chair 65/75	65	75	100	5,000
32PANEL.90100	Panel Chair 90/100	90	100	100	5,000



♦ Needle Points



Panel Chairs can be made in Black for dark concrete

Spacers

Mesh Chairs

Fastclip Mesh Chair - FCM

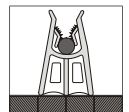
Code	Name	Cover (mm)	Pack (pc)
32FCM20	FCM 20	20	100
32FCM25	FCM 25	25	100
32FCM30	FCM 30	30	100
32FCM40	FCM 40	40	100
32FCM50	FCM 50	50	100
32FCM65	FCM 65	65	100
32FCM75	FCM 75	75	100



Multifix

Suitable for pits and light mesh

Code	Name	Cover (mm)	Pack (pc)
32MFX10	Multifix 10	10	500
32MFX15	Multifix 15	15	500
32MFX20	Multifix 20	20	500
32MFX25	Multifix 25	25	500
32MFX30	Multifix 30	30	500
32MFX35	Multifix 35	35	250
32MFX40	Multifix 40	40	125
32MFX45	Multifix 45	45	125
32MFX50	Multifix 50	50	125



♦ Works Sideways

Mesh Separators

Perfect for double mesh applications like 175 & 200 mm panels & slabs

These are used to hold up the top mesh in a double mesh situation. Sit it over the bottom mesh.

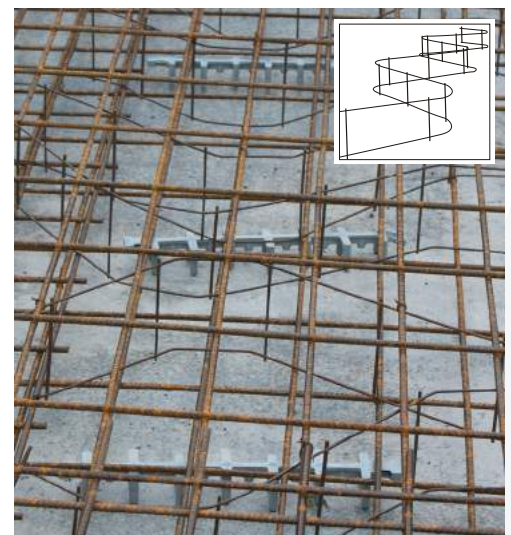
Snake

Snake is great for panels

- ♦ Length: 2000 mm
- ♦ Width: 200 mm
- ♦ Bundle: 25 Pc

Code	Name	Height (mm)	Pallet (pc)
33SNAKE.040	Snake 40	40	2000
33SNAKE.050	Snake 50	50	1500
33SNAKE.060	Snake 60	60	1500
33SNAKE.070	Snake 70	70	1000
33SNAKE.080	Snake 80	80	1000
33SNAKE.090	Snake 90	90	1000
33SNAKE.100	Snake 100	100	900
33SNAKE.120	Snake 120	120	700
33SNAKE.140	Snake 140	140	600
33SNAKE.160	Snake 160	160	500
33SNAKE.180	Snake 180	180	500

110, 130, 150, 200, 220, 240, 260, 280, 300, 320, 340, 360 and 380 mm available on special orders only.



Continuous Bar Chairs

Semifix Super

Joinable- Heavy Duty

Code	Name	Cover (mm)	Length (mm)	Pack (pc)
33SSUPER.25	Semifix Super 25	25	350	100
33SSUPER.30	Semifix Super 30	30	350	100
33SSUPER.35	Semifix Super 35	35	350	100
33SSUPER.40	Semifix Super 40	40	350	100
33SSUPER.45	Semifix Super 45	45	350	100
33SSUPER.50	Semifix Super 50	50	350	100
33SSUPER.55	Semifix Super 55	55	350	100
33SSUPER.60	Semifix Super 60	60	350	100
33SSUPER.75	Semifix Super 75	75	350	100



Custom colours available

ZZ - Standard Legs

Code	Name	Cover (mm)	Length (M)	Bundle (M)	Pallet (M)
33ZZ20A	ZZ-20	20	2.0	100	5000
33ZZ25A	ZZ-25	25	2.0	100	5000
33ZZ30A	ZZ-30	30	2.0	100	5000
33ZZ35A	ZZ-35	35	2.0	80	3200
33ZZ40A	ZZ-40	40	2.0	80	3200
33ZZ45A	ZZ-45	45	2.0	80	3200
33ZZ50A	ZZ-50	50	2.0	80	3840
33ZZ55A	ZZ-55	55	2.05	82	3280
33ZZ60A	ZZ-60	60	2.05	82	3280
33ZZ65A	ZZ-65	65	2.05	82	3280



Bolster Deck Rail

Joinable

Code	Name	Cover (mm)	Length (mm)	Pack (pc)
33BDR.025	Bolster Deck Rail 25	25	750	50
33BDR.030	Bolster Deck Rail 30	30	750	50
33BDR.035	Bolster Deck Rail 35	35	750	50
33BDR.040	Bolster Deck Rail 40	40	750	50
33BDR.045	Bolster Deck Rail 45	45	750	50
33BDR.050	Bolster Deck Rail 50	50	750	50
33BDR.055	Bolster Deck Rail 55	55	750	50
33BDR.060	Bolster Deck Rail 60	60	750	50
33BDR.065	Bolster Deck Rail 65	65	750	50
33BDR.070	Bolster Deck Rail 70	70	750	50
33BDR.075	Bolster Deck Rail 75	75	750	50
33BDR.080	Bolster Deck Rail 80	75	750	50
33BDR.085	Bolster Deck Rail 85	85	750	50
33BDR.090	Bolster Deck Rail 90	90	750	50
33BDR.095	Bolster Deck Rail 95	95	750	50
33BDR.100	Bolster Deck Rail 100	100	750	50
33BDR.BASE	Bolster Deck Rail Base	-	750	50



♦ Bolster Deck Rail

Custom colours available



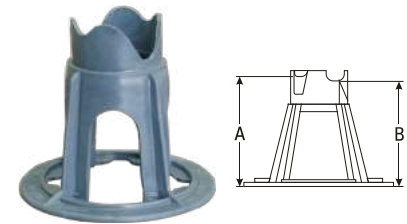
♦ Bolster Deck Rail Base

Spacers

Slab on Ground Chairs

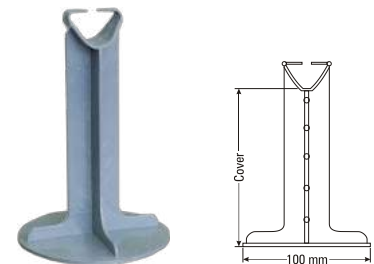
Combo

Code	Name	Cover (mm)		Pack (pc)
		A	B	
311001	Combo 25/40	25	40	100
311005	Combo 50/65	50	65	100
311006	Combo 50/65C	50	65	100
311010	Combo 75/90	75	90	100
311015	Combo 85/100	85	100	100



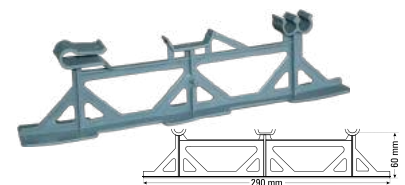
SOG

Code	Name	Cover (mm)	Pack (pc)
311095	SOG 95C	95	100
311100	SOG 100C	100	100
311110	SOG 110C	110	100
311120	SOG 120C	120	100
311130	SOG 130C	130	100
311140	SOG 140C	140	100
311150	SOG 150C	150	100



Trench Mesh Support

Code	Name	Cover (mm)	Pack (pc)
311200	Trench Mesh Support	60	25



Spider Metal Bar Chairs

Code	Height (mm)	Pack (pc)	Code	Height (mm)	Pack (pc)
339020	20	100	339120	120	50
339025	25	100	339130	130	50
339030	30	100	339140	140	50
339040	40	100	339150	150	50
339050	50	100	339160	160	50
339065	65	100	339170	170	50
339075	75	100	339180	180	25
339080	80	100	339190	190	25
339090	90	100	339200	200	25
339100	100	100	339210	210	25
339110	110	50	339220	220	25



♦ Plastic Tip

♦ Sizes 230, 240, 250, 260, 270, 280, 290, 300 & 400 available on special order.

Pizza Plates

To be used with Spider Metal Bar Chairs

Code	Name	Dia (mm)	Pack (pc)
339001	Pizza Plate 154	154	100
339002	Pizza Plate 224	224	50



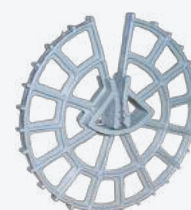
Circular Spacers

Minifix Plastic Wheels

Sturdy and Stable

Cover (mm)	4-8	4-18	20-26
15	●		
20	●	●	
25	●	●	
30	●	●	
40	●	●	

Cover (mm)	4-8	4-18	20-26
45		●	
50		●	
60		●	
75		●	●
100		●	



♦ Minifix 75 Super 4/18

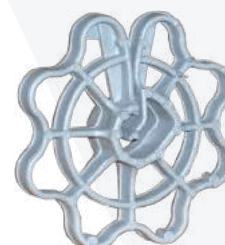


♦ Minifix Standard

Ultrafix Versatile Wheel

Very Good Value

Code	Name	Cover (mm)	For steel dia (mm)	Pack (pc)
34UFIX15.410	Ultrafix 15/ 4-10	15	4 to 10	1000
34UFIX20.410	Ultrafix 20/ 4-10	20	4 to 10	500
34UFIX20.516	Ultrafix 20/ 5-16	20	5 to 16	500
34UFIX25.410	Ultrafix 25/ 4-10	25	4 to 10	500
34UFIX25.516	Ultrafix 25/ 5-16	25	5 to 16	500
34UFIX30.410	Ultrafix 30/ 4-10	30	4 to 10	500
34UFIX30.516	Ultrafix 30/ 5-16	30	5 to 16	125
34UFIX35.516	Ultrafix 35/ 5-16	35	5 to 16	125
34UFIX40-516	Ultrafix 40/ 5-16	40	5 to 16	125
34UFIX50.516	Ultrafix 50/ 5-16	50	5 to 16	100



♦ 5-16



♦ 4-10

Why is Ultrafix the Best wheel?

Its unique design in 5-16 range ensures when it clips on it stays on. It can rotate but not fall off.

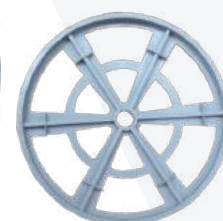
Drifix Plastic Wheels

Heavy duty for piling application

Code	Name	Cover (mm)	Bar Size (mm)	Pack (pc)
34D5012G	Drifix 50/12G	45	up to 12	100
34D50816K	Drifix 50/8-16K	45	8 to 16	100
34D7013G	Drifix 70/13G	70	up to 13	100
34D75816K	Drifix 75/8-16K	75	8 to 16	100
34D75G	Drifix 75G	75	up to 14	100
34D100G	Drifix 100G	90	up to 18	100



♦ Drifix 'K'



♦ Drifix 'G'

HD Circular Plastic and Carbon Fibre

Cover (mm)	Plastic Wheel		Carbon Fibre Wheel	
	Code	Pack (pc)	Code	Pack (pc)
40	34CO40HD	100	-	-
50	34CO50HD	60	34SS050	60
65	-	-	34SS065	40
75	34CO75HD	30	-	-
80	34CO80HD	25	-	-
85	34CO85HD	25	-	-
100	34C100HD	30	34SS100	30



♦ HD Circular Plastic



♦ HD Circular Carbon Fiber

Spacers

Concrete Bar Spacers

Ausfix HD Heavy Duty Concrete Spacers

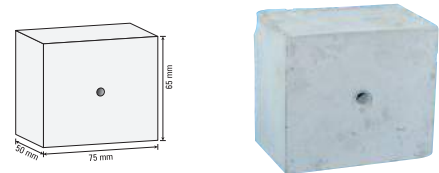
Code	Cover (mm)	Pc/Bag	Bags/Pallet	Pc/Pallet
35AUSHD.25	25	250	120	30,000
35AUSHD.30	30	295	100	25,000
35AUSHD.35	35	170	80	13,600
35AUSHD.40	40	145	80	11,600
35AUSHD.45	45	125	80	10,000
35AUSHD.50	50	110	80	8,800
35AUSHD.55	55	100	80	8,000
35AUSHD.60	60	90	80	7,200
35AUSHD.65	65	80	80	6,400
35AUSHD.70	70	70	80	5,600
35AUSHD.75	75	65	80	5,200
35AUSHD.80	80	60	80	4,800
35AUSHD.85	85	32	80	2,560
35AUSHD.90	90	30	80	2,400
35AUSHD.95	95	27	80	2,160
35AUSHD.100	100	25	80	2,000



- ♦ Gal tie wire
- ♦ 65 MPA Concrete
- ♦ Compliance with state road body requirements
- ♦ New larger sizes from 85 to 100 mm available

Conac Brick *3 Covers and central hole to secure to reinforcement*

Code	Name	Size (mm)	Pack (pc)
35CB765	Conac Brick	75 x 65 x 50	24

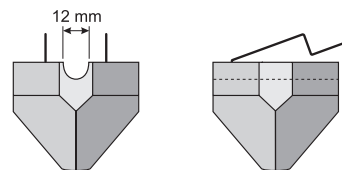


- ♦ Protected AU Design No: 201213979

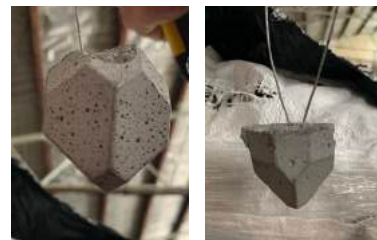
Kreuzfix - Intersection Concrete Spacer

- ♦ Suitable for bridge beams
- ♦ Suitable for tunnel beam segments
- ♦ Smallest footprint for a concrete spacer

Code	Name	Cover	Pack
35KR12.30	Kreuzfix 12/30	30	250
35KR12.35	Kreuzfix 12/35	35	200
35KR12.40	Kreuzfix 12/40	40	150
35KR12.45	Kreuzfix 12/45	45	120
35KR12.50	Kreuzfix 12/50	50	100
35KR12.55	Kreuzfix 12/55	55	70
35KR12.60	Kreuzfix 12/60	60	60



- ♦ Standard design to work with 12mm bar



- ♦ Special order with wires for larger bar

Dog Bone Spacer

Code	Cover (mm)	Pc/Bag	Bags/Pallet	Pcs/Pallet
35DB223	20 / 25 / 30	600	80	48000
35DB345	35 / 40 / 50	185	80	14800
35DB456	45 / 55 / 60	130	80	10400

- ♦ 3 separate covers clearly marked
- ♦ Cast "not extruded" for accuracy



Triangular Concrete Bar Spacer

Zick Zack

Code	Name	Cover (mm)	Pc/Pallet
35TZ.30	Zick Zack 30	30	1300
35TZ.35	Zick Zack 35	35	1150
35TZ.40	Zick Zack 40	40	980
35TZ.45	Zick Zack 45	45	820
35TZ.50	Zick Zack 50	50	740
35TZ.55	Zick Zack 55	55	700
35TZ.60	Zick Zack 60	60	520
35TZ.65	Zick Zack 65	65	500
35TZ.70	Zick Zack 70	70	470
35TZ.75	Zick Zack 75	75	410
35TZ.80	Zick Zack 80	80	360
35TZ.90	Zick Zack 90	90	290
35TZ.100	Zick Zack 100	100	220

All concrete spacers are tested for

- Strength •
- RCPT •
- Sorptivity •
- VPV •

In compliance with all state requirements



♦ 800 mm Long

Trapezium Standard

Cover (mm)	300 mm Long Straight		600 mm Long Straight		1200 mm Long Straight	
	Code	Pc/Pallet	Code	Pc/Pallet	Code	Pc/Pallet
30	35TS03.30	4150	35TS06.30	2100	35TS12.30	950
35	35TS03.35	3150	35TS06.35	1600	35TS12.35	730
40	35TS03.40	2600	35TS06.40	1300	35TS12.40	600
45	35TS03.45	2050	35TS06.45	1000	35TS12.45	480
50	35TS03.50	1750	35TS06.50	850	35TS12.50	400
55	35TS03.55	1500	35TS06.55	750	35TS12.55	350
60	35TS03.60	1300	35TS06.60	640	35TS12.60	300
70	35TS03.70	950	35TS06.70	470	35TS12.70	200



♦ Available in 300 mm, 600 mm & 1200 mm lengths

- ♦ High stability through wide support surface
- ♦ Applicable also for isolations
- ♦ High bearing pressure
- ♦ Perfect for slab on ground applications

Trapezium with Bumps

Cover (mm)	340 mm Long Straight		670 mm Long Bent	
	Code	Pc/Pallet	Code	Pc/Pallet
25	35TB03.25	5700	-	-
30	35TB03.30	4400	-	-
35	35TB03.35	3700	35TB06.35	1800
40	35TB03.40	3100	35TB06.40	1500
45	35TB03.45	2700	35TB06.45	1300
50	35TB03.50	2400	35TB06.50	1200
55	35TB03.55	2000	35TB06.55	950
60	35TB03.60	1700	35TB06.60	850
65	35TB03.65	1540	35TB06.65	750
70	35TB03.70	1400	35TB06.70	700
75	35TB03.75	1200	35TB06.75	600
80	35TB03.80	1100	35TB06.80	520

- ♦ Perfect for architectural finishes in precast
- ♦ Small bumps do not show in concrete surface
- ♦ Inverted shape is retained in precast
- ♦ Clips for Vertical Application



♦ 340 mm Long Straight (Best for Vertical)



♦ 670 mm Long Bent (Best for Horizontal)

Spacers

Panel ID Plates



Colour	Standard 100 mm 103x183	Small 75 mm 73x183	Pack (pc)
White	8PIDWH	8PIDWH75	100
Sky Blue	8PIDLB	8PIDLB75	100
Green	8PIDGR	8PIDGR75	100
Yellow	8PIDYEL	8PIDYEL75	100
Brown	8PIDBR	8PIDBR75	100
Orange	8PIDOR	8PIDOR75	100
Red	8PIDRED	8PIDRED75	100

- ◆ Custom Plates can be also made with your logo for a one-off charge.
- ◆ These plastic plates come with standard locations for giving all details required for panel identification and quality control.

Bar Guards



Code	Name	Bar Size (mm)	Pack (pc)
83BARG.SF1	Bar guard SF 1	Specially for 12	250
83BARG.SF2	Bar guard SF 2	16 to 30	250
83BARG.SF3	Bar guard SF 3	8 to 16	250
83BARG.SF4	Bar guard SF 4	16 to 30	100
83BARG.SF5	Bar guard SF 5	25 to 40	50
83BARG.SFM	Bar guard 'C'	12 to 33	100
83BARG.RCM8	Bar guard 'D'	8 to 16	100
83BARG.RCM16	Bar guard 'D'	16 to 32	100
83BARG.SUP	Bar guard with 4 mm Steel Plate	10 to 20	100

◆ All bar guards are designed for scratch resistance and to prevent catching, but not to resist impalement.



Formwork Plywood	Formwork Plywood – Structural, ACTIPLY F17, Formwork Plywood – Non Structural, Formwork Nails, Self Drilling Screws	38
LVL Beams & Planks	Formwork LVL – 2.4M to 12M, Edgeboard LVL – 6.0M	39
Fillets	PVC Fillet, Hollow & Solid Mock Joints, Timber – Pine Fillet, Steel Fillet, Aluminium Triangular Fillet Type-'5', Double Sided Tape, Fillet Accessories etc., Custom Profiles & Engraving	40
Z-Bar & Fittings	Steel Z-Bar, Z-Bar Ferrule & Joiners, Z-Bar Weldable Nuts, Z-Bar Cast Nuts, Z-Bar Wing Nut, Z-Bar Expansion Shell, Z-Bar Flange Plate, Z-Bar Water Barrier, Z-Bar Lifting Hook & Bolt	42
Tielock	Fibre Reinforced Polymer Z-Bar	43
Z-Bar, Conduits & Cones	Z-Bar Conduit, Z-Bar Cones, Plugs And Stoppers For Formwork, Aquafix, BeSealed Sealing Plug, BeSealed Sealing UFO, BeSealed Sealing Connector, BeSealed Sealing Connector with Closing Strip	44
Column Forms	PVC Column Forms, Formatube	47
Upright Props	Formwork Props – Standard	47
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Tie Wire, Reinforcement Ties & Tying Tools	Belt Pack Tying Wire, Bindefix, Klein Reels And Belts, Loop Tie Tool, Double Loop Tie, Nippers	50

Formwork

Formwork Plywood



Formwork Plywood – Structural

ACTIPLY F17 Range

Code	Size (mm)	Thickness (mm)	Strength	AU Standard	Class
433050	1800 x 1200	17	F17	AS 6669	Class 2
433051	2400 x 1200	17	F17	AS 6669	Class 2

Properties

AU Standard	Complies with AS 6669:2007 Plywood-Formwork, FSC 100% certified.
Thickness	17mm-11 layers
Species	100% Hardwood: Eucalyptus Core; Eucalyptus or Poplar face/back, Class 2
Adhesive	A Bond-WBP, water boil proof.
Formaldehyde Emissions	E0
Film Face	Paper in Black colour, weight: more than 80g/m ²

Formwork Plywood – Non Structural

Code	Size (mm)	Thickness (mm)	Strength
4PLYA.12	2400 x 1200	12	F11
4PLYA.17	2400 x 1200	17	F11
4PLYA.20	2400 x 1200	20	F11
4PLYA.25	2400 x 1200	25	F11



Formwork Nails

♦ Packed in plastic bucket

Bullet Head		Duplex Nails		Wire Dia (mm)	Length (mm)
Code	Pack (kg)	Code	Pack (kg)		
46FIL.N25180	5 & 25	-	-	1.80	25
46FIL.N30200	5 & 25	-	-	2.00	30
46FIL.N50280	5 & 15	46FIL.N50D280	5 & 25	2.80	50
46FIL.N75375	5 & 15	46FIL.N75D375	5 & 15	3.75	75
46FIL.N10045	5 & 15	46FIL.N100D45	5 & 15	4.50	100



♦ Bullet Head



♦ Duplex Nails

LVL Beams & Planks



Formwork LVL - 2.4M to 12M

Lengths	Cut to Order					Standard	
Profile	2.4 M	3.0 M	3.6 M	4.2 M	4.8 M	6.0 M	12.0 M
95 x 45 mm	●	●	●	●	●	●	●
95 x 63 mm	●	●	●	●	●	●	●
150 x 77 mm	●	●	●	●	●	●	●



Edgeboard LVL - 6.0M

Code	Width (mm)	Thickness (mm)	Length (M)	Pc/ Pack
4LVL100-36	100	36	6.0	60
4LVL150-36	150	36	6.0	40
4LVL170-36	170	36	6.0	35
4LVL200-36	200	36	6.0	30
4LVL240-36	240	36	6.0	25
4LVL300-36	300	36	6.0	20



♦ Custom length also available

Self Drilling Screws

Type 17 for timber

Length (mm)	12 Gauge (5/16" Head Size)	14 Gauge (3/8" Head Size)
30	544.SHWGS12G.30	-
40	544.SHWGS12G.40	544.SHWGS14G.40
50	544.SHWGS12G.50	544.SHWGS14G.50
65	544.SHWGS12G.65	544.SHWGS14G.65
75	-	544.SHWGS14G.75
90	-	544.SHWGS14G.90
100	-	544.SHWGS14G.100



Formwork

Fillets

PVC Fillet

For forming chamfered corners to columns and beams. Chamferfix is a thick-walled extrusion of impact resistant PVC. Re-usable!



♦ Hollow Fillet



♦ Solid Fillet



♦ Hollow Nailing Flange



♦ Solid Nailing Flange

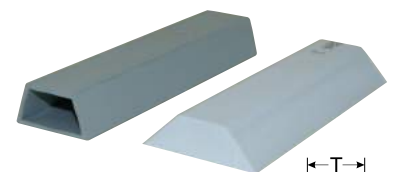


♦ Edgefix

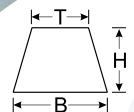
Type	Shape	Code	Name	Size 'A' (mm)	Size 'B' (mm)	Size 'C' (mm)	Length (M)	Pack (M)
Hollow		46FIL.PL.11H	11 H	11	15	-	2.5	100
		46FIL.PL.15H	15 H	15	21	-	2.5	100
		46FIL.PL.20H	20 H	20	28	-	2.5	100
		46FIL.PL.25H	25 H	25	35	-	2.5	100
		46FIL.PL.30H	30 H	30	42	-	2.5	50
Solid		46FIL.PL.12AC	AC12	12	17	-	2.5	100
		46FIL.PL.15AC	AC15	15	21	-	2.5	100
		46FIL.PL.18AC	AC18	18	25	-	2.5	100
		46FIL.PL.18AC3M	AC18	18	25	-	3.0	120
Hollow Nailing Flange		46FIL.PL.20N	20 N	20	28	40	2.5	100
		46FIL.PL.25N	25 N	25	35	50	2.5	100
		46FIL.PL.30N	30 N	30	42	55	2.5	50
Solid		46FIL.PL.06S	6 S	06	08	15	2.5	100
		46FIL.PL.11S	11 S	11	15	28	2.5	50
		46FIL.PL.15S	15 S	15	21	32	2.5	50
Edgefix		46FIL.PL.20R	Edgefix N20	20	38	1.8	2.5	100

Hollow & Solid Mock Joints For precast facade elements (Replaces expensive resin filler).

Code	Name	Feature	Size (mm)			Length (M)	Pack (M)
			'B'	'T'	'H'		
46MJ15	Trapezfix 15	Hollow	15	10	10	2.5	100
46MJ20	Trapezfix 20	Hollow	20	15	10	2.5	100
46MJ30	Trapezfix 30	Hollow	30	20	15	2.5	120
46MJ40	MJ 40	Solid	40	16	14	4.0	40
46MJ50	MJ 50	Solid	50	25	15	4.0	40



♦ We also make to order any size



Timber - Pine Fillet

Rough Sawn

Shape	Code	Name	Size (mm)		Length (M)	Pack (M)
			'A'	'B'		
	46FIL.TIM19	19 x 19 Pine	19	27	3.0	150



♦ Chamfer cutter is also available

Steel Fillet

Shape	Code	Name	Size (mm)		Length (M)
			'A'	'B'	
	46ST10-4	Steel Chamfer 10	10	14	4.05
	46ST12-4	Steel Chamfer 12	12	17	4.05
	46ST15-4	Steel Chamfer 15	15	21	4.05
	46ST20-4	Steel Chamfer 20	20	28	4.05
	46ST25-4	Steel Chamfer 25	25	36	4.05
	46ST30-4	Steel Chamfer 30	30	42	4.05
	46STES15-4	Steel Chamfer ES 15	15	21	4.05
	46STES20-4	Steel Chamfer ES 20	20	28	4.05

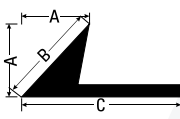


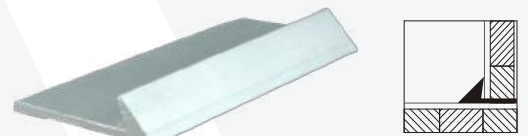
- ♦ Hot rolled steel chamfer, straightened and cut. For forming chamfered edges in precast concrete structures. Easily weldable
- ♦ ES Style can be welded from behind minimizing cleanup



- ♦ These Steel Profiles available upon special order

Aluminium Triangular Fillet Type-'5'

Shape	Code	Name	Size (mm)			Length (M)
			'A'	'B'	'C'	
	8ALU5.12-4	SP ATF 12	12	17	46	4.0
	8ALU5.15-4	SP ATF 15	15	21	45	4.0



Double Sided Tape, Fillet Accessories etc.

Code	Name	Size	Pack
46DSD62	Double Side 62mm Dots	62mm dia	1300
46DST15	Double Side Tape 15mm	15mm	46 LM
46DST17	Double Side Tape 17mm	17mm	46 LM
46DST37A	Double Side Tape 37mm	37mm	50 LM
46DST41.46	Double Side Tape 41 mm - Black	41 mm	46 LM
46SST17	Single Side Tape	17mm	46 LM
46SST17W	Single Side Tape	17mm	50 LM
46DSTREM	Tape Remover	350 gm	ea
46FIL.TIM.CUT	Fillet Cutters	-	ea



- ♦ Custom tape size are available on request

Custom Profiles & Engraving

Do you have a job involving extra deep recesses or patterns that just aren't standard??

ACTECH can help you by providing a custom mould/profile service. We can produce custom extrusion shapes and 3-Dimensional reliefs – even for small quantity runs. A sketch or computer file is all that is required to help you get the results you need!



Z-Bar & Fittings

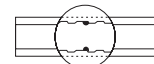
Steel Z-Bar

Code	Name	Length (mm)
5ZBAR1.2	Z-Bar 1.2 M Long	1200
5ZBAR1.5	Z-Bar 1.5 M Long	1500
5ZBAR3.0	Z-Bar 3.0 M Long	3000
5ZBAR5.8	Z-Bar 5.8 M Long	5800



Z-Bar Ferrule & Joiners

Code	Name	Pack (pc)
5096ZB.F.ZH	Z-Bar Hex Ferrule 96 mm Zinc	50
5096ZB.F.ZBF	Z-Bar Bigfoot Ferrule 96 mm Zinc	50
5ZBARNUT-100HZJ	Z-Bar Joiner	25



♦ Z-Bar Joiner - Joins 2 Bars

Z-Bar Weldable Nuts

Code	Name	Pack (pc)
5ZBARNUT-50HB	Z-Bar Nut 50 mm Hex Zinc	50
5ZBARNUT-100HB	Z-Bar Nut 100 mm Hex Zinc	50



NEW

Z-Bar Cast Nuts

Code	Name	Pack (pc)
5ZBARNUT-30HZ	Z-Bar Nut 30 mm Hex Zinc	50
5ZBARNUT-50HZ	Z-Bar Nut 50 mm Hex Zinc	50
5ZBARNUT-50HG	Z-Bar Nut 50 mm Hex Gal	50
5ZBARNUT-100HZ	Z-Bar Nut 100 mm Hex Zinc	50
5ZBARNUT-100HG	Z-Bar Nut 100 mm Hex Gal	50



Z-Bar Wing Nut

Code	Name	Pack (pc)
5ZBARWN-ZN	Z-bar Wing Nut - two arms	50
5ZBARWN-ZN1	Z-bar Wing Nut - one arm	50



Z-Bar Expansion Shell

Code	Name	Pack (pc)
5ZBAREXP.N.TY1	Z-Bar Expansion Shell	50



♦ Requires Ø32 mm hole

Z-Bar Flange Plate

Code	Name	Pack (pc)
5ZBARFP-ZC	Flange Plate – Zinc Cupped 120x120x8 mm	25



Z-Bar Water Barrier

Code	Name	Pack (pc)
5ZBARWB-LD	Water Barrier	50
5ZBARWB-SD	Water Barrier Small	50



♦ 5ZBARWB-LD

♦ 5ZBARWB-SD

Z-Bar Lifting Hook & Bolt

Code	Name	Pack (pc)
5ZBAR-LIFT	Z-Bar Lifting Hook	50
555G8HQB-55	Z-Bar Bolt Hex Head Gal – 55 mm Long	100
555G8HQB-60	Z-Bar Bolt Hex Head Gal – 60 mm Long	100



♦ Lifting Hook



♦ Z-Bar Bolt

Tielock

Fibre Reinforced Polymer Z-Bar

The TIELOCK FRP rebar was specially developed for formwork application. Its high corrosion resistance, high strength, cuttability and other features offer lots of benefits for all formwork applications.

TIELOCK FRP rebars are compatible with standard steel bars and can be applied with all related standard accessories. After use, FRP form work ties remain in concrete as one-way rebars. Costs for re-assembling, transport and storage are saved. Special parts like cone, conduit and waterstops are not necessary. Its corrosion resistance avoids rusty bleeding on concrete surfaces.

Benefits:

- ♦ High corrosion resistance
- ♦ Permanent application
- ♦ Cuttability
- ♦ Continuous threaded bar
- ♦ High tensile strength
- ♦ High end loading
- ♦ Fully compatible with standard Z-Bar fittings



- ♦ Works with your existing Z-Bar Fittings. No cones or conduit.

	H6016
Outer diameter (mm)	16
Ultimate load (kN)	130
Tensile Strength (N/mm ²)	1000
Torsion resistance (Nm)	50
Shear resistance (N/mm ²)	460
E-Modulus (GPa)	50
Strain at failure (%)	2,5
Weight (g/m)	360
Code	5FPH60-16
Breaking Load Thread (Steel Nut L=60 mm) (kN)	50

Conduit & Cones

Z-Bar Conduit

Code	Name	Shape	ID (mm)	OD (mm)	Length (M)	Pack (M)
412024-25	Thru Tie Sleeve 20/24	Smooth	20	24	2.5	25
412530-25	Thru Tie Sleeve 25/30	Smooth	25	30	2.5	25
412024-20R	Thru Tie Sleeve 20/24	Rough	20	24	2.0	100
412226-20R	Thru Tie Sleeve 22/26	Rough	22	26	2.0	100
412632-20R	Thru Tie Sleeve 26/32	Rough	26	36	2.0	50

♦ Other sizes are available for special applications



Why Choose ROUGH conduit?

Rough conduit grips to the concrete to minimize the effect of shrinkage or water flow around the conduit

Z-Bar Cones



Code	Name	For Sleeve Inner Ø (mm)	Cone Height (mm)	Pack (pc)
412024.SK20	SK 20	20	10	500
412226.SK22	SK 22	22	10	500
412630.SK26	SK 26	26	10	500
412226.SK22S	SK 22 Special	22	10	500
412226.SK22/50	SK 22/50	22	50	125
412024-M20	Cone M 20	20	27	500
412530-M25	Cone M 25	25	27	500

Compatibility Table

Conduit	Suitable Cones
412024-25	SK 20, Cone M 20
412024-30	SK 20, Cone M 20
412530-25	Cone M 25
412024-20R	SK 20, Cone M 20
412226-20R	SK 22, SK 22 Special, SK 22/50
412632-20R	SK 26

Plugs And Stoppers For Formwork

Code	Name	Type	Hole Size (mm)	Pack (pc)
421014	Stopper 14	Hollow	14	1000
421018	Stopper 18	Hollow	18	1000
421019	Formwork Repair Plug	Hollow	19	1000
421020S	Stopper 20	Solid	20	1000
421020	Stopper 20	Hollow	20	1000
421022S	Stopper 22	Solid	22	500
421022	Stopper 22	Hollow	22	1000
421026	Stopper 26	Hollow	26	500

Solid or Hollow



Aquafix

Rubber Plugs for sealing conduit prior to grouting

Code	Name	For Hole Size (mm)	Pack (pc)
422240	Aquafix 20	20	500
422242	Aquafix 22	22	500
422244	Aquafix 26	26	250
422246	Aquafix 32	32	250



♦ 422247 - Aquafix Fixing Tool

BeSealed Sealing Plug

Patented water swellable plug for a perfect seal of conduits

The Sealing Plug is a revolutionary solution for sealing structural conduits. Sealing Plugs comprise a water-swellaable rubber cap and solid core. The cap prevents water infiltrating the bar and the core provides a mechanical anchor under water pressures up to 6 bar.

This water-activated, self-expanding sealing solution guarantees a perfect seal, combating moisture infiltration with a single hammer blow!

Code	Name	Pack (pc)
412024.SP	Sealing Plug 20 mm	100
412226.SP	Sealing Plug 22 mm	100
412530.SP	Sealing Plug 25 mm	100



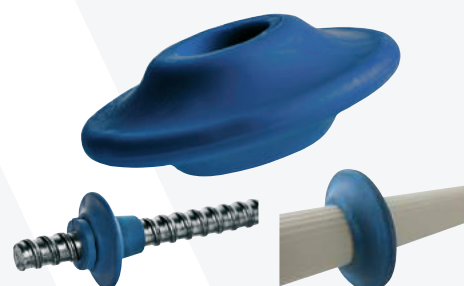
BeSealed Sealing UFO

Watertight sealing of concrete cracks around conduits

The Sealing UFO is the perfect solution for combating water infiltration around conduits and surrounding concrete. Sealing UFOs prevent water permeating through cracks in the concrete around conduits and Z-bars when used in conjunction with sealing connector below.

This innovative sealing system is 100% watertight, quick and easy to install, and available in a wide range of sizes.

Code	Name	Suits Conduit	Pack (pc)
5ZBAR.UFO	Sealing UFO 24 mm	22 mm ID	100
Works with Ø20, Ø22 and Ø25 mm ID conduit & Sealing Connector			



BeSealed Sealing Connector

Watertight sealing of tie rods

The Sealing Connector is the perfect solution for heavy-duty concrete structures where formwork tie bars remain in situ. The Sealing Connector is also made from synthetic, water-swellaable rubber that prevents moisture infiltration fully.

Wrap the connectors over the tie rod and anchor and hold in place using the Sealing UFO or Sealing Ring. Available in a wide range of sizes for use with existing standard tie bar sizes.

Code	Name	Pack (pc)
5ZBAR.UFOC	Sealing Connector 15 mm for UFO rubber ring	50
Other Z-bar diameters available on special request		



BeSealed Sealing Connector with Closing Strip

Watertight sealing of tie rods

The Sealing Connector with closing strip is the perfect solution for heavy-duty concrete structures where formwork tie bars remain in situ. The Sealing Connector is made from synthetic, water-swellaable rubber that prevents moisture infiltration fully. It is an all in one solution of the UFO and Sealing Connector but easier to apply.

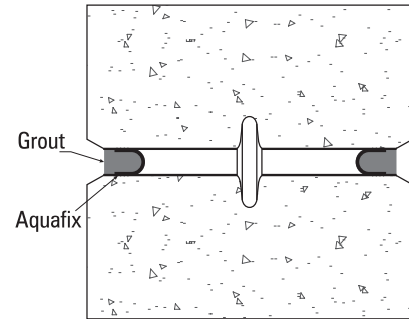
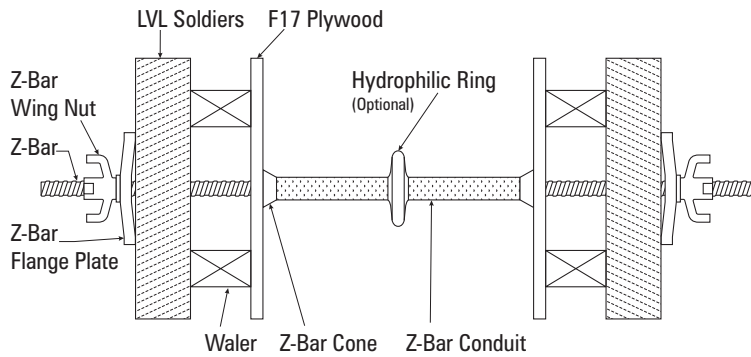
Wrap these Sealing Connectors over the tie rod and anchor using the closing strip. Fast and easy.

Code	Name	Pack (pc)
5ZBAR.UFSC	Z-Bar Connector 15 mm with closing strip	50

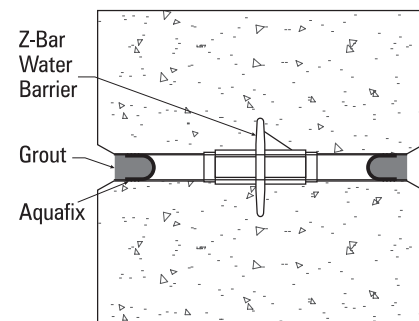
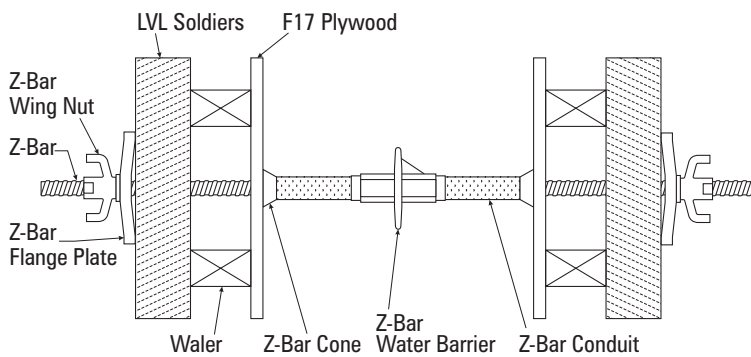


Formwork

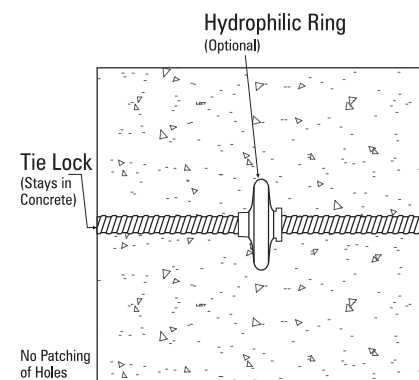
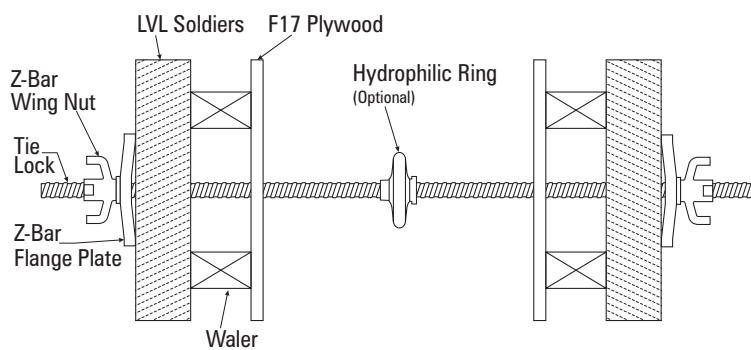
Without Water Barrier



With Water Barrier



Tie Lock (FRP Z-Bar)



Column Forms

PVC Column Forms

PVC Column Forms are the only economical forms that can be made to order in any diameter and lengths.

PVC columns are available in different wall thickness to suit larger diameters over 1200mm.

Product Features

- Lightweight, ease of handling
- Ease of stripping after column is formed
- Weatherproof, Robust construction; Durable against knocks, onsite conditions etc.

- 300 - 1800mm Diameter
- No length wastage with incremental sizing
- Architectural grade smooth finish columns available. Request a lined column when ordering
- Full technical support

Product Usage

- Formwork, bored piers, void forming, irrigation & drainage
- General above ground column pours.



Formatube

Formatube™ is a cardboard tube specifically designed to be used by builders to pour concrete columns above or below ground or can be used in ground to prevent soil collapsing when digging.

Formatube™ is a cost effective method and easy to use product which is designed to stand upright requiring minimal bracing when used as concrete formwork for inground or above ground columns.

The outer surface of the Formatube™ is impregnated with a plastic coating for water resistance. The inside is coated with an oil lining to prevent the concrete sticking to the tube and enables quick release.

Plastitube is a plastic liner insert fitted inside the cardboard Formatube to remove spiral marks on concrete and give a class 1 finish leaving a smooth surface on the concrete column which can be directly painted.

Code	Dia (mm)	Length (M)	Code	Dia (mm)	Length (M)
41F0150	150	4	41F0450	450	4
41F0200	200	4	41F0500	500	4
41F0250	250	4	41F0600	600	4
41F0250-3	250	3	41F0650	650	4
41F0300	300	4	41F0700	700	4
41F0300-3	300	3	41F0750	750	4
41F0350	350	4	41F0800	800	4
41F0350-3	350	3	41F0900	900	4
41F0400	400	4	41F1000	1000	4
41F0400-3	400	3			



Upright Props

Formwork Props - Standard

Code	Name	Length (M)		Safe working load (kN)	
		Fully closed	Fully open	Fully closed	Fully open
56PROP0.A	Prop No. 0	1.05	1.83	42.5	23.3
56PROP1.A	Prop No. 1	1.60	2.80	34.0	13.0
56PROP2.A	Prop No. 2	1.90	3.40	39.5	10.9
56PROP3.A	Prop No. 3	2.17	3.97	35.8	07.7
56PROP4.A	Prop No. 3	3.10	4.90	18.0	06.8

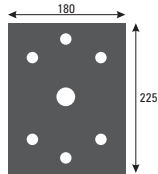


- Standard - HDG Finish

Formwork

Strongbacks

Manufactured from high quality steel, and provided in a galvanised finish. These strongbacks are lightweight and strong. They can be assembled together to form longer lengths as required.



♦ Standard section 180 x 225



Code	Name
4SB1260	Strong back 1260 mm long HDG
4SH1800	Strong back 1800 mm long HDG
4SB2160	Strong back 2160 mm long HDG
4SB2700	Strong back 2700 mm long HDG
4SB3600	Strong back 3600 mm long HDG

Early Propping Support



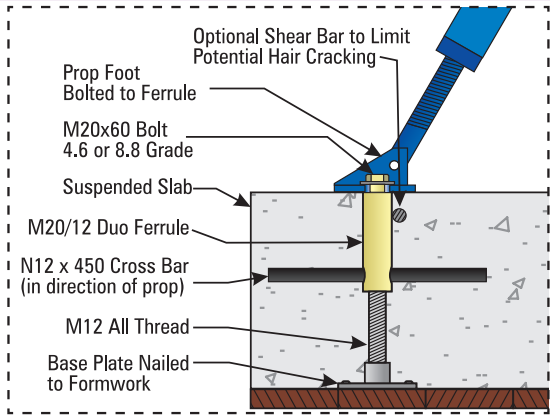
The Actech Early Propping Supports Provide a safe and cost effective way to prop panels in low strength concrete floors. Simply locate the correct propping position and secure the base to the formwork soffit. Cut M12 allthread to suit the finished height of the support.

Ferrule and Base

Code	Name	Pack (pc)
50962012.DEF.ZR	M20-M12 x 96 DEF Round Ferrule - Zinc	50
50962012.DEF.GR	M20-M12 x 96 DEF Round Ferrule - Gal	50
50962012.BASE.G	M20-M12 x 96 DEF Base - Gal	50
49SCRM12.HI	Early Propping Support Chair Base - High	50
49SCRM12.LO	Early Propping Support Chair Base - Low	50

♦ * 'Next Day Propping' is subject to concrete achieving minimum strength. See page 84 for more information

Next Day Propping*



Rebar Tying Machine



Call About
Pallet
Deals



♦ 81.GR.897

♦ 81.GR.1525



♦ RB398



♦ RB441



♦ RB518

MAX Rebar Tying Machine

Model	RB398	RB441 TWIN TIER	RB518
Weight	2.4 kgs	2.6 kg	2.4 kg
Dimensions	305 (H) x 105 (W) x 290mm (L)	390 (H) x 130 (W) x 390mm (L)	305 (H) x 105 (W) x 305mm (L)
Wraps Per Tie	3 wraps/tie	3 wraps/tie 3 or 4 wraps/tie	3 or 4 wraps/tie
Battery	Li-ion 14.4V	Li-ion 14.4V	Li-ion 14.4V
Ties Per Coil	Approx. 120 ties/coil	Approx. 150-265 ties/coil	Approx. 90 ties (3 wraps), Approx. 75 ties (4 wraps)
Ties Per Charge	Approx. ,2600 ties/charge	Approx. 4000 ties/charge	Approx. 2,400 ties (3 wraps) /charge, Approx. 2,200 ties (4 wraps) /charge
Rebar Size	10mm x 10mm up to 19mm x 16mm	10mm x 10mm up to 19mm x 16mm	16mm x 16mm up to 25mm x 22mm
Tie Wire (16Ga)	TW898A (Regular Steel wire) TW898A-PC (Polyester-Coated wire) TA898A-EG (Electro Galvanized wire)	TW1061T 30 coils (Regular Steel Wire) TW1061T-PC 30 coils (Polyester-Coated Wire) TW1061T-EG 30 coils (Electro-Galvanised Wire)	TW898A (Regular Steel wire) TW898A-PC (Polyester-Coated wire) TA898A-EG (Electro Galvanized wire)
Standard Equipment	Battery pack JPL914 (2pcs.) AC Battery charger JC928(CE) Carrying case / Belt hook	Battery pack JPL91440A (2pcs.) AC Battery charger JC928(CE) Carrying case / Belt hook	Battery pack JPL914 (2pcs.) AC Battery charger JC928(CE) Plastic carry case / Belt hook Instruction video and instruction manual DVD
Machine Code	77RB398	77RB441T	77RB518
Wire to Suit Code	81.GR.897	81.GR.441	81.GR.1525

Airco TRB4000 / XDL-40

XDL-40 Economy option- Made In China

- Brushless Technology
- Reduces Tying Time
- One Hand Operation
- Lightweight and easy to use

Machine

Max Tie Dia (mm)	25
Tie Time (sec.)	0.8
Battery	18 Volt 3 Amp Li-ion
Weight (kg)	2.2
Turns Per Tie	2 turns/ 3 turns
Ties Per Coil	Approx. 220
Ties Per Charge	3,700 ties x 2 3,550 ties x 3
Code	77XDL40

Wire

Box Qty	50
Pack Qty	10
Coil Length (M)	100
Wire Dia (mm)	0.8
Code	81.GR.XDL40.G

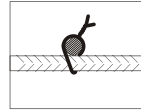


Tie Wire, Reinforcement Ties & Tying Tools

Belt Pack Tying Wire

♦ Black, HDG or SS

Code	Name	Material /Finish	Pack (Rolls)
81.BP.304	1.4 mm 304 SS wire	SS 304	10
81.BP.BL	Tie Wire 1.57 mm	Light Oil Coating	10
81.BP.BL4	Tie Wire 1.4 mm	Light Oil Coating	10
81.BP.GA	Tie Wire 1.57 mm Gal	Gal	10



♦ Black



♦ Gal



♦ SS 304

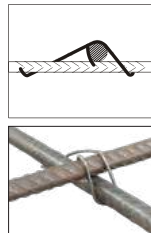
Call for pallet rates on Black Tie Wire

Bindefix

Makes everyone a steel fixer



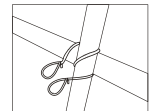
♦ Other sizes available on request



Code	Name	Dia (mm)		Pack (pc.)
		Bar 1	Bar 2	
81.BIND.1212	Bindefix 12/12	12	12	5,000
81.BIND.121416	Bindefix 12/14-16	12	14-16	5,000
81.BIND.1616	Bindefix 16/16	16	16	5,000
81.BIND.1625	Bindefix 16/25	16	25	5,000
81.BIND.1632	Bindefix 16/32	16	32	5,000

Double Loop Tie

♦ Black or HDG



Code	Name	Length (mm)	Pack (pc.)
81.LT-110	Black Loop Tie - 110	110	2000
81.LT-125	Black Loop Tie - 125	125	2000
81.LT-150	Black Loop Tie - 150	150	2000
81.LT-200	Black Loop Tie - 200	200	2000
81.LT-250	Black Loop Tie - 250	250	2000
81.LT-300	Black Loop Tie - 300	300	2000
81.LT-350	Black Loop Tie - 350	350	2000

Klein Reels And Belts



Code	Name
81.KR.A	Tie Wire Reel - Aluminium IDEAL Brand
81.KR.AG	Tie Wire Reel - Aluminium Generic
81.KR.P	Tie Wire Reel - Plastic Generic
81.KR.B	Tie Wire Reel Belt

Nippers

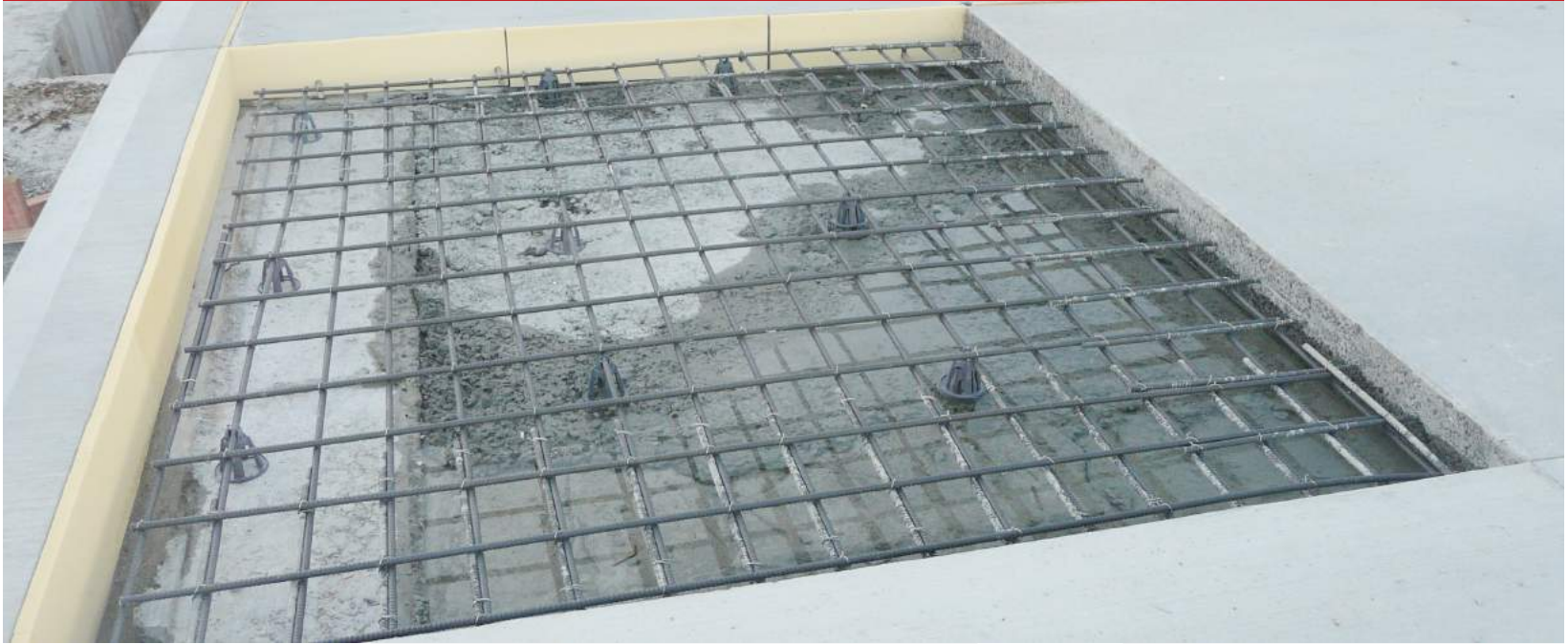


Code	Name
81.NI.CR.200	Crescent Nippers-200mm 8"
81.NI.CR.230	Crescent Nippers-230mm 9"
81.NI.KN.200	Knipex End Cutting Nipper 200mm long
81.NI.RS.200	Ransom End Cutting Nipper 200mm long
81.NI.RS.280	Ransom End Cutting Nipper 280mm long
81.NI.HOLDER	Primax End Cutting Nipper Holder

Loop Tie Tool

Code	Name
81TIWI.SCHTWIST	Master Finish Schroder Spiral Wire Twister
81TIWI.PL	Marco Pesaro CWT Wire Twister



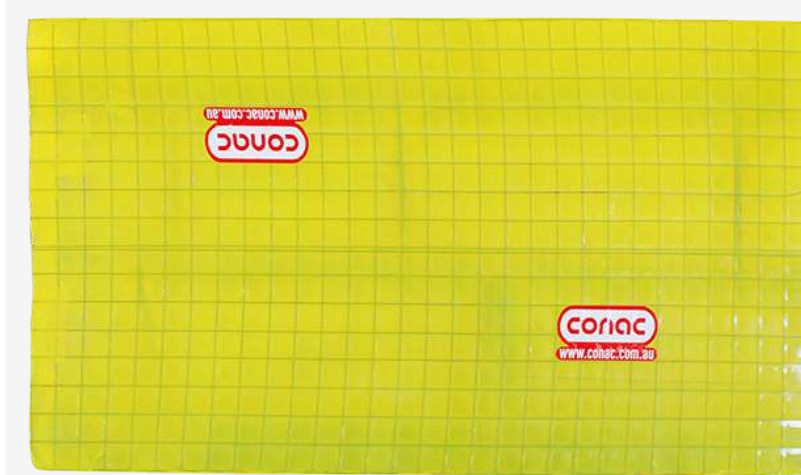


Conaform	Sacrificial formwork for sand/poor ground conditions	52
Slab Underlay - Builder's Film	Black & Orange Builder's Film	53
Super Rib	Permanent formwork for continuous joints	53
Expansion Joints	Foam Joint for Slabs - 10 mm, Foam Joint for Slabs - 20 mm, Standard, Adhesive, Self Sticking, Bitumen Impregnated Caneite	54
Slab on Ground Chairs	Combo, SOG, Trench Mesh Support, Spider Metal Bar Chairs, Pizza Plates	55
FRP - Fibre Reinforced Polymer Reinforcement	Rebar P60, S60 & Powermesh	56
Steel Reinforcement	Starter Bars, Reinforcing Bars, Tie Bars	57
Dowel Sleeves & Dowels	Standard Round Dowel Sleeve,	57
Waterstops For Construction Joints	BeSealed Bentobar+, BeSealed Polybar+, BeSealed Fixing Glue, BeSealed Swellable Paste, BeSealed Sealing Plug, BeSealed Sealing UFO, BeSealed Sealing Connector, BeSealed Sealing Connector with Closing Strip, MasterSeal 910, Hydrotite Waterstops, Leakmaster, PVC Waterstops	58

Slabs & Joints

Conaform *Sacrificial formwork for sand/poor ground conditions*

Conaform is a formwork material made from a flat steel wire mesh, with a "yellow" heat-shrunk layer of polyethylene applied to both sides of the mesh.



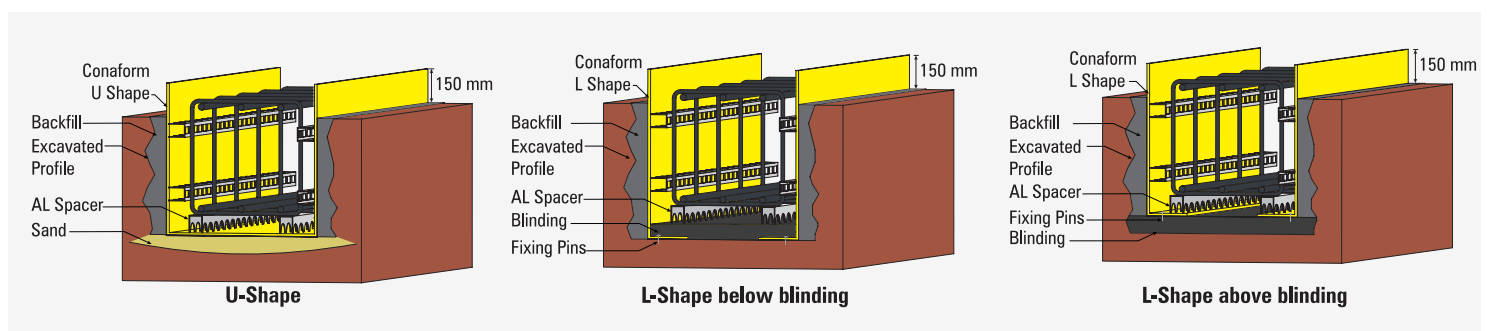
Advantages:

- ♦ Easy to handle on site using non-specialist labour – reduces construction costs
- ♦ No lifting equipment is required because Conaform is light and flexible
- ♦ Back fill can be completed before concrete is poured, minimizing safety risks on site
- ♦ No need to strip formwork after concrete has been cured
- ♦ Quick assembly. No hammer, nails or saws – only tie-wire is needed
- ♦ Formwork can be pre-formed at factory into virtually any module size/shape required and arrives at site ready for installation
- ♦ Supplied as flat sheets – can be cut and fabricated on site, as required
- ♦ Versatile – perfect for difficult radius applications
- ♦ Lost formwork – no need to excavate a large working space and then refill it later on
- ♦ No need to clean or to return the formwork
- ♦ Non-polluting, non-toxic, and recyclable

Applications:

The strength and versatility of Conaform make it particularly useful for the following applications.

- ♦ Ground beams
- ♦ Footing and bases
- ♦ Pile caps
- ♦ Construction joints (stop ends)
- ♦ Special shapes or curves
- ♦ Void formation
- ♦ Ribbed and Waffle slabs
- ♦ Penetrations
- ♦ Recesses
- ♦ Temporary fencing
- ♦ Safety screens
- ♦ Many other unlimited applications

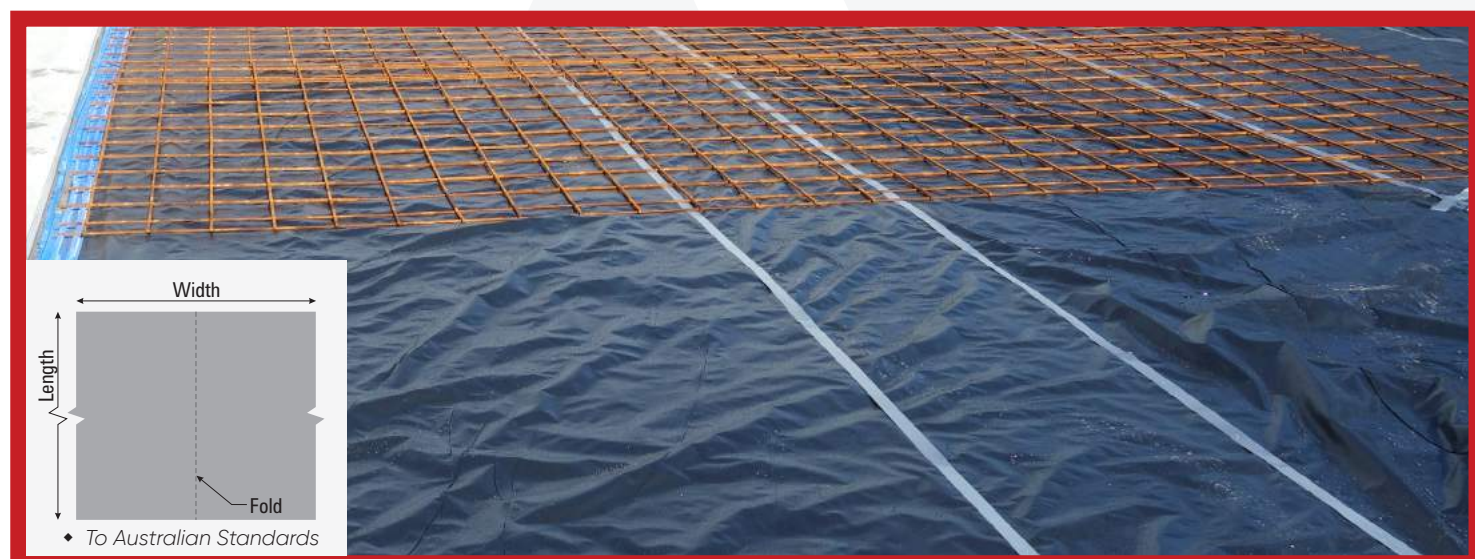


Available Sizes

Code	Width (mm)	Height (mm)	Pack (sheets)	Wt./Sheet (kg)
4LECOF.06.2250	2250	600	10	3.98
4LECOF.09.2250	2250	900	10	5.97
4LECOF.12.2250	2250	1200	10	7.97
4LECOF.15.2250	2250	1500	10	9.96
4LECOF.18.2250	2250	1800	10	11.95

Slab Underlay - Builder's Film

Black & Orange Builder's Film



Code	Colour	Width (M)	Thickness (μm)	Length (M)
8BF4050	Black	4.0	200	50.0
8BF5040	Black	5.0	200	40.0
8OF4050-2	Orange	4.0	200	50.0
8OF4025-3	Orange	4.0	300	25.0

Super Rib

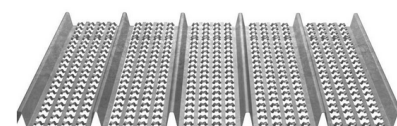
Super Rib is a machine made unique mesh galvanised steel sheet stiffened by roll-formed ribs, that retains poured concrete and provides a perfect bond and shear key to the follow-on pour similar to a fully scabbled joint.

Super Rib becomes a permanent formwork thus there is no stripping required or preparation of the joint surface for the next pour.

Advantages

- ♦ Provides a high degree of control over the quality of an interfacing scabbled joint
- ♦ Faster and easier to use than timber formwork and chemical retarding agents used on concrete to create interlocking surfaces
- ♦ Can be installed before reinforcement with bars pushed through the mesh at a later stage
- ♦ Material is easy to cut, bend and shape into and around difficult profiles such as toggle joints
- ♦ Can be used vertically or horizontally, and curved for such applications as water retaining structures
- ♦ Enables pour to be visually monitored, thus reducing risk of voids or honey combing within concrete
- ♦ No need to clean, reface or oil as would happen with traditional timber formwork

Code	Width (mm)	Length (mm)	Thickness (mm)	Pack (sheets)	Wt./sheet (kg)
5M.SUPER2811	445	2500	0.40	50	3.39



Slabs & Joints

Expansion Joints



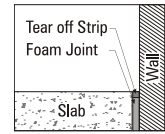
♦ Standard - 10 mm



♦ Adhesive - 10 mm



♦ Self Sticking - 10 mm



♦ With 10 mm tear-off strip

Foam Joint for Slabs - 10 mm

Height (mm)	Rolls				Stiff Sheets		
	Standard	Adhesive	Self Sticking	Length (M)	Standard	Adhesive	Length (M)
50	8FJ1025.050	8FJ1025.A050	8FJ1025.S050	25	8FJS10.050	8FJS10.A050	2.4
75	8FJ1025.075	8FJ1025.A075	8FJ1025.S075	25	8FJS10.075	8FJS10.A075	2.4
100	8FJ1025.100	8FJ1025.A100	8FJ1025.S100	25	8FJS10.100	8FJS10.A100	2.4
125	8FJ1025.125	8FJ1025.A125	8FJ1025.S125	25	8FJS10.125	8FJS10.A125	2.4
150	8FJ1025.150	8FJ1025.A150	8FJ1025.S150	25	8FJS10.125	8FJS10.A125	2.4
175	8FJ1025.175	8FJ1025.A175	8FJ1025.S175	25	8FJS10.175	8FJS10.A175	2.4
200	8FJ1025.200	8FJ1025.A200	8FJ1025.S200	25	8FJS10.200	8FJS10.A200	2.4
250	8FJ1025.250	8FJ1025.A250	8FJ1025.S250	25	8FJS10.250	8FJS10.A250	2.4
300	8FJ1025.300	8FJ1025.A300	8FJ1025.S300	25	8FJS10.300	8FJS10.A300	2.4

Foam Joint for Slabs - 20 mm (special order)

Height (mm)	Rolls			Stiff Sheets		
	Standard	Adhesive	Length (M)	Standard	Adhesive	Length (M)
50	8FJ2015.050	8FJ2015.A050	15	8FJS20.050	8FJS20.A050	2.4
75	8FJ2015.075	8FJ2015.A075	15	8FJS20.075	8FJS20.A075	2.4
100	8FJ2015.100	8FJ2015.A100	15	8FJS20.100	8FJS20.A100	2.4
125	8FJ2015.125	8FJ2015.A125	15	8FJS20.125	8FJS20.A125	2.4
150	8FJ2015.150	8FJ2015.A150	15	8FJS20.150	8FJS20.A150	2.4
175	8FJ2015.175	8FJ2015.A175	15	8FJS20.175	8FJS20.A175	2.4
200	8FJ2015.200	8FJ2015.A200	15	8FJS20.200	8FJS20.A200	2.4
250	8FJ2015.250	8FJ2015.A250	15	8FJS20.250	8FJS20.A250	2.4
300	8FJ2015.300	8FJ2015.A300	15	8FJS20.300	8FJS20.A300	2.4
1000	-	-	-	8FJS20.1000	8FJS20.A1000	2.4

Bitumen Impregnated Caneite

Code	Name	Size (mm)	Pack (pc)
8BIC2406	Bitumen Impregnated Caneite Sheet 60	60 x 2440	20
8BIC2407	Bitumen Impregnated Caneite Sheet 75	75 x 2440	20
8BIC2410	Bitumen Impregnated Caneite Sheet 100	100 x 2440	20
8BIC2412	Bitumen Impregnated Caneite Sheet 125	125 x 2440	10
8BIC2415	Bitumen Impregnated Caneite Sheet 150	150 x 2440	10
8BIC2420	Bitumen Impregnated Caneite Sheet 200	200 x 2440	10
8BIC2425	Bitumen Impregnated Caneite Sheet 250	250 x 2440	10
8BIC2430	Bitumen Impregnated Caneite Sheet 300	300 x 2440	10
8BIC2485	Bitumen Impregnated Caneite Sheet 850	850 x 2440	ea

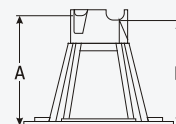


♦ All Sheets 8.5 mm thick

Slab on Ground Chairs

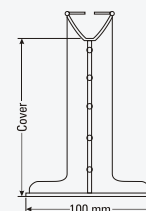
Combo

Code	Name	Cover (mm)		Pack (pc)
		A	B	
311001	Combo 25/40	25	40	100
311005	Combo 50/65	50	65	100
311006	Combo 50/65C	50	65	100
311010	Combo 75/90	75	90	100
311015	Combo 85/100	85	100	100



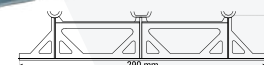
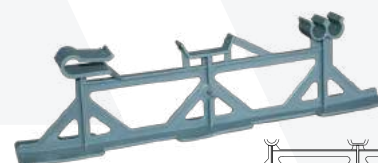
SOG

Code	Name	Cover (mm)	Pack (pc)
311095	SOG 95C	95	100
311100	SOG 100C	100	100
311110	SOG 110C	110	100
311120	SOG 120C	120	100
311130	SOG 130C	130	100
311140	SOG 140C	140	100
311150	SOG 150C	150	100



Trench Mesh Support

Code	Name	Cover (mm)	Pack (pc)
311020	Trench Mesh Support	60	25



Spider Metal Bar Chairs

Code	Height (mm)	Pack (pc)	Code	Height (mm)	Pack (pc)
339020	20	100	339120	120	50
339025	25	100	339130	130	50
339030	30	100	339140	140	50
339040	40	100	339150	150	50
339050	50	100	339160	160	50
339065	65	100	339170	170	50
339075	75	100	339180	180	25
339080	80	100	339190	190	25
339090	90	100	339200	200	25
339100	100	100	339210	210	25
339110	110	50	339220	220	25



♦ Plastic Tip

♦ Sizes 230, 240, 250, 260, 270, 280, 290, 300 & 400 available on special order.

Pizza Plates

To be used with Spider Metal Bar Chairs

Code	Name	Dia (mm)	Pack (pc)
339001	Pizza Plate 154	154	100
339002	Pizza Plate 224	224	50



Slabs & Joints

FRP – Fibre Reinforced Polymer Reinforcement

Rebar P60 & S60

Replaces Stainless or HDG Reo



♦ FRP rebar used in iconic Merewether Ocean Baths upgrade

The FRP rebar has a high ultimate load and due to its profile it offers a maximum bondage with the concrete. The benefits compared to steel can be summarized as following:

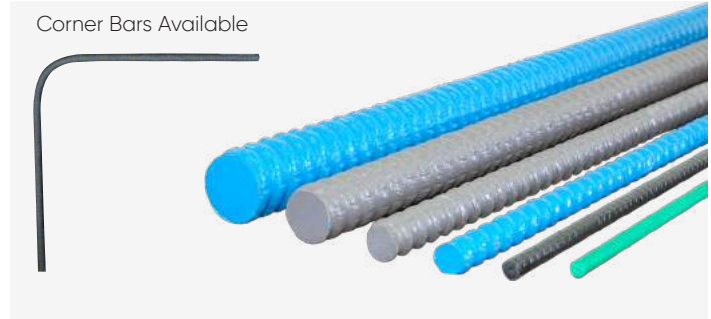
- ♦ High corrosion resistance
- ♦ Due to its high corrosion resistance FRP reinforcement bars are well suited in architecturally demanded slim walls, such as cladding – min. 3mm concrete cover can be applied.
- ♦ Low thermal conductivity – beneficial for insulation

Nominal Ødia (mm)	Tensile stress area (mm ²)	Tensile strength (N/mm ²)	Ultimate load (kN)	Tensile E-Modulus (GPa)		Unit weight (kg/m')	Shear Capacity (kN) DIN 21521
				P60 (permanent)	S60 (temporary)		
6	28	1,000	28.3	60	50	0.09	12.9
8	50	1,000	50.3	60	50	0.14	23.0
10	79	1,000	78.5	60	50	0.19	36.3
12	113	1,000	113.1	60	50	0.29	52.0
16	201	1,000	201.1	60	50	0.50	92.5
20	314	1,000	314.2	60	50	0.77	144.4
22	380	1,000	380.1	60	50	0.82	174.8
25	491	1,000	490.9	60	50	1.29	225.9
28	616	900	554.4	60	50	1.45	264.9
32	804	900	723.6	60	50	2.09	337.7
38	1134	850	963.9	60	50	2.90	453.6
40	1257	800	1,005.6	60	50	3.17	502.8
45	1590	800	1,272.0	60	50	4.10	636.0

Powermesh

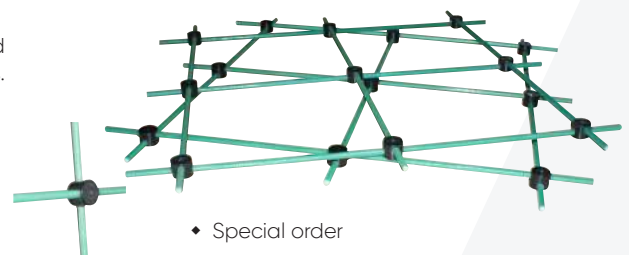
The FRP-POWERMESH was developed according to standard grid applications. The high load capacity at each jointing – comparable to welded steel mesh – is unique and makes the design of FRP mesh reinforced RC-structures easy for engineers or architects.

Ultimate Strength (N/mm ²)	> 1'000
E-Modulus (MPa)	50,000
Joint-force (kN)	3 – 5
Material	Glassfibre



	Rebar 60	Steel
Specific weight (kg/dm ³)	2.2	7.8
Tensile strength (N/mm ²)	1,000	600
E-Modulus (N/mm ²)	40,000–60,000	207,000
Ultimate strain (%)	2.5 – 3.5	> 10
Diameter (mm)	6 – 8 – 10...36 – 40	

- ♦ Threaded surface – excellent bonding with concrete
- ♦ High tensile strength
- ♦ Its high tensile strength makes it possible to achieve strength requirements with reinforcement bars of smaller diameter.
- ♦ Low weight – 1/4 of steel
- ♦ Permanent application
- ♦ Special order



♦ Special order

Steel Reinforcement

Starter Bars

Code	Bar Grade	Threaded	Bar Dia (mm)	Length L (mm)	Length L1 (mm)	Length L2 (mm)
5THRB12-60N	500N	Both ends	12	600	50	15
5THRB12-80N	500N	Both ends	12	800	50	15
5THRB16-60N	500N	Both ends	16	600	50	15
5THRB16-80N	500N	Both ends	16	800	50	15
5THRB16-99N	500N	Both ends	16	1000	50	15
5THRB20-60N	500N	Both ends	20	600	50	15
5THRB20-80N	500N	Both ends	20	800	50	15
5THRB20-99N	500N	Both ends	20	1000	50	15
5THRB24-80N	500N	Both ends	24	800	50	15
5THRB24-99N	500N	Both ends	24	1000	50	15
5THRB12-20N	500N	One end	12	200	50	NA
5THRB16-20N	500N	One end	16	200	50	NA
5THRB20-20N	500N	One end	16	200	50	NA
5THRB12-20S	500S	One end	12	200	50	NA
5THRB16-20S	500S	One end	16	200	50	NA
5THRB20-20S	500S	One end	20	200	50	NA



- ♦ We can also custom manufacture
- ♦ 2 threads allow you to install bars faster as you can use a rattle gun.
- ♦ Grout sleeves and alligator connection system also available.

Socket Threaded Bars

Code	Bar Grade	Bar Dia (mm)	Length L (mm)	Thread Length (L1) (mm)	Socket Diam (mm)
5THRBS12-60N	500N	12	600	50	10
5THRBS12-80N	500N	12	800	50	10
5THRBS16-60N	500N	16	600	50	13
5THRBS16-80N	500N	16	800	50	13
5THRBS16-99N	500N	16	1000	50	13
5THRBS20-60N	500N	20	600	50	17
5THRBS20-80N	500N	20	800	50	17
5THRBS20-99N	500N	20	1000	50	17



Tie Bars

Can screw into TB Ferrules

Code	Description	Bar Dia	Length (mm)
5MTB12-054	TB12 Tie Bar - 540 mm long	TB12	540
5MTB16-066	TB16 Tie Bar - 660 mm long	TB16	660
5MTB20-850	TB20 Tie Bar - 850 mm long	TB20	850



Dowel Sleeves & Dowels

Standard Round Dowel Sleeve

Code	Bar Dia (mm)	Insertion Depth (mm)	Dowel Bar Length (mm)	Pack (pc)
47DOWEL20.260	20	120	260	25
47DOWEL20.500	20	240	500	25
47DOWEL25.320	25	150	320	25
47DOWEL25.500	25	240	500	25



- ♦ Standard Dowel Sleeve

Waterstops For Construction Joints

BeSealed Bentobar+

Bentonite waterstop for sealing construction joints

Bentonite waterstops are invaluable to the concrete and construction industries, providing an efficient means for sealing construction joints. Bentobar+ has been sold in Europe for the last twenty-five years. It's well known for its stability and durability.

Even after repeated wet-dry cycles, Bentobar+ maintains a perfect seal thanks to its high rubber content. Bentobar+ is also far less susceptible to washing out than traditional bentonite seals. In seawater (saline concentrations up to 3%) and contaminated water use Bentobar+ Salt

Code	Name	Roll (M)	Pack
8HBB010	Bentobar+ 20 x 10mm	10	5 Rolls
8HBB020	Bentobar+ 20 x 25mm	5	6 Rolls
8HBB110	Bentobar+ Salt 20 x 25mm	10	5 Rolls
8HBB120	Bentobar+ Salt 20 x 10mm	5	6 Rolls



♦ Bentobar+



♦ Bentobar+ Salt

BeSealed Polybar+

Revolutionary waterstop for sealing construction joints

Polybar+ waterstops are a revolutionary alternative to bentonite waterstops thanks to its impressive expansion capacity.

Polybar+ also remains stable even after repeated wet-dry cycles. It is also resistant to scouring and extremely easy to use thanks to its light weight and high elasticity.

Polybar+ comes in 4 variants:

Polybar+ Standard: Revolutionary waterstop for sealing construction joints. Alternative to bentonite waterstops with upto 400% expansion.

Polybar+ Salt: The salt water variant of the standard Polybar+ waterstop. This hydrophilic waterstop is perfect for application in seawater (saline concentrations up to 3%) and contaminated water.

Polybar+ Superswell: Hydrophilic waterstop for extremely high salt concentrations. This lightweight Polybar+ waterstop with high expansion volume has been developed for extremely high saline concentrations up to 10% and is ideal for waters and areas with extremely high saline concentrations.

Polybar+ RP: Designed for sealing in wet or rainy conditions. This hydrophilic waterstop has a delayed swelling in rain water that is 4 times slower than the Polybar+ Standard waterstop (For tropical areas).



♦ Polybar+ Standard



♦ Polybar+ Salt



♦ Polybar+ Superswell



♦ Polybar+ RP

Size	Polybar+				Roll (LM)	Pack (Lengths)
	Standard	Salt	Superswell	Rainwater		
20 x 5	8HBP005	8HBP105	8HBP205	8HBP305	10	5
20 x 10	8HBP010	8HBP110	8HBP210	-	10	9
20 x 20	8HBP020	8HBP120	8HBP220	-	5	9
20 x 30	8HBP030	8HBP130	8HBP230	-	5	4
30 x 30	8HBP040	8HBP140	8HBP240	-	5	3
50 x 5	8HBP050	8HBP150	8HBP250	-	15	4
100 x 5	8HBP060	8HBP160	8HBP260	-	15	2

*Standard in stock, but others are by Special Order

BeSealed Fixing Glue

Fast and strong fixation of hydrophilic profiles to concrete

BeSealed Fixing Glue ensures fast and strong fixation of hydrophilic profiles to concrete. Moreover, BeSealed Fixing Glue has excellent adhesion strength, even on wet concrete surfaces. The fast skin formation and curing allows concrete casting after a few hours. BeSealed Fixing Glue is completely weather resistant.

The BeSealed all-season Fixing Glue can be applied for both Polybar+ and Bentobar+.

Chemical Resistance

- ♦ Good: against water, aliphatic solvents, oils, fat, watered inorganic acids and alkalis
- ♦ Moderate: against esters, ketone and aromatics.
- ♦ Not resistant: against concentrated acids and chlorinated hydrocarbons.
- ♦ Completely weather resistant



♦ Code: 8HBP.FG

BeSealed Swellable Paste

Expands up to 450% upon contact with water

BeSealed Swellable Paste is a high quality, one component polyurethane adhesive which swells in contact with water. Upon contact with water, the paste can **expand up to 450%** of its original volume.

BeSealed Swellable Paste can be applied for sealing and adhesion of both Polybar+ and Bentobar+. It also can be used to seal openings in the concrete such as between a pipe and outlet in concrete.

After application of the paste, the water swellable sealing bar needs to be pressed down, to ensure full contact with the paste underneath and to achieve optimal adhesion.



♦ Code: 8HBP.SW

BeSealed Sealing Plug

Patented water swellable plug for a perfect seal conduits

The Sealing Plug is a revolutionary solution for sealing structural conduits. Sealing Plugs comprise a water-swellable rubber cap and solid core. The cap prevents water infiltrating the bar and the core provides a mechanical anchor under water pressures up to 6 bar.

This water-activated, self-expanding sealing solution guarantees a perfect seal, combating moisture infiltration with a single hammer blow!

Code	Name	Pack (pc)
412024.SP	Sealing Plug 20 mm	100
412226.SP	Sealing Plug 22 mm	100
412530.SP	Sealing Plug 25 mm	100



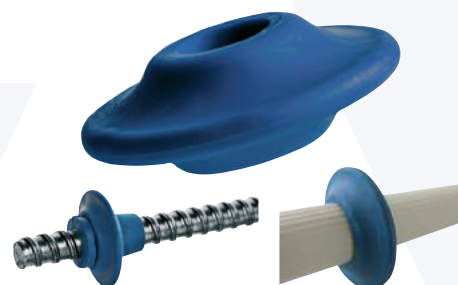
BeSealed Sealing UFO

Watertight sealing of concrete cracks around conduits

The Sealing UFO is the perfect solution for combating water infiltration around conduits and surrounding concrete. Sealing UFOs prevent water permeating through cracks in the concrete around conduits and Z-bars when used in conjunction with sealing connector below.

This innovative sealing system is 100% watertight, quick and easy to install, and available in a wide range of sizes.

Code	Name	Suits Conduit	Pack (pc)
5ZBAR.UFO	Sealing UFO 24 mm	22 mm ID	100
Works with Ø20, Ø22 and Ø25 mm ID conduit & Sealing Connector			



BeSealed Sealing Connector

Watertight sealing of tie rods

The Sealing Connector is the perfect solution for heavy-duty concrete structures where formwork tie bars remain in situ. The Sealing Connector is also made from synthetic, water-swellable rubber that prevents moisture infiltration fully.

Wrap the connectors over the tie rod and anchor and hold in place using the Sealing UFO or Sealing Ring. Available in a wide range of sizes for use with existing standard tie bar sizes.

Code	Name	Pack (pc)
5ZBAR.UFOC	Sealing Connector 15 mm for UFO rubber ring	50
Other Z-bar diameters available on special request		



Slabs & Joints

BeSealed Sealing Connector with Closing Strip

Watertight sealing of tie rods

The Sealing Connector with closing strip is the perfect solution for heavy-duty concrete structures where formwork tie bars remain in situ. The Sealing Connector is made from synthetic, water-swellaable rubber that prevents moisture infiltration fully. It is an all in one solution of the UFO and Sealing Connector but easier to apply.

Wrap these Sealing Connectors over the tie rod and anchor using the closing strip. Fast and easy.

Code	Name	Pack (pc)
5ZBAR.UFSC	Z-Bar Connector 15 mm with closing strip	50



Hydrotite® Waterstops

Hydrotite is a state-of-the-art hydrophilic waterstop with unmatched durability and water sealing capacity. Comprised of Non-Bentonite, modified chloroprene rubber, Hydrotite expands from its original volume when exposed to water. This expansion creates an effective compression seal within joints of limited movement.

Recognized worldwide, Hydrotite has a proven track record as a high quality and cost effective solution to your water containment needs.

Code	Name	Pack (M)
8HYDRO.1020-2K-ADH	Hydrotite 1020-2K-ADH	10.0
8HYDRO.HT0220	Hydrotite DSS 02*-20ADH	25.0
8HYDRO.HT2K	Hydrotite CJ10725-3KADH -7x25mm	10.0
8HYDRO.HT3K	Hydrotite CJ10725 -3KADH	10.0



♦ CJ10725-3K



♦ CJ1020-2K



♦ DSS-0220

Leakmaster

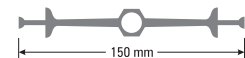
Leakmaster LV-1 is a single component water-swelling sealant with excellent and unique properties. Leakmaster may be applied in locations where conventional solid sealants cannot be easily applied. This includes irregular shaped joints, rough surfaces, odd penetrations, etc. After curing, Leakmaster has excellent physical properties. The rubber-like elasticity of the material and expansion characteristics create an effective watertight seal.



♦ 8HYDRO.LM

PVC Waterstops

Code	Name	Length (mm)	Pack (M)
472001	Centre Stop CB 150	150 mm	20
472002	Centre Stop CB 250	250 mm	20
472011	Rear Guard RGX 200	200 mm	15
472012	Rear Guard RGX 250	250 mm	15
472015	Rear Guard RGW 250	250 mm	15



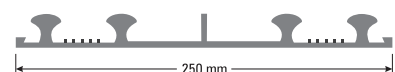
♦ CB



♦ CB



♦ RGX



♦ RGW

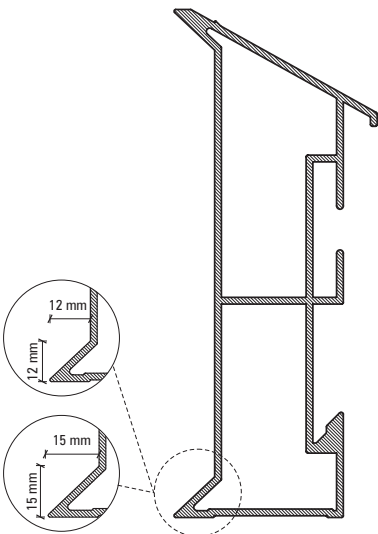
Panel & Connections

KlipForm Aluminium Formwork System	KlipForm 'A' Aluminium Formwork, Powder Coated Aluminium Formwork, Aluminium Section Type-4, Corner Brackets - Standard & Powder Coated, Formwork Joiner, Aluminium Section Type-5	62
KlipForm Polyform Formwork System	12 & 15mm Chamfer, Smooth profiles	66
Climbing Formwork System & Commonform	Tiltup Climbing Formwork System Using Aluminium Section, Brackets for Climbing Formwork System, Commonform	66
Kling-On Formwork Magnets	Kling-On Switch II+ Magnet, Adaptor Plates for Switch II Magnet, Kling-On Block Magnet, Kling-On Mini Block Magnet, Kling-On Driver Magnet, Ferrule Locator Magnets, Blockout Magnets, Magnet Attachment Wedge	68
Cast-In Plates	Type A with M20 Ferrule & Type B without Ferrule, Custom Cast-In Plates, Type C (Floor Connection), Distafix, Cast-In Plate Chair, Cast-In Plates Recess Formers -Reusable, Cast-In Plates Components, Corner Joining Plate, Flat Joining Plate / Stitch Plates, Column Clip Plate, Fasteners for Cast-In Plates	70
Cast-In Channels	Cast In Channel Profiles, T-Bolts, Special Channels	77
Grout Tube & Accessories	Spiral Metal Former Tube, Oval Metal Former Tube, Plastic Pipe- DWV, Grout Tube Chair, 45° Grout Tube Elbows, New Spiral Tube Locators, HDPE Spiral Tube Locators - Standard & Magnetic, Grout Tube Accessories, Grout Donut	78
Precast Push-Pull Props & Accessories	Push Pull Props, Push Pull Prop Feet, Prop Pins and Lock, Early Propping Support, Bugger Plate - 5T Capacity, Pry Bar	83
Threaded Rebar, Rebox & Fasteners	Threaded Rebar Screwed One End & Both Ends, Rebox Rebating System, Heavy Duty Panel Brace Anchor, Drop-in Anchors, Bolts, Hex Nuts, Washers, All Thread, Rod Cutters	84
Crack Repair Adhesives	Rockite, MasterEmaco 2525, Pure Epoxy Injection Adhesive, Bis-P Fast Cure Styrene Free Polyester Injection Adhesive	87
Floor Levellers	MasterTop 510, MasterTop 1600, Tru Level Econo Pro, Tru Level Bulk Fill, Tru Level Tuff Top	88
Construction Grout	MasterFlow 700, Master Flow 810, Penaflo Panel Grout, Penatech GP Grout	89
Patch Repair	MasterEmaco N 5100, MasterEmaco N 102 CI, MasterEmaco S 5400 CI, High Build Repair Mortar, Penapatch Panel LW, Fairing Coat Mortar, Fastset C	90
Caulking Products	BOSTIK Fireban Firecaulk, BOSTIK Fireban One, BOSTIK Seal N Flex FC, BOSTIK Seal Flex 1, FulaFlex 550 PU LM, Foam Filler, Sausage Guns, Silicon.	92
Backing Rod	Round Backing Rod, Square Backing Rod - Open Cell, EPDM Rubber	93
Insulated Sandwich Panel Systems	HK Composite Panel Ties, HK Ties for Horizontal Panels, HK Ties for Vertical/Insitu Panels	94

Panels & Connections

KlipForm Formwork System

KlipForm 'A' Aluminium Formwork



NOW
Avail in
12 & 15 mm
Chamfer

Powder Coated Aluminium Formwork

- Benefits**
- ♦ Less cleaning
 - ♦ Better release
 - ♦ Colour coded
 - ♦ More durable

Heights and colours 15 mm Fillet

100 mm	125 mm
150 mm	175 mm
180 mm	200 mm
250 mm	300 mm

Heights and colours 12 mm Fillet

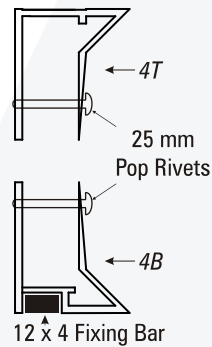
150 mm	180 mm
200 mm	



Height (mm)	15 mm Chamfer			12 mm Chamfer		
	Code Standard	Code Powder Coated	Length (M)	Code Standard	Code Powder Coated	Length (M)
100	8ALU100-15-06	8ALU100-15-06P	6.0			
125	8ALU125-15-06	8ALU125-15-06P	6.0			
150	8ALU150-15-08	8ALU150-15-08P	6.0 or 8.0	8ALU150-12-06	8ALU150-12-06P	6.0
175	8ALU175-15-08	8ALU175-15-08P	6.0 or 8.0			
180	8ALU180-15-08	8ALU180-15-08P	6.0 or 8.0	8ALU180-12-06	8ALU180-12-06P	6.0
200	8ALU200-15-08	8ALU200-15-08P	6.0 or 8.0	8ALU200-12-06	8ALU200-12-06P	6.0
250	8ALU250-15-08	8ALU250-15-08P	6.0 or 8.0			
300	8ALU300-15-08	8ALU300-15-08P	6.0 or 8.0			

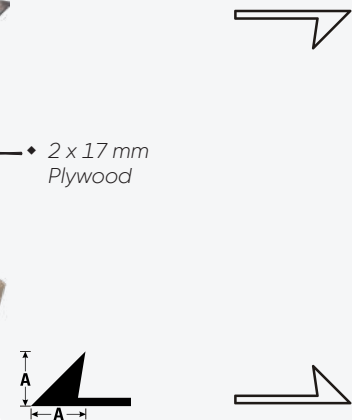
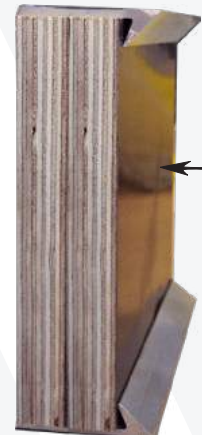
Panels & Connections

Aluminium Section Type-4



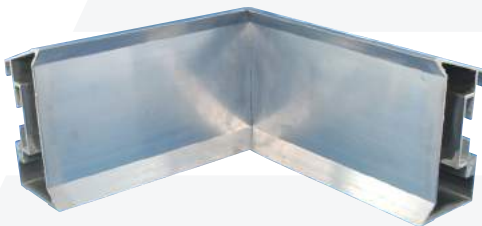
Code	Section	Length (M)
8ALU4T-4	Top	4.0 M
8ALU4B-4	Bottom	4.0 M
Note: To suit 21 mm plywood		

Aluminium Section Type-5

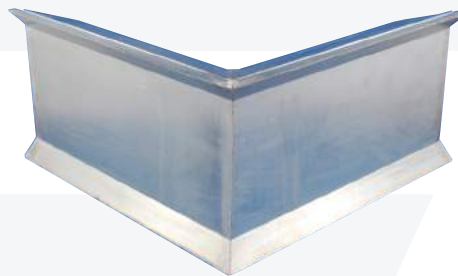


Code	Size 'A' (mm)	Length (M)
8ALU5.12-4	12	4.0
8ALU5.15-4	15	4.0
Note: To suit 34 mm plywood		

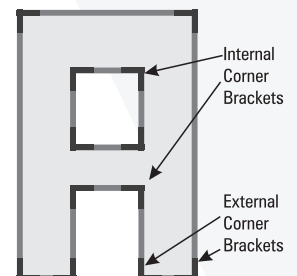
Corner Brackets - Standard & Powder Coated



♦ For External Corners



♦ For Internal Corners



Ordering Codes

8ALU	150	C12	IN	P
Prefix	Height	Chamfer	Type	Finish
8ALU150C12.INP = Internal Corner Bracket for 150 mm Formwork, Powder Coated				

Height	Code	Chamfer	Code	Type	Code	Finish	Code
100 mm	100	12x12 mm	C12	Internal	IN	Self	
125 mm	125	15x15 mm	C15	External	EX	Powder Coated	P
150 mm	150						
175 mm	175						
180 mm	180						
200 mm	200						
250 mm	250						

Formwork Joiner

Code	Application
8ALUJP	Works with all klip-form sections



Panels & Connections

Klipform Polyform Formwork System

New Polyform formwork is a revolutionary approach to how precast panels can be made, and represents the latest evolution in formwork.

As Precasters moved from screwing Steel angles, then moved to magnets and aluminium formwork systems, a gap still remained for a cost effective way to deal with non-standard openings and edges. As aluminium is a durable product, most Precasters do not want to cut this down so instead use a combination of structural timber, plywood and plastic fillets to make the custom formwork shapes as required.

However, the timber combination is time and labour consuming, with usually a single use only.

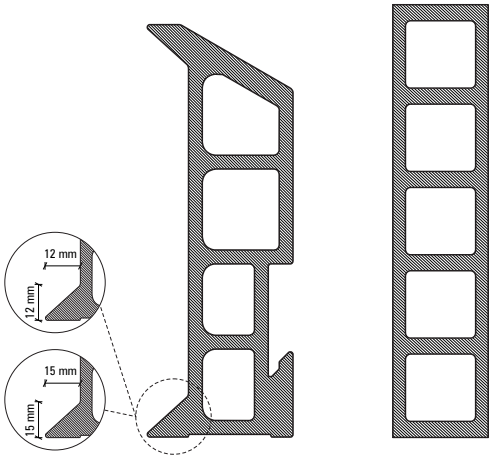
Polyform aims to solve this problem by providing a simple All-In-One solution providing a product that has the multiple reusability and durability of Aluminium BUT as cost effective and as easy to use as timber and fillets.



Benefits

- ♦ Same profile as of aluminium
- ♦ Can use with any magnets and release agent
- ♦ Economical product
- ♦ Environment friendly
- ♦ Made from and recycled plastic and wood products
- ♦ Very low moisture absorption
- ♦ Resistance to rot
- ♦ Excellent thermal properties
- ♦ Good stiffness and impact resistance
- ♦ Easy to cut

Code 2.9m	Code 5.8m	Chamfer (mm)	Height (mm)
6PF150-12	6PF150-12-58	12	150
6PF180-12	6PF180-12-58	12	180
6PF200-12	6PF200-12-58	12	200
6PF150-15	6PF150-15-58	15	150
6PF180-15	6PF180-15-58	15	180
6PF200-15	6PF200-15-58	15	200
	6PF150S-58	NIL	150
	6PF180S-58	NIL	180
	6PF200S-58	NIL	200



Panels & Connections



Klipform Corner Void

Glue this Stop end to your forms to fill the gap on the face where one piece of formwork meets another.

These reuseable pieces are chamfered in 2 planes to allow for perfect corners every time!

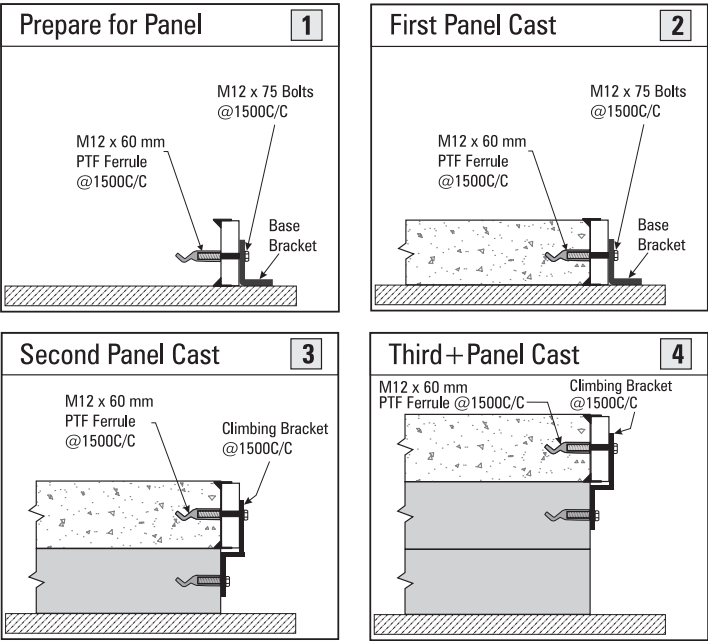
Panel Height	Code 12mm	Code 15mm
150	801412-150C	801415-150C
180	801412-180C	801415-180C
200	801412-200C	801415-200C
250	801412-250C	801415-250C
300	801412-300C	801415-300C



Panels & Connections

Climbing Formwork System

Tiltup Climbing Formwork System Using Aluminium Section



Brackets for Climbing Formwork System

Panel Thickness	Base Bracket	Climbing Bracket
100 mm	8ALU100B	8ALU100C
125 mm	8ALU125B	8ALU125C
150 mm	8ALU150B	8ALU150C
175 mm	8ALU175B	8ALU175C
180 mm	8ALU180B	8ALU180C
200 mm	8ALU200B	8ALU200C
250 mm	8ALU250B	8ALU250C
300 mm	8ALU300B	8ALU300C



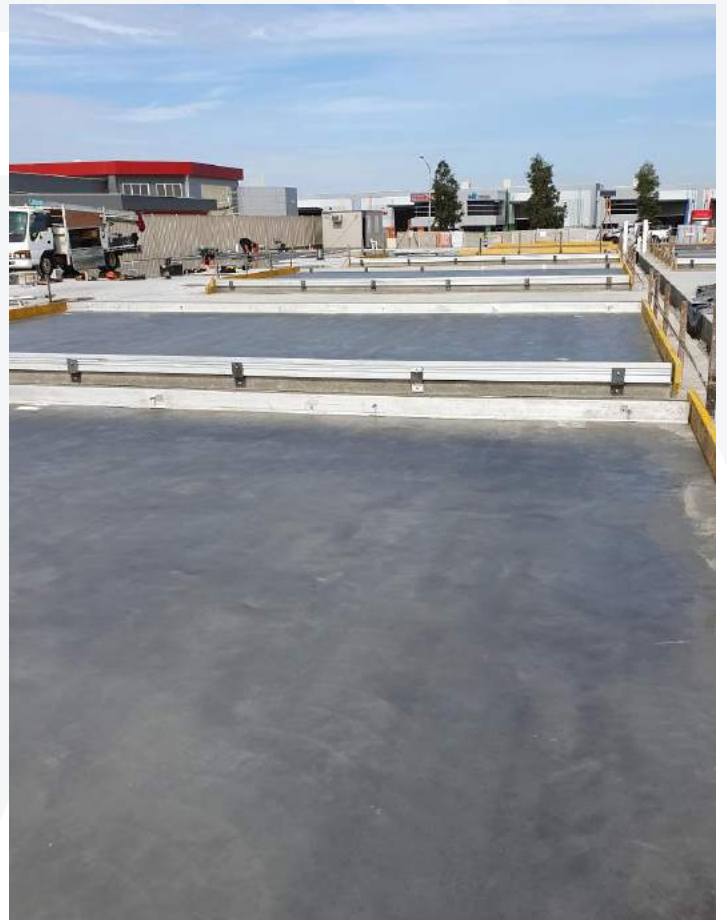
Commonform *The future of tilt panels is here...*



Shape	Code	Size 'A' (mm)	Size 'B' (mm)	Pack (M)
	46FIL.PL.15D	15	34	25

- ◆ Commonform fillets are glued to the slab....No more holes to patch
- ◆ 5 men in 5 days will box, place and finish 2,000 m²
- ◆ Pouring panels like a slab saves money!

Panels & Connections



Panels & Connections

Kling-On Formwork Magnets

Kling-On Switch II+ Magnet

Patent is protected by AU 2002244573 & pending in other countries

A magnetic formwork attachment device which is designed to provide quick and easy placement and release of formwork used to manufacture precast concrete products.

KLING-ON MINI SWITCH II+ is suitable for 100 & 125 mm formwork

KLING-ON SWITCH II+ is suitable for larger sizes of formwork

Code	Name
6SWITCHII+	Kling-On Switch II+ Magnet
6SWITCH-MINI	Kling-On Mini Switch II Magnet

Kling on magnets have strong stainless steel cases not inferior plastic or powder coated metal frames. We have designed this magnet to last!

The patented mechanism allows you to activate the magnet after safety placing it on the table and also allow you to deactivate the magnet even while the concrete is still green.



- ♦ Totally sealed Stainless Case
- ♦ Lower Maintenance - Higher Capacity
- ♦ No lever required



Kling-On magnets can be used with competitor's formwork using adaptor plates.

Adaptor Plates for Switch II Magnet



- ♦ Adaptor Plate 32
170 mm Long: 6AL8.32.170
250 mm Long: 6AL8.32.250



- ♦ Adaptor Plate for use on competitor's magnets



- ♦ Adaptor Plate 75x300
170 mm Long: 6AL8.75.170
300 mm Long: 6AL8.75.300



- ♦ The Combo Attachment
6SWITCHII.COM

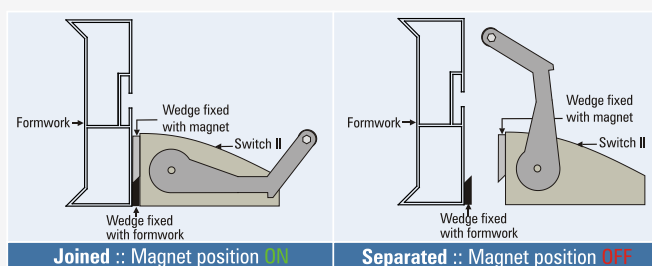


- ♦ Plate for 250 mm formwork
6AL.250

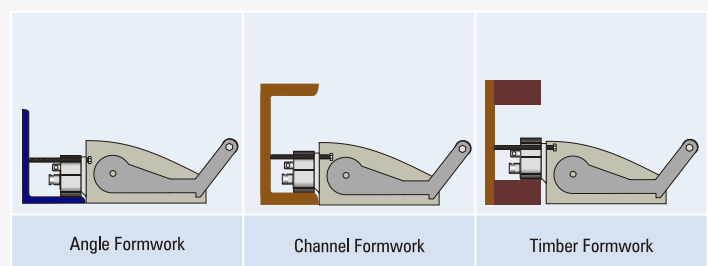


- ♦ Non Actech Formwork Plate
6AL.ADAP

Conventional use with formwork



Different application of combo attachment



- ♦ Works with angle iron channel formwork

Kling-On Block Magnet

This is a 200 x 100 x 100 mm high unit with a stainless steel case

The standard model It is placed at approx 1200 - 1500 mm centres for 150 mm thick concrete. The KLING-ON BLOCK uses a Pry Bar to break the bond.



♦ 610000

Kling-On Mini Block Magnet

This is a 150 x 90 x 100 mm high unit with a stainless steel case

This magnet was designed to be strong, yet provide a smaller footprint and integrated handle. Even though it has a smaller footprint, it can still be placed at approx 1200 - 1500 mm centres for 150 mm thick concrete. The KLING-ON MINI BLOCK uses a Pry Bar to break the bond.



♦ 611000

Kling-On Driver Magnet

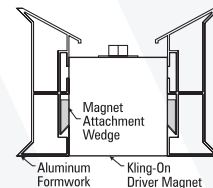
For back to back shutters

Using ACTECH's switching technology*, this magnet can secure a form to a formwork surface, by simply rotating the threaded anchor which switches the magnet on and off.

KLING-ON "DRIVER" Comes in a 250 x 100 x 100 mm (10" x 4" x 4") unit OR

100 x 50 x 50 (4" x 2" x 2") unit (for T-beam applications).

All units have a stainless steel case and the unique KLING-ON "DRIVER" system.



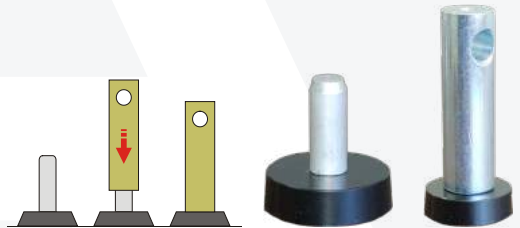
♦ 6DRIV.HD

Ferrule Locator Magnets

Size	Stem Only	Kit (Magnet +Stem)
M12	661012	660012
M16	661016	660016
M20	661020	660020
M24	661024	660024
Magnet Only: 660000		

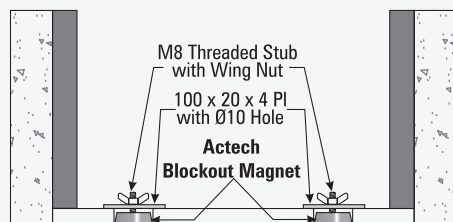
This is a circular magnet with very high capacity in a small case. It is used to hold ferrules onto the casting bed in position during a concrete pour.

- ♦ Sectional view on typical magnetic ferrule holder in concrete panel holding it to steel. If oiled correctly the magnet stays on the table and the ferrule is clean and ready to use.

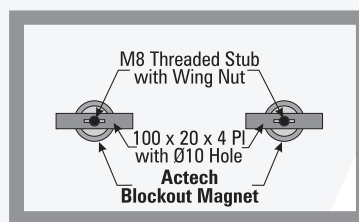


Blockout Magnets

This is a circular magnet with very high capacity in a small case. It is used to hold windows and small openings. It is also used for holding penetrations for Precast Pits.



Sectional View



Plan View

- ♦ Views on typical blockout in concrete panel - 500 x 500 x 150TH. Showing 2 "Blockout Magnets" holding it to steel.



- ♦ 650050
- ♦ For Blockout Magnet Recess Formers See Page: 80
- ♦ We also make custom recess formers



Magnet Attachment Wedge

Code	Profile (mm)	Length (mm)
8ALUWE.1	31.5 x 8	3.0
8ALUWE.2	75 x 8	3.0



♦ 8ALUWE.1



♦ 8ALUWE.2

Panels & Connections

Cast-In Plates Standard

TYPE A with M20 Ferrule | TYPE B without Ferrule



Size (mm)	Length (mm)	Width (mm)	Height (mm)	No of D-Bar	Plate 12 mm		Plate 16 mm	
					Type A	Type B	Type A	Type B
200 x 200	200	200	90, 120 & 150	2	● / ●		●	●
200 x 200	200	200	150	2	● / ●			
200 x 150	200	150	90	2	● / ●			
200 x 120	200	120	90	2	● / ●			
300 x 200	300	200	90	3		●	●	●
300 x 300	300	300	90	3		●		●
400 x 200	400	200	90 & 120	4			●	●
500 x 200	500	200	90 & 120	4				●
600 x 200	600	200	90 & 120	5				●

● - With Legs ● - Without Legs

Ordering Codes

5PL	2020	-10	A	90	G	L	120R
Prefix	Size	Plate	Type	Height	Finish	With Legs	Leg Length
5PL2020-12A90GL = Type A 200 x 200 12 mm thick 90 mm high HDG, Cast-in Plate with legs							
Size	Code	Plate	Code	Height	Code	Legs	Code
200 x 200	2020	10 mm	-10	90 mm	90	With Legs	L
200 x 150	2015	12 mm	-12	120 mm	120	No Legs	
200 x 120	2012	16 mm	-16	150 mm	150		
Size	Code	Type	Code	Finish	Code	Leg Length	Code
300 x 200	3020	Type A	A	Black		115 with Rubber tips	115R
300 x 300	3030	Type B	B	GAL	G	120 with Rubber tips	120R
400 x 200	4020					150 with Rubber tips	150R
500 x 200	5020						
600 x 200	6020						

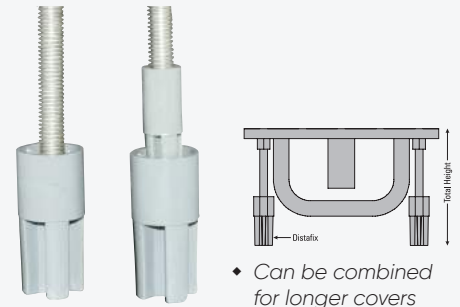


Cast-In Plates Accessories

Distafix Condoms for bars

Use Distafix to support Cast-in Plates in near face applications.

Bar Dia	Cover (mm)									
	10	15	20	25	30	35	40	45	50	60
4-8	●	●	●	●	●	●	●	●	●	●
10-16		●	●	●	●	●			●	●
4-8 + 10-16	Combination gives 25 mm to 120 mm height									
Ordering Codes: 37DISTA + Cover + Bar Range (Distafix 25/ 4-8 = 37DISTA25.48)										



♦ Can be combined for longer covers

Panel Height (mm)	Plate with Recess		Plate without Recess	
	Distafix	Leg	Distafix	Leg
150	30 mm	Std	60 mm	Std
175	55 mm	Std	45 mm	128 mm
200	40 mm	128 mm	20 mm	178 mm

The Actech Cast-In Plate system allows you to use different combinations of leg length and distafix height to achieve any combination of near face cast in plate height either with or without recess former.

Cast-In Plate Chair

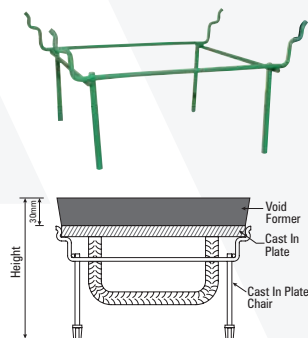
Does not interfere with cross bars

No air pockets in concrete

Concrete can flow freely around the chair

Lightweight but strong

Code	Name	Height (mm)
5PLCH150	Cast in Plate Chair for 150 panels	150
5PLCH175	Cast in Plate Chair for 175 panels	175
5PLCH200	Cast in Plate Chair for 200 panels	200



Cast-In Plates Recess Formers - Reusable

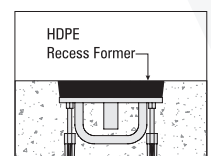
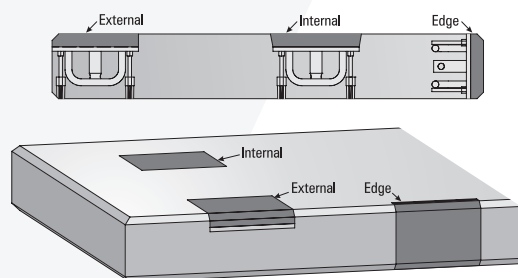


♦ 801430-2020-IN



♦ 801430-2020-EX

♦ These are made from HDPE and can be used hundreds of times.



♦ Just tap with a hammer and they fall out

Size	Internal	External	Edge
150 x 150 x 30	801430-1515-IN	801430-1515-EX	801430-1515-EDGE
200 x 150 x 30	-	-	801430-1520-EDGE
200 x 200 x 30	801430-2020-IN	801430-2020-EX	-
250 x 250 x 30	801430-2525-IN	801430-2525-EX	-
300 x 200 x 30	801430-3020-IN	-	-

♦ Other thickness & custom sizes available

Panels & Connections

Cast-In Plates Custom

Did you know ACTECH can make custom cast-in plates?
We specialise in small runs as well as large production runs depending on the project and available lead times.
No job is too big or too small!



Tullamarine Widening Project

Actech International was tasked with the job of providing a range of custom cast-in plates for the \$1.3 Billion dollar Tullamarine Widening Project throughout 2016 and 2017.

The plates were of a highly technical nature and incorporated the use of laser cutting, water-jet technologies and traditional welding of steel to produce a range of plates to the customer's very detailed specifications. Over 700 unique plates were supplied to this project.

As part of this process Actech International was required to provide Non Destructive Magnetic Particle test reports for all brackets to AS1554.3

Combining our network of long established suppliers and in-house expertise we were able to supply to our customers exacting requirements on time and on budget.

At the completion of this order our customer commented,

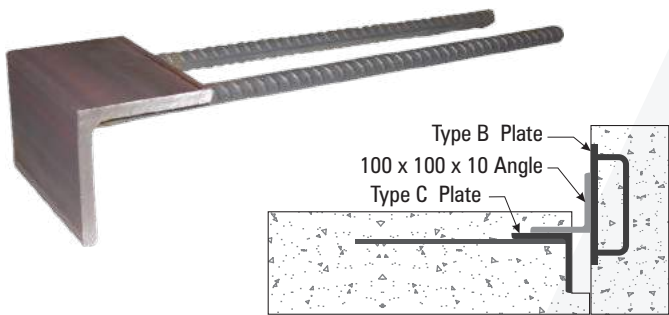
"Actech did an excellent job supplying this complex job to a very high standard"



Cast-In Plates Floor Connection

TYPE C

Code	Section (mm)	Width (mm)
5PLC-150	100x150	150
5PLC-200	100x150	200



Cast-In Plates Components

Flat Plates

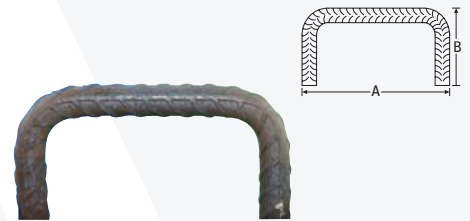
Code	Name	Thick (mm)	Width (mm)	Length (mm)
5PL12200-3000	Flat Plate 300 Grade	12	200	3000
5PL12250-3000	Flat Plate 300 Grade	12	250	3000
5PL12300-3000	Flat Plate 300 Grade	12	300	3000
5PL16200-2500	Flat Plate 300 Grade	16	200	2500
5PL16250-2500	Flat Plate 300 Grade	16	250	2500
5PL16300-2500	Flat Plate 300 Grade	16	300	2500
5PL2020-12	Plate for CIP with 22 mm central hole	12	200	200



◆ 5PL2020-12

D-Bars

Code	Name	Bar Dia (mm)	Dim A (mm)	Dim B (mm)
5PL-D16-01	N16 D Bar for Cast in Plates	Ø16	140	78
5PL-D16-02	N16 D Bar for Cast in Plates	Ø16	140	108
5PL-D16-03	N16 D Bar for Cast in Plates	Ø16	140	138
5PL-D16-04	N16 D Bar for Cast in Plates	Ø16	200	78
5PL-D16-05	N16 D Bar for Cast in Plates	Ø16	200	108



Cast In Plate Ferrules

Code	Name	Length (mm)	Finish	Pack (pc)
505520.F.ZR26	CIP Ferrule M20 x 55 Round	55	Zinc Plated	50



Legs

Code	Name	Bar Dia (mm)	Length (mm)
5PL-L108	108 mm legs for Cast-in Plates	Ø 8.0	108
5PL-L110	110 mm legs for Cast-in Plates	Ø 8.0	110
5PL-L128	128 mm legs for Cast-in Plates	Ø 8.0	128
5PL-L178	178 mm legs for Cast-in Plates	Ø 8.0	178
5PL-L210	210 mm legs for Cast-in Plates	Ø 8.0	210



Shear Studs

Custom lengths available

Code	Name	Length (mm)	Finish	Pack (pc)
5P58019.095	Shear Stud - 19 x 95 mm	95	Plain	100
5P58019.110	Shear Stud - 19 x 110 mm	110	Plain	100
5P58019.125	Shear Stud - 19 x 125 mm	125	Plain	100
5P58019.150	Shear Stud - 19 x 150 mm	150	Plain	100

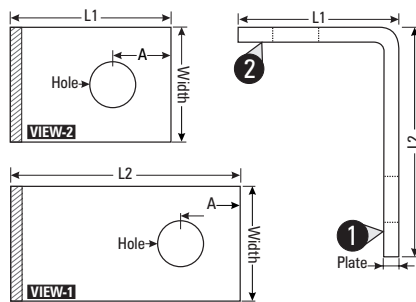


Panels & Connections

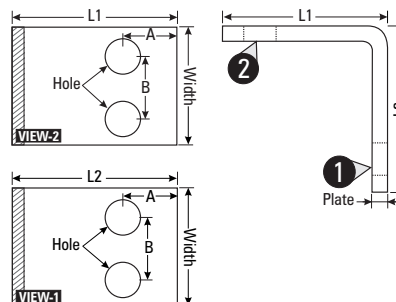
Cast-In Plate Joiners

Corner Joining Plate

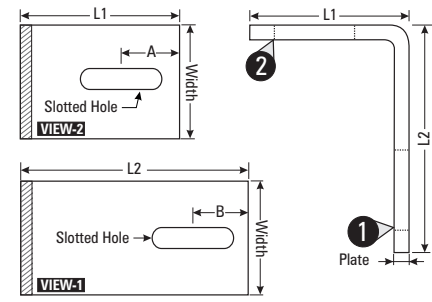
Detailed set of drawings available



♦ Type D



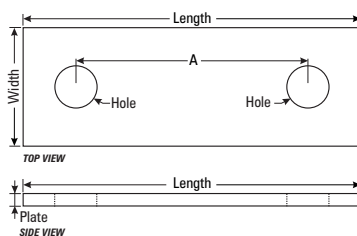
♦ Type E



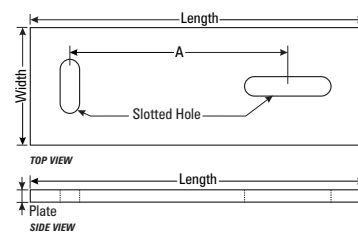
♦ Type F

Code (12 mm Plate)	Code (10 mm Plate)	Type	L1 (mm)	L2 (mm)	Width (mm)	Hole (mm)	Dim A (mm)	Dim B (mm)	Finish
5JCP12-200140R44	5JCP10-200140R44	D	140	200	100	Round 2 x 40	50	-	Plain
5JCP12-150150R44	5JCP10-150150R44	D	150	150	100	Round 2 x 40	50	-	Plain
5JCG12-150150R44	5JCG10-150150R44	D	150	150	100	Round 2 x 40	50	-	Gal
5JCG12-200150R55	5JCG10-200150R55	D	150	200	100	Round 2 x 50	50	-	Gal
5JCG12-150315R44	5JCG10-150315R44	E	150	150	315	Round 4 x 40	50	215	Gal
5JCP12-225150S8	5JCP10-225150S8	F	150	225	100	Slotted 2 x 80	70	80	Plain
5JCPD12-200150S6S9	5JCPD10-200150S6S9	F	150	200	90	Slotted 60 & 90	40	60	Powdercoated

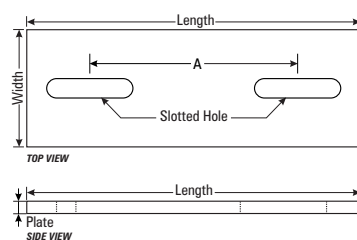
Flat Joining Plate/Stitch Plates



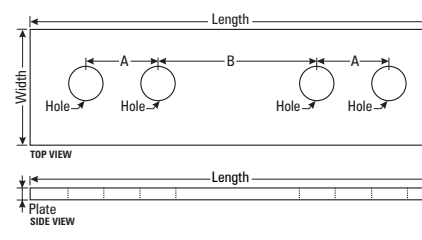
♦ Type A



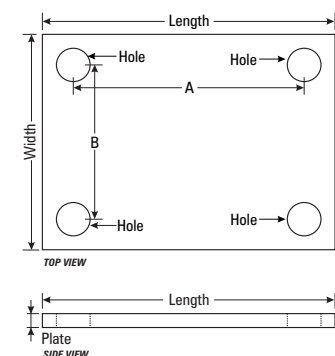
♦ Type B1



♦ Type B2



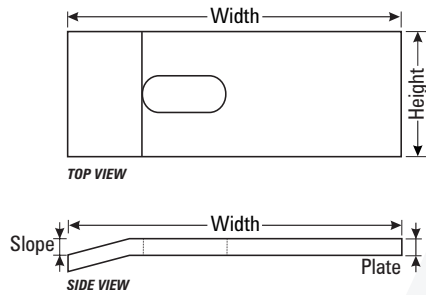
♦ Type C2



♦ Type C

Code (12 mm Plate)	Code (10 mm Plate)	Type	Length (mm)	Width (mm)	Hole (mm)	Dim A (mm)	Dim B (mm)	Finish
5JFP12-330090S49	5JFP10-330090S49	B1	330	90	Slotted 40 & 90	233	-	Plain
5JFPD12-330090S49	-	B1	330	90	Slotted 40 x 90	223	55 x 22	Powercoated
5JFP12-320100R44	5JFP10-320100R44	A	320	100	Round 2 x 40	220	-	Plain
5JFP12-330100R55	5JFP10-330100R55	A	330	100	Round 2 x 50	220	-	Plain
5JFG12-335090S49	-	B1	335	90	Slotted 40 & 90	233	-	Gal
5JFG12-315100R44	5JFG10-315100R44	A	315	100	Round 2 x 40	215	-	Gal
5JFG12-315300R44	5JFG10-315300R44	C	315	300	Round 4 x 40	215	300	Gal
5JFG12-315100R44	-	A	315	100	Round 2 x 40	215	-	Gal
5JFP12-350100S8	5JFP10-350100S8	B2	350	100	Slotted 2 x 80	220	-	Plain
5JFG12.515100R44	5JFG10.515100R44	C2	515	100	Round 4 x 40	100	215	Gal

Column Clip Plate



Custom sizes available

Code	Name	Length (mm)	Width (mm)	Plate (mm)	Slope (mm)	Hole (mm)	Finish
5JBP10-200.75-10	Clip Plate Type 1-10	200	75	10	10	55 x 22	Plain
5JBP12-200.75-12	Clip Plate Type 1-12	200	75	12	12	55 x 22	Plain
5JBP10-150.75-10	Clip Plate Type 2-10	150	75	10	10	40 x 22	Plain
5JBP12-150.75-12	Clip Plate Type 2-12	150	75	12	12	40 x 22	Plain
5JBP10-190.100-10	Clip Plate Type 3-10	190	100	10	10	30 x 22	Plain
5JBG10-200.75-10	Clip Plate Type 1-10 G	200	75	10	10	55 x 22	Gal
5JBG12-200.75-12	Clip Plate Type 1-12 G	200	75	12	12	55 x 22	Gal
5JBG10-150.75-10	Clip Plate Type 2-10 G	150	75	10	10	40 x 22	Gal
5JBG12-150.75-12	Clip Plate Type 2-12 G	150	75	12	12	40 x 22	Gal
5JBPD10-200.75-10	Clip Plate Type 1-10 PD	200	75	10	10	55 x 22	Powercoated
5JBPD12-200.75-12	Clip Plate Type 1-12 PD	200	75	12	12	55 x 22	Powercoated
5JBPD10-150.75-10	Clip Plate Type 2-10 PD	150	75	10	10	40 x 22	Powercoated
5JBPD12-150.75-12	Clip Plate Type 2-12 PD	150	75	12	12	40 x 22	Powercoated

Fasteners for Cast-In Plates & Prop Points

Note: Most states now require that all bolts used to secure ferrules in panels be no higher than 4.6 Grade

Standard Bolts

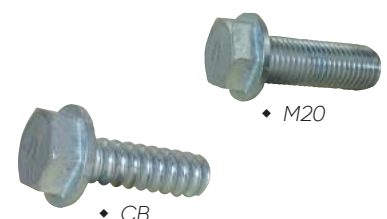
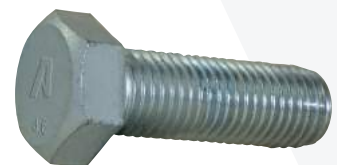
Code		Name	Thread	Length (mm)	Pack
4.6 Grade	8.8 Grade				
555G4M20-55	555G8M20-55	Hex Head Bolt M20 x 55	M20	55	50
555G4M20-60	555G8M20-60	Hex Head Bolt M20 x 60	M20	60	50
555G4CB-55	555G8CB-55	Hex Head Bolt CB x 55	CB	55	50
555G4CB-60	555G8CB-60	Hex Head Bolt CB x 60	CB	60	50

Washers

Code	Name	Size (mm)	Hole (mm)	Pack
554G4M20-65.65.5	Gal Steel Washer 65x65x5	65x65x5	Ø22.00	150 pc
554G4M20-50.50.5	Gal Steel Washer 50x50x5	50x50x5	Ø22.00	150 pc

Flange Head Bolts

Code		Name	Thread	Length (mm)	Pack
4.6 Grade	8.8 Grade				
556G4M20-55	556G8M20-55	Flange Bolt M20 x 55	M20	55	50
556G4M20-60	556G8M20-60	Flange Bolt M20 x 60	M20	60	50
556G4CB-55	556G8CB-55	Flange Bolt CB x 55	CB	55	50
556G4CB-60	556G8CB-60	Flange Bolt CB x 60	CB	60	50



Panels & Connections

Case Study

ALTAS RAILFIX & LIFTFIX TKA



In the construction of precast noise walls for the Gateway Bridge Duplication Project in Brisbane, a number of ALTAS Lifting and fixing systems were used, namely the ALTAS LIFTFIX TKA Anchor for lifting and transporting the walls, and the ALTAS RAILFIX system for securing the walls in their final positions. The precast elements were cast in the Eagle Farm Precast Facility in steel and rubber textured moulds. ALTAS LIFTFIX TKA Anchors were used for edge lifting the elements, with 2 anchors cast on either long edge. This provided for flat lifting and transportation, and then rotating off one edge at installation. ALTAS LIFTFIX TKA Anchors have the advantage over standard hairpin and foot anchors that while using a standard clutch, the geometry of the anchor prevents the clutch head from rotating in the void too far and thus preventing it bearing against the concrete. With standard lifting anchors, sometimes when the clutch bears on the concrete, the concrete will spall if it has not achieved sufficient strength or the impact of the clutch is too great. A variety of 1.3, 2.5 and 5.0T anchors were used on this job depending on the wall element required. Over 25,000 lifting anchors were supplied for this project.



The example walls shown here are using the 5T TKA Anchor secured with a perimeter shear bar and an additional anchorage bar through the anchor. A variety of different ALTAS RAILFIX HDG anchor channels and styles were used on this project depending on the wall thickness of the precast element.



Standard ALTAS RAILFIX anchor channels having a minimum of 2 or 3 anchor legs were used for most of the precast walls. The channel has a foam filled uniform cross section with an open mouth that is located against the mould face. The anchorage pins are similar to ALTAS LIFTFIX foot anchor pins which are securely connected to the channel. Both the anchorage pins and the channel section work together to provide high pullout capacity for securing items to the finished precast element, or for securing the precast element to the rest of the structure, i.e. steel columns.

ACTECH was also able to provide a custom fabrication service of anchor channels with a slotted plate anchorage system for thin panels. Reinforcement bars transverse to the channel provided the anchorage in the element. (See opposite page – Special Channels)



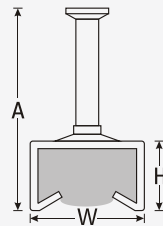
On site, the panels were edge lifted into position and then secured using ALTAS RAILFIX T-bolts. These bolts were easily inserted into the anchor channel and rotated to lock into position connecting steel clip plates to previously installed steel columns. The length of channel provides for a high degree of variance in the final location of the T-bolt meaning standard clip plates could be used, and no welding required. The result is a clean and elegant connection that is easy to use, and very fast to install.

ALTAS RAILFIX

Cast-In Channels

Profile Sizes (special order)

Smooth Channel	Toothed Channel	W x H (mm)	A (mm)
5572815	5572815T	28 x 15	48
5573817	5573817T	38 x 17	68
5574025	5574025T	40 x 25	76
5574930	5574930T	49 x 30	90
5576433	5576433T	64 x 33	152



♦ Toothed Channel

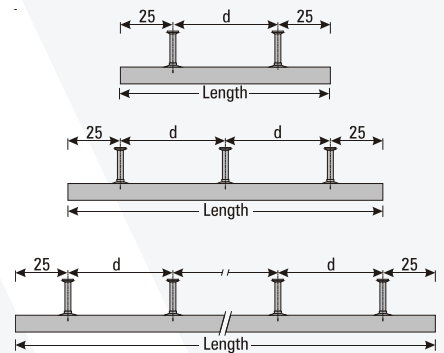


♦ Smooth Channel

♦ Available in Black, HDG or Stainless Steel

Standard lengths and anchor spacing

Length (mm)	No of Anchors	d (mm)	Length (mm)	No of Anchors	d (mm)
100	2	50	350	3	150
150	2	100	400	3	175
200	2	150	550	3	250
250	2	200	1050	5	250
300	2	250	3050	13	250
300	3	125	6000	48	125



T-Bolts

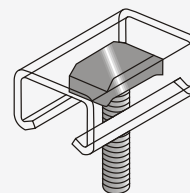
Supplied with nut & washer

Suits Channels	d	W (mm)	I (mm)	L (mm)
5572815	M8	10	22.5	40
5572815	M10	10	22.5	40
5572815	M12	10	22.5	40
5573817	M10	13	31	40
5573817	M12	13	31	30 to 50
5573817	M16	16	31	20 to 200
5574025	M10	14	32.5	40
5574025	M12	14	32.5	40 to 80
5574025	M16	17	32.5	40 to 80

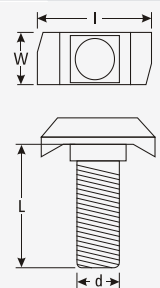
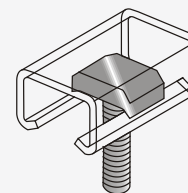
Available in 4.6 & 8.8 HDG or in stainless steel

We also supply Toothed bolts for Toothed Channels

Suits Channels	d	W (mm)	I (mm)	L (mm)
5574930	M12	13	41	50
5574930	M16	17	41	60, 80
5574930	M20	21	41	55, 80, 100



♦ Simply Insert T-bolt anywhere along the channel and turned through 90° to lock into position.

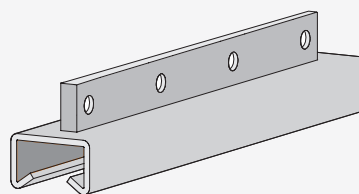


Can make custom length bolts if required

Special Channels

We design & make special cast-in channels as per your requirement.

This is an example of a special channel manufactured for the gateway bridge project in Brisbane (see opposite page).

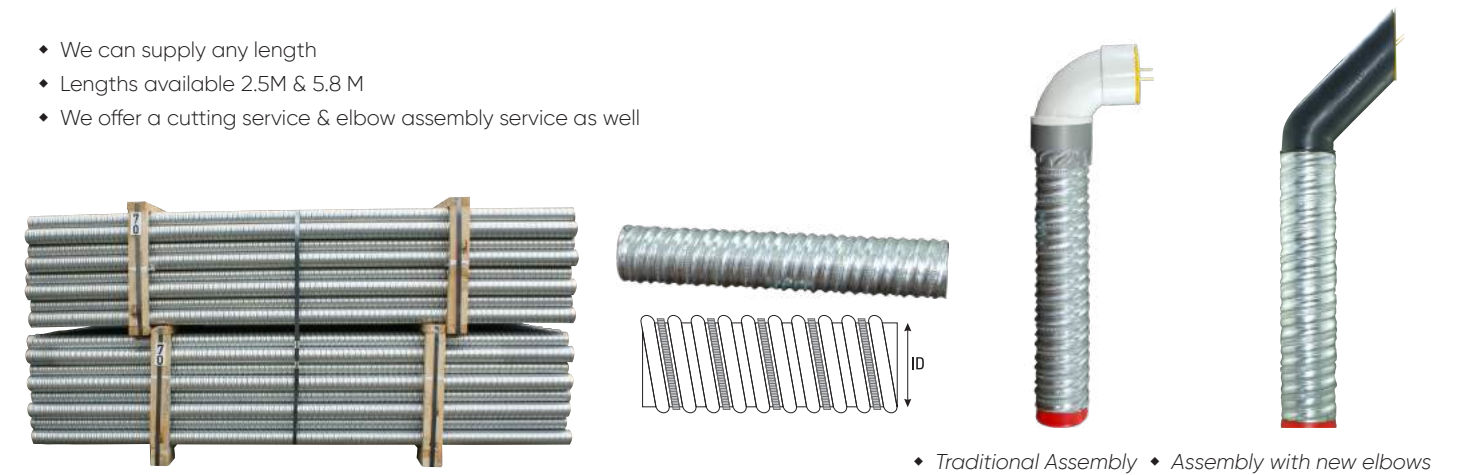


Panels & Connections

Grout Tube & Accessories

Spiral Metal Former Tube – Bulk Packs

- We can supply any length
- Lengths available 2.5M & 5.8 M
- We offer a cutting service & elbow assembly service as well



Name	Internal Dia - ID (mm)	2.5M Lengths		5.8M Lengths	
		Code	Pack (LM)	Code	Pack (LM)
Metal Spiral Grout Tube 40	40	414025	250	414058	580
Metal Spiral Grout Tube 50	50	415025	250	415058	580
Metal Spiral Grout Tube 60	60	416025	250	416058	580
Metal Spiral Grout Tube 70	70	417025	250	417058	580
Metal Spiral Grout Tube 80	80	418025	250	418058	580
Metal Spiral Grout Tube 90	90	419025	250	419058	580
Metal Spiral Grout Tube 100	100	419925	250	419958	580

Other Diameters And Lengths Can Be Produced By Special Order

Short Length Packs

Save time and space by ordering pre-cut lengths!
With our easy joiners and elbows you will not need to cut your grout tube /duct anymore.

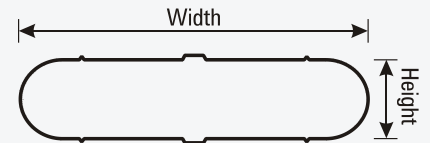
Length	50mm ID	60mm ID	70mm ID
200mm	4150-0200		
350mm	4150-0350		
500mm	4150-0500	4160-0500	4170-0500
650mm	4150-0650	4160-0650	4170-0650
1000mm	4150-1000	4160-1000	4170-1000
1350mm	4150-1350	4160-1350	4170-1350



- 1000 & 1350mm supplied in crates
- Shorter lengths supplied in boxes

Oval Metal Former Grout Tube (special order) *Post Tension Duct*

Code	Name	Size (mm)	Length (M)
418720	Slab Duct 87 x 20	87 x 20	5.8
417020	Slab Duct 70 x 20	70 x 20	5.8
414320	Slab Duct 43 x 20	43 x 20	5.8
4120DM	Single Strand Duct 20	Ø 20	5.8



Plastic Pipe- DWV

Code	Name	Dia (mm)	Length (M)
411921	Poly Pipe 19mm dia, 100M Roll	19	100
411922	Poly Pipe 19mm dia, 200M Roll	19	200
410040	Plastic Pipe 40	40	6
410050	Plastic Pipe 50	50	6
410090	Plastic Pipe 90	90	6



Std Elbow

Code	Name	Dia (mm)	Radius
400014	Plastic Elbow 40x87	40	87°
400015	Plastic Elbow 50x87	50	87°
400017	Plastic Elbow 65x87	65	87°
400020	Plastic Elbow 75x87	75	87°
400021	Plastic Elbow 80x87	80	87°
400022	Plastic Elbow 90x87	90	87°
400023	Plastic Elbow 100x87	100	87°



Grout Tube Chair

This chair provides 4 unique covers for 150, 170, 180 and 200 mm panels to support a central grout tube.

And it has needle points for minimal show on the panel face!



♦ 41GTCHAIR

Panels & Connections

45° Elbows & Adapters

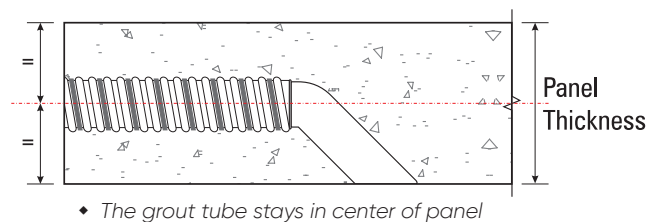
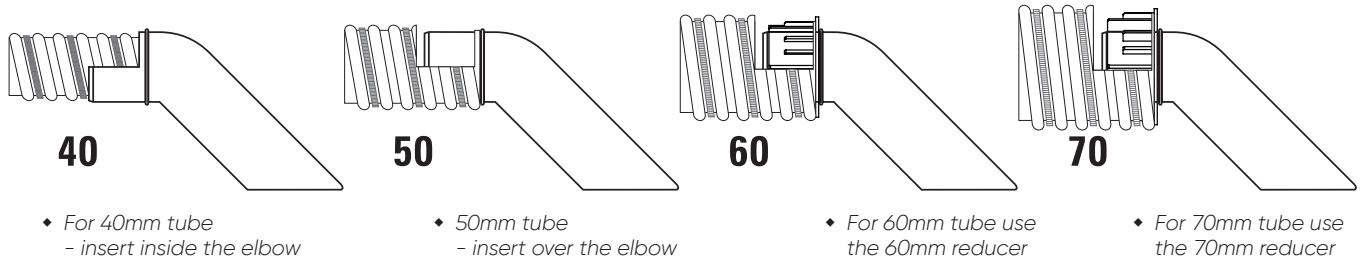


No Duct Tape Required

♦ 45° Elbow

All New 45° Grout Tube Elbows

Suitable for 40, 50, 60 & 70 mm Grout Tubes



Quick fit design

Better flow of Grout

Less Labour

Accuracy in lengths

45° Elbows

Code	Name	Suits Grout Tube	
		Without Reducer	With Reducer
400030	Plastic Elbow suits 150 mm panel	40, 50	60, 70
400032	Plastic Elbow suits 175/180 mm panel	40, 50	60, 70
400034	Plastic Elbow suits 200 mm panel	40, 50	60, 70
400035	Plastic Elbow suits 250 mm panel	40, 50	60, 70
400036	Plastic Elbow suits 300 mm panel	40, 50	60, 70
400038	Plastic Elbow suits 400 mm panel	40, 50	60, 70



45° Taped Elbows

Code	Name	Suits Grout Tube	
		Without Reducer	With Reducer
400030T	Taped Plastic Elbow suits 150 mm panel	40, 50	60, 70
400032T	Taped Plastic Elbow suits 175/180 mm panel	40, 50	60, 70
400034T	Taped Plastic Elbow suits 200 mm panel	40, 50	60, 70
400035T	Taped Plastic Elbow suits 250 mm panel	40, 50	60, 70
400036T	Taped Plastic Elbow suits 300 mm panel	40, 50	60, 70
400038T	Taped Plastic Elbow suits 400 mm panel	40, 50	60, 70



Reducers for 45° Grout Tube Elbow

These easy to use reducers allow you to use the 45 degree elbows with 60 and 70mm grout tubes. A snug fit means little or no taping required either.

Code	Description	Pack (pc)
4160RED	Reducer for 60mm Metal Grout Duct/Tube	100
4170RED	Reducer for 70mm Metal Grout Duct/Tube	100



◆ Reducer

Plastic Joiners for Metal Spiral Duct

These NEW joiners allow you to join 2 grout tubes either in the element to be made or to extend grout tube for an element that has already been cast!

Code	Description	Pack (pc)
400150	Plastic Joiner for 50mm Metal Grout Duct/Tube	100
400160	Plastic Joiner for 60mm Metal Grout Duct/Tube	100
400170	Plastic Joiner for 70mm Metal Grout Duct/Tube	100



Panels & Connections

New Spiral Tube Locators

New Design - New Concept - Time Saver



♦ 400.PL.40



♦ 400.PL.50



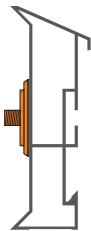
♦ 400.PL.60



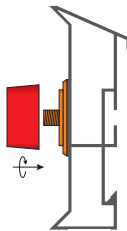
♦ 400.PL.70



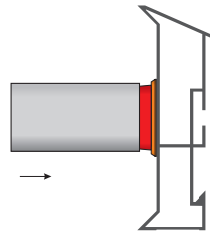
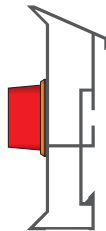
♦ 400.PL.80



- ♦ Glue to nail M12 Glue plate to formwork



- ♦ Screw new spiral tube locator on M12 Glue plate



- ♦ Fix spiral tube on spiral tube locator



- ♦ Thread at Back
- ♦ Different colour for each size

Code	Name	For Spiral Tube (mm)	Colour	Pack (pc)
400.PL.40	Pipe Locator 40mm	40	Blue	100
400.PL.50	Pipe Locator 50mm	50	Red	100
400.PL.60	Pipe Locator 60mm	60	Green	100
400.PL.70	Pipe Locator 70mm	70	Yellow	100
400.PL.80	Pipe Locator 80mm	80	Orange	100

HDPE Spiral Tube Locators - Standard & Magnetic

Magnetic	Standard	Name	Dia (mm)
-	401050	Spiral Tube Locator 50 mm	50
40106M	401060	Spiral Tube Locator 60 mm	60
40107M	401070	Spiral Tube Locator 70 mm	70
40108M	401080	Spiral Tube Locator 80 mm	80
40109M	401090	Spiral Tube Locator 90 mm	90
40110M	-	Spiral Tube Locator 100 mm	100



- ♦ Magnetic- Requires Blockout Magnet

Can be made to any size



- ♦ Standard



Grout Donut

Code	Outer Dia (mm)	Hole (mm)	Height (mm)
49DNUT60.22.15	60	22	15
49DNUT100.60.30	100	60	30
49DNUT120.60.45	120	60	45
49DNUT200.130.50	200	130	50



- ♦ Grout Donut

Panels & Connections



Prop Type	Closed		Middle		Fully Extended	
	Length (M)	SWL (kN)	Length (M)	SWL (kN)	Length (M)	SWL (kN)
XXS	1.00	35.00	1.37	30.00	1.70	25.00
XS	1.55	35.00	2.05	30.00	2.50	25.00
S	2.40	35.00	3.20	31.00	4.10	30.00
M	3.10	48.00	3.80	40.00	4.50	30.00
L	4.35	40.00	5.80	22.00	7.00	15.00
XL	5.70	28.00	7.50	20.00	9.40	10.00

Push Pull Prop Feet

For New Props or Repairs

Our unique system allows for simple repair, replacement and adjustment of prop head & base units as well as pipe tubes. Call for more info.



Prop Pins with One Time Lock

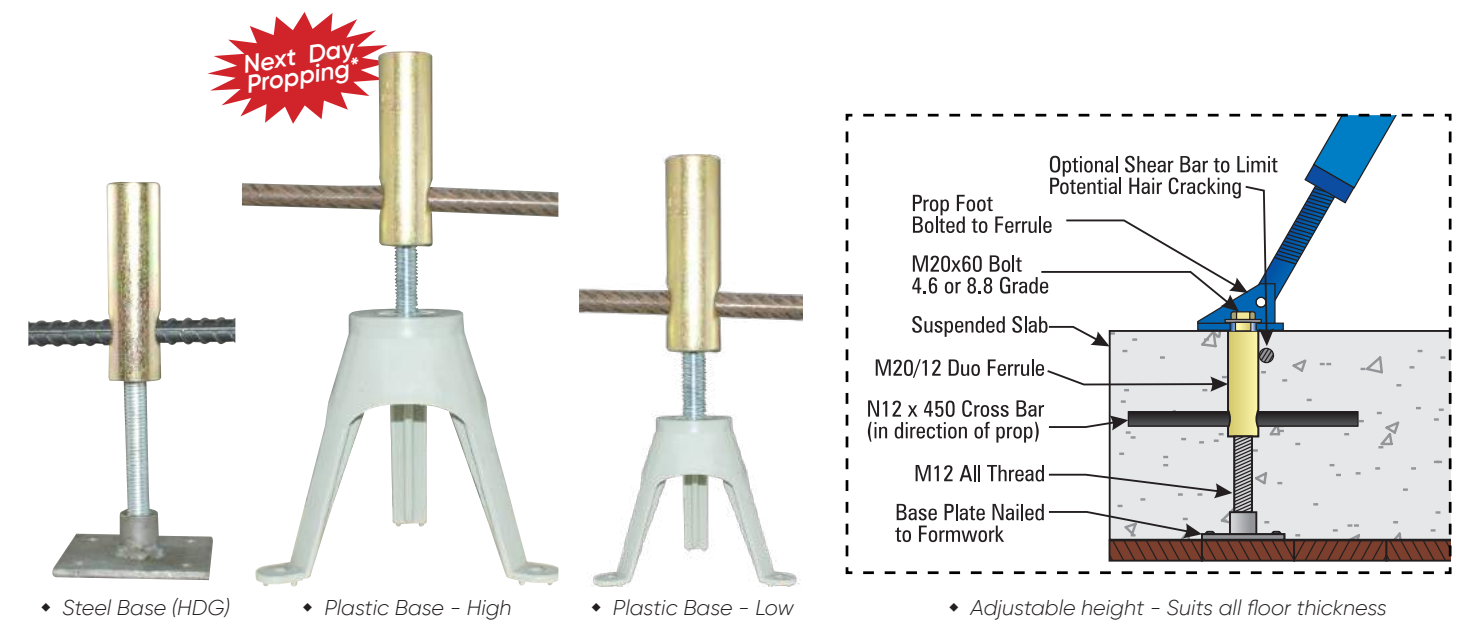
Do not waste money with expensive magnet locks when this simple one does the same job.



Panels & Connections

Propping Accessories

Early Propping Support



The Atech Early Propping Supports Provide a safe and cost effective way to prop panels in low strength concrete floors.

Simply locate the correct propping position and secure the base to the formwork soffit.

Cut M12 allthread to suit the finished height of the support.

Code	Name	Pack (pc)
50962012.DEF.ZR	M20-M12 x 96 DEF Round Ferrule - Zinc	50
50962012.DEF.GR	M20-M12 x 96 DEF Round Ferrule - Gal	50
50962012.BASE.G	M20-M12 x 96 DEF Base - Gal	50
49SCRM12.HI	Plastic Chair with M12 Thread - High	50
49SCRM12.LO	Plastic Chair with M12 Thread - Low	50

Load Rating of EPS

Concrete Strength	8 MPA	10 MPA	15 MPA	20 MPA	25 MPA	30 MPA	40 MPA
Tension	34.38 kN	38.44 kN	47.08 kN	48.00 kN**	48.00 kN**	48.00 kN**	48.00 kN**
Max Prop Load	39.70 kN	44.44 kN	54.63 kN	55.40 kN**	55.40 kN**	55.40 kN**	55.40 kN**
Max Prop Shear	19.85 kN	22.20 kN	27.18 kN	27.70 kN**	27.70 kN**	27.70 kN**	27.70 kN**

* 'Next Day Propping' is subject to concrete achieving minimum strength in table above

**The pull out capacity is limited by the capacity of ferrule. WLL calculations based on FOS = 2.5

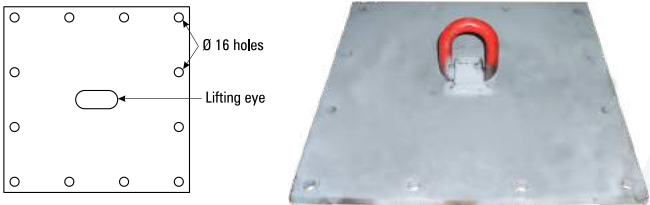
Bugger Plate - 5T Capacity

Create a new lifting point

Available for hire

Certification and tech supplied

Code: 5P52-BUG.5T



- ◆ Size: 500 x 500 X 16 Plate
- ◆ 12 No 16mm holes @100mm centres

Pry Bar

Bar for placing tilt panels during lift

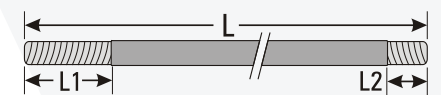


- ◆ 5PRYBAR

Threaded Rebar

Threaded Rebar Screwed One End & Both Ends

Code	Bar Grade	Threaded	Bar Dia (mm)	Length L (mm)	Length L1 (mm)	Length L2 (mm)
5THRB12-60N	N	Both ends	12	600	50	15
5THRB12-80N	N	Both ends	12	800	50	15
5THRB16-60N	N	Both ends	16	600	50	15
5THRB16-80N	N	Both ends	16	800	50	15
5THRB16-99N	N	Both ends	16	1000	50	15
5THRB20-60N	N	Both ends	20	600	50	15
5THRB20-80N	N	Both ends	20	800	50	15
5THRB20-99N	N	Both ends	20	1000	50	15
5THRB24-80N	N	Both ends	24	800	50	15
5THRB24-99N	N	Both ends	24	1000	50	15
5THRB12-20N	N	One end	12	200	50	NA
5THRB16-20N	N	One end	16	200	50	NA
5THRB20-20N	N	One end	16	200	50	NA
5THRB12-20S	S	One end	12	200	50	NA
5THRB16-20S	S	One end	16	200	50	NA
5THRB20-20S	S	One end	20	200	50	NA



- ♦ We can also custom manufacture
- ♦ 2 threads allow you to install bars faster as you can use a rattle gun.
- ♦ Grout sleeves and alligator connection system also available.

Socket Threaded Bars

Code	Bar Grade	Bar Dia (mm)	Length L (mm)	Thread Length (L1) (mm)	Socket Diam (mm)
5THRBS12-60N	500N	12	600	50	10
5THRBS12-80N	500N	12	800	50	10
5THRBS16-60N	500N	16	600	50	13
5THRBS16-80N	500N	16	800	50	13
5THRBS16-99N	500N	16	1000	50	13
5THRBS20-60N	500N	20	600	50	17
5THRBS20-80N	500N	20	800	50	17
5THRBS20-99N	500N	20	1000	50	17



Rebox Rebating System

Rebox® is a reinforcing bar joining system manufactured from pre-bent Grade 500 N TEMPCORE reinforcement bars neatly packed and sealed inside a dimpled galvanised steel rebate box with smooth close-fitting galvanized lid. The Danley™ Rebox® is easily attached to formwork and/or the reinforcing cage. After the concrete has been poured and the formwork stripped, the design of the Rebox® allows for easy opening of the unit and access to the reinforcement bars ready for deployment.

Applications

Wall to floor connections
Wall to wall connections
Stair landing connections
Slab to slab connections
High rise lift and stair cores

Walk up apartments
Starter bars in precast and tilt up panels
Starter bars in slabs and footings for reinforced concrete walls
Starter bars in slabs and footings for reinforced block walls

Code Prefix: 552



Panels & Connections

Fasteners

Heavy Duty Panel Brace Anchor

- ♦ PBA Carbon Steel 8.8 Zinc Yellow
- ♦ Independently tested in accordance with the latest AS 3850.1:2015



Code	Description	Drilled Hole Dimension (mm)	Pack (pc)
543I20-115	M14 x 115mm Shank	Ø20 x 95	25

Drop-in Anchors

Code	Name	Thread	OD (mm)	Length (mm)	Finish
5430625	Drop In Anchor M6	M6	8	25	Zinc
5430830	Drop In Anchor M8	M8	10	30	Zinc
5431040	Drop In Anchor M10	M10	12	40	Zinc
5431040S6	Drop In Anchor SS316 M10	M10	12	40	SS 316
5431250	Drop In Anchor M12	M12	16	50	Zinc
5431250S6	Drop In Anchor SS316 M12	M12	16	50	SS 316
5431665	Drop In Anchor M16	M16	20	65	Zinc
5432025	Drop In Anchor M20	M20	25	96	Zinc
5432025G	Drop In Anchor M20 G	M20	25	80	Gal



Bolts

Thread	M12		M16			M20					CB			ZB	
Grade	4.6		4.6	8.8		4.6		8.8			4.6	8.8			
Length	Zinc	Gal		Zinc	Gal	Blk	Zinc	Gal	Zinc	Gal	Blk	Zinc	Zinc	Gal	Gal
30 mm	●														
50 mm	●						●	●	●	●		●	●		
55 mm							●	●	●	●			●	●	●
60 mm			●	●	●		●	●	●	●				●	●
65 mm	●														
75 mm								●			●				
75 mm Full	●										●				
90 mm				●		●									
100 mm				●		●									



♦ Any size available on special order

Hex Nuts

Standard and Nylon Insert

Thread	M6	M8	M10	M12	M16	M20	M24	M30
Finish & Grade								
Gal 4.6	●	●	●	●			●	
Zinc 4.6	●	●	●	●	●			
Gal 8.8					●	●	●	●
Zinc 8.8					●	●	●	●
Zinc 4.6 Nyloc					●			
SS-316							●	



Standard

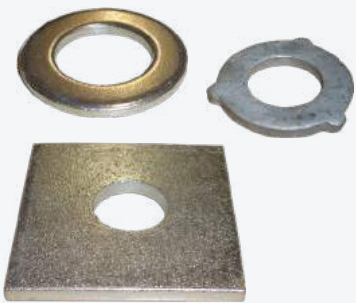


Nylon Insert

Washers

For Bolt	M6	M8	M10	M12	M16	M20	M24	M30
Round Gal	●	●	●	●	●	●	●	●
Round Zinc	●	●	●	●	●	●	●	●
Square Gal (50x 50 x 3)				●				
Square Gal (50x 50 x 6)					●			
Square Zinc (50 x 50 x 3)				●				
Square Zinc (65 x 65 x 5)						●		
Square Zinc (65 x 65 x 8)						●		

Code Prefix: Round: 553 & Square: 554



All Thread

Length	1.0 M				3.0 M		2.7 M	3.6 M
Finish	4.6		8.8		4.6			
Thread	Zinc	Gal	Zinc	Gal	Zinc	Gal	Zinc	Zinc
M6	●	●			●	●		
M8	●	●			●	●		
M10	●	●			●	●		
M12	●	●	●	●	●	●	●	●
M16	●	●	●	●	●	●		
M20	●	●	●	●	●	●		
M24	●	●	●	●	●	●		

Code Prefix: 551



Rod Cutters



♦ HIT RCB



♦ Master Finish RCB

Code	Name	Cutting Capacity (mm)
81.RC.HIT.1210	HIT Threaded Rod Cutter 10 & 12 mm	10 & 12
81.RC.HIT.16	HIT Rebar Cutter/Bender	16
741RCB	Master Finish Rod Cutter/Bender	16

Panels & Connections

Crack Repair Adhesives

Rockite

Replaces 'Epoxy' and 'Chemset'

ROCKITE is a fast setting, hydraulic type cement compound of more than twice the strength of fully cured conventional concrete. When mixed with water to pourable consistency it flows and seeps into place as though it were molten lava, but it can be used as putty for horizontal. It sets within 15 minutes, and within one hour it develops compression strength of 31MPa. Its adhesion is due to expansion and when fully set it grips metal to concrete permanently.

Code	Name
180001	Rockite 550g
180005	Rockite 2.5kg
180010	Rockite 5.5kg
180050	Rockite 25 kg

30 Mpa
In 15 Minutes



♦ For Starter Bars, Handrails etc.

MasterEmaco 2525

MasterEmaco 2525 is a solvent free, high performance, versatile epoxy binder that can be used to produce a range of epoxy resin based mortars. MasterEmaco 2525 can be applied to both dry and damp surfaces and adheres to most substrates after proper preparation.

Recommended uses

- ♦ Structural bonding of new to old concrete
- ♦ Production of epoxy resin mortars for floor toppings
- ♦ Production of epoxy resin mortars to grout bolt holes
- ♦ Steel bonding
- ♦ Rapid structural repair of concrete
- ♦ Grouting dowels
- ♦ Priming of concrete floors prior to applying Mastertop Flooring Systems and MasterSeal Membrane Systems to achieve structural bond

Benefits

- ♦ Adheres to wet or damp surfaces - wide application area
- ♦ Solvent free - low VOC and non-shrink
- ♦ Pre-proportioned packaging - no job site errors
- ♦ Multi-purpose binder
- ♦ Low viscosity - easy to apply as primer
- ♦ High abrasion and chemical resistance - can be used as wearing surface
- ♦ Approved to AS/NZS 4020:2002 - suitable for contact with potable water
- ♦ Cures hard at low temperatures - wide application range

Pure Epoxy Injection Adhesive

Solvent free epoxy binder and structural adhesive

A two part high performing epoxy injection system has low level VOC and provides extended gel /working times. The system is the best choice for threaded rod and reinforcing bar to solid base materials such as concrete. Recommended for use in diamond core drilled holes.

- ♦ Suitable for dry, wet and waterfilled holes.
- ♦ ETA approved for cracked concrete, core drilled holes, rebar and threaded rod.
- ♦ Fire resistance and Potable Water approval.
- ♦ Low VOC for green projects.
- ♦ Seismic C2 Certification.
- ♦ ETA Assessed for Threaded Rods M8 - M30
- ♦ Rebar Dowels Ø8 - 32 mm
- ♦ For Carbide & Diamond Drilled Holes
- ♦ For Cracked and Uncracked Concrete
- ♦ For Flooded Holes
- ♦ Fire Test Report
- ♦ Seismic Approval C2
- ♦ VOC Rating A+
- ♦ Leed Tested
- ♦ Slow Curing



♦ 544CDISP.MULTI

♦ 544PURE.585

Bis-P Fast Cure Styrene Free Polyester Injection Adhesive






A styrene free, medium duty, two part polyester injection system for anchoring threaded rod & rebar into concrete, hollow brick and block.

- ♦ Installation in Non-Cracked Concrete C20/25 to C50/60 according to EN 206-1:2000 and SA TS 101:2015
- ♦ For Static and quasi static loading
- ♦ In Dry, Wet & Flooded Holes
- ♦ Structures subject to dry internal and permanent damp internal conditions.
- ♦ Structures subject to external atmospheric exposure.
- ♦ Overhead Installation allowed




♦ 544POLY.420

Floor Levellers




Name	Details
MasterTop 510 Self-levelling Cementitious Floor Underlayment <ul style="list-style-type: none"> 8P.MB.810 	<p>MasterTop 510 is a self-levelling, cementitious, non-structural, floor underlayment intended for use over poured in-situ and precast concrete floors which will be covered by carpet, vinyl, ceramic tiles, natural stone or timber. Only water needs to be added at the job site to obtain the desired consistency for pumping or manual installation. One 20kg bag of MasterTop 510 yields 12.2 litres. Maximum thickness should be 30mm.</p> <p>Advantages:</p> <ul style="list-style-type: none"> Highly fluid and pumpable – fast installation Rapid strength gain – return to service in 24 hours Economical – low installed cost Resistant to cracking – long life of the floor Fast setting – ready for foot traffic after 3-4 hours to reduce time floor inaccessible Multi-purpose – suitable for most carpet and tile adhesives
MasterTop 1600 Primer for MasterTop Floor Levelling Products <ul style="list-style-type: none"> 8P.MB.6100-0005 (5Kg Kit) 8P.MB.6100-0020 (20Kg Kit) 	<p>MasterTop 1600 is an acrylic copolymer emulsion for priming and bonding of cementitious floor levelling compounds. It is recommended for use as a primer for cementitious floor levelling products. One litre of MasterTop 1600 when diluted with 3 litres of water will prime approximately 25m².</p> <p>Advantages:</p> <ul style="list-style-type: none"> Excellent adhesion to concrete (durable bond for levelling products) Economical Pore sealer (prevents air bubbles rising through the applied levelling compound) Fast and easy application (brush, roller or squeegee)
Tru Level Econo Pro Self-Smoothing General Purpose Cementitious Underlay <ul style="list-style-type: none"> 8P.T.TRULVLEPRO 	<p>Tru Level Econo Pro is a specially formulated floor leveling compound designed to achieve a smooth flat surface for application of carpet, tiles, vinyl and floating floor systems. Can be applied from 2mm – 30mm in a single application. A 20kg bag of Econo Pro will yield approx. 13 litres.</p> <p>Product Usage:</p> <ul style="list-style-type: none"> As a general purpose economical underlayment for carpet, vinyl, tiles, timber floors Reinstatement of uneven concrete slabs/ floors Leveling defective concrete that does not meet requirements of after trades such as vinyl, tiles carpet Rapid repairs with minimal down time Use in commercial, domestic and light industrial applications
Tru Level Bulk Fill High Build, Self-Leveling Cementitious Flooring Underlay <ul style="list-style-type: none"> 8P.T.TRULVLBFILL 	<p>Tru Level Bulk Fill is a specially formulated floor leveling compound designed to achieve a high build flat surface for application of carpet and tiles. Can be applied from 5mm – 200mm in a single application.</p> <p>Tru Level Bulk Fill is designed to be applied in thick applications and achieve a stable crack free surface. Coverage rate: 5-7 square meters per litre. A 20kg bag at 3.0 litres water per bag will yield approx. 12 litres.</p> <p>Product Usage:</p> <ul style="list-style-type: none"> As a general purpose economical underlayment for As a high build economical underlayment for carpet and tiles Reinstatement of uneven concrete slabs/ floors Leveling defective concrete that does not meet requirements of after trades such as tiles and carpet Rapid repairs with minimal down time Use in commercial, domestic and light industrial applications
Tru Level Tuff Top Self-Smoothing High Performance Cementitious Overlay for Internal/ External Application <ul style="list-style-type: none"> 8P.T.TRULVLTOP 	<p>Tru Level Tuff Top is a specially formulated floor leveling compound designed to achieve a smooth flat surface for application of tiles, vinyl timber floors and floating floor systems. The maximum thickness applied in any application should be limited to 30mm. A 20kg bag of Tuff Top will yield 13 litres.</p> <p>Tru Level Tuff Top is designed as a stand alone overlay for internal / external application.</p> <p>Product Usage:</p> <ul style="list-style-type: none"> As a high performance underlayment for vinyl, tiles, timber floors As a final wearing course overlay Reinstatement of uneven concrete slabs/ floors Leveling defective concrete that does not meet requirements of after trades such as vinyl, tiles, timber Rapid repairs with minimal down time Use in commercial, domestic and industrial applications as an overlay Driveways Internal or external applications

Construction Grout




Name	Details
MasterFlow 700 Cementitious general purpose non-shrink construction grout <ul style="list-style-type: none"> 8P.MB.700 	<p>Ready-to-use premixed grout for normal load bearing. May be placed in dry (damp) packed, plastic or fluid consistency and is generally used in applications requiring a grout thickness between 12mm and 100mm.</p> <p>Advantages:</p> <ul style="list-style-type: none"> Damp packable Complete void filling Non staining No added chlorides

Panels & Connections

Construction Grout

Name	Details
Master Flow 810 <i>High Strength Non-shrink Precision Grout</i> ♦ 8P.MB.810 	<p>Non-shrink high strength grout for better load bearing. Formulated to provide ample working time when mixed and placed at flowable consistency. Able to completely fill voids between 10mm and 100mm. Yield per 25Kg bag: 12.5 litres to 13.5 litres.</p> <p>Advantages:</p> <ul style="list-style-type: none">♦ Good early and ultimate strengths♦ Hardens free of bleeding, settlement and drying shrinkage♦ Flowable consistency♦ Up to 1 hour working time♦ Easy to use♦ No added chlorides
Penaflow Panel Grout <i>General Purpose Non Shrink Class A Cementitious Grout</i> ♦ 8P.TW.CGR 	<p>Aftek Penaflow Panel Grout is a Class A construction grout based on a blend of Portland cement, high quality graded aggregates and additives, which control expansion whilst the grout is in a plastic state. Yield per bag: 10.3 litres to 11.0 litres.</p> <p>Product Usage:</p> <ul style="list-style-type: none">♦ General purpose grout♦ Grouting underneath precast panels and concrete sections♦ Anchor bolts filling♦ Filling in cavities, gaps and base infill's♦ Filling in core holes created in panels by core drilling♦ Suitable for block work in core filling
Penatech GP Grout <i>High Strength Class C Cementitious Grout</i> ♦ 8P.TW.GP20 	<p>Aftek Penatech GP Grout is a high strength, precision Class C grout. Non shrink dual expansion compensates for shrinkage in both the plastic and hardened state.</p> <p>Penatech GP complies with US Corp of Engineers Specification of non-shrink grout, CRDC 621-82A and ATSM C1107-91 (Type C). Yield per bag: 10.2 litres to 11.0 litres.</p> <p>Product Usage:</p> <ul style="list-style-type: none">♦ Machine base plates where critical grouting application is required♦ Applications subject to dynamic loads and where continuous vibrations is present♦ Bridge bearing pads♦ Crane rail sole plates♦ Pre-cast concrete sections/ panels♦ Anchor bolt fillings♦ Filling in core holes, cavities, gaps and base infill's♦ High performance structural grouting

Patch Repair

Name	Details
MasterEmaco N 5100 <i>Thin Layer Fairing Mortar</i> ♦ 8P.MB.5100 	<p>For thin layer patching up to 3mm thick. Quick and easy to apply, excellent bonding, durable, shrinkage compensated. Good base layer for coatings and panels.</p> <p>Advantages:</p> <ul style="list-style-type: none">♦ Smooth final surface♦ Good base layer for coatings and panels♦ Can be feather-edged♦ Water and weatherproof♦ For vertical and overhead work
MasterEmaco N 102 CI <i>Lightweight polymer modified repair mortar</i> ♦ 8P.MB.102CI 	<p>MasterEmaco N102 CI is a non-structural, single component, polymer modified, repair and reprofiling mortar. MasterEmaco N102 CI when mixed with water is a mortar that contains special cements, graded sands, selected polymers to allow the mortar to be hand or trowel applied in thicknesses from 5 up to 100 mm.</p>
MasterEmaco S 5400 CI <i>High strength structural repair mortar</i> ♦ 8P.MB.5400CI 	<p>MasterEmaco S 5400 CI is a single component, extra high-strength, high modulus, shrinkage compensated structural repair mortar that meets the requirements of the new European Norm EN 1504 Part 3 class R4. MasterEmaco S 5400 CI contains Portland cement, graded sands, selected polymer fibres and special additives to significantly reduce the risk and incidence of shrinkage cracking. When mixed with water, it forms a highly thixotropic mortar that can easily be spray or trowel applied.</p>

Patch Repair

Name	Details
High Build Repair Mortar <i>Cementitious repair mortar for vertical or overhead repairs</i> <ul style="list-style-type: none"> 8PT.HB 	<p>HB Repair Mortar is a fine filled, light weight, cementitious mortar, specifically formulated for the repair of damaged concrete where a high build is required. The specially selected cements and polymers contained in HB Repair Mortar allow the buildup of 70mm without slump and exceptional adhesion to concrete and masonry materials with negligible shrinkage.</p> <p>Advantages:</p> <ul style="list-style-type: none"> High Build – up to 70mm Fast setting Durable Excellent adhesion Low permeability
Aftek	
Penapatch Panel LW <i>High Build Polymer Modified Light Weight Repair Mortar</i> <ul style="list-style-type: none"> 8PT.PATCHUL-GREY 8PT.PATCHUL-WH (White) 8PT.PATCHUL-OW (Off White) 	<p>Penapatch Panel LW is a fine filled, polymer modified, cementitious mortar, specifically formulated to provide cover for joiner plates in tilt slab or pre-cast construction. Panel LW is also used for repair of damaged concrete. The light weight aggregates used in Panel LW allow for a build up to 100mm in one application.</p> <p>The specially selected cements and polymers contained in Panel LW provide a mortar with strong adhesion to concrete and masonry on vertical substrates with negligible shrinkage. Panel Patch LW requires the addition of water only.</p> <p>Panel LW may be sanded to produce a smooth surface texture prior to painting or application of a render.</p> <p>Product Usage:</p> <ul style="list-style-type: none"> Patching repairs and covering metal joining plates in tilt up or pre-cast panels Repairing any damaged concrete or pre-cast or tilt-up panels that is non-structural Repairs requiring high build application up to 100 mm for vertical applications General high build repairs where a non-structural repair mortar is required
Aftek	
Fairing Coat Mortar <i>Cementitious fairing coat for pre-cast and off-form concrete</i> <ul style="list-style-type: none"> 8PTW.FCM 	<p>Fairing Coat Mortar is a fine textured, fast setting formulated for repair of damaged concrete where only a thin layer is required. The specially selected cement and polymer contain Fairing Coat Mortar produce a fast setting mortar with exceptional adhesion to concrete and masonry materials with negligible shrinkage. A 20 kg bag of Fairing Coat Mortar will cover approximately 4 m2 at an average thickness of 3mm.</p> <p>Aftek Fairing Coat Mortar cures to an exceptionally smooth textured surface that does not reflect through subsequent applied architectural coatings.</p> <p>Product Usage:</p> <p>Fairing Coat Mortar can be applied up to 5mm in a single application.</p> <ul style="list-style-type: none"> Fairing Coat to infill over surface imperfections on concrete Repair to defects in concrete surface For use of vertical application Can be applied over other Aftek mortars to produce a smooth uniform surface Stand alone or left exposed application that does not require an additional coating Internal and external application
Aftek	
Fastset C <i>Fast setting repair mortar for concrete pavements and floors</i> <ul style="list-style-type: none"> 8PTW.FASTC 	<p>Fastset C is a pre-packed cementitious mortar specifically formulated for the quick and reliable repair of damaged concrete pavements and industrial floors. The specially selected cements and hard wearing aggregates contained in Fastset C allows the application of large areas with exceptional adhesion to concrete and masonry materials with negligible shrinkage. Fastset C may be used as a trafficable topping for existing concrete surfaces.</p> <p>Advantages:</p> <ul style="list-style-type: none"> Good adhesion High Strength Easy application Durable Accepts pedestrian and vehicular traffic
Aftek	

Panels & Connections

Caulking Products

Caulking Material

Name	Description
BOSTIK Fireban Firecaulk 600 gms Sausages (Cartons of 20) / 10 L Pail ♦ 8P.B.C.FC.600	Bostik Firecaulk is a single component, waterbased acrylic sealant specifically manufactured for sealing interior joints capable of up to 25% (+/- 12.5%) movement of the original joint width in masonry and plasterboard to provide a fire barrier for periods up to 4 hours.
BOSTIK Fireban One 600 gms Sausages (Cartons of 20) / 10 L Pail ♦ 8P.B.C.FBAN.600.GR	Bostik Fireban One is a single component, fire rated, low modulus Class A polyurethane sealant for external use. When cured it will form a tough, flexible seal capable of cyclic expansion and compression movement of 50% (25%) of the original joint width and is fire rated for upto 4 hours. Fireban One is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, sleet, ultra violet radiation, ozone, atmospheric contamination and pollution.
BOSTIK Seal N Flex FC 600 gms Sausages (Cartons of 20) / 10 L Pail	Bostik Seal N Flex FC is a fast curing, high performance one component polyurethane elastomeric joint sealant/adhesive. When fully cured Seal N Flex FC will provide a tough, flexible seal capable of cyclic expansion and compression to 50% (25%) of original joint width without primer on most substrates. Seal N Flex FC is unaffected by ultra violet radiation, atmospheric contamination or pollution.
BOSTIK Seal Flex 1 600 gms Sausages (Cartons of 20) / 10 L Pail ♦ 8P.B.SFL1.GR	Bostik Seal N Flex 1 is a low modulus, one component, Class A polyurethane sealant. When cured it will form a tough, flexible seal capable of cyclic expansion and compression movement of 50% (+/-25%) of the original joint width. Seal N Flex 1 is virtually unaffected by normal weathering conditions such as rain, sunlight, snow, ultra violet radiation, ozone, atmospheric contamination and pollution.
FulaFlex 550 PU LM ♦ 8P.HB.550PUG	Fulaflex 550 PU LM is a one-component moisture-curing low modulus Class A polyurethane sealant with excellent joint movement capabilities. It cures into a flexible, durable and weather resistant sealant and exhibits excellent adhesion to a wide range of substrates. Fulaflex 550 PU LM is low in VOC (<60g/L) and satisfies the requirements for the Green Building Council of Australia (GBCA).
Foam Filler Polyurethane Expanding Foam ♦ 8P.TW.FFM	Foam Filler is a one part, moisture curing polyurethane foam sealant supplied in aerosol cans. Foam Filler is easy to install and will expand to fill gaps of all dimensions, and in most difficult locations. Foam Filler cures to a semi rigid closed cell, flexible foam, resistant against ageing, heat or cold. Foam Filler is recommended for sealing around window and door frames in accordance with Building Code of Australia – BCA 2009.

Sausage Guns

Code	Name
742MSG	Masonry Hardware 600 ml Sausage Gun – Aluminium Tube
8MH.SGUN.NOZ	600 ml Sausage Gun NOZZLE



Silicon

Code	Name	Colour	Pack
8SILICON.RG2	Roof & Gutter	Clear	20 x 300 ml Tubes

- ♦ Roof & Gutter Silicon Mixed Colours: End of run colours are packaged in mixed boxes, functionally the same as clear silicon but at reduced prices.



Backing Rod

Round Backing Rod

Closed Cell		Open Cell		Dia (mm)
Code	Pack (M)	Code	Pack (M)	
8BROD06W	250	-	-	6
8BROD10W	250	8BRODOC10	200	10
8BROD15W	50	8BRODOC15	150	15
8BROD20W	50	8BRODOC20	60	20
8BROD25W	50	8BRODOC25	80	25
8BROD30W	50	8BRODOC30	60	30
8BROD40W	2	8BRODOC40	30	40
8BROD50W	2	8BRODOC50	20	50



Square Backing Rod - Open Cell

Adhesive one side

Code	Name	Size (mm)	Pack (LM)
8BRODS3020-HD	Backing Rod 30 x 20 mm	20 x 30	300
8BRODS3030-HD	Backing Rod 30 x 30 mm	30 x 30	200
8BRODS3050-HD	Backing Rod 30 x 50 mm	50 x 30	200
8BRODS4040-HD	Backing Rod 40 x 40 mm	40 x 40	150
8BRODS5050-HD	Backing Rod 50 x 50 mm	50 x 50	100
8BRODS7550-HD	Backing Rod 75 x 50 mm	75 x 50	100



EPDM Rubber

Custom sizes available

Code	Name	Size (mm)	Pack (M)
8EPDM.19.19	EPDM Rubber 19x19	19 x 19	30
8EPDM.25.25	EPDM Rubber 25x25	25 x 25	30
8EPDM.25D	EPDM Rubber 25 DIA - Sponge Rubber	Ø 25	50
8EPDM.35D	EPDM Rubber 35 DIA - Sponge Rubber	Ø 35	50



Need a Waterproof Joint?

Sealing Plug

Patented water swellable plug for a perfect seal of formwork spacers



Sealing UFO

Watertight sealing of concrete cracks around formwork spacers



Sealing Connector

Watertight sealing of tie rods



Sealing Connector

with Closing Strip
Watertight sealing of tie rods



Swellable Paste

Expands up to 450% upon contact with water



Fixing Glue

Fast and strong fixation of hydrophilic profiles to concrete



Panels & Connections

Insulated Sandwich Panel Systems

HK Composite Panel Ties

HK Ties can be easily used in precast or tilt-up panels. The outside facade layer is poured first and while fresh, the foam layer is placed over this layer and ties are inserted through the foam into the facade layer.

After the facade is cured, the structural panel is build as per the structural requirement. A most common configuration is 150 mm structural panel, 50 mm foam, & 50 mm facade.

Tensile Strength	5330 MPa
Pullout Strength	4890 MPa
Shear Strength	4045 MPa
Panel Shear Capacity	2220 MPa/tie
Alkaline Resistance	Excellent
Impact Resistance	Excellent
Thermal Conductivity	0.35 W/m ² K
Diameter Through Foam	12.5 mm

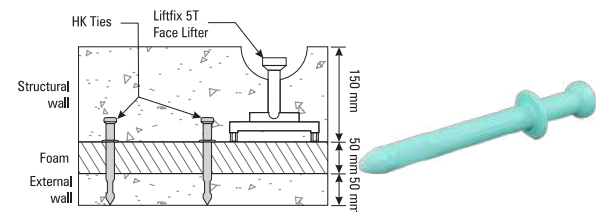
- ♦ Full Specifications & Approval Certificates Available
- ♦ Design Manual Available

**Increase Your
Greenstar Rating
Performance in Precast
and Tilt-up Construction**



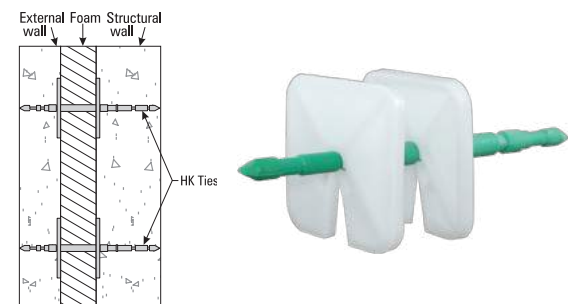
HK Ties for Horizontal Panels

Code	Name	For Foam (mm)	Length (mm)	Pack (pc)
4HK.ST50	HK Ties 50	50	135	1000
4HK.ST60	HK Ties 60	60	146	900
4HK.ST75	HK Ties 75	75	160	600
4HK.ST100	HK Ties 100	100	184	600
4HK.ST150	HK Ties 150	150	235	450
4HK.ST200	HK Ties 200	200	289	200



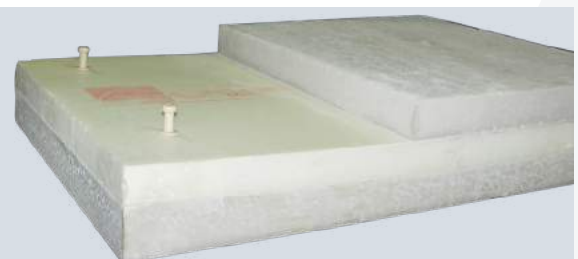
HK Ties for Vertical/Insitu Panels (special order)

Code	Name	For Foam (mm)	Length (mm)	Pack (pc)
4HK.VP50	HK Vertical Ties 50	50	135	1000
4HK.VP60	HK Vertical Ties 60	60	146	900
4HK.VP75	HK Vertical Ties 75	75	160	600
4HK.VP100	HK Vertical Ties 100	100	184	600
4HK.VP150	HK Vertical Ties 150	150	235	450
4HK.VP200	HK Vertical Ties 200	200	289	200



Why do customers love HK Ties ?

It's simple – you can use your own choice of foam supplier and the foam doesn't need to be predrilled. The unique design of the HK Ties enables it to pierce the foam as required.



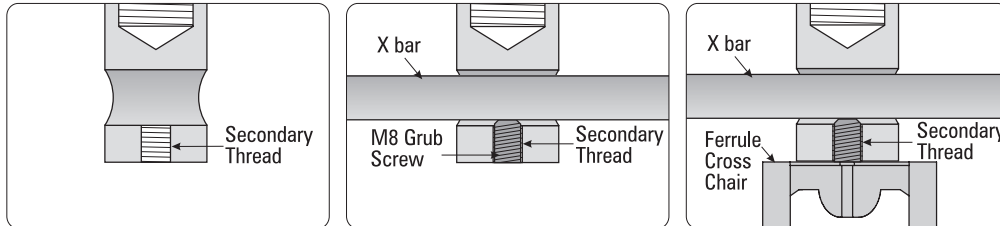


Altas Metric Ferrules & Couplers	Duo & Bigfoot Ferrules, Pressed Tube Ferrules, Double End Ferrules, Couplers, Plastic Ferrules	96
Altas Tie Bar Ferrules, Couplers & Tie Bars	Tie Bar Ferrules, Couplers, Hex Nuts & Foot Plates, Tie Bars	100
Altas Coil Bar & Z-Bar Ferrules, Couplers & Bars	Coil Bar Ferrules and Couplers, Z-Bar Ferrules and Couplers, Coil Bars, Cross Bars for Ferrules	101
Ferrule Accessories	Ferrule Nailing and Glue Plates, Metric Antennae Caps, Ferrule Patch, Tie Bar Nailing Plates, Tie Bar Antennae Caps, DS Glue Dots/Tape	102
Ferrule Chairs	Altas Ferrule Chairs Screw-On, Altas Ferrule Chairs With Fins, Ferrule Support Chairs, ALTAS Ferrule Cross Chair.	103
Liftfix Foot Anchors & Foot Eye Anchors	Liftfix Foot Anchors & Foot Eye Anchors (HGD, SS-316, SS-304), Void Formers and Accessories	104
Altas Face Lifters	Liftfix and Ringlift Face Lifters, Adjustment Feet, Void Cover, Wire Bar Guide	107
Altas Edge Lifters	TKA Edge Lift Anchors, Ringlift Hair Pin Edge Lifter, Ringlift Hair Pin Edge Lifter Void Former & Fixing Plate, Shear Bar & Hanger Bar	108
Altas Lifting Clutches	Liftfix Lifting Clutch, Clutch Locks, Ringlift Edge Lifting Clutch	110
Utility Anchor Lifting System	Anchors, Void Formers & Fixing Plates	111
Lifting Loops	Cast-In Loops, Standard Lifting Loops, Wire Loop with Forged Head- Goliath	112
Small Product - Pit Lid Lifters	Hebefix, Transfix	112

Fixing & Lifting

Why Choose **ALTAS FERRULES**

All ALTAS ferrules have a patented second thread at the opposite end allowing ALTAS ferrules to be connect to reinforced bar, cross chair or other formwork attachments, using simple set screws instead of welding or tie wire.



We have the largest range and we keep stock. ALTAS ferrules offer the widest range of cast in inserts, offering threads from M8 to M24 and finishes including zinc, galvanized, stainless steel grades and plastic. Custom Sizes can also be made on request.

All ALTAS Ferrules have ALTAS Icon, Thread Size and Heat Number stamped



Ordering Codes

Duo Ferrules & Couplers

5	096	20	.F	.Z	R
Prefix	Length	Thread	Type	Material	Shape
509620.F.ZR = M20 x 96 Zinc Round Duo Ferrule					

Thread	Code	Type	Code	Material	Code	Shape	Code
Metric - Use Bolt diameter		Ferrule	F	Zinc	Z	Round	R
Z-Bar	ZB	Coupler	C	Gal	G	Hex	H
Coil Bolt	CB			SS 316	S6	Bigfoot	BF

Double End Ferrules

5	140	20	.DEF	.Z	H
Prefix	Length	Thread	Type	Material	Shape
514020.DEF.ZH = M20 x 140 Zinc Hex Double Ended Ferrule					

Thread	Code	Material	Code	Shape	Code
Metric - Use Bolt diameter		Zinc	Z	Hex	H
		Gal	G		

Pressed Tube Ferrules

52PTF	20	-	100	Z	BE
Prefix	Thread		Length	Material	Shape
52PTF20-100ZBE = M20 x 100 Zinc Bent End Pressed Tube Ferrule					

Thread	Code	Material	Code	Shape	Code
Metric - Use Bolt diameter		Zinc	Z	Straight	S
		Gal	G	Bent End	BE
		SS 304	S4		
		SS 316	S6		

Tie Bar Ferrules Range

52TB	20	096	.F	.Z	BF
Prefix	Thread	Length	Type	Material	Shape
52TB20096.F.ZSB = TB20 x 96 Zinc Bigfoot Tie Bar Ferrule					

Thread	Code	Type	Code	Material	Code	Shape	Code
Use Bar diameter		Ferrule	F	Zinc	Z	Round	R
		Coupler	C	Gal	G	Hex	H
		Nut	N	SS 304	S4	Bigfoot	BF
		Foot Plate	P	SS 316	S6		

ALTAS DUO & BIGFOOT FERRULES

ALTAS Duo & Bigfoot Zinc Ferrules

Custom Sizes Available

Length	M10			M12			M16			M20			M24		
	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF
40 mm					●										
45 mm			●												
50 mm						●									
60 mm	●														
65 mm				●		●	●		●	●			●		
76 mm				●		●	●		●	●		●			
96 mm				●		●	●		●	●		●	●	●	●
120 mm												●			●

Rnd: Round Ferrule, Hex: Hexagonal Ferrule, BF: Bigfoot Ferrule

ALTAS Duo & Bigfoot Gal Ferrules

Custom Sizes Available

Length	M10			M12			M16			M20			M24		
	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF	Rnd	Hex	BF
40 mm		●			●										
45 mm			●												
50 mm		●				●									
60 mm	●														
65 mm	●			●		●	●		●	●			●		
76 mm				●		●	●		●	●		●	●		
96 mm				●		●	●		●	●		●	●	●	●
120 mm												●			●

Rnd: Round Ferrule, Hex: Hexagonal Ferrule, BF: Bigfoot Ferrule

ALTAS Duo & Bigfoot Stainless Steel (316) Ferrules

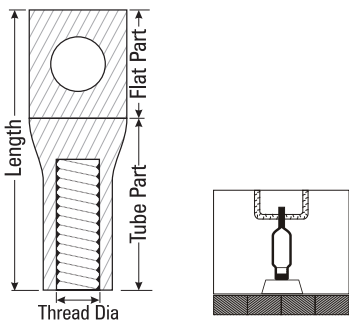
Custom Sizes Available

Length	M8	M10		M12		M16		M20		M24		M30
	Rnd	Rnd	BF	Rnd	BF	Rnd	BF	Rnd	BF	Rnd	BF	Rnd
40 mm	●	●		●								
45 mm			●									
50 mm		●		●	●							
55 mm					●							
60 mm												
65 mm				●	●	●	●					
76 mm				●	●		●		●			
96 mm				●	●	●	●	●	●	●	●	●
120 mm								●			●	●

Rnd 316: SS 316 Round Ferrule, BF 316: SS 316 Bigfoot Ferrule

Fixing & Lifting

ALTAS *PRESSED TUBE FERRULE*



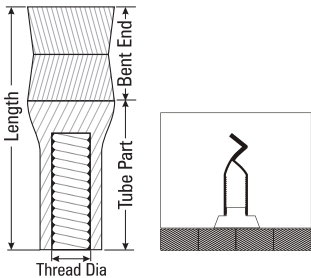
ALTAS Pressed Tube Straight Ferrules

Length	M6			M8			M10			M12			M16			M20			M24	
	Zinc	Gal	SS	Zinc	Gal	SS	Zinc	Gal	SS	Zinc	Gal	SS	Zinc	Gal	SS	Zinc	Gal	SS	Zinc	SS
40 mm			●	●	●															
45 mm							●		●											
55 mm										●		●								
60 mm							●			●	●	●								
80 mm													●	●	●	●		●		●
96 mm														●	●	●	●			●

Zinc: Zinc Plated, Gal: HDG, 304/316: Stainless Steel 304 & 316

ALTAS Pressed Tube Bent End Ferrules

Length	M12			M16	
	Zinc	Gal	SS	Zinc	Gal
60 mm	●	●		●	●
70 mm	●	●		●	●
80 mm				●	

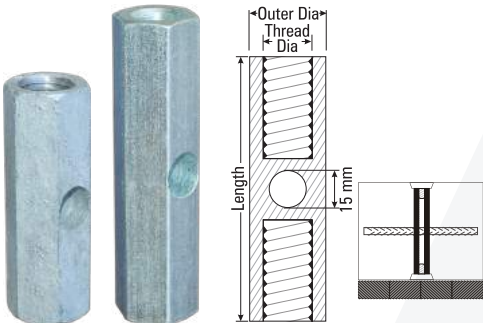


Zinc: Zinc Plated, Gal: HDG, SS: Stainless Steel 304

ALTAS *DOUBLE END FERRULE*

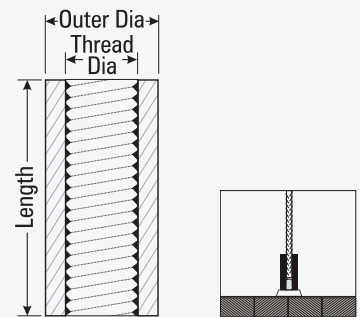
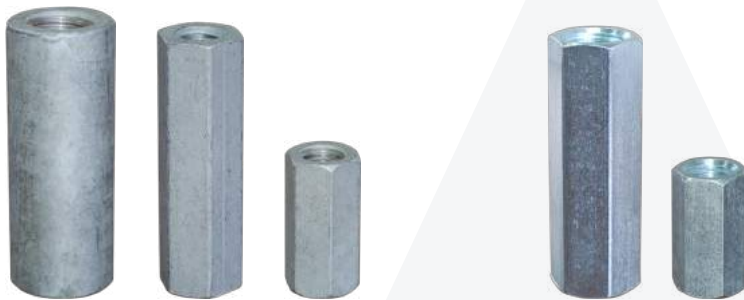
ALTAS DE Ferrule Hex

LENGTH	M16		M20	
	Zinc	Gal	Zinc	Gal
85 mm	●	●	●	●
110 mm	●			
130 mm	●	●	●	●
140 mm	●	●	●	●



All ALTAS Ferrules can be joined back to back to make custom sizes

ALTAS COUPLERS



ALTAS Zinc Couplers

Custom Sizes Available

Length	M10		M12		M16		M20		M24		M30	
	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex
40 mm		●		●								
50 mm				●		●		●	●	●		
60 mm										●		
76 mm				●		●		●		●		
96 mm						●		●	●	●		●
120 mm										●		●

ALTAS Gal Couplers

Custom Sizes Available

Length	M10		M12		M16		M20		M24		M30	
	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex	Rnd	Hex
40 mm		●		●								
50 mm				●		●		●	●	●		
60 mm												
76 mm				●		●		●	●	●		
96 mm						●		●	●			●
120 mm										●		●

ALTAS Stainless Steel Couplers

Custom Sizes Available

Length	M10		M12		M16		M20		M24		M30	
	Rnd 304	Rnd 316	Rnd 304	Rnd 316	Rnd 304	Rnd 316	Rnd 304	Rnd 316	Rnd 304	Rnd 316	Rnd 304	Rnd 316
50 mm			●	●								
96 mm			●				●	●				
120 mm												●

Fixing & Lifting

ALTAS TIE BAR FERRULES

Can be used in coarse threaded connections

ALTAS Tie Bar Bigfoot Ferrules - 8.8 Grade

Length	TB12		TB16		TB20		TB25		TB32	
	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal
76 mm	●*									
96 mm	●*	●*	●	●	●	●				

* No Cross Hole

ALTAS Tie Bar Hex Couplers - 8.8 Grade

Length	TB12		TB16		TB20		TB25		TB32	
	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal
96 mm	●	●	●	●	●	●				
120 mm					●	●				

ALTAS Tie Bar Hex Nuts - 8.8 Grade

Length	TB12		TB16		TB20		TB25		TB32	
	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal
40 mm	●	●								
45 mm			●	●						
50 mm					●	●				

ALTAS Tie Bar Foot Plate - 8.8 Grade

Length	TB12		TB16		TB20		TB25		TB32	
	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal	Zn	Gal
40 mm	●	●								
50 mm			●	●	●	●				

Tie Bars

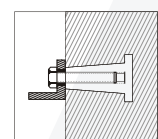
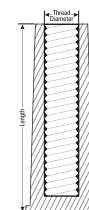
Code	Description	Bar Dia	Length (mm)
5MTB12-054	TB12 Tie Bar - 540 mm long	TB12	540
5MTB16-066	TB16 Tie Bar - 660 mm long	TB16	660
5MTB20-850	TB20 Tie Bar - 850 mm long	TB20	850



♦ Custom Lengths Available

ALTAS OPTIFIX NYLON FERRULE

Code	Name	Thread	Length (mm)
52OPT06	Optifix 06	M6	23
52OPT08	Optifix 08	M8	30
52OPT10	Optifix 10	M10	37
52OPT12	Optifix 12	M12	44
52OPT16	Optifix 16	M16	58



ALTAS CB & ZB RANGE

ALTAS Coil Bar Ferrules and Couplers

Code	Name	Length (mm)	Pack (pc)
5050CB.C.ZH	CB x 50 Zinc Hex Coupler	50	50
5096CB.F.ZH	CB x 96 Zinc Hex Ferrule	96	50
5096CB.F.ZR	CB x 96 Zinc Round Ferrule	96	50
5096CB.F.ZSB	CB x 96 Zinc Bigfoot Ferrule	96	50

ALTAS Z-Bar Ferrules

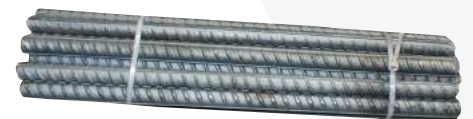
Code	Name	Length (mm)	Pack (pc)
5096ZB.F.ZH	ZB x 96 Zinc Hex Ferrule	96	50
5096ZB.F.ZBF	ZB x 96 Zinc Bigfoot Ferrule	96	50

Coil Bars

Code	Description	Bar Dia (mm)	Length (mm)
5MCB6.0	Coil Bar 6.0M	16	6000
5MCB3.0	Coil Bar 3.0M	16	3000

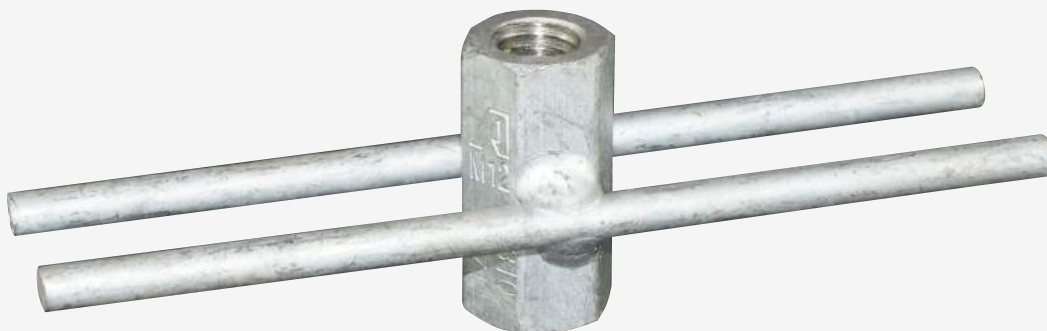
Cross Bars for Ferrules

Code	Description	Bar Dia (mm)	Length (mm)
5CB08-300	N8 x 300 Cross Bar	8	300
5CB10-300	N10 x 300 Cross Bar	10	300
5CB12-300	N12 x 300 Cross Bar	12	300



Custom Ferrules and Couplers

We can make any custom ferrule or coupler you require in any material or finish. Please send us your drawing for quotation and we can revert with quick pricing.



Fixing & Lifting

Ferrule Accessories

Ferrule Nailing and Glue Plates



♦ Ferrule Nailing Plates - 50 mm Dia [1]



♦ Nail Plates - 60 mm Dia [2]



♦ Ferrule Locators [3]



♦ Glue Nailing Plates - Standard - 60 mm Dia [4]



♦ Glue Nailing Plates Adhesive Back - 60 mm Dia [5]



♦ Push Fit Nailing Plates - Standard [6]



♦ Push Fit Nailing Plates Adhesive Back [7]

Thread	Ferrule Nailing Plates [1]	Nail Plates [2]	Ferrule Locators [3]	Glue Nailing Plates [4] (Standard)	Glue Nailing Plates [5] (Adhesive Back)	Push Fit Nailing Plates [6] (Standard)	Push Fit Nailing Plates [7] (Adhesive Back)
M8	53NP08S	-	-	-	-	-	-
M10	53NP10S	-	-	-	-	-	-
M12	53NP12S	53NP12	53FL12	53GPL12	53GPL12+	53PP12	53PP12+
M16	53NP16S	53NP16	53FL16	53GPL16	53GPL16+	53PP16	53PP16+
M20	53NP20S	53NP20	53FL20	53GPL20	53GPL20+	53PP20	53PP20+
M24	53NP24S	53NP24	53FL24	53GPL24	53GPL24+	53PP24	53PP24+
M30	53NP30S	-	-	-	-	-	-
Z-Bar	-	53NPDG15	-	-	-	-	-
Coil Bolt	-	53NPCB	-	-	-	-	-

Metric Antennae Caps



♦ Protects thread

Code	Name	Suits Thread
53AC12	AC 12	M12
53AC16	AC 16	M16
53AC20	AC 20	M20
53AC24	AC 24	M24

Ferrule Patch



♦ For Sealing Prop Hole in Panel

Code	Name	Suits Thread
53FP16	Ferrule Patch 16	16
53FP20	Ferrule Patch 20	20

Tie Bar Antennae Caps



♦ Protects thread

Code	Name	Suits Thread
53ACTB12	AC TB 12	TB12
53ACTB16	AC TB 16	TB16
53ACTB20	AC TB 20	TB20
53ACTB25	AC TB 25	TB25

Tie Bar Nailing Plates

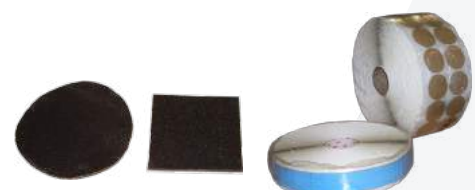


♦ 60 mm Dia

Code	Name	Suits Thread
53NP.T12	Nail Plate TB12	TB 12
53NP.T16	Nail Plate TB16	TB 16
53NP.T20	Nail Plate TB20	TB 20
53NP.T25	Nail Plate TB25	TB 25

DS Glue Dots/Tape

Code	Name	Pack (Pc.)
46DSD62	Double Sided Dots 62 mm Dia	1300



See page: 41 for all other dots and tapes

Ferrule Chairs

ALTAS Ferrule Chairs Screw-On

- Marker for accurate placement
- Small footprint
- Wider base for stability
- Suits all Duo & Bigfoot ferrules

Code	Name	Height (with 96 mm Ferrule)	Pack (pc)
5FCS150	Altas Ferrule Chair Screw-on 150	150 mm	50
5FCS175	Altas Ferrule Chair Screw-on 175	175 mm	50
5FCS200	Altas Ferrule Chair Screw-on 200	200 mm	50

All other heights can be achieved by using adjustment feet. Adjustment Feet available in 5.0, 6.35, 10.0, 12.7, 19.5, 20.0 & 25.4 mm

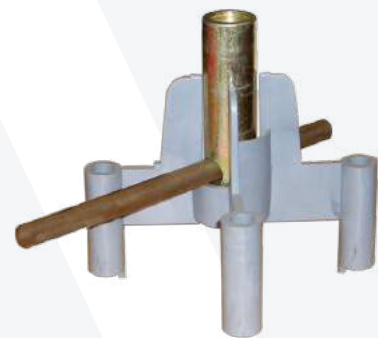


NEW

Ferrule Support Chairs

Pack - 50

Code	Name	Panel Height with Ferrule	
		96 mm	76 mm
5FCM125	Ferrule Chair 125	125 mm	100 mm
5FCM145	Ferrule Chair 145	145 mm	120 mm
5FCM150	Ferrule Chair 150	150 mm	125 mm
5FCM175	Ferrule Chair 175	175 mm	150 mm
5FCM195	Ferrule Chair 195	195 mm	170 mm
5FCM200	Ferrule Chair 200	200 mm	175 mm



- Works with Round & Hex Ferrules

ALTAS Ferrule Cross Chair

- ALTAS Ferrule Cross Chair works with all ALTAS Duo & Bigfoot Ferrules via the patented second threaded hole at the rear of the ferrules. This allows for a quick threaded connection to accurately secure the ferrule to the chair and also allow for fine adjustment of the ferrule height relative to the edge form.
- Standard heights are 45 mm & 75 mm for 150 mm and 175 mm panels respectively, but custom heights are available.
- Works with all ALTAS Duo & Bigfoot Ferrules
- Any size can be made to order

Code	Name	Size (mm)	Panel Height with Ferrule		
			65 mm	76 mm	96 mm
5FCC045	FCC 45	45	115	125	150
5FCC050	FCC 50	50	125	135	155
5FCC075	FCC 75	75	145	155	175
5FCC080	FCC 80	80	155	165	185
5FCC090	FCC 90	90	170	180	200
5FCC145	FCC 145	145	220	230	250



- 75 mm Chair comes with marker



Fixing & Lifting

ALTAS LIFTING ANCHORS

About ALTAS Lifting Anchors

ALTAS Lifting Anchors are all drop forged or plasma cut, galvanized or stainless anchors. Designed to the original Haussler patent in the 1970's, the ALTAS Lifting range covers:



Foot Anchors



Foot Eye Anchor



Liftfix and Ringlift Face Lift Anchor



Ringlift Edge Lift Anchor (Hairpin Style)



TKA Edge Lift Anchors



Utility Anchors

Ordering Codes

Foot & Foot Eye Anchor

5P	52	SL	01.3	-120	S6
Prefix	Type	Anchor	Load Rating	Length	Material/ Finish
5P52SL01.3-120S6 = 1.3T x 120 Foot Anchor SS316					

Type	Code	Material/Finish	Code
Foot	52	Gal	
Foot Eye	53	SS 316	S6

ALTAS LIFTFIX

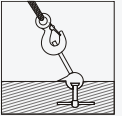
Liftfix Foot Anchors & Foot Eye Anchors (HDG)

Load Rating	1.3 T		2.5 T		5.0 T		10.0 T		20.0 T		32.0 T	
Length	FA	FE	FA	FE	FA	FE	FA	FE	FA	FE	FA	FE
35 mm	●											
45 mm	●											
50 mm		●										
55 mm	●		●									
60 mm					●							
65 mm	●	●	●	●	●							
75 mm	●		●		●							
85 mm	●	●	●									
90 mm				●	●							
95 mm					●							
100 mm			●									
115 mm			●				●					
120 mm	●		●	●	●	●						
140 mm			●		●							
150 mm							●		●			
160 mm					●							
170 mm			●		●							
180 mm					●	●	●	●				
240 mm	●		●		●	●						
250 mm							●		●	●		
280 mm			●									
300 mm											●	
340 mm							●		●			
480 mm												
500 mm									●		●	
700 mm											●	
1200 mm											●	

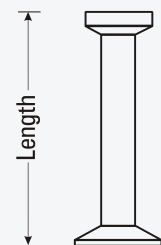
♦ Other sizes can be made on request

Liftfix Foot Anchors SS-316

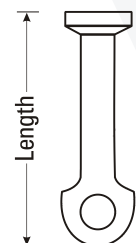
Load Rating	1.3 T	2.5 T	5.0 T	10.0 T
Length				
85 mm	●			
120 mm	●	●	●	
150 mm			●	●
170 mm		●	●	
340 mm				●



♦ Foot Anchor "FA"



♦ Foot Eye Anchor "FE"



Fixing & Lifting

Liftfix Void Formers and Accessories

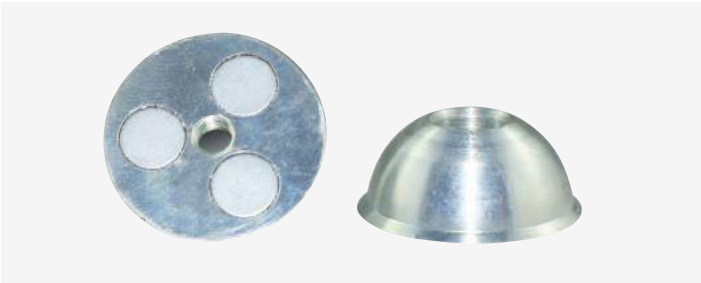
Liftfix Rubber Articulated Void Former & Fixing Screw



Liftfix Steel Articulated Void Former



Liftfix Magnetic Void Former



Liftfix Fixed Void Former Rubber Rings



Liftfix Steel Void Former Fixed

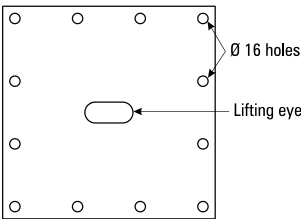


For Anchors	Prefix	Rubber Articulated Void Former & Screw	Steel Articulated	Steel Fixed	Magnetic Fixed	Rubber Ring (for Fixed Void Former)
1.3 T	5P52VF01.3	C	-VSA	-VSF	-VSM	-R
2.5 T	5P52VF02.5	C	-VSA	-VSF	-VSM	-R
5.0 T	5P52VF05.0	C	-VSA	-VSF	-VSM	-R
10.0 T	5P52VF10.0	C	-	-VSF	-VSM	-R
20.0 T	5P52VF20.0	C	-	-VSF	-VSM	-R
32.0 T	5P52VF32.0	C	-	-	-VSM	-

Bugger Plate - 5T Capacity



- ♦ Create a new lifting Point
- ♦ Available for Sale or Hire
- ♦ Certification and tech supplied



- ♦ Size: 500 x 500 X 16 Plate
- ♦ 12 No 16mm holes @100mm centres

♦ 5P52-BUG.5T

Face Lifters

Liftfix & Ringlift



- ♦ Liftfix Face Lifter
-Plastic Base
-Oval Void Former



- ♦ Liftfix Face Lifter
-Plastic Base
-Round Void Former



- ♦ Liftfix Face Lifter
-Metal Legs
-Oval Void Former



- ♦ Ringlift Face Lifter
-Plastic Base
-Oval Void Former

Panel Thickness (mm)	Capacity (T)	Liftfix Face Lifter			Ringlift Face Lifter
		-Plastic Base -Oval Void Former	-Plastic Base -Round Void Former	-Metal Legs -Oval Void Former	-Plastic Base -Oval Void Former
100	5.0	5FL100-O	5FL100-R	5FL100-W	-
125	5.0	5FL125-O	5FL125-R	5FL125-W	57FL125
150	5.0	5FL150-O	5FL150-R	5FL150-W	57FL150
175	5.0	5FL175-O	5FL175-R	5FL175-W	57FL175
200	5.0	5FL200-O	5FL200-R	5FL200-W	-
230	5.0	5FL230-O	5FL230-R	5FL250-W	-

- ♦ All height combinations available using adjustment feet

Adjustment Feet

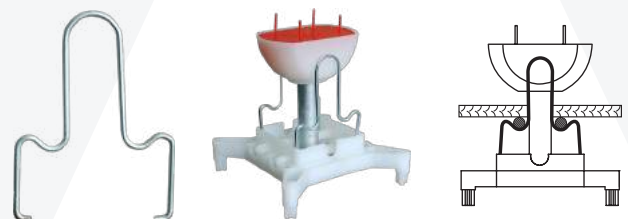
Code	Name
5P52SL-TFB-05	5.00 mm Adjustment Feet
5P52SL-TFB-06.35	6.35 mm Adjustment Feet
5P52SL-TFB-10	10.0 mm Adjustment Feet
5P52SL-TFB-12.7	12.7 mm Adjustment Feet
5P52SL-TFB-19.05	19.05 mm Adjustment Feet
5P52SL-TFB-20	20.0 mm Adjustment Feet
5P52SL-TFB-25.4	25.4 mm Adjustment Feet



- ♦ Adjustment feet with fitted in Liftfix Base
- ♦ Custom heights can be achieved by joining adjustment feet

Wire Bar Guide For Liftfix Face Lifters

This great new add-on to our LIFTFIX face lifters allow you to position the face lifter in the central mesh and prevent any lifting or floating of the face lifter occurring during the pour. The unique profile allows for optional N12 bars, but even if you don't use them, the mesh support provides the physical connection between the face lifter and the mesh. You should make sure you always use it!



Liftfix Void Cover

Covers Lifter Hole in Panel

Code	Name	Pack (pc)
5P52SL-TFB-RVFC	Liftfix Void Cover	100

Just Knock it in



- ♦ Suits 5.0T Liftfix Face Lifter Void

Ringlift Face Lifter Accessories

Code	Name
57FLRUB	Void Former for Ringlift 5.0T Face Lifter
57FLRUBPL	Fixing Plate for 57FLRUB



Fixing & Lifting

ALTAS LIFTFIX TKA

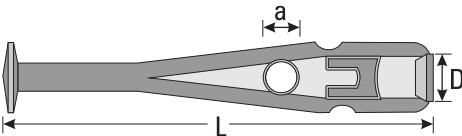
Liftfix TKA Edge Lift Anchor

- The ultimate edge lift anchor
- The unique design prevents the lifting clutch from bearing on the concrete. This means no spalling of the edges using a TKA anchor



Name	Axial Load (kN)	Length L (mm)	Ø D (mm)	Ø a (mm)	Codes			
					Anchors	Void Former	Fixing Screw	Fixing Plate
TKA 13-120	13	120	19	12	5P55SL01.3	5P55VF01.3	5P55FS01.3	5P55FP01.3
TKA 25-170	25	170	26	14	5P55SL02.5	5P55VF02.5	5P55FS02.5	5P55FP02.5
TKA 50-240	50	240	36	18	5P55SL05.0	5P55VF05.0	5P55FS05.0	5P55FP05.0

- Complete brochure available



• Void Former



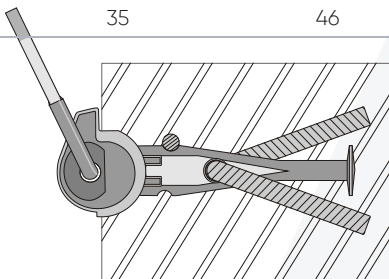
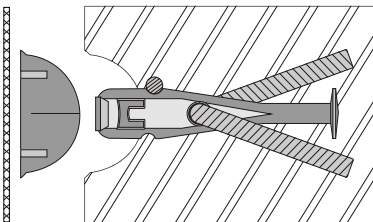
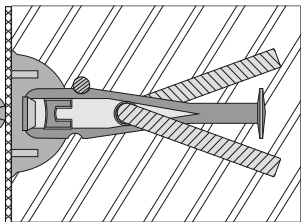
• Fixing Screw



• Fixing Plate

Characteristics of Liftfix TKA Edge Lift Anchor

Size	Axial Capacities Load (Kg)	Element thickness (mm)	Transverse lift Concrete strength		Diagonal lift up to 45° Concrete strength	
			10 MPA	15 MPA	10 MPA	15 MPA
TKA 13-120	1300	100	3.4	4.0	10	12
	2500	100	6.4	7.8	18	24
TKA 25-170		110	7.4	8.4	18	24
		120	9.0	10.3	19	25
		130	9.5	11.6	19	25
TKA 50-240	5000	140	12.7	15.6	31	42
		150	14.1	17.3	33	44
		160	15.6	19.1	35	46



ALTAS RINGLIFT

Ringlift Hair Pin Edge Lifter



Feel like you are currently committed to another system, even though you want to change?

Our edge lifters have compatibility with other void formers and clutches, so you don't have to change them over.

Call our office to discuss how easy it is to swap over to ALTAS edge lifters from Actech.

COMPLY - AS3850.1:2015



♦ 2.5 T



♦ 5.0 T



♦ 9.0 T

Ringlift Hair Pin Edge Lifter Void Former & Fixing Plate



♦ 2.5 T



♦ 5.0 T



♦ 9.0 T

Rated WLL Capacity	Codes		
	Lifters	Void Formers	Fixing Plate
2.5 T	571025.HP	571025.RVF	571025.FS
5.0 T	571050.50HP	571050.RVF	571050.FP
9.0 T	572090.9A	572090.9TRVF	572090.9TVFP

**Contact us
for full
design manual**

Shear Bar & Hanger Bar

Dia (mm)	Shear Bar	Hanger Bar
8	5SHB08	-
10	5SHB10	5SHB10-H
12	5SHB12	5SHB12-H
16	5SHB16	5SHB16-H
20	5SHB20	5SHB20-H



♦ Shear Bar



♦ Hanger Bar

Fixing & Lifting

Lifting Clutches

Liftfix Lifting Clutch

Clutches available in 2 grades

Code	Name	SWL (T)	Weight (kg)	Types
5P51SL01.3M	Liftfix Lifting Clutch 1.3	1.3	1.0	M
5P51SL01.3T	Liftfix Lifting Clutch 1.3	1.3	1.0	T
5P51SL02.5M	Liftfix Lifting Clutch 2.5	2.5	1.9	M
5P51SL02.5T	Liftfix Lifting Clutch 2.5	2.5	1.9	T
5P51SL05.0M	Liftfix Lifting Clutch 5.0	5.0	3.8	M
5P51SL05.0T	Liftfix Lifting Clutch 5.0	5.0	3.8	T
5P51SL05.0G	Ground Release Clutch 5.0	5.0	6.0	M
5P51SL10.0M	Liftfix Lifting Clutch 10.0	10.0	9.8	M
5P51SL10.0T	Liftfix Lifting Clutch 10.0	10.0	9.7	T
5P51SL20.0T	Liftfix Lifting Clutch 20.0	20.0	26.0	T
5P51SL32.0T	Liftfix Lifting Clutch 32.0	32.0	50.0	T

♦ All clutches come with test certificates



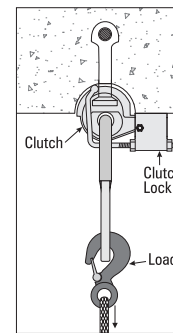
♦ Type 'M'
-For Casual Use
-Made in China

♦ Type 'T'
-For Professional Use
-Made in Europe

Clutch Locks

Applications include using the clutch as a support for making temporary connections to precast that has already been placed & secured. This also allows for using the clutch as an anchor point in pits or tunnels for moving or lifting objects during construction & maintenance. The clutch lock does not interfere with the clutch's ability to transfer load to the anchor.

Code	Name
5P50SL05	Clutch Lock 5.0 T
5P50SL10	Clutch Lock 10.0 T
5P50SL20	Clutch Lock 20.0 T
5P50SL32	Clutch Lock 32.0 T



Ringlift Edge Lifting Clutch

Clutches available in 2 grades

Code	Name	SWL (T)	Weight (kg)	Types
571025.RLC.T	2.5T Ringlift Lifting Clutch	2.5	1.8	T
571025.RLC	2.5T Ringlift Lifting Clutch	2.5	2.1	M
571050.T.RLC	5.0T Ringlift Lifting Clutch	5.0	3.9	T
571050.M.RLC	5.0T Ringlift Lifting Clutch	5.0	4.1	M
572090.9TRLC	9.0T Ringlift Lifting Clutch	9.0	5.9	M
571100.RLC	10.0T Ringlift Lifting Clutch	10.0	9.6	T
571200.RLC	20.0T Ringlift Lifting Clutch	20.0	25.0	T

♦ All clutches come with test certificates

♦ Type 'T'
-For Professional Use
-Made in Europe



♦ Type 'M'
-For Casual Use
-Made in China

Lifting Point Analysis & Certification

We can provide Lifting & Propping Point Analysis & Certification for Bridge Beams, Tilt Panels etc. Our lifting design provides safe lifting with a view to reduce additional reinforcement where possible.

(Inc. RPEQ)



ALTAS LIFTFIX

Utility Anchor Lifting System

LIFTFIX Utility Anchor Lifting System is an economical user friendly system for lifting and handling precast concrete elements. The System can be utilized to remove the precast elements from their forms, handling the elements in the precast yard, loading for shipment and unloading and placement at the job site – all without the need for any special lifting equipment or hardware.

Simply use a standard hook or clevis to connect to the Utility Anchor for a safe lift. An added benefit of the easy to use System is a design feature that enables the unit to be used effectively as a pulling iron.

Key Advantages of the LIFTFIX Utility Anchor Lifting System:

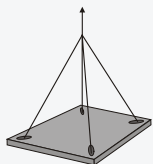
- High strength – Up to 5.4T. SWL with an approximate 2.5 to 1 F of S.
- Used with a standard hook or clevis – no special lifting hardware required
- Easy to install and use. Utilizes reusable 90° and 45° polyurethane setting plugs
- Custom made for each anchor diameter.
- Eliminates “through holes” in the precast element.
- An economical system.
- A very versatile system – applicable to any precast element, can be used for lifting, used as pulling iron, or lifting and pulling iron.

The LIFTFIX Utility Anchor Lifting System is designed to economically simplify the lifting and handling of precast concrete elements. Its economics, ease of use and versatility will be a welcome addition to your precast operations.

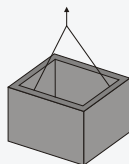


Code	Load Rating (T)	Slab Min at (mm)		SWL at 90 Deg (Kg.)		SWL at 45 Deg (Kg.)	Minimum Edge Distance (mm)	Product Dimensions		
		90Deg	45Deg	Tension	Shear	Tension/Shear		a (mm)	b (mm)	c (mm)
5P54SL4.444	0.6	100	90	2139	4204	1638	230	133	79	11
5P54SL5.444	2.0	125	100	2798	5588	1979	280	152	95	11
5P54SL6.444	2.5	140	110	3233	6857	2283	385	187	120	11
5P54SL5.671	2.5	125	100	3305	6110	2334	280	164	95	17
5P54SL6.671	5.0	140	110	5306	11437	3747	385	187	120	17
5P54SL8.671	7.5	190	190	7850	13662	5552	520	248	171	17

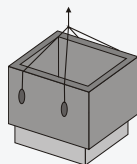
Typical Applications



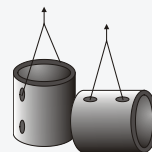
Strip Handle Set



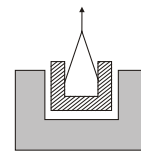
Strip Handle Set



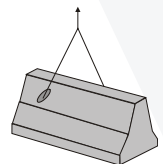
Strip Handle Set



Strip Handle Set



Strip Handle Set



Strip Handle Set

Utility Void Formers & Fixing Plate

Code	Name
5P54SLVF.444	Void Former for 0.444
5P54SLVF.671	Void Former for 0.671
5P54SLVF.FP	Plate for Utility Void Former



♦ Void Former



♦ Standard Plate



♦ Magnetic Plate

Fixing & Lifting

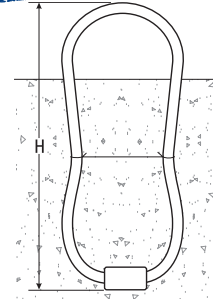
ALTAS LOOPLIFT

Looplift Cast-In Loops

(Special Order)

Code	Load (T)	Ø (mm)	H (mm)	Pack (pc)
5LLCI-05	5.2	14	385	1
5LLCI-10	10.0	20	470	1
5LLCI-20	20.0	28	610	1
5LLCI-32	32.0	36	770	1
5LLCI-42	42.0	44	1000	1

**NO CLUTCHES
REQUIRED**



Lifting Loops

Standard Lifting Loops

FOS is 4:1

Code	Name	Thread	Length (mm)	Swl (kg.)
5LL012	Lifting Loop RD12	M12	~130	500
5LL016	Lifting Loop RD16	M16	~170	1,200
5LL020	Lifting Loop RD20	M20	~210	2,000
5LL024	Lifting Loop RD24	M24	~260	2,500

- ♦ Use these to top lift precast using cast-in ferrules as anchors.
- ♦ Not suitable for edge lift



Wire Loop with Forged Head- Goliath Multi Use

Code	Name	Thread	Wire (mm)	Swl (kg.)
5LL012.GOL	Lifting Loop 12	M12	8	800
5LL016.GOL	Lifting Loop 16	M16	9	1,200
5LL020.GOL	Lifting Loop 20	M20	12	2,000
5LL024.GOL	Lifting Loop 24	M24	12	2,500

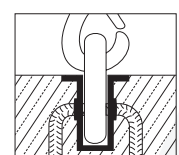
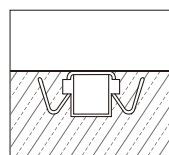
- ♦ Use this style for edge lift applications, as wire loop can rotate.



Small Product – Pit Lid Lifters

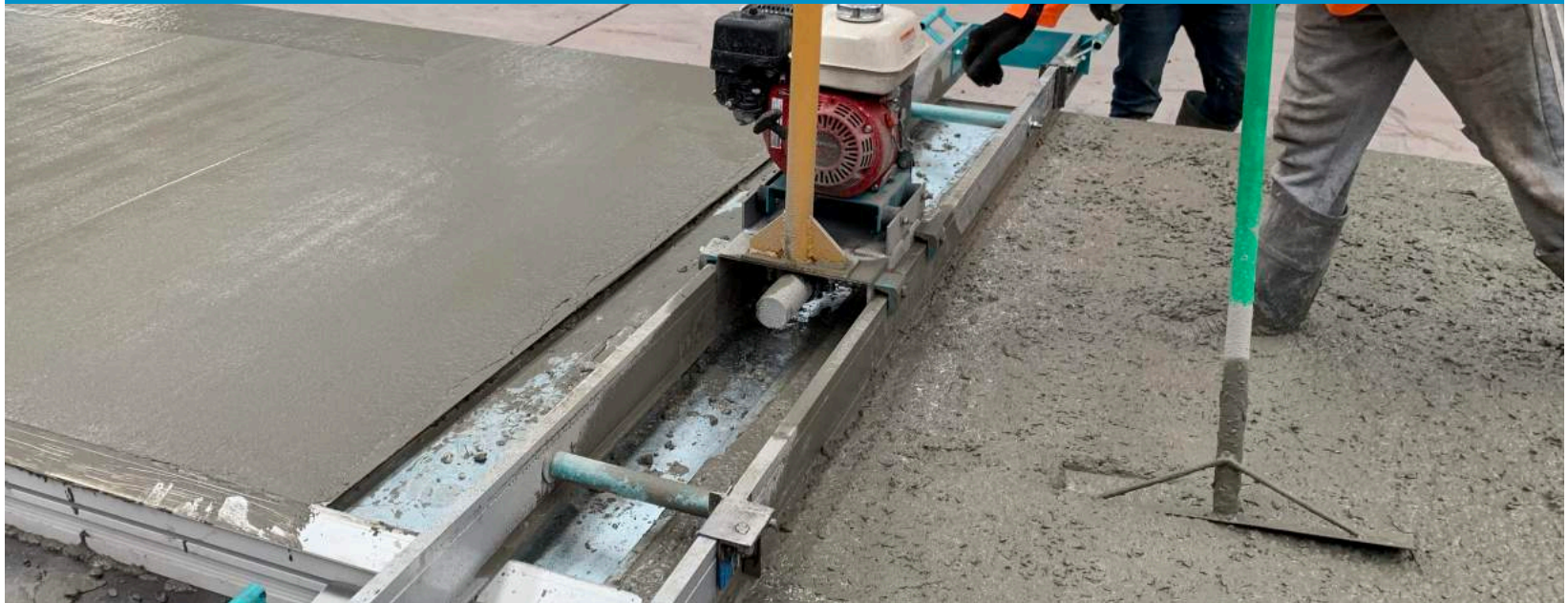
Hebefix

Transfix



Code	Name	Size (mm)	SWL (kg.)	Pack (pc)
5HEBFX	Hebefix	75 x 35 x 30	150	250

Code	Name	Size (mm)	SWL (kg.)	Pack (pc)
5TRANFIX	Transfix	115 x 55 x 20	1,250	50



Roller Screed	The fastest and most economic way to screed concrete!	114
Vibrating Beam Screed	Double Beam Screed, Screed Extension	115
Screed Support System	Fugenfix Expansion Joint and / or Crack Inducer, Hanging Roller System, Plastic Screed Chair, Screedmaster Screed Chair	116
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Roller Screed

The fastest and most economic way to screed concrete!



Wildcat roller screed is the first self contained, light weight, and most maneuverable roller screed on the market. Our Handle Weight Kit provides a balance to evenly compact pervious and regular concrete. The screed passes are reduced to make the screeding process even faster.

Features

- ♦ 2 Double Sealed Roller Bearings
- ♦ Variable Speed Control
- ♦ Handles can swivel for ease of use and fold up for storage
- ♦ Removable ends plugs
- ♦ Kick stand for both handles

Model	WC-50	WC-100
Engine	Honda GX50	Honda GX100
RPM	High speed 300 rpm	High Speed 300 rpm
Tube Size	115 mm or 150 mm	115 mm or 150 mm
Tube Length	Upto 6.5 M	Up to 10.0 M
Weight (without tube)	24.0 kg	30.0 kg
Code	72M.WC50	72M.WC100

Above power units require a Roller Kit and a Roller Tube which can be added. Parts include:

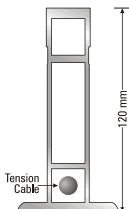
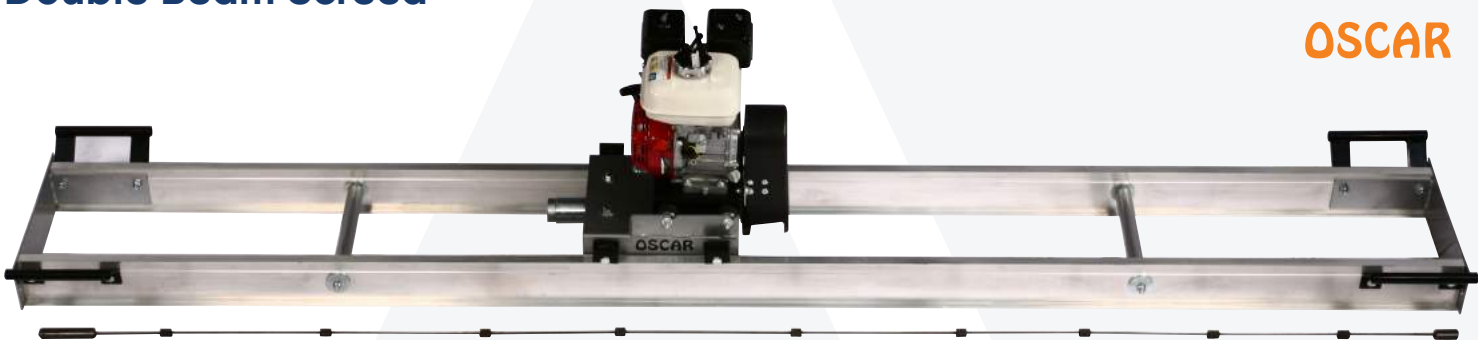
Part Code	Description
72M.DTP6	6" / 150mm End Plugs
72M.LH20KG	20kg Handle weight for Power Unit
72M.WCKIT	RollerKit comprising 2 x 72M.DTP6 + 1 x 72M.LH20KG
72M.WC6500	6500mm Steel Roller Tube (can be cut to engh)
72M.WC6000.AL	6000mm Aluminium Roller Tube (can be cut to length)



♦ Roller screed used on slopes

Vibrating Beam Screed
Double Beam Screed

OSCAR



♦ Profile



♦ Electric



♦ Petrol Engine



♦ Diesel Engine

Dimensions	3.2	4.2	5.2	6.2	7.2
Length (mm)	3200	4200	5200	6200	7200
Width (mm)	540	540	540	540	540
Height (mm)	170	170	170	170	170
Weight (kg)	56	67	79	91	98
Working length (mm)	3000	4000	5000	6000	7000
Vibrating Unit with Engine Options:	Subaru EX 13 (4.5 HP) Honda GX 160 (5.5 HP) Electric (3.0 HP) Subaru Diesel DY27-2D (5.5 HP)				



Ordering Code

7200	42	H
Prefix	Length	Type

7200/42H = 4.2 M Double Beam Screed with Honda Engine

Type	Code	Length	Code
Beam Only		3.2 M	32
		4.2 M	42
Honda	H	5.2 M	52
Subaru	S	6.2 M	62
Diesel	D	7.2 M	72
Electric	E		

Screed Extension

Code	Name
720000	1M Bolt on Screed Ext (set of 2 pieces)

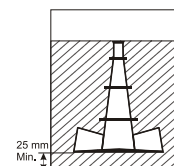


Screed Support System

Fugenfix Expansion Joint and/or Crack Inducer

Plastic profile to induce a controlled crack in continuously laid concrete. No need for costly cutting and filling of joints. Excellent anchoring in concrete. Profile can be cut to size on site, single pieces can be jointed with a rebar. Fugenfix is suitable for expansion joints in concrete slabs while retaining its shape and exact dimensions

Code	Name	Height (mm)	Length (M)	Pack (M)
470125	Fugenfix B 125	125	5.0	25



- ♦ A construction joint, expansion joint, screed rail and saw cut replacement – all in one product

Hanging Roller System



- ♦ For bridge work



- ♦ Code: 721001

- ♦ Use this system for supporting the screed on a rail suspended above the slab



Plastic Screed Chair

New model for site production of screed chairs. Gives stable support to 45 mm diameter scaffold tube. Screed chairs are easily and quickly assembled from three components, a plastic saddle, a threaded shaft and a stable base section. The threaded shaft screws into the base section and enables the chair to be set accurately in height. Extension by use of 22 mm conduit which is cut to size as required.

Code	Name	Pack (pc)
49SCRCH.TOP	Screed Chair Top	100
49SCRCH.NUT	Screed Chair Nut	100
49SCRCH.BAS	Screed Chair Base	100
49SCRCH.BASHI	Screed Chair Base - High	50
49SCRCH.BASLO	Screed Chair Base - Low	50
412226-20R	Conduit Ø 22 mm x 2 M	100 LM



- ♦ Screed Chair Base (Nail)



- ♦ Screed Chair Base High (Screw)



- ♦ Screed Chair Base Low (Screw)

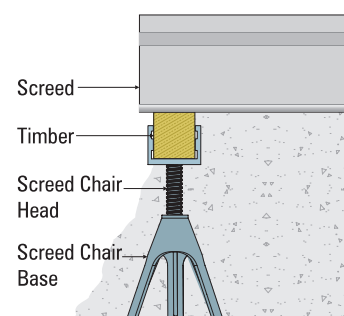
- ♦ Ø22 mm Conduit sold separately

Screedmaster Screed Chair

Fully Adjustable Multipurpose Chair

Features

- ♦ 100% recycled plastic
- ♦ Adjustable height range: 125 to 245 mm
- ♦ Wider base
- ♦ Quick fitting
- ♦ Nail Feet





Triangular Truss Screed

Husqvarna BT90



Upto
25M

With big challenges ahead, like up to 25 meter wide floors, runways or bridges that need compaction, levelling and finishing the BT90 is a very effective partner. A robust modular construction with rigid triangular shaped sections and great protection of vital parts ensures long lifetime and easy service. No special tools needed for assembly.

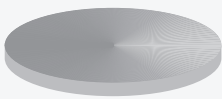
Dimension (LxWxH)	720 x 620 x 980
Weight (kg)	120
Engine	Honda GX270 7.5hp.

Screed Section Module

Dimension (LxWxH)	2095 x 420 x 376
Weight (kg)	57
Power Source	Electric / Petrol



Possible Surfaces



♦ Angle adjustment 15°.

Ordering Code

7200	42	H	Type	Code	Length	Code
Prefix	Length	Type	Beam Only		3.2 M	32
720042H = 4.2 M Double Beam Screed with Honda Engine					4.2 M	42
			Honda	H	5.2 M	52
			Subaru	S	6.2 M	62
			Diesel	D	7.2 M	72
			Electric	E		

Machinery

Vibrating Walk Behind Screed

Multivibe Screed



The box-triangle design prevents warping and sagging up to 6.0M

Engine	Honda GX35
Beam Lengths (ft.)	8, 10, 12, 16, 20 & 24
Weight (kg)	24 to 30

Meco Screed



OSCAR

♦ New light weight and inexpensive screed unit.

Beam Lengths (M)	1.0 to 5.0
Weight (kg)	23 to 37
Engines	Honda GX-25 4st.
Height (Usage) (mm)	980

Husqvarna BV30



Husqvarna

♦ Designed for bigger jobs

Beam Lengths (M)	1.82 to 4.26
Weight (kg)	20 to 26.3
Vibrating unit *	4-stroke Honda GX35
Power (kW)	1.2–(1.6) (hp) at 7,000 rpm

Ordering Codes

Multivibe Screeds

76M.LB1		12	Beam			
			Length	Code	Length	Code
			8ft (2.4M)	08	16ft (4.8M)	16
			10ft (3.0M)	10	20ft (6.0M)	20
			12ft (3.6M)	12	24ft (10.3M)	24

Prefix Length

76M.LB112 = Multivibe Screed 3.6 M Beam
Power Unit: 76M.MVPR100H

Meco Screed

7220	20	H	Beam			
			Length	Code	Type	Code
			1.0 M	10	Blade Only	
			2.0 M	20		
			3.0 M	30	Complete	H
			4.0 M	40		

Prefix Length Type

722020H = Meco Screed with 2.0 M Beam

Husqvarna BV30

72AC. BV30	-2.4	Length		Code
		1.80 M		1.8
		2.40 M		2.4
		3.05 M		3.05
		3.60 M		3.6
		4.27 M		4.3

Prefix Length

72AC.BV30 = Power unit with Honda GX35
72AC.BV30-2.4 = 2.4 M Beam for BV30

Walk Behind Trowels

Oscar Walk Behind Trowels

Trowels with Rotating Rings

- ◆ Finishes within 5 mm of wall.
- ◆ Handle folds flat.
- ◆ 6-Blade model available on request.
- ◆ Suitable for use with pans.



Std & Eco Trowels

- ◆ Eco trowels have smaller gearboxes and engines to provide a lighter and more cost effective power trowel!



Pro Trowels

- ◆ Bigger gearbox
- ◆ Longer handles
- ◆ Handles pans easily.



OSCAR

Specifications	4 or 6 Blade		Eco		4 Blade	
	P 600	P 750	P 900	P 900	P 900 Pro	P 1200
L x W x H (mm)	1300 x 600 x 990	1470 x 750 x 1030	1930 x 950 x 1040	2070 x 950 x 1050	2070 x 900 x 1050	2140 x 1230 x 1050
Weight (kg)	65	70	76	87-96	87-96	107-117
Engines (std.) (Trowels with elec- tric motors also available)	Subaru EX 13 (4.5 HP)	Subaru EX 17 (6.0 HP)	Subaru EX 17 (6.0 Hp)	Subaru EX 21 (7.0 HP)	Subaru EX 27 (9.0 HP)	Subaru EX 27 (9.0 HP)
	Honda GX 120 (4.5 HP)	Honda GX 160 (5.5 HP)	Honda GX 160 (5.5 Hp)	Honda GX 200 (6.5 HP)	Honda GX 270 (9.0 HP)	Honda GX 390 (13.0 HP)
Code (4 Blade)	700600-4H	700750-4H	700900EH	700900H	700900PH	701200H
Code (6 Blade)	700600-6H	700750-6H	-	-	-	-

Master Finish Walk Behind Trowels

Specifications	34"	40"
L x W x H (mm)	1600 x 970 x 980	1800 x 1100 x 980
Weight (kg.)	70	75
Engine	Honda GX160 (5.5 HP)	Honda GX160 (5.5 HP)
Code	70MF85HS34	70MF100HS40



Accessories and Spares

Pans for Trowels



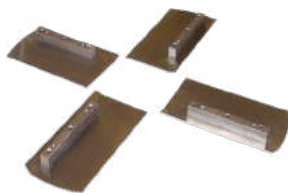
- ♦ Standard Pan
7120900P - For P900
7121200P - For P1200

Grinding Disc for P900



- ♦ 7120900G
- ♦ Prefect for saving floors and panels.
- ♦ Fits onto blades.
- ♦ For P900 Trowels only

Blades for Trowels



- ♦ Finishing Blade
- ♦ Floating Blade
- ♦ Combination Blade

Spares for Trowels



Surface Preparation

Cub Grinder

250mm concrete floor grinder, compact, light weight, direct drive grinder, ideal for small floor preparation work

- ♦ Adjustable air flow can be used with any vacuum system.
- ♦ Compact so it stores easily.
- ♦ Easy to Control while grinding both wet & dry grinding.
- ♦ Floating Head Dust Shroud to pick up maximum dust.
- ♦ Height control (three positions) to cater for all operator sizes.
- ♦ Left or Right handed operation.
- ♦ Level Adjustment on rear wheels for a perfectly flat surface.
- ♦ Lightweight for transportation and handling.
- ♦ Robust Right to wall grinding.
- ♦ Safety Trigger mechanism on rear handle

Motor (HP)	3
Motor (KW)	Rating 2.2
Motor RPM	1450 rpm
Unit Weight (kg)	47
Plate Type	Standard 250 mm plate or Alpha Shoe



- ♦ 250mm grinding disks also available

Master Finish Concrete & Terazzo Floor Grinding Machine

- ♦ Complete ease of control achieved by using the finger light wheel height adjustment.
- ♦ Powered by 2 HP Single phase electric motor which can be connected to normal household supply.
- ♦ Fitted with 100 ft electric cable.
- ♦ Two men can handle the machine onto the most awkward job site.
- ♦ Robust fabricated steel construction
- ♦ Minimum maintenance – 2 greasing points only
- ♦ A vacuum hose can be connected to the machine to remove any air-born dust.
- ♦ Supplied with fabric dust shield.
- ♦ Can be fitted with a variety of disks to suit most types of abrasive segments.
(Standard disc as illustrated – self locking wedge segments).

Code	75MFG1A
Weight	85 Kg.
Disc Speed	360 rpm
Disc Diameter	360 mm
Overall size	940 x 520 x 950



- ♦ Diamond Wedge Abrasive Segment also available



Rebar Bending & Cutting Machines

Rebar Bending Machine



♦ MG 20 B



♦ B 36



♦ BD 36



♦ B 50

Specifications	MG 20 B	B 26	B 36	BD 36	B 50
Bar Bending Size 500 Grade Steel	1xØ20, 1xØ16	1xØ26, 1xØ24	1xØ36, 1xØ32, 1xØ30	1xØ36, 1xØ32, 1xØ30	1xØ50,
	3xØ14	2xØ20, 2xØ22	2xØ20, 2xØ22, 2xØ24, 2xØ26	2xØ20, 2xØ22, 2xØ24, 2xØ26	2xØ32, 2xØ26
	4xØ12	3xØ16	4xØ16	4xØ16	3xØ22
	6xØ10	5xØ14	5xØ14	5xØ14	5xØ16
L x W x H (mm)	Machine: 450 x 600 x 320 Table: 430 x 500 x 300	730 x 780 x 880	800 x 920 x 880	800 x 920 x 880	89 x 125 x 880
Weight (kg)	59	260	350	450	580
Electric Motor (kW)	1.1	1.5	3	3	5.5
Voltage (V)	380	380	380	380	380
Code	7GMSMG20B	7GMSB26	7GMSB36	7GMSBD36	7GMSB50

Rebar Cutting Machine



♦ MG 22 H



♦ POWER 24



♦ H 26

Specifications	MG 22 H	POWER 24	H 26	H 38 S
Bar Cutting Size 500 Grade Steel	1xØ16, 1xØ 20, 1xØ22	1xØ22, 1xØ24	1xØ22, 1xØ24	1xØ30, 1xØ32, 1xØ36
	2xØ12, 2xØ14	2xØ16, 2xØ 20	2xØ16, 2xØ20	2xØ24, 2xØ26
	3xØ8, 3xØ10	3xØ12, 3xØ14	3xØ12, 3xØ14	3xØ22
		4xØ10	4xØ10	3xØ20
L x W x H (mm)	460 x 710 x 460	390 x 710 x 620	550 x1050 x 600	640 x 1330 x 750
Weight (kg)	66	115	160	352
Electric Motor (kW)	1.5	3	2.2	3
Voltage (V)	380	240	380	380
Code	7GMSMG22H	7GMSP24	7GMSH26	7GMSH38

Electric Vibrators

Dingo Vibrator

single
phase



Power (W)	2300
Voltage	230V 50~60Hz
Speed (rpm)	18,000
Weight (kg)	5.4
Dimensions (mm)	343 x 243 x 228
Code	76E.3

- ◆ Handles designed to protect the motor perimeter against knocks.
- ◆ Cable reinforcement at motor outlet.
- ◆ Three handles around motor body and another handle on rear for use with short transmissions and upright jobs.
- ◆ Anti-abrasion hose with integrated mesh reinforcement and interior strapping.
- ◆ Foam and grating filter at air intake.
- ◆ Leak tight switch protected from knocks.

Vibrator Head

Size	Code	Compatible Shaft
Head 25 mm	76E.H25	TDXE
Head 38 mm	76E.H38	TDX
Head 48 mm	76E.H48	TDX
Head 58 mm	76E.H58	TDX



Vibrator Shaft

Size	TDX	TDXE
Shaft 0.7 M	76E.SH.TDX07	76E.SH.TDXE07
Shaft 1.0 M	76E.SH.TDX10	76E.SH.TDXE10
Shaft 1.5 M	76E.SH.TDX15	76E.SH.TDXE15
Shaft 2.0 M	76E.SH.TDX20	76E.SH.TDXE20
Shaft 3.0 M	76E.SH.TDX30	76E.SH.TDXE30
Shaft 4.0 M	76E.SH.TDX40	76E.SH.TDXE40
Shaft 5.0 M	76E.SH.TDX50	76E.SH.TDXE50
Shaft 6.0 M	76E.SH.TDX60	76E.SH.TDXE40



Enar Spyder Pro

- High frequency electronic converter for concrete vibrators.
- Protection at converter inlet against abrupt fluctuations in voltage.
- Protection at converter outlet limiting consumption per phase.
- Ergonomic box making transport and handling easier.
- 15 m of cable give the equipment a high level of autonomy.
- Weight: 3.4 Kg



Model	Spyder Pro 38	Spyder Pro 50	Spyder Pro 60	Spyder Pro 70
Poker Dia (mm)	38	50	58	65
Poker Length (mm)	350	380	430	337
Hose Length (M)	5	5	5	5
Performance (m³/h)	UP TO 20	UP TO 30	UP TO 35	UP TO 40
Power (kW)	0.58	0.85	1.0	1.5
Code	76E.SP38	76E.SP50	76E.SP60	76E.SP70

Husqvarna Smart Poker

- High centrifugal force, stable speed and high amplitude give good concrete vibration and fewer dips
- Easy handling - 10m cable and 5m hose give exceptional reach
- Vibration reducing pistol grip handle on SMART-E pokers
- Built-in converter well protected to guard against electric shock, overload and overheating
- Runs on single phase power -just plug in and go

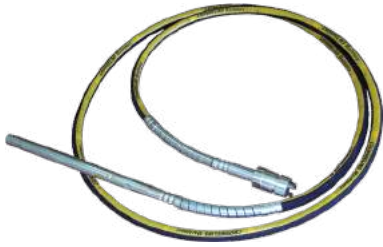


• Custom shaft and cord lengths available

	Smart40	Smart48	Smart56	Smart65
Tube diameter (mm)	40	48	56	65
Tube length (mm)	320	350	380	410
Hose length (m)	5	5	5	5
Vibration value (m/s²)	3.81	2.47	5.87	4.62
Cable length (m)	10	10	10	10
Frequency (vpm)	12000	12000	12000	12000
Code	72AC.SM40	72AC.SM48	72AC.SM56	72AC.SM65

Machinery

Pendulum Heads & Shafts



Shaft	Enar		Husqvarna AZ		Husqvarna AA	
	Head	Code	Head	Code	Head	Code
6.0 M	25 mm	76E.P6-25	26 mm	72AC.AZ26	27 mm	72AC.AA27
6.0 M	38 mm	76E.P6-38	36 mm	72AC.AZ36	37 mm	72AC.AA37
6.0 M	48 mm	76E.P6-48	46 mm	72AC.AZ46	47 mm	72AC.AA47
6.0 M	58 mm	76E.P6-58	56 mm	72AC.AZ56	67 mm	72AC.AA67
6.0 M	70 mm	76E.P6-70	-	-	77 mm	72AC.AA77
9.0 M	58 mm	76E.P9-58	-	-	-	-

Petrol Vibrators

Master Finish Drive Units

Model	HD5	K1620
Engine	Honda GX160	Honda GX160
Power (HP)	5.5	5.5
Weight (kg)	31.0	30.0
Code	76MFHDV	76MFHDK

♦ 6.0 M Shaft with 32, 38, 45, 50, 55 & 60 mm Pendulum heads



♦ K1620



♦ HD5

Husqvarna Drive Units

Model	AMD3000 Diesel	AMG3200 Petrol
Power (kW)	3.0	3.2
Speed (rpm)	2,900	3,600
Weight (kg)	46	15
Engine brand	Lombardini	Honda
Code	72AC.AMD3000	72AC.AMG3200



Hand Held Vibrator

Hummer Vibrators

Low friction cool head vibrator does not burn up outside of concrete and has the highest amplitude.

Power Units

Code	Description
76M.HM300CH	Hummer Power Unit Honda HM300CH
76M.HM41H	Hummer Fishing Pole Vibrator HM41H Honda

Vibrator Shafts

Shaft Length	For 25 mm Head	For 45 & 50 mm Head
0.6 M	76M.SH0.6P	76M.SH0.6M
1.2 M	76M.SH1.2P	76M.SH1.2M
1.8 M	76M.SH1.8P	76M.SH1.8M
2.4 M	76M.SH2.4P	76M.SH2.4M
3.0 M	76M.SH3.0P	76M.SH3.0M
3.6 M	76M.SH3.6P	76M.SH3.6M
4.2 M	76M.SH4.2P	76M.SH4.2M
4.8 M	76M.SH4.8P	76M.SH4.8M
5.4 M	76M.SH5.4P	76M.SH5.4M
6.0 M	76M.SH6.0P	76M.SH6.0M

Vibrator Heads

Code	Dia	Length	Type
76M.HD25-300	25 mm	300 mm	Standard
76M.HD45-300	45 mm	300 mm	Standard
76M.HD50-200	50 mm	200 mm	Standard
76M.HD50-300	50 mm	300 mm	Standard
76M.H50-200R	50 mm	200 mm	Rubber coated

Master Finish HandyVibe

- Safe-T-Cage unique protective system reduces chances of damage to engine.

Shaft Diameter	45 mm
Weight	13 Kg.
Engine	Honda GX35 4-Stroke
Warranty	3 Year engine, 6 months shaft

Flextool Portavibe

	PVE44	PVE44R
Code	76FPVE44	76FPVE44R
Type	Hard Nose	Resilient
Flexshaft Length (mm)	545	
Vibrator Head (mm)	Ø44 x 390 mm long	
Operating Weight (kg)	13	
Frequency (vib/min)	9,000	
Engine	Honda GX35 (1.5 HP)	



External Vibrators

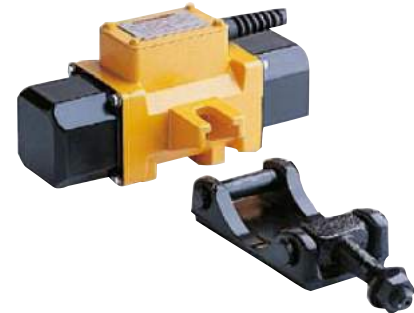
High Speed Electric Vibrators

Good concrete vibration and excellent results thanks to flexible, high centrifugal force. In order to increase flexibility and cost effectiveness, ER207B, ER407B and 507B vibrators are mounted

on quick release brackets for easy portability, thus fewer units are required. High-quality components and materials help you keep life cycle and maintenance costs down.



Model	ER 207B	ER 407B	ER 507B
Speed (rpm)	6000	6000	6000 rpm
Max. centrifugal force (N)	7400	11000	16000 N
Voltage (V/Hz)	42-3-200	42-3-200*	42-3-200
Intensity (A)	12.5	16.5	23.5
Weight	10.5 kg	15.5	23.2
Bracket attachment	VT2	VT4	VT4
Noise level (dB(A))	69	84.5	85
Code	76AC.ER207B	76AC.ER407B	76AC.ER507B



High Speed Pneumatic Vibrators

Suitable for all concrete mixes on civil engineering sites and in precast factories. A single moving part improves the possibilities for seamless operation. No periodic

maintenance required. The integrated noise reducer makes these vibrators very quiet. Available with quick-release brackets.



	EP121B	EP271B	EP371B	EP601B
Speed (rpm)	9000	9350 rpm	9350 rpm	8800 rpm
Max. centrifugal force (N)	8100	10350 N	26800 N	31500N
Air consumption (l/min)	1200	1200 l/min	1400 l/min	1400 l/min
Weight (kg)	9.5	10 kg	16.5 kg	18 kg
Bracket attachment	VT2	VT2	VT4	VT4
Noise level (dB(A))	90	90.8 dB(A)	95 dB(A)	100dB(A)
Code	76AC.EP121B	76AC.EP271B	76AC.EP317B	76AC.EP601B



Pneumatic Vibrators

AY Pneumatic Pokers

- ♦ No moving parts in hose = reduced hand/arm vibration
- ♦ Easy-to-twist ball stop handle avoids air leakage and power losses
- ♦ Several pokers can be run from one compressor
- ♦ Air-cooled - does not depend on concrete to keep temperature down
- ♦ Dual layer reinforcement in shaft increases wear resistance



AYPokers	AY27	AY37	AY47	AY57	AY67	AY77	AY87	AY107	AY157
Tube diameter (mm)	26	36	47	56	67	77	87	108	155
Tube length (mm)	254	267	316	344	365.3	98	410	415	430
Tube weight (kg)	0.7	1.5	2.8	4.5	7.9	8.9	9.7	17.7	28
Frequency (vpm)	12000	12000	12000	12000	12000	12000	12000	12000	12000
Hose length (m)	2	2	2	2	2	2	1.5	1.5	0.8
Vibration value (m/s ²)	0.51	1.02	2.13	2.1	2.38	4.9	1.95	2.91	12.29
Noise level (dB(A))	84.5	89.2	95.8	94	98	98	94	96.3	92.4
Air consumption (m ³ /min)	0.36	0.46	0.7	1	1	1.3	1.6	1.9	2.7
Code	76AC.AY27	76AC.AY37	76AC.AY47	76AC.AY57	76AC.AY67	76AC.AY77	76AC.AY87	76AC.AY107	76AC.AY157

Hand Tools & Safety



Hand Trowels	Pointed Concrete Trowels, Square Concrete Trowels, Wood Floats, Magnesium Blade Floats, Foam Floats, Adhesive Spreaders, Edgers (Standard & SS), Margin Tool, Dish Drain or Coving, All Side Up, Groover & Corrugator, Coving Trowel, Non-Slip Groove Forming Tools, For Steps and Ramps, Vee Jointer	128
Pool Finishing Tools	Steel Marble Sheen Trowel, Plastic Marble Sheen Float	130
Kerb & Formwork Equipment		130
Bullfloat, Handles & Accessories	Aluminium Bullfloat, Walking Trowel, Fresno Trowels, Telescopic Handle & Clip Together Handle	131
Miscellaneous	Lightweight Finishing Brooms, Spiral Mixer, Kneeling Board, Water Sprayer, Concrete Placing Rakes, Shovel & Spades, Floor Scrapers	132
Drill Bits & Blades	Armeg SDS Multifit Drill Bits, Armeg SDS Accessories, Armeg SDS Max Single Head Masonry Drill Bit, Armeg SDS Max Cross Head Masonry Drill Bit, Armeg PTC Diamond Crown, Armeg Hex Wood Auger, Armeg Porcelain Tile Cutter - Straight Shank, Metal Cutting Wheels, Bolt Cutters	134
Personal Safety	Gloves, Respirators, Ear & Eye Protection, Hard Hats	137
Diamond & Coring Tools	MK Extreme Hard Clay Brick Diamond Blades, MK V-Seg Core Drill, MK Diamond Core Drilling Extension, MK Contractor Continuous Diamond Blades, MK Contractor Cup Wheels, MK Contractor Turbo Diamond Blades, MK Contractor Turbo Diamond Blades, Diamond Blades for Bricksaw, Demolition & Low Power Floor Saws, MK Diamond Arrow Cup Wheels, Full Bodied Cup Wheels, Laser Welded GP Blade, Wedge Block, MK Extreme Hard & Green Concrete Diamond Blades	138
Paint & Markers	Spray & Mark, Line Marking, Spray Ink, Industrial Lumber Crayon, Chalk Line Mark, Engineering Chalk	140

Hand Tools & Safety

Hand Trowels

Pointed Concrete Trowels

Code	Name
741101A	Master Finish 101A Pointed Trowel 120 x 365 mm Light
741103A	Master Finish 103A Pointed Trowel 120 x 365 mm Heavy
741109A	Master Finish 109A Pointed Trowel 100 x 355 mm Light
741109B	Master Finish 109B Pointed Trowel 100 x 355 mm Light Wood Handle
741165A	Master Finish 165A Pointed Trowel 115 x 600 mm Light
741191A	Master Finish 191A Pointed Trowel 115 x 405 mm Light
741191B	Master Finish 191B Pointed Trowel 115 x 405 mm Light Wood Handle
741192A	Master Finish 192A Pointed Trowel 115 x 450 mm Light
741193A	Master Finish 193A Pointed Trowel 115 x 500 mm Light



- ♦ 741191A-Handle Moulded Plastic
The moulded plastic handle is designed for ease of grip and operator comfort.



- ♦ 741109B-Handle Wood
This traditional turned timber handle suits applications such as trowelling solvent based products that may attack plastic handles

Square Concrete Trowels

Used where the pointed end trowel is not suitable eg finishing stair toppings and kerb & gutter.

Code	Name
741102A	Master Finish 102A Square Trowel 280 x 120 mm Light
741122SS	Master Finish 122SS Steel Marble Sheen Trowel Square Back
741162A	Master Finish 162A Square Trowel 280 x 120 mm Heavy
741181A	Master Finish 181A Square Trowel 115 x 405 mm Light
741PP73	Master Finish Square Trowel 365 x 120 mm Light



- ♦ 741102A

Wood Floats

These are widely used traditional tools that produce a textured finish for external paving as well as applications in cement rendering.

Code	Name	Code	Name
741801	Master Finish 801-112 x 300	741804	Master Finish 804-50 x 450
741802	Master Finish 802-112 x 380	741824	Master Finish 824-65 x 600
741803	Master Finish 803-112 x 450		



- ♦ 741801

Magnesium Blade Floats

Soft Grip Handle

Code	Name
741MF12	Master Finish MF12 Magnesium Float 300 x 80 mm
741MF16	Master Finish MF16 Magnesium Float 405 x 80 mm
741MF20	Master Finish MF20 Magnesium Float 510 x 80 mm



Foam Floats

Code	Details
7411155	Master Finish Sponge Foam Float features lightweight plastic handle and aluminium backing plate.
7411155R	Master Finish Replacement foam - may be fixed using contact cement.
7411156	Master Finish Foam Float has an additional feature of perforated aluminium backing plate for ease of cleaning the foam after use.



- ♦ 7411155



- ♦ 7411156

Adhesive Spreaders

These trowels have a 1.6 mm thick steel blade and timber handle.

QTF has a 10 mm square tooth for applications requiring a thick bed of adhesive such as quarry tiles.

QTF 2 has a 6 mm saw tooth for areas where less adhesive is required.



- ♦ QTF-2



- ♦ QTF

Edgers (Standard & SS)



♦ 741408

Code	Radius (mm)	Width (mm)	Length (mm)	Depth (mm)
741401	5	75	140	12
741402	6	75	140	12
741403	10	75	140	19
741404	5	38	140	12
741405	5	50	140	12
741406	6	100	150	14
741406F	10	75	140	40
741408	19	80	140	19
Larger size for kerb and gutter work etc.				
741700	12	150	230	24
741701	25	150	230	24
741702	12	112	175	22
741703	25	112	175	19
741706	10	105	150	14
741708	20	140	200	19
741709	20	140	200	22
Stainless Steel				
741401S	5	75	140	12
741402S	6	75	140	12
741403S	10	75	140	19

Margin Tool



♦ 741777

Fixed & Variable



♦ 741776

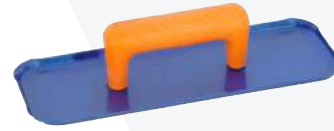
Grooving bit adjusts to desired width of margin between 70-160 mm

Code	Width (mm)	Margin (mm)
741775	140	100
741776	140	150
741777	120	70 to 160

Dish Drain or Coving

Code	Details
741206	Master Finish semi circle - 50mm radius.
741466	Master Finish stainless steel part circle - 75mm radius

All Side Up



♦ 741229



♦ 741209

Used to 'rub up' a concrete floor prior to steel trowelling or to work in coloured dry shake. They produce a textured finish smoother than a wood float, which suits outdoor paving applications. The trowels feature a long wearing robust steel blade that is turned up all round.

Code	Name
741209	Master Finish SS All Side Up 160 x 210 mm
741219	Master Finish All Side Up 150 x 380 mm
741229	Master Finish All Side Up 290 x 100 mm

Groover & Corrugator



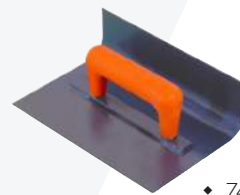
♦ 741908E



♦ 741909G

Code	Name
741901A	Cast Iron 150 x 75 x 25
741903B	Cast Iron 50 x 75 x 12
741908E	Cast Iron Long Style 200 x 75 x 25
741909G	Cast Iron

Coving Trowel



♦ 741201

Used to form a cove where a wall and floor meet. The 741201 coving has a traditional use in 'rubbing up' the setting concrete prior to steel trowelling.

Code	Width (mm)	Height (mm)	Radius (mm)
741201	148	70	25
741202	145	32	25
741203	95	25	12
741207	140	90	75



♦ 741206



♦ 741466

Hand Tools & Safety

Non-Slip Groove Forming Tools For Steps and Ramps

Tools nos. 901 and 903 form semi-circular corrugations at 9 mm centres. Tools Nos. 904 and 905 form 8 mm x 16 mm a recess that is filled with non-slip grit.



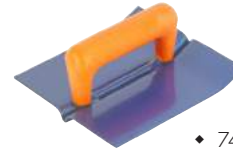
♦ 741903



♦ 741905

Code	No of Grooves	Groove Size (mm)
741901	3	-
741903	5	-
741904	1	8 x 16
741905	2 at 19 mm Apart	8 x 16

Vee Jointer



♦ 741302

Code	Width (mm)	Depth (mm)
741301	75	10
741304	75	19
741305	75	25
741306	75	32
741302	150	12
741312	150	20
741315	150	25

Pool Finishing Tools

Steel Marble Sheen Trowel

Code	Name
741120A	Master Finish 300 mm
741121A	Master Finish 350 mm
741122A	Master Finish 450mm
741122S	Master Finish 450 with 330 Rib
741126A	Master Finish 555 mm
741126S	Master Finish 555 with 380 Rib

Originally developed for use on marble sheen finishing in swimming pools, the blade is allowed to flex with only a short support rib (see tools Nos. 741120A, 741121A, 741122A & 741126A).

A further development from this is a similar trowel with a longer rib for greater rigidity in the blade (see 'S' series).



♦ 741120A

Plastic Marble Sheen Float

Code	Name
741127	Plastic Marble Sheen Float

The blade is made from 3 mm thick low-density white polyethelene and is fixed to a light weight plastic handle. Originally developed to trowel marble sheen in swimming pools, but now finds a wider use on various wall applications.



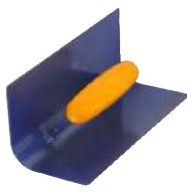
♦ 741127

Kerb & Formwork Equipment



♦ 741KGT

The steel blade is shaped to finish 150 mm kerb with a 38 mm splay and give a 25 mm radius to the kerb nosing and gutter coving.



♦ 741KGC

The steel blade is shaped to finish the coving in kerb and gutter with 25 mm radius.



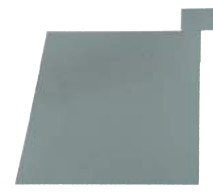
♦ 741KGCT

The steel blade is shaped to finish a gutter crossing with a 40 mm lip.



♦ 741KGE

The steel blade is shaped to finish the nose of the kerb with a 25 radius.



♦ 741KGP_2

Kerb Plate cut to shape from steel plate to form 150 mm kerb and used in construction with kerb bow. If 150 mm straight kerb is required, the plate can be placed to form it.



♦ 741KGB

Kerb Bow formed from 30 mm x 10 mm steel bar and shaped to form up 150 mm splayed kerb using 50 mm thick timber.

Bullfloat, Handles & Accessories

Aluminium Bullfloat

Code	Name
7411062	Master Finish 1062 Aluminium Bullfloat 600 mm
7411063	Master Finish 1063 Aluminium Bullfloat 900 mm
7411064	Master Finish 1064 Aluminium Bullfloat 1200 mm
7411068	Master Finish 1068 Aluminium Bullfloat 1800 mm

The tilt of the blade is adjustable controlled by twisting the handle. This enables the operator to change the tilt of the blade to achieve the optimum finish to the concrete. If the blade lies flat on the slab it leaves a rough finish but will close and fill holes. When the blade is tilted on an angle, a smoother finish will result.



♦ 7411063

Walking Trowel

Code	Name
741444	Master Finish 440 Walking Trowel Round Ends 120 mm Wide
741555	Master Finish 555 Walking Trowel RR 120 mm Wide
741556	Master Finish 556 Walking Trowel Sq End 120 mm Wide
741558	Master Finish Walking Trowel Stainless WT 600 1SQ End
741708W	Master Finish Walking Edger 20mm radius with clip-on handle
741557	Master Finish 557 Walking Trowel Stainless WT 600 Round Ends

Trowel concrete floors from a standing position. The tubular connection pivots freely to allow the changing angle between the blade and handle to occur. The square end blade allows trowelling up against a wall. Used in conjunction with telescopic handle 1076 or clip handle 588



♦ 741556



♦ 741555

Fresno Trowels

Code	Name
741607	Master Finish Fresno with Tilt Mechanism 600 mm
741607A	Master Finish Steel Fresno with Tilt Mechanism 900 mm
741609	Master Finish Fresno with Tilt Mechanism 900mm

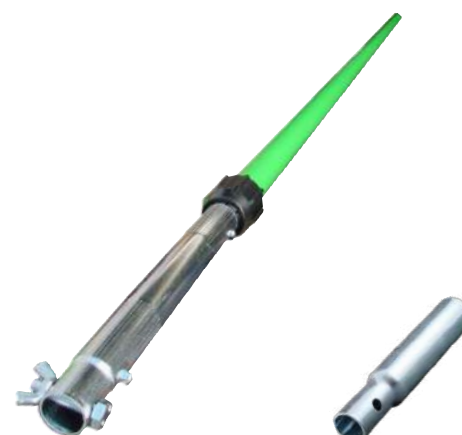
The Fresno may be fitted with a bracket and tilt mechanism as illustrated – used only in a push/pull operation.



♦ 742607

Telescopic Handle & Clip Together Handle

Code	Name
7411076	Master Finish 1076 Keyed Telescopic Handle
7411076E	Master Finish 1076 Keyed Teles Adapter



♦ 7411076

♦ 7411076E

Hand Tools & Safety

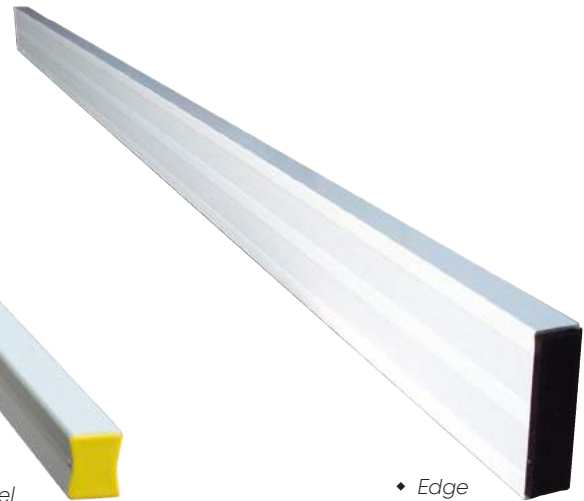
Concrete Screeds & Straight Edges



♦ Standard



♦ Level



♦ Edge

Length (mm)	Ezy Tools			Master Finish		
	Standard	Level	Edge	Standard	Edge	Edge Painted
1200	7400E12S	7400E12L	7400E12E	7400M12S	7400M12E	7400M12EP
1500	7400E15S	7400E15L	7400E15E	7400M15S	7400M15E	7400M15EP
1800	7400E18S	7400E18L	7400E18E	7400M18S	7400M18E	7400M18EP
2100	7400E21S	7400E21L	7400E21E	7400M21S	7400M21E	7400M21EP
2400	7400E24S*	7400E24L	7400E24E	7400M24S	7400M24E	7400M24EP
2700	7400E27S	7400E27L	7400E27E	7400M27S	7400M27E	7400M27EP
3000	7400E30S	7400E30L	7400E30E	7400M30S	7400M30E	7400M30EP
3300	7400E33S	-	7400E33E	-	-	-
3600	7400E36S*	7400E36L	7400E36E	7400M36S	7400M36E	7400M36EP

♦ * Double handles available for long screeds.

♦ Custom lengths available.

Lightweight Finishing Brooms

Code	Length (mm)	Stock
7411572	600	Timber
7411573	750	Timber
7411574	900	Timber
7411974	900	Aluminium
7411904	900	900 replacement for 1974



♦ Air and fibre bristle timber stock. - The brooms use a quality hair and fibre bristle.



♦ Nylon Bristle Aluminium Stock - Fitted With 360° Adjustable Bracket.

Spiral Mixer



♦ 742MDR57

♦ Masonry Hardware Spiral Mixer 120 x 600 x 10 mm Shaft

Kneeling Board



♦ 742MHKB

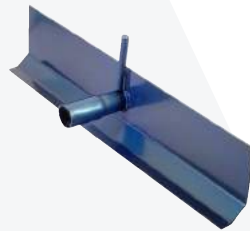
♦ One piece base - with built in extra grip handles / One piece foam
♦ Firm foam for greater knee support

Water Sprayer



♦ 741EAGGUN

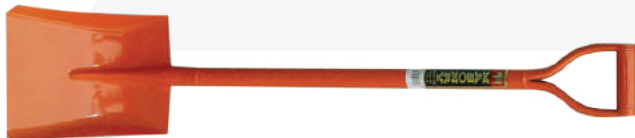
Concrete Placing Rakes



♦ Supplied With Timber Handle

Code	Name
741999	Master Finish Placer Rake
741CC010	Master Finish / Kraft CC010 Steel Concrete Rake with Teeth
741CC944	Masterfinish MF999 Concrete Placer Rake
742CPRBIGRED	Concrete Placer Rake - All Alloy - 500mm Wide 1.8M Long
742CRMEDRED	Concrete Placer Rake - All Alloy - 500mm Wide 1.5M Long

Shovel & Spades



♦ 742GT80



♦ 741MFWSS

Code	Name
741MFWSS	Master Finish MFWSS SHOVEL 39" Short handle WHITE
741MFYSL	Master Finish MFYSL SHOVEL 43" Long handle YELLOW
742GT80	Masonry Hardware GT80 Shovel- All Metal Square Mouth Shovel - Orange - Dee Handle- 1105 mm

Floor Scrapers

Long handle scrapers feature replaceable hardened steel blades and durable construction. Choose a scraper to suit your application.



741LHS - 190 mm wide blade - heavy stock to impact hard to remove material on floors. Spare blade 741LHSB7

741FS6 - 150 mm wide blade - Light weight - spare blade 741FS6B

Drill Bits & Blades

Armeg SDS Multifit Drill Bits

Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.SDS.040110	4.0	110	50
8SA.SDS.050110	5.0	110	50
8SA.SDS.050160	5.0	160	100
8SA.SDS.050210	5.0	210	150
8SA.SDS.055110	5.5	110	50
8SA.SDS.055160	5.5	160	100
8SA.SDS.055210	5.5	210	150
8SA.SDS.060110	6.0	110	50
8SA.SDS.060160	6.0	160	100
8SA.SDS.060210	6.0	210	150
8SA.SDS.065110	6.5	110	50
8SA.SDS.065160	6.5	160	100
8SA.SDS.065210	6.5	210	150
8SA.SDS.065400	6.5	400	350
8SA.SDS.070160	7.0	160	100
8SA.SDS.080110	8.0	110	50
8SA.SDS.080160	8.0	160	100
8SA.SDS.080210	8.0	210	150
8SA.SDS.080260	8.0	260	200
8SA.SDS.080450	8.0	450	400
8SA.SDS.100110	10.0	110	50
8SA.SDS.100160	10.0	160	100
8SA.SDS.100210	10.0	210	150
8SA.SDS.100260	10.0	260	200
8SA.SDS.100450	10.0	450	400
8SA.SDS.120160	12.0	160	100
8SA.SDS.120210	12.0	210	150
8SA.SDS.120250	12.0	250	200
8SA.SDS.120450	12.0	450	400
8SA.SDS.120600	12.0	600	550
8SA.SDS.121000	12.0	1000	950
8SA.SDS.130250	13.0	250	200
8SA.SDS.130450	13.0	450	400
8SA.SDS.140250	14.0	250	200
8SA.SDS.140450	14.0	450	400
8SA.SDS.140600	14.0	600	550



Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.SDS.141000	14.0	1000	950
8SA.SDS.150250	15.0	250	200
8SA.SDS.160200	16.0	200	150
8SA.SDS.160300	16.0	300	250
8SA.SDS.160450	16.0	450	400
8SA.SDS.160600	16.0	600	550
8SA.SDS.161000	16.0	1000	950
8SA.SDS.180250	18.0	250	200
8SA.SDS.180450	18.0	450	400
8SA.SDS.180600	18.0	600	550
8SA.SDS.181000	18.0	1000	950
8SA.SDS.200250	20.0	250	200
8SA.SDS.200450	20.0	450	400
8SA.SDS.200600	20.0	600	550
8SA.SDS.220250	22.0	250	200
8SA.SDS.220450	22.0	450	400
8SA.SDS.240250	24.0	250	200
8SA.SDS.240450	24.0	450	400
8SA.SDS.250250	25.0	250	200
8SA.SDS.250450	25.0	450	400
8SA.SDS.250600	25.0	600	550
8SA.SDS.260250	26.0	250	200
8SA.SDS.260450	26.0	450	400

Armeg SDS Accessories

Code	Description
8SA.SDSM.G360MXP	ARMEG 360mm Long SDS Max Point
8SA.SDSM.G50MSXC	ARMEG 50mm Wide SDS Max Chisel
8SA.SDST.S+FC	ARMEG T3 Multifit Flat Chisel - 20mm Chisel 250mm long
8SA.SDST.S+FC30	ARMEG T3 Multifit Flat Chisel - 35mm Chisel 250mm long
8SA.SDST.S+FCSP	ARMEG T3 Multifit Flat Spade Chisel - 35mm Chisel 250mm long
8SA.SDST.S+PC	ARMEG T3 Multifit Pointed Chisel - 250mm long



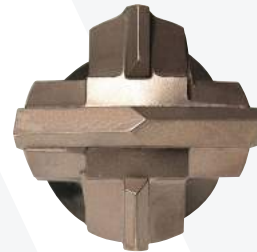
Armeg SDS Max Single Head Masonry Drill Bit

Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.SDSM.120390	12	390	300
8SA.SDSM.120540	12	540	450
8SA.SDSM.130390	13	390	300
8SA.SDSM.130540	13	540	450
8SA.SDSM.140390	14	390	300
8SA.SDSM.140540	14	540	450
8SA.SDSM.150390	15	390	300
8SA.SDSM.150540	15	540	450



Armeg SDS Max Cross Head Masonry Drill Bit

Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.SDSM.160390	16.0	390	300
8SA.SDSM.160540	16.0	540	450
8SA.SDSM.160920	16.0	920	850
8SA.SDSM.180390	18.0	390	300
8SA.SDSM.180540	18.0	540	450
8SA.SDSM.190390	19.0	390	350
8SA.SDSM.190540	19.0	540	450
8SA.SDSM.200370	20.0	370	300
8SA.SDSM.200520	20.0	520	450
8SA.SDSM.200920	20.0	920	850
8SA.SDSM.220370	22.0	370	300
8SA.SDSM.220520	22.0	520	450
8SA.SDSM.220920	22.0	920	850
8SA.SDSM.240370	24.0	370	300
8SA.SDSM.240520	24.0	520	450
8SA.SDSM.250370	35.0	370	300
8SA.SDSM.250520	25.0	520	450
8SA.SDSM.250920	25.0	920	850



Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.SDSM.260370	26.0	370	300
8SA.SDSM.260520	26.0	520	450
8SA.SDSM.280370	28.0	370	300
8SA.SDSM.280570	28.0	570	500
8SA.SDSM.300370	30.0	370	300
8SA.SDSM.300570	30.0	570	450
8SA.SDSM.320370	32.0	370	300
8SA.SDSM.320570	32.0	570	500
8SA.SDSM.320920	32.0	920	850
8SA.SDSM.350570	35.0	570	500
8SA.SDSM.380570	38.0	570	500
8SA.SDSM.400570	40.0	570	500

Armeg PTC Diamond Crown

Code	Name	Dia (mm)
8SA.PTC.0050	PTC Diamond Crown 5.0 mm	5.0
8SA.PTC.0060	PTC Diamond Crown 6.0 mm	6.0
8SA.PTC.0065	PTC Diamond Crown 6.5 mm	6.5
8SA.PTC.0070	PTC Diamond Crown 7.0 mm	7.0
8SA.PTC.0080	PTC Diamond Crown 8.0 mm	8.0
8SA.PTC.0100	PTC Diamond Crown 10.0 mm	10.0
8SA.PTC.0130	PTC Diamond Crown 13.0 mm	13.0
8SA.PTC.0190	PTC Diamond Crown 19.0 mm	19.0
8SA.PTC.0260	PTC Diamond Crown 26.0 mm	26.0
8SA.PTC.0360	PTC Diamond Crown 36.0 mm	36.0



Code	Name	Dia (mm)
8SA.PTC.0440	PTC Diamond Crown 44.0 mm	44.0
8SA.PTC.0520	PTC Diamond Crown 52.0 mm	52.0
8SA.PTC.0700	PTC Diamond Crown 70.0 mm	70.0
8SA.PTC.0900	PTC Diamond Crown 90.0 mm	90.0

Hand Tools & Safety

Armeg Hex Wood Auger

Code	Dia (mm)	Length (mm)	Working Length (mm)
8SA.WH12450	12	450	350
8SA.WH18460	18	460	360
8SA.WH20600	20	600	500



Armeg Porcelain Tile Cutter - Straight Shank

Code	Description	Dia (mm)	Length (mm)
8SA.CTCP.050	ARMEG 5.0mm x 100mm Porcelain Tile Cutter	5.0	100
8SA.CTCP.060	ARMEG 6.0mm x 100mm Porcelain Tile Cutter	6.0	100
8SA.CTCP.065	ARMEG 6.5mm x 100mm Porcelain Tile Cutter	6.5	100
8SA.CTCP.070	ARMEG 7.0mm x 100mm Porcelain Tile Cutter	7.0	100
8SA.CTCP.080	ARMEG 8.0mm x 100mm Porcelain Tile Cutter	8.0	100
8SA.CTCP.100	ARMEG 10.0mm x 100mm Porcelain Tile Cutter	10.0	100



Metal Cutting Wheels

Code	Name	Dia (mm)	Thickness (mm)	Hole (mm)
824000	Flexovit 4" General Purpose Flat Metal Cutting Wheel	100	2.5	22
824001	Flexovit 4.5" General Purpose Flat Metal Cutting Wheel	115	2.5	22
824002	Flexovit 5" General Purpose Flat Metal Cutting Wheel	125	2.5	22
824003	Flexovit 9" General Purpose Flat Metal Cutting Wheel	230	2.5	22
824010	Flexovit 4" Mega Inox Ultra Thin Metal Cutting Wheel	100	1.0	16
824011	Flexovit 4.5" Mega Inox Ultra Thin Metal Cutting Wheel	115	1.0	22
824012	Flexovit 5" Mega Inox Ultra Thin Metal Cutting Wheel	125	1.0	22
824014	Flexovit 14" Cut Off Saw Metal Cutting Wheel	355	3.0	25.4
824020	Flexovit 4" WA 36 Flexible Disc for Stainless Steel	100	3.0	16



Bolt Cutters

Length (mm)	HIT Red Jaws	Master Finish
300	743102	-
450	743106	-
600	743108	741BC600
750	743111	741BC750
900	743114	741BC900
1050	743117	741BC1050



♦ HIT - Red Jaws



♦ Master Finish

Personal Safety



Gloves

**Black Knight
Nylon Glove**



♦ 745BNG

G-Force Cut 5



♦ 8G.G-FORCECUT5

**Industrial
Rigger Glove**



♦ 745PBCRG

Welders Glove



♦ 745WRWG

**Sandfire
Nitrile Glove**



♦ 745SG-Y

**Disposable
Nitrile Gloves**



♦ Code: 745GB

Respirators

**P2 Respirator with
Valve**



♦ 745P2R

**Bandit Assembled
Half Mask**



♦ 745BHM

Hard Hats

**Vented Hard Hat Visor
& Earmuffs**



♦ 745PFK

Vented Hard Hat



♦ 745VHH

Ear & Eye Protection

**Tapered Earplug
Uncorded**



♦ 745MT5UE

**Tapered Earplug
Corded**



♦ 745MT5CE

**Anti-fog
Goggles**



♦ 745MGB

**Welding
Helmet**



♦ 745MWH

Gumboots



♦ 745ASTG

Safety Vest



♦ Code: 745SV05

Hand Tools & Safety

Diamond & Coring Tools

MK Extreme Hard Clay Brick Diamond Blades

Code	Description	Size
75BXX-100	MK Extreme Hard Clay Brick Diamond Blades 4" 100mm	100 x 2 x 10
75BXX-125	MK Extreme Hard Clay Brick Diamond Blades 5" 125mm	125 x 2.2 x 10
75BXX-180	MK Extreme Hard Clay Brick Diamond Blades 7" 180mm	180 x 2.4 x 10
75BXX-230	Mk Diamond 9" Premium Cutting Wheel Concrete	230 x 2.5 x 10
75BXX-360	MK Extreme Hard Clay Brick Diamond Blades 14" 360mm	360 x 3 x 15
75BXX-400	MK Extreme Hard Clay Brick Diamond Blades 16" 400mm	400 x 3.2 x 15



MK V-Seg Core Drill

Code	Description	Segs
75CD-050	MK V-Seg Core Drill 50mm Laser Bit	4
75CD-064	MK V-Seg Core Drill 64mm Drill Bit	6
75CD-083	MK V-Seg Core Drill 83mm Drill Bit	7
75CD-108	MK V-Seg Core Drill 108mm Drill Bit	9



MK Diamond Core Drilling Extension

Code	Description
75MKEXT-150	MK Diamond Core Drilling - 150mm long extension
75MKEXT-300	MK Diamond Core Drilling - 300mm long extension
75MKEXT-500	MK Diamond Core Drilling - 500mm long extension

MK Contractor Continuous Diamond Blades

Code	Description
75CONTC-100	MK Contractor Continuous Diamond Blades 4" 100mm
75CONTC-115	MK Contractor Continuous Diamond Blades 4.5" 115mm
75CONTC-125	MK Contractor Continuous Diamond Blades 5" 125mm
75CONTC-180	MK Contractor Continuous Diamond Blades 7" 180mm
75CONTC-230	MK Contractor Continuous Diamond Blades 9" 230mm
75CONTC-250	MK Contractor Continuous Diamond Blades 10" 250mm



MK Contractor Cup Wheels

Code	Description
75CONTCW-100	MK Contractor 4" 100mm Turbo Pattern Segmented Cup Wheel
75CONTCW-125	MK Contractor 5" 125mm Turbo Pattern Segmented Cup Wheel
75CONTCW-180	MK Contractor 7" 180mm Turbo Pattern Segmented Cup Wheel
75CONTCW-100DR	MK Contractor 4" 100mm Double Row Cup Wheel
75CONTCW-125DR	MK Contractor 5" 125mm Double Row Cup Wheel
75CONTCW-180DR	MK Contractor 7" 180mm Double Row Cup Wheel



MK Contractor Turbo Diamond Blades

Code	Description
75CONTS-100	MK Contractor Segmented Diamond Blades 4" 100mm
75CONTS-115	MK Contractor Segmented Diamond Blades 4.5" 115mm
75CONTS-125	MK Contractor Segmented Diamond Blades 5" 125mm
75CONTS-180	MK Contractor Segmented Diamond Blades 7" 180mm
75CONTS-230	MK Contractor Segmented Diamond Blades 9" 230MM
75CONTS-250	MK Contractor Segmented Diamond Blades 10" 250mm



MK Contractor Turbo Diamond Blades

Code	Description
75CONTT-100	MK Contractor Turbo Diamond Blades 4" 100mm
75CONTT-115	MK Contractor Turbo Diamond Blades 4.5" 115mm
75CONTT-125	MK Contractor Turbo Diamond Blades 5" 125mm
75CONTT-180	MK Contractor Turbo Diamond Blades 7" 180mm
75CONTT-230	MK Contractor Turbo Diamond Blades 9" 230mm
75CONTT-250	MK Contractor Turbo Diamond Blades 10" 250mm



Diamond Blades for Bricksaw, Demolition & Low Power Floor Saws

Code	Description
75AXP-360	MK Diamond AXP 360 14" /360 Green Cut Blade
75AXP-410	MK Extreme Asphalt, Green Concrete & Blocks Diamond Blades 16" 410mm

MK Diamond Arrow Cup Wheels

Code	Description
75CWA-C	MK Diamond Arrow Cup Wheels 30 / 40 Grit 10 Segments Blue
75CWA-C125	MK Diamond 5" Blue Arrow Cup Wheel 30/40 Grit
75CWA-S	MK Diamond 16 Grit 6 Segment Arrow Cups



Full Bodied Cup Wheels

Code	Description
75CWT-100C	MK Diamond 4" 100 mm Coarse Turbo Cup Wheel
75CWT-125C	MK Diamond 5" 125 mm Coarse Turbo Cup Wheel
75CWT-180C	MK Professional 7" 180 mm Coarse Cup Wheel
Finishing Discs	
75CWT-100F	MK Professional 4" 100 mm Fine Cup Wheel
75CWT-125F	MK Diamond 5" 12 5 mm Fine Turbo Cup Wheel
75CWT-180F	MK Professional 7" 180 mm Fine Cup Wheel



Laser Welded GP Blade

Laser Welded diamond blade suitable for general purpose use.

Code	Description
75GENX-360	MK Contractor Power Cutter 14" 350 mm Laser Welded GP Blade
75GENX-410	MK Contractor Power Cutter 16" 410 mm Laser Welded GP Blade

♦ With 10mm High Segments



Wedge Block

Diamond wedge block used in Terrazzo Grinding machines.

Code	Description
75GWP-25G	MK Diamond GWP-25G 4 Segment 25Gr Wedge Block



MK Extreme Hard & Green Concrete Diamond Blades

Code	Description
75GXP-360	MK Extreme Hard & Green Concrete Diamond Blades 14" 360 mm
75GXP-410	MK Extreme Hard & Green Concrete Diamond Blades 16" 410mm



Hand Tools & Safety

Paint & Markers

Spray & Mark

Code	Colour	Pack (pc)
742SM-BCK	Black - 350 gm	12
742SM-BL	Blue - 350 gm	12
742SM-Y	Yellow - 350 gm	12
742SM-OR	Orange - 350 gm	12
742SM-W	White - 350 gm	12

Code	Colour	Pack (pc)
742SM-FG	Fluoro Green - 350 gm	12
742SM-FY	Fluoro Yellow - 350 gm	12
742SM-FO	Fluoro Orange - 350 gm	12
742SM-FP	Fluoro Pink - 350 gm	12



Line Marking

Code	Colour	Pack (pc)
841201	500 gm - Black	12
841202	500 gm - Red	12
841203	500 gm - Blue	12
841204	500 gm - Green	12

Code	Colour	Pack (pc)
841205	500 gm - Yellow	12
841206	500 gm - Orange	12
841211	500 gm - White	12
841213	500 gm - Grey	12



Spray Ink

Code	Colour	Pack (pc)
841401	350 gm - Black	12
841402	350 gm - Red	12
841403	350 gm - Blue	12
841404	350 gm - Green	12
841405	350 gm - Yellow	12

Code	Colour	Pack (pc)
841406	350 gm - Orange	12
841407	350 gm - Brown	12
841411	350 gm - White	12
841434	350 gm - Grey	12
841484	350 gm - Dark Green	12



Industrial Lumber Crayon

Code	Colour	Pack (pc)
841601	White	12
841602	Black	12
841603	Blue	12
841604	Green	12
841605	Light Blue	12
841606	Red	12

Code	Colour	Pack (pc)
841607	Yellow	12
841611	Green	12
841612	Orange	12
841613	Fluoro Pink	12
841614	Fluoro Red	12
841615	Fluoro Yellow	12



Chalk Line Mark

Code	Colour	Pack (pc)
841502	350 gm - Red	6
841503	350 gm - Blue	6
841504	350 gm - Green	6

Code	Colour	Pack (pc)
841505	350 gm - Yellow	6
841506	350 gm - Orange	6
841511	350 gm - White	6

Engineering Chalk

Code	Colour	Pack (pc)
841911	Engineering Pencil Chalk	50

Code	Colour	Pack (pc)
841912	Engineering Chalk Split	100



45° Taped Elbows	81	Biorem XT	19	Core Drills	138
ACTIPLY F17 Range	38	Bitumen Impregnated Caneite	54	Corner Brackets	63
Adhesive Spreaders	128	Black Knight Nylon Glove	137	Corner Guards	27
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A-Film	10	Block Magnet	69	Counter Flo	17
Air Powered Fat Boy Foamers	21	Block Magnet - Mini	69	Couplers	99
Air Powered Fatboy Premium Sprayer	22	Blockout Magnets	69	Coving Trowel	129
Air Powered Fatboy Standard Sprayer	22	Bolster Deck Rail	31	Crack Repair Adhesives	88
Airco TRB4000 / XDL-40	49	Bolt Cutters	136	Crayon Lumber	140
Air-Minus	17	Bolts	86	Crete-Lease 20 VOC	8
All Side Up	129	Bond-Breaker	9	Crete-Lease 880	8
All Thread	87	BOSTIK Fireban Firecaulk	92	Crete-Lease 880 Poly Release	8
Altas Double Ended Ferrule Hex	98	BOSTIK Fireban One	92	Crete-Lease Bondbreaker	9
Altas Duo & Bigfoot Gal Ferrules	97	BOSTIK Seal Flex 1	92	Crete-Lease 20 VOC Poly Release	8
Altas Duo & Bigfoot Stainless Steel Ferrules	97	BOSTIK Seal N Flex FC	92	Crete-Trete 309 VOC	10
Altas Duo & Bigfoot Zinc Ferrules	97	Bottom Deck Spacer	27	Crete-Trete 309 VOC	12
ALTAS Ferrule Cross Chair	103	Break-In	18	Cross Bars for Ferrules	101
Altas Gal Couplers	99	Broom Finishing	132	Cross Chairs	29
Altas Pressed Tube Bent End Ferrules	98	Bugger Plate - 5T Capacity	84	CSE Multitop	14
Altas Pressed Tube Straight Ferrules	98	Builder's Film	53	CSE ProRetarders	13
Altas Stainless Steel Couplers	99	Bullfloat - Handles & Accessories	131	CSE Retarder Papers	14
Altas Zinc Couplers	99	Bullfloat - Aluminium	131	CSE Transform "C"	15
Aluminium Bullfloat	131	Cast-In Channels	77	Cub Grinder	120
Aluminium Formwork	62	Cast-In Plate Accessories	71	Cup Wheels	138
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Sealers	12	Tie Bar Hex Couplers - 8.8 Grade	100		
Self Drilling Screws	39	Tie Bar Hex Nuts - 8.8 Grade	100		

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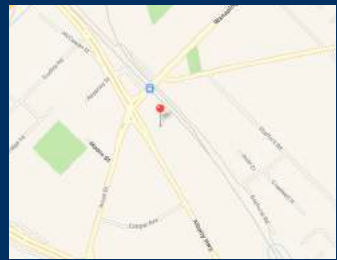
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