

**Paslode**<sup>®</sup>

**SPiit**

**RSJ**  
R.S. Johnston  
Industrial Fastening Systems

CI/StB

Xt6

March 2016

# PRODUCT GUIDE





**Welcome to the new edition of the ITW Construction Products Product Guide.**

In this Product Guide you will find a comprehensive overview of our complete range of products and services including:

- Company Information & Services
- Paslode Branded Products
- SPIT Branded Products
- Technical Information

If you require further information you can contact us in a number of ways:

- Customer Services on FREEPHONE UK: 0800 652 9260 / ROI: 1 800 946 791
- Technical Helpdesk on FREEPHONE UK: 0800 731 4924 / ROI: 1 800 882 388
- Online at [www.itwcp.com](http://www.itwcp.com)
- or through your local sales contact or ITWCP Dealer

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## ITW Construction Products



# CONSTRUCTION PRODUCTS

ITW Construction Products is one of five major divisions of the Illinois Tool Works family, innovating, designing and manufacturing advanced industrial technology.

With six brands, namely Alpine, Gang-Nail, Cullen, Paslode, SPIT and Bravoll, all at the forefront of technology and enterprise for their respective markets, ITW Construction Products are committed to providing advanced trade solutions for professional users.

**Providing advanced trade solutions for professional users**

ITW Construction Products are known for their problem solving nature, and as such always remain a leader in technology, research and development; a trait that enhances our interaction and relationship with our customers and generates increased productivity for our end users.

## Part of a Global Company: ITW Inc



ITW - We are everywhere. With over 12,000 active patents ITW's products and solutions are at work all over the world, in deep-sea oil rigs, aerospace technology, bridges and wind turbines, supporting commercial buildings, healthcare, the spaces in which we live and work, the construction of those spaces, the cars we drive, and the mobile devices we rely on. We are never, whether we know it or not, more than a few steps from an innovative ITW solution.

We are committed to operational excellence and systematic new product development that helps our customers create the products and services that make our lives better.

**Committed to delivering only the highest quality products and services**



**For all timber construction**



**For concrete and steel construction**

### Innovation

The ability to invent, envision, and create something new is central to ITW's longevity and profitable growth. We draw deep insights from our key customer relationships and focus our efforts on designing and patenting new products and components that solve their specific challenges.

## Sustainable differentiation through innovation

Encouraging new ideas and providing a supportive, entrepreneurial framework, has produced ITW's strong culture of sustainable differentiation through innovation.



### R&D, Manufacturing and Product Testing



The majority of our product range is manufactured by ITW business units within Europe. Supported by in-house research and development, these technologically-led manufacturing plants are registered to ISO 9001 and ISO 14001 environmental standards.

Our own COFRAC accredited laboratory test our product developments in accordance with European Technical Approvals. In-house testing of concrete anchors includes use of a cracked concrete simulator and seismic table. This lab alone conducts 40,000 tests per year, using in excess of 600 tons of concrete.

### Approvals and Associations

As part of our continuous product development program, our Technical Team work closely with other leading companies within the construction industry in order to perform specific product testing and approval.



We are also partners/members with the following trade associations:



## Technical Support



## FREE Phone Technical Support Helpline

You can be confident your customers are fully supported when they purchase our products through your business.

Our highly experienced staff can offer advice, perform anchor calculations or organise on-site support visits. Available from 8:00 am – 5:00 pm, Monday to Friday.

**UK: 0800 731 4924**  
**ROI: 1 800 882 388**

Our field engineers are available for any requirement from on-site application and proof load testing, to tool box presentations, i-Expert software training and engineering support.

All our technical documents, product certification, approvals, and safety data is in line with relevant safety standards and readily available online at [www.itwcp.com](http://www.itwcp.com)

## Operator Training

ITW Construction Products offer free of charge, on-site certified training to the end users of our gas and powder actuated tools. The training certificate issued is valid for 2 years after which a refresher course is required.

## FREE of charge certified training

Requirement of certification from ITW CP for use of our fastening systems is one step many employers take to ensure they meet the Provision and Use of Work Equipment Regulations (PUWER).

As a distributor you can organise this training for your customers or, when creating a sales opportunity, use it as a key selling point to large contractors.

Contact [training@itwcp.com](mailto:training@itwcp.com) for information.



## Service Centre



When organising a service for a customer's tool ITW CP will handle the pickup and drop off procedures, making it hassle free for you as a distributor.

We also list our fully trained and approved service centres on-line for our end users to access, which can also provide a gateway to new custom for distributors. Visit [www.itwcp.co.uk/support/servicing](http://www.itwcp.co.uk/support/servicing)

## HASSLE FREE Servicing

**SPIT i-Expert**



SPIT i-Expert is an advanced anchor calculation software for specifiers and engineers.

**Streamline anchor selection processes. Seismic appraisal options**

Featuring a built-in library of many of our anchors, this software can streamline anchor selection processes for your customers with fast calculation and pinpoint accuracy. SPIT i-Expert now includes seismic appraisal options, meaning no level of engineering project is out of your ability to confidently provide anchor designs.

ITW CP offers advice, demonstrations and training on this powerful software as part of our service.

**Advice, demonstrations and full training on SPIT i-Expert**

**CPD's**

Our experienced engineers offer accredited seminars to aid end users who operate in markets we provide solutions for. Our CPD's are regulated by CPDUK ensuring professionalism and subsequent legitimacy.



As a supplier to these specifiers and engineers this allows you to offer them a complete package, bringing a professional technical offering to customers and enhancing your validity with them.

Our engineers are also able to offer guidance and assistance on BS 8539:2012 Code of Practice for the selection and installation of post installed anchors in concrete and masonry.

Contact [cpd@itwcp.com](mailto:cpd@itwcp.com) or call 0800 652 9260 for more information.

**London Underground Approval**



Many of our professional solutions that carry European Technical Approval have been awarded London Underground Approval.

**London Underground Approval**

This is a huge potential benefit in terms of generating public services business and will open up new specialist opportunities for you via these products.

The strict conditions that these approvals come with are listed on the specific technical documents of our individual products and in the appendix of the Product Guide. Refer to page 174.

Look out for the London Underground Approved stamp throughout the Product Guide.



## Customer Support



### **Customer Services Monday to Friday 8:00 AM until 5:30 PM**

Our dedicated team of customer service advisors are always available to take your calls. They can help with:

- processing your orders
- arranging tool repairs
- collections and returns
- answering questions and queries
- putting you in touch with the correct member of our organisation.

Customer services are available from Monday to Friday 8:00 am – 5:30 pm on FREEPHONE:

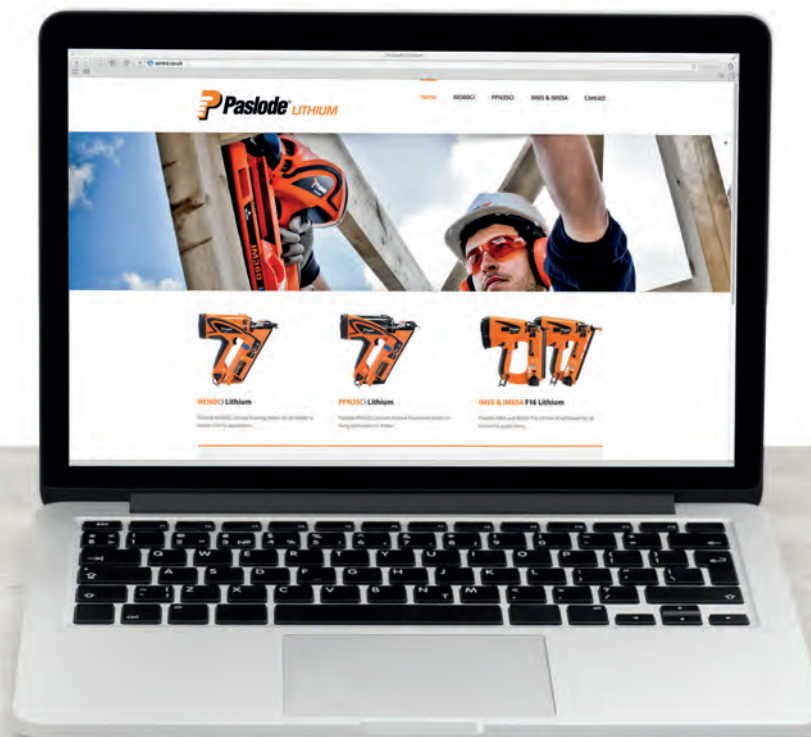
**UK: 0800 833 381  
ROI: 1 800 946 791**

We also conduct regular customer satisfaction surveys together with an independent body to hear what we get right and what we need to work on. Importantly this leads to improvement to the service we provide, addressing your problems, and continually building a profitable working relationship based on human values.

## Online

ITW Construction Products also maintains an expansive website offering 24/7 access to our product information, including datasheets and relevant technical downloads. Through [www.itwcp.com](http://www.itwcp.com) you are able to navigate to our full product offering, your customers can register their newly purchased tools for warranty, and you can provide installation guidelines and instructions for all our anchors and solutions.

We also operate another site [www.seriesi.co.uk](http://www.seriesi.co.uk), specially dedicated to our Paslode Li-ion range, making it a simple first stop for users of our flagship products.





## Merchandising Stands

We offer a variety of point of sale stands allowing you to customise and tailor your Paslode SPIT display areas to the space available in your store.

## Display both tools and consumables clearly and attractively on our stands

## Visual Merchandising Guide

The Visual Merchandising Guide has recommended product display layouts and should give you an idea of a core range that we recommend for each type of stand offering.

The booklet also contains all the point of sale and literature that we have available. The right information being available on the stand can be the difference between making a sale or not. It also minimises the necessity of staff for simple purchases, saving your employees time.

## ALL Literature and Point of Sale options

With this guide you can ensure that your literature is always up to date and stocked up from our comprehensive and extensive library.

A PDF / hard copy is available. Contact [marketing@itwcp.com](mailto:marketing@itwcp.com)



## Marketing Support

We are also able to provide our dealers with marketing support:

- **Product Literature:** Offer a comprehensive range of product fliers and literature which can be used on stands, counters and on-site
- **Banners & Plaques:** Make sure passing customers know you are selling Paslode and/or SPIT products with our outside banners and plaques
- **Logos/Images:** We are also able to provide product images, information and logos for use in your own catalogues, promotional materials and websites







## Paslode Direct Fixings

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### Gas Systems

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## CONSTRUCTION INNOVATION, RELIABILITY & EXPERTISE FOR OVER 75 YEARS!

Paslode has been driving change in timber construction since 1935. Over this time our brand has built an enviable reputation for delivering best-in-class nailing systems, often revolutionising construction methods, reducing labour time whilst increasing product reliability and on-site safety.



### Paslode Delivery System

The Paslode delivery system is made up of 3 major components - the tool, nail and gas. Paslode manufacture all components to the highest quality, maintaining and guaranteeing performance only when all parts are used together.

European Safety Standard EN792-13 states for safe operation of Paslode tools, only those fuel cells and consumables identified in the operating manual should be used.



All Paslode nails are hexavalent chromium, cadmium and lead free.



### Eurocode 5 Service Class

Paslode nails meet or exceed corrosion requirements stated in **Eurocode 5 (EC5)**, thus suitable for all applications in service class 1, 2 and 3.

Service Class 1 INDOORS	Service Class 2 INDOORS NOT HEATED, OUTDOORS PROTECTED	Service Class 3 OUTDOORS, EXPOSED TO WEATHER
BRIGHT		
ELECTRO GALV ≥ 12µm and GALV-PLUS® ≥ 15µm		
HOT DIPPED GALVANISED ≥ 55µm		
STAINLESS STEEL - A2 (AISI 304) OR A4 (AISI 316)		

### Corrosion Resistance

Paramount in determining the appropriate corrosion resistance of any element of a timber structure is the **EC5** requirement to design for a minimum life, normally 50 years (10 years for temporary structures, 100 years for monumental structures or bridges). The Paslode Technical Team have many years of experience in construction applications, nail and service class selection. Please call us if you need further technical advice.



**TOOL**



**NAILS**



**GAS**

### Market Leading Tools

Our range of first and second fix tools provide the freedom, flexibility and reliability required in this ever demanding industry.

Our innovative gas tool range is researched, manufactured and tested within our own group of companies, giving us the quality and control needed to adapt to the changing horizon.



### Premium Fixings

All Paslode nails are Eurocode 5 compliant and were the first nails to achieve CE marking. Technical data sheets and declaration of performance are available upon request. Characteristic values are calculated or tested according to EN 14592:2008 and A1:2012, except for the Paslode PPN square twist nails which are declared according to ETA-09/0273.

Paslode full round head RounDrive® is now available in over 80% of the range. Unique to Paslode, sight of the full round head nail when installed offers the assurance that a Eurocode 5 compliant nail has been used.

Our new colour coded paper collation system provides easy out of the box Service Class identification and provides a delivery system that reduces blank and misfires, even in poor weather.

### Greener, Cleaner Gas

Paslode **SERIES-i** tools are powered by an intelligent fuel injection system. The fuel injection valve delivers the exact dosage of fuel required for the temperature, giving you the nailing performance in all UK temperatures and minimizing excess gas wastage.

Both IM360Ci & IM350+ fuel cells deliver a high quality lubricant into the tool chamber with each shot. This prevents a high carbon build up within the tool, giving extended service life whilst keeping the tool at an optimum performance level.



max  
13,000   
per charge

**START  
& GO<sup>®</sup>**

MAXIMISE  
BATTERY  
CAPACITY

# EMBARK ON A NEW ERA IN GAS TECHNOLOGY

## **IM360*ci*** *Lithium*



UP TO  
**13,000**

## SMARTER TOOL. MORE NAILS

The IM360Ci Li-ion Cordless Framing Nailer is compact, lightweight and balanced with 25% more power. Increased productivity to get the job done.



### 1 Works in all weather

Our unique gas technology works in the cold down to -15°C

### 2 Fuel & battery gauge

One touch control providing instant information

### 3 On/Off battery with lock position

Secure the battery and tool while not in use

### 4 Quick charge, long life Li-ion+ battery

Up to 13,000 shots between charges

**13% MORE NAILS FOC**

Compared to IM350+Box Vs Box Size



## 1 BATTERY FOR 5 TOOLS

**NEW** battery with twice the capacity!  
Our Li-ion+ battery that works with:

- IM360Ci Framing Nailer
- PPN35Ci Positive Placement Nailer
- IM65 Straight Brad Nailer
- IM65A Angled Brad Nailer
- IM50 Fine Finish Brad Nailer

**Li-ion+**



Li-ion



NiCAD



**UP TO 13,000 SHOTS PER CHARGE**

# SHOTS PER CHARGE

# Paslode Gas Systems

## Paslode IM360Ci Li-ion Gas Framing Nailer



**Paslode IM360Ci Li-ion cordless framing nailer offers best in class tool power, RounDrive® nails and NailScrew®, a long life Li-ion+ battery and outstanding cold weather performance, making it the only solution for the construction professional.**

### Applications

- Timber frame
- Truss work
- Stud work
- Roof battening
- External cladding
- Joists
- Floor boarding
- Noggins
- Soffits
- Roof decking
- Roofing
- Fencing
- Shuttering
- Decking
- Overboarding
- Hoarding

### Features and Benefits

- Premium gas technology Li-ion nailer with intelligent power saving technology, increasing battery life up to 25%
- Incredible cold weather performance allows users to work down to -15°C
- Quick charge Li-ion+ battery: 13,000 shots per single charge, 200 in just 2 minutes
- One touch LED indicator shows remaining power and fuel
- IM360Ci fires both standard Paslode nails and innovative removable NailScrew®
- Improved aggressive probe / Easy to use depth adjuster
- On/off battery with lock position secures the battery and tool when not in use
- Market leading power to weight ratio

Innovative sensor



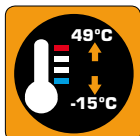
LED indicator



Long life battery



All weather



### Code & Description

Code	Description	Qty
O10391	IM360Ci Li-ion Framing Nailer	1

### Technical Specifications

Product weight with battery:	3.8 kg
Dimensions:	384 x 328 x 127mm
Impact force max:	105 J
Nail range:	50 - 90 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	47 nails
Long magazine capacity:	85 nails
Fuel cell capacity:	1,250 shots (-5°C)
Fixings per battery charge:	13,000
Battery charge time:	90 mins
Battery type:	Li-ion+
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	109 dB(A)
Sound Pressure Level LpCpeak:	138 dB(A)
<b>Vibration (EN ISO 8662-11) HAV:</b>	3.9 m/s <sup>2</sup>

### Kit Contains

- IM360Ci framing nailer
- High impact carry case
- Li-ion+ battery 2.1Ah
- Li-ion battery charger
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity





## Paslode IM360Ci Nail Fuel Packs



**RoundDrive® Nails (Premium Fixing)** - A unique FULL HEAD design for 34° paper strip collation which offers optimum performance and the best quality finish available.



### STAINLESS STEEL NAILS

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	ST/ST	Fuel Cells	Box Qty
142045	2.8	51	Ring	A2	1	1,250
142047	2.8	63	Ring	A2	1	1,250
142055	2.8	63	Ring	A4	1	1,250
142050	3.1	80	Ring	A2	1	1,250



### HOT DIPPED GALVANISED NAILS, min 55µm

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Fuel Cells	Box Qty
142014	2.8	63	Ring	3	3,750
142025	3.1	63	Ring	2	2,500
142031	3.1	75	Ring	2	2,500
142039	3.1	90	Smooth	2	2,500
142040	3.1	90	Ring	2	2,500



### GALV-PLUS® NAILS, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Fuel Cells	Box Qty
142007	2.8	51	Ring	3	3,750
142062	2.8	51	Ring	1	1,250
142013	2.8	63	Ring	3	3,750
142063	2.8	63	Ring	1	1,250
142024	3.1	63	Ring	2	2,500
142030	3.1	75	Ring	2	2,500
142037	3.1	90	Smooth	2	2,500
142065	3.1	90	Smooth	1	1,250
142038	3.1	90	Ring	2	2,500



### BRIGHT NAILS, min 5µm

Indoor. Service Class 1.

Code	Ø (mm)	Length (mm)	Shank	Fuel Cells	Box Qty
142005	2.8	51	Ring	3	3,750
142011	2.8	63	Ring	3	3,750
142029	3.1	75	Ring	2	2,500
142035	3.1	90	Smooth	2	2,500
142036	3.1	90	Ring	2	2,500

## Paslode NailScrew® Nailscrew Fuel Packs



**NailScrew® Fasteners** - Six times faster than standard wood screws, offering improved fixing performance versus ring shank nails, with the ability to remove and rescrew. Ideal for cladding and temporary fixings.



### STAINLESS STEEL A2-304 NAILScrew

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Drive	Fuel Cells	Box Qty
142101	2.8	50	Screw	TX15	1	1,250
142103	2.8	65	Screw	TX15	1	1,250
142105	2.8	75	Screw	TX15	1	1,250

FREE TORX BIT IN EVERY BOX.



### ELECTRO GALVANISED NAILScrew, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Drive	Fuel Cells	Box Qty
142100	2.8	50	Screw	TX15	1	1,250
142102	2.8	65	Screw	TX15	1	1,250
142104	2.8	75	Screw	TX15	1	1,250

FREE TORX BIT IN EVERY BOX.

## Accessories

Code	Description	Qty
300348	SERIES-i Fuel Cell Blister Pack	1
018880	Li-ion+ Battery 2.1Ah	1
018882	Li-ion Battery Charger	1
018889	Standard Magazine	1
013225	Long Magazine	1
013211	No-Mar Cladding Probe	1
013256	No-Mar Cladding Probe Rubber Tip	1
210610	No Mar Tip	1
013221	Tongue & Groove Probe	1
013223	Steel Tile Probe	1
014974	Ci Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



018880



300348



013690



013211

# Paslode Gas Systems

## Paslode PPN35Ci Li-ion Positive Placement Nailer



The PPN35Ci Li-ion cordless positive placement nailer provides a fast, safe way of installing hangers, brackets & straps. The innovative locator probe accurately delivers a hardened square twist nail in the precise required location.

### Applications

- Joist hangers
- Restraint straps
- Truss clips
- Angle brackets
- Connector plates
- Z-Clips

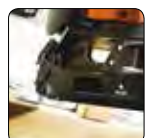
### Features and Benefits

- Fires up to 3 nails per second, faster than any hammer in the world
- Quick charge Li-ion+ battery provides up to 13,000 shots per single charge, 200 in just 2 minutes
- Incredible cold weather performance allows users to work down to -15°C
- Premium gas technology Li-ion nailer with intelligent power saving technology, increasing battery life up to 25%
- One touch LED indicator shows remaining power and fuel
- Easy to use tool free adjustable depth of drive

Innovative sensor



Hole locator probe

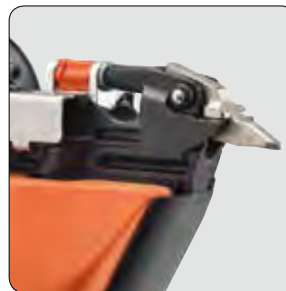
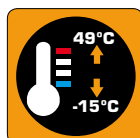


Long life battery



UP TO  
13,000  
SHOTS  
PER CHARGE

All weather



### Code & Description

Code	Description	Qty
014095	PPN35Ci Li-ion Positive Placement Nailer	1

### Technical Specifications

Product weight with battery:	4.0 kg
Dimensions:	384 x 328 x 127mm
Impact force max.:	95 J
Nail range:	35 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	27 nails
Fuel cell capacity:	1,250 shots (-5°C)
Fixings per battery charge:	13,000
Battery type:	Li-ion+
Battery charge time:	90 mins
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	111 dB(A)
Sound Pressure Level LpCpeak:	137 dB(A)
Vibration (EN ISO 8662-11) HAV:	3.9 m/s <sup>2</sup>

### Kit Contains

- PPN35Ci positive placement nailer
- High impact carry case
- Li-ion+ battery 2.1Ah
- Li-ion battery charger
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



## Paslode PPN35Ci Nail Fuel Packs



The PPN35Ci drives an ETA approved, CE compliant hardened twist nail through connectors and hangers into solid wood beams.



**ELECTRO GALVANISED NAILS, min 12µm**  
Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Fuel Cells	Box Qty
141189	3.4	35	Twist	1	1 250
141185	3.4	35	Twist	2	2,500

### Accessories

Code	Description	Qty
300348	SERIES-i Fuel Cell Blister Pack	1
018880	Li-ion+ Battery 2.1Ah	1
018882	Li-ion Battery Charger	1
018889	Standard Magazine	1
014099	Probe Kit	1
014974	Ci Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



018880



018882



013690



014099



# Paslode Gas Systems

## Paslode IM350+ Gas Framing Nailer



**Paslode IM350+ gas framing nailer has been the market leading tool in timber to timber construction for the past 30 years. Proven, unrivalled gas technology provides performance and reliability, surpassed only by the IM360Ci.**

### Applications

- Roof battening
- Trusses assembly
- Timber frame
- Cladding
- Stud work
- Joists
- Roof boarding
- Flat roofing
- Overboarding
- Floor boarding
- Panelling
- Shuttering
- Decking
- Hoarding

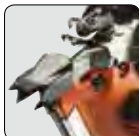
### Features and Benefits

- Excellent weight and balance enables extended work periods with low user fatigue
- Multi-angled teeth nose probe provides additional bite to prevent tool sliding and ensure positive placement in timbers
- Non-slip soft grip handle gives additional user comfort
- Easy to use pinch and slide depth of drive adjustment
- Dual action rafter and belt hook

Soft grip handle



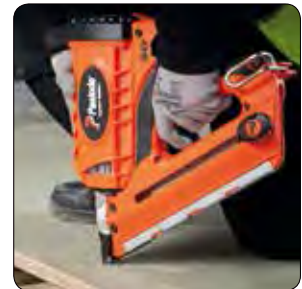
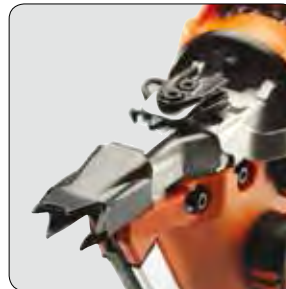
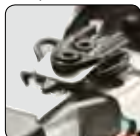
Nose probe



Rafter/belt hook



Pinch and slide depth of drive



### Code & Description

Code	Description	Qty
O14801	IM350+ Framing Nailer	1

### Technical Specifications

Product weight with battery:	3.4 kg
Dimensions:	370 x 305 x 110mm
Impact force max.:	82 J
Nail range:	51 - 90 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	55 nails
Fuel cell capacity:	1,100 shots
Fixings per battery charge:	4,000
Battery type:	Ni-Cd
Battery charge time:	120 min
Noise Emission (BS EN 12549)	
Sound Power Level LwA 1s 1m:	102 dB(A)
Sound Pressure Level LpCpeak:	<130 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.6 m/s <sup>2</sup>

### Kit Contains

- IM350+ framing nailer
- High impact carry case
- 2 x Ni-Cd batteries
- Battery charger (230V)
- AC/DC adaptor
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



## Paslode IM350+ Nail Fuel Packs



Paslode nails offer optimum performance and high quality paper strip collation. Manufactured to Eurocode 5, our nails provide a guaranteed quality and service level unsurpassed within timber construction.



### STAINLESS STEEL A2-304 NAILS

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Fuel Cells	Box Qty
141257	2.8	51	Ring	DH	1	1,100
141261	2.8	63	Ring	DH	1	1,100
141266	3.1	80	Ring	FRH	1	1,100



### HOT DIPPED GALVANISED NAILS, min 55µm

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Fuel Cells	Box Qty
141205	2.8	51	Ring	DH	3	3,300
141260	2.8	63	Ring	DH	1	1,100
141211	2.8	63	Ring	DH	3	3,300
141222	3.1	63	Ring	FRH	2	2,200
141265	3.1	75	Ring	FRH	1	1,100
141228	3.1	75	Ring	FRH	2	2,200
141267	3.1	90	Smooth	FRH	1	1,100
141235	3.1	90	Smooth	FRH	2	2,200
141236	3.1	90	Unilock	FRH	2	2,200



### GALV-PLUS® NAILS, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Fuel Cells	Box Qty
141256	2.8	51	Ring	DH	1	1,100
141204	2.8	51	Ring	DH	3	3,300
141259	2.8	63	Ring	DH	1	1,100
141210	2.8	63	Ring	DH	3	3,300
141263	3.1	63	Ring	FRH	1	1,100
141221	3.1	63	Ring	FRH	2	2,200
141227	3.1	75	Ring	FRH	2	2,200
141234	3.1	90	Smooth	FRH	2	2,200



### BRIGHT NAILS, min 5µm

Indoor, Service Class 1.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Fuel Cells	Box Qty
141202	2.8	51	Ring	DH	3	3,300
141208	2.8	63	Ring	DH	3	3,300
141226	3.1	75	Ring	FRH	2	2,200
141233	3.1	90	Smooth	FRH	2	2,200

○ FRH = Full Round Head    ◐ DH = D Head (Clipped)



### HARDENED STEEL BLACK NAILS

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Fuel Cells	Box Qty
141200	2.5	50	Ring	2	2,200

### Accessories

Code	Description	Qty
404717	Ni-Cd Battery	1
900200	Ni-Cd Battery Charger with AC / DC Adaptor	1
035460	Ni-Cd Battery Charger Base	1
210660	AC / DC Adaptor	1
300346	Standard Fuel Cell Blister Pack Pink - IM350+ & IM350 (Pack of 2)	1
404705	No-mar Work Contact Element Adaptor Kit (Allen key type depth of drive)	1
012082	No-mar Work Contact Element Adaptor Kit (Butterfly clip type depth of drive)	1
014978	IM350+ / IM350 Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



404717



300346



013690



014978

# Paslode Gas Systems

## Paslode IM65 F16 Li-ion Gas Straight Brad Nailer



**Paslode Impulse IM65 F16 Li-ion cordless brad nailer provides extended work periods with up to 10,000 shots between charges, class-leading weight and balance and an accurate yet easy to use depth of drive. Ideal tool power ensures an ideal finish in all soft woods and dense MDF.**

### Applications

- Door stops
- Tongue and groove panelling
- Architraves
- Window casing
- Dado rail
- Skirting boards
- Beading
- Stair rails

### Features and Benefits

- Quick charge Li-ion+ battery provides up to 10,000 shots per single charge, 200 in just 2 minutes
- Improved weight and balance allows any user to manoeuvre into tight spaces and work without fatigue all day
- No-mar contact with sight lines gives accurate placement and prevents the need for additional fixings
- Nail lockout prevents blank firing and minimises wood damage
- Quick clear nose cover provides easy access in the unlikely event of a jam
- Easy rear loading magazine holds 2 strips of brads
- Reversible belt hook & on/off battery lock position

Quick charge long life battery



Reversible belt hook



Tool free depth adjuster



On/off position



### Code & Description

Code	Description	Qty
O13323	IM65 F16 Li-ion Brad Nailer	1

### Technical Specifications

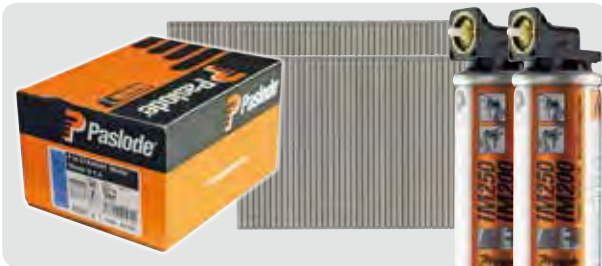
Product weight with battery:	2.1 kg
Dimensions:	301 x 288 x 90mm
Impact force max.:	30 J
Brad range:	16 - 63 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	100 brads
Fuel cell capacity:	1,000 shots
Fixings per battery charge:	10,000
Battery type:	Li-ion+
Battery charge time:	90 mins
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	102 dB(A)
Sound Pressure Level LpCpeak:	<130 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.5 m/s <sup>2</sup>

### Kit Contains

- IM65 F1 brad nailer
- High impact carry case
- Li-ion+ battery 2.1Ah
- Li-ion battery charger
- Short brads kit for IM65
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



## Paslode IM65 / IM250 F16 Brad Fuel Packs



Paslode brads are a precision fixing manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



### STAINLESS STEEL A2-304 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Fuel Cells	Box Qty
921593	1.6	25	16	2	2,000
921594	1.6	38	16	2	2,000
921595	1.6	50	16	2	2,000
921596	1.6	63	16	2	2,000



### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Fuel Cells	Box Qty
921585	1.6	16	16	2	2,000
921586	1.6	19	16	2	2,000
921587	1.6	25	16	2	2,000
921588	1.6	32	16	2	2,000
921589	1.6	38	16	2	2,000
921590	1.6	45	16	2	2,000
921591	1.6	50	16	2	2,000
921592	1.6	63	16	2	2,000

### Accessories

Code	Description	Qty
300341	Mini Fuel Cell Blister Pack Yellow (Pack of 2)	1
018880	Li-ion+ Battery 2.1Ah	1
018882	Li-ion Battery Charger	1
012027	Panelling Probe for IM65	1
219236	IM65 Nose Tips (Pack of 3)	1
014975	Trim Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



300341



014975



401482



013690



# Paslode Gas Systems

## Paslode IM65A F16 Li-ion Gas Angled Brad Nailer



**Paslode Impulse IM65 F16 Li-ion cordless angled brad nailer is designed specifically for working in hard to reach tight spaces and corners. Provides extended work periods with up to 10,000 shots between charges and an optimum line of sight. Ideal tool power ensures an ideal finish in all soft woods and dense MDF.**

### Applications

- Door stops
- Tongue and groove panelling
- Architraves
- Window casing
- Dado rail
- Skirting boards
- Beading
- Stair rails

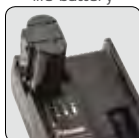
### Features and Benefits

- Quick charge Li-ion+ battery provides up to 10,000 shots per single charge, 200 in just 2 minutes
- An angled magazine plus improved weight and balance allows any user to manoeuvre into tight spaces and work without fatigue all day
- No-mar contact with sight lines gives accurate placement and prevents the need for additional fixings
- Nail lockout prevents blank firing and minimises wood damage
- Quick clear nose cover provides easy access in the unlikely event of a jam
- Easy rear loading magazine holds 2 strips of brads
- Reversible belt hook & on/off battery lock position

Optimum line of sight



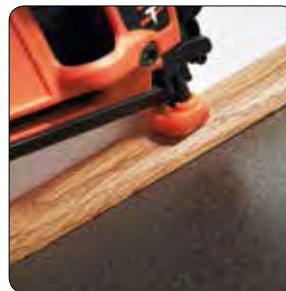
Quick charge long life battery



Reversible belt hook



Tool free depth adjuster



### Code & Description

Code	Description	Qty
O13313	IM65A F16 Li-ion Brad Nailer	1

### Technical Specifications

Product weight with battery:	2.0 kg
Dimensions:	303 x 288 x 90mm
Impact force max.:	30 J
Brad range:	32 - 64 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	100 brads
Fuel cell capacity:	1,000 shots
Fixings per battery charge:	10,000
Battery type:	Li-ion+
Battery charge time:	90 mins
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	105 dB(A)
Sound Pressure Level LpCpeak:	131 dB(A)
<b>Vibration (EN ISO 8662-11) HAV:</b>	2.8 m/s <sup>2</sup>

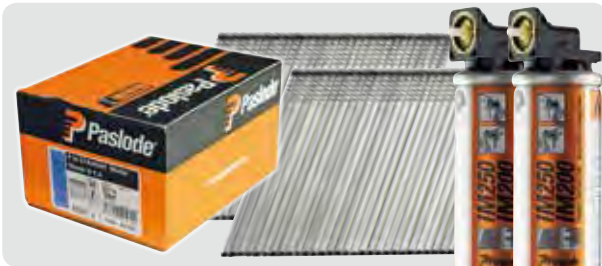
### Kit Contains

- IM65A F16 brad nailer
- High impact carry case
- Li-ion+ battery 2.1Ah
- Li-ion battery charger
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity





## Paslode IM65A / IM250A F16 Brad Fuel Packs



Paslode brads are a precision fixing manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



### STAINLESS STEEL A2-304 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Fuel Cells	Box Qty
300276	1.6	32	16	2	2,000
300277	1.6	38	16	2	2,000
300279	1.6	50	16	2	2,000
300280	1.6	64	16	2	2,000



### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Fuel Cells	Box Qty
300270	1.6	32	16	2	2,000
300271	1.6	38	16	2	2,000
300272	1.6	45	16	2	2,000
300273	1.6	51	16	2	2,000
300274	1.6	63	16	2	2,000

### Accessories

Code	Description	Qty
300341	Mini Fuel Cell Blister Pack Yellow (Pack of 2)	1
018880	Li-ion+ Battery 2.1Ah	1
018882	Li-ion Battery Charger	1
018930	Panelling Probe for IM65A	1
902425	IM65A Nose Tips	1
014975	Trim Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



300341



014975



401482



013690



# Paslode Gas Systems

## Paslode IM45 GN Multi-Purpose Plastic Coil Nailer



The IM45 GN plastic coil nailer is the first lightweight & compact multi-purpose cordless coil nailer. This versatile nailer has a diverse range of nails to suit many applications including metal roofing, cladding, fencing and packaging.

### Applications

- Metal roof installation
- Edge protection
- Overboarding
- Packaging
- Fencing
- TV & film set construction
- Flashing
- Drywall to timber

### Features and Benefits

- Our unique delivery system is in a class of its own. Simple yet versatile, the collation provides a platform to suit many applications
- Delivers a perfect flush finish every time
- All nail types come in a high capacity 125 nail magazine, which increases productivity with less user down time
- Optimised nose design and clear line of sight makes it easier to fix accurately, even in tight spaces
- Easy to use tool free adjustable depth of drive prevents drift during tool use resulting in a consistent desired finish.
- With our patented last nail lock out system, the tool stops firing when empty, preventing unnecessary driver blade impact and damage

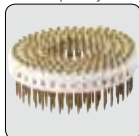
Light and versatile



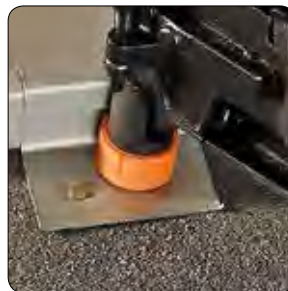
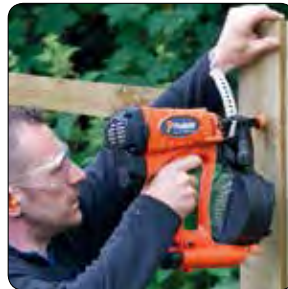
Perfect flush finish



High nail capacity



No debris nail collation



### Code & Description

Code	Description	Qty
O18606	IM45 GN Multi-Purpose Plastic Coil Nailer	1

### Technical Specifications

Product weight with battery:	2.87 kg
Dimensions:	335 x 296 x 135mm
Impact force max.:	30 J
Nail range:	24 - 45 mm
Max cycle rate per sec (fixings):	2
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	125 nails
Fuel cell capacity:	1,000 shots
Fixings per battery charge:	2,200
Battery type:	Ni-Cd
Battery charge time:	120 mins
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	86 dB(A)
Sound Pressure Level LpCpeak:	<130 dB(A)
<b>Vibration (EN ISO 8662-11) HAV:</b>	2 m/s <sup>2</sup>

### Kit Contains

- IM45 GN plastic coil nailer
- High impact carry case
- 2 x Ni-Cd batteries
- Battery charger
- Allen key
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



## Paslode IM45 GN Nail Fuel Packs



Paslode IM45 GN nails are designed with specific applications in mind but are suitable for many others. Manufactured to Eurocode 5 Paslode nails provide a guaranteed quality and service level unsurpassed within timber construction.



### STAINLESS STEEL A2-304 NAILS

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head	Fuel Cell	Box Qty
<b>IDEAL FOR METAL ROOFING</b>						
142201	2.8	25	Ring	Smooth	1	1,000
142202	2.8	32	Ring	Smooth	1	1,000
<b>IDEAL FOR COMPOSITE TILES</b>						
142207	2.5	35	Ring	Smooth	1	1,000



### HOT DIPPED GALVANISED NAILS, min 55µm

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head	Fuel Cell	Box Qty
<b>IDEAL FOR METAL ROOFING</b>						
142200	2.8	25	Ring	Smooth	1	1,000



### GALV-PLUS® NAILS, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

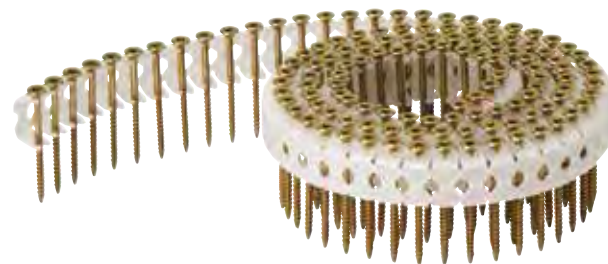
Code	Ø (mm)	Length (mm)	Shank	Head	Fuel Cell	Box Qty
<b>IDEAL FOR PACKAGING AND FENCING</b>						
142205	2.5	35	NailScrew	Torx	1	1,000
142206	2.5	40	NailScrew	Torx	1	750
142208	2.5	45	Uni-lock	Smooth	1	750



### ELECTRO GALVANISED NAILS

Indoor. Service Class 1.

Code	Ø (mm)	Length (mm)	Shank	Head	Fuel Cell	Box Qty
<b>IDEAL FOR DRYWALL TO TIMBER</b>						
142203	2.5	35	Ring	Bugle	1	1,000



## Accessories

Code	Description	Qty
575722	IM45 GN Fuel Cells (Pack of 2)	1
404717	Ni-Cd Battery	1
900200	Battery Charger with AC/DC Adaptor	1
035460	Battery Charger Base	1
210660	AC/DC Adaptor	1
014972	Trim Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



575722



404717



115251



013690

## Paslode IM200

### Nail Fuel Packs Only



### STAINLESS STEEL A2-304 NAILS

Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head	Fuel Cell	Box Qty
141176	2.8	25	Ring		1	2,000
141156	2.8	32	Ring		1	2,000



# Paslode Gas Systems

## Paslode IM50 F18 Li-ion Gas Fine Finish Brad Nailer



**IM50 cordless brad nailer is a fine finishing brad tool ideal for more intricate work, delivering a straight 1.2mm brad from 16mm to 50mm**

### Applications

- Skirting board
- Cabinet work
- Furniture trim
- Glazing bead
- Exhibition/Display
- Shop fitting
- Beading
- Panelling

### Features and Benefits

- Consistent excellent fine finish suitable for delicate work
- Improved weight and balance allows any user to manoeuvre into tight spaces, fatigue free
- Quick charge Li-ion+ battery provides 10,000 shots per single charge, 200 in just 2 minutes

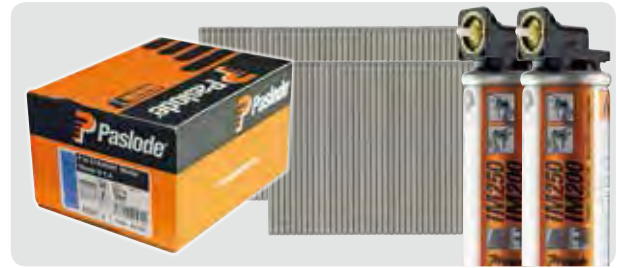
### Code & Description

Code	Description	Qty
013333	IM50 Li-ion Fine Finish Nailer	1

### Technical Specifications

Product weight with battery:	2.1 kg
Dimensions:	307 x 288 x 90mm
Impact force max.:	25 J
Brad range:	16 - 50 mm
Max cycle rate per sec (fixings):	2-3
Max cycle rate per hour (fixings):	1,000
Magazine capacity:	100 nails
Fuel cell capacity:	1,000 shots
Fixings per battery charge:	10,000
Battery type:	Li-ion+
Battery charge time:	90 mins
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	101 dB(A)
Sound Pressure Level LpCpeak:	<130 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.3 m/s <sup>2</sup>

## Paslode IM50 F18 Brad Fuel Packs



**Paslode brads are a precision fixing manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.**



### ELECTRO GALVANISED BRADS Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Fuel Cells	Box Qty
395192	1.2	16	18	2	2,000
395193	1.2	25	18	2	2,000
395194	1.2	32	18	2	2,000
395195	1.2	38	18	2	2,000
395196	1.2	50	18	2	2,000

### Kit Contains

- IM50 Brad Nailer
- High impact carry case
- Li-ion+ battery 2.1Ah
- Li-ion battery charger
- Safety glasses to EN166:F
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



### Accessories

Code	Description	Qty
300341	Mini Fuel Cell Blister Pack Yellow (Pack of 2)	1
018880	Li-ion+ Battery	1
018882	Li-ion Battery Charger	1
901048	Hard Contact Element	1
901067	Soft Contact Element	1
014975	Trim Tool Carry Case	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



## Paslode IM200 / 50 S16 Heavy Duty Gas Stapler



Heavy Duty Cordless Stapler is used for medium to heavy duty stapling applications.

### Applications

- Overboarding
- Packaging
- Wood
- Plasterboard
- Fire protection with FP Conversion Kit 013015 (fireproofing plasterboard)

### Features and Benefits

- Cordless, self powered: No hoses, compressors or setting up time
- Quick clear feature: Allowing easy access to nose, reducing down time
- Lightweight: Centrally balanced body with textured 'Sure Grip' handle

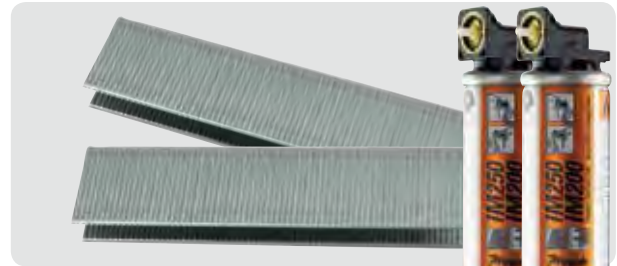
### Code & Description

Code	Description	Qty
900078	IM200 / 50 S16 Stapler	1

### Technical Specifications

Product weight with battery:	3.1 kg
Dimensions:	343 x 318 x 105mm
Impact force max.:	35 J
Staple range:	19 - 50 mm
Max cycle rate per sec (fixings):	2
Max cycle rate per hour (fixings):	500
Magazine capacity:	150 staples
Fuel cell capacity:	1,000 shots
Fixings per battery charge:	4,000
Battery type:	Ni-Cd
Battery charge time:	120 mins
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	90 dB(A)
Sound Pressure Level LpCpeak:	<130 dB(A)
Vibration (EN ISO 8662-11) HAV	Below declaration limit

## Paslode IM200 / 50 S16 Staple Fuel Packs



Paslode staples are a precision fixing manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



### ELECTRO GALVANISED STAPLES Indoor. Service Class 1.

Code	Wire Ø (mm)	Length (mm)	Gauge (GS)	Point	Fuel Cells	Box Qty
054520	1.6	19	16	Chisel	3	3,000
012306	1.6	25	16	Divergent	3	3,000
054522	1.6	35	16	Chisel	3	3,000
012302	1.6	50	16	Chisel	3	3,000

### Kit Contains

- IM200 / 50 Stapler
- High impact carry case
- 1 x Ni-Cd battery
- Battery charger
- Safety glasses to EN166:F
- AC/DC Adaptor
- Impulse lubricant
- Cleaning solution
- Allen key
- Instruction manual
- Safety instructions
- CE Declaration of Conformity



### Accessories

Code	Description	Qty
300341	Mini Fuel Cell Blister Pack Yellow (Pack of 2)	1
402500	Ni-Cd Battery 0.9Ah	1
900200	Battery Charger with AC / DC Adaptor	1
035460	Battery Charger Base	1
210660	AC / DC Adaptor	1
013015	IM200 S16 Fire Protection Conversion Kit	1
900507	In-car Charger Adaptor	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



# Paslode Pneumatic Systems

## Paslode PSN100.1 Pneumatic Framing Nailer



The high power and versatile PSN100.1 Pneumatic Framing Nailer has been tested in tough conditions and is built to last.

### Applications

- Framing
- Floor decking
- Wall cladding & sheathing
- Export packaging
- Site erection
- Fencing

### Features and Benefits

- Reliable, consistent nailing with a high cycle rate allows for rapid work with little down time
- Lightweight housing reduces operator fatigue
- Excellent power to weight ratio



### Code & Description

Code	Description	Qty
502900	PSN100.1 Framing Nailer	1

### Technical Specifications

Product weight:	3.9 kg
Dimensions:	500 x 380 x 130mm
Fastener length range:	51 - 100 mm
Max cycle rate per second:	12 nails
Magazine capacity:	90 nails
Actuation mode:	Sequential
Operating pressure:	80 - 120 PSI (5.5 - 8.3 bar)
Air consumption:	2.7 litres
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	98.1 dB(A)
Sound Pressure Level LpCpeak:	85.1 dB(A)
Vibration (EN ISO 8662-1) HAV:	6.2 m/s <sup>2</sup>

### Kit Contains

- PSN100.1 framing nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- Allen key



## Paslode PSN100.1 Nail Packs



Paslode nails offer optimum performance and high quality paper strip collation. Manufactured to Eurocode 5, our nails provide a guaranteed quality and service level unsurpassed within timber construction.



**HOT DIPPED GALVANISED NAILS, min 55µm**  
Outdoor, exposed to weather. Service Class 3.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Box Qty
140389	3.1	90	Smooth	FRH	4,000



**GALV-PLUS® NAILS, min 12µm**  
Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Box Qty
141002	2.8	51	Ring	DH	8,000
141006	3.1	75	Smooth	FRH	4,600
141008	3.1	90	Smooth	FRH	4,000
141011	3.1	90	Ring	FRH	3,800
140485	3.4	100	Smooth	FRH	3,000



**BRIGHT NAILS, min 5µm**  
Indoor. Service Class 1.

Code	Ø (mm)	Length (mm)	Shank	Head Style	Box Qty
092603	2.8	51	Smooth	DH	8,000
092619	2.8	51	Ring	DH	8,000
141050	2.8	63	Smooth	DH	6,000
141049	2.8	63	Ring	DH	6,000
090082	2.8	70	Smooth	DH	6,000
090078	3.1	70	Smooth	FRH	5,000
090081	2.8	75	Smooth	DH	5,000
140057	2.8	75	Ring	DH	5,000
140060	3.1	75	Ring	FRH	4,000
090083	2.8	80	Smooth	DH	5,000
140025	3.1	90	Smooth	FRH	4,000
140062	3.1	90	Ring	FRH	3,500

○ FRH = Full Round Head    ◐ DH = D Head (Clipped)



## Paslode F250S PP Pneumatic Positive Placement Nailer



The F250S PP Positive Placement Nailer provides a fast, safe way of installing hangers, brackets and straps. The innovative locator probe accurately delivers a hardened square twist nail in the precise required location.

### Applications

- Joist hangers
- Restraint straps
- Truss clips
- Angle brackets
- Connector plates
- Z-clips

### Features and Benefits

- Fires up to 10 nails per second, faster than any hammer in the world
- Reliable, consistent nailing with a high cycle rate allows for rapid work with little down time
- Titanium coated nose probe ensures longer life

### Code & Description

Code	Description	Qty
500855	F250S PP Pneumatic Positive Placement Nailer	1

### Technical Specifications

Product weight:	4.0 kg
Dimensions:	352 x 130 x 495mm
Fastener length range:	35 mm
Max cycle rate per second:	10 nails
Magazine capacity:	48 nails
Actuation mode:	Sequential
Operating pressure:	80 -120 PSI 5.5 - 8.3 bar
Air consumption:	2.2 litres
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	100 dB(A)
Vibration (EN ISO 8662-11) HAV:	5.9 m/s <sup>2</sup>

## Paslode F250S PP Nail Packs



The FP250 PP drives ETA approved, CE compliant hardened twist nails through connectors and hangers into solid wood beams.



### ELECTRO GALVANISED NAILS, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Point Type	Box Qty
140588	3.4	35	Twisted	Diamond	3,000

### Kit Contains

- F250S positive placement nailer
- Safety glasses to EN166:F





## Paslode CNP65.1 Pneumatic Coil Nailer



The Paslode CNP65.1 is a lightweight high performance nailer, which is ideal for high volume industrial applications. The unique plastic coil reduces debris and increases user safety.

### Applications

- Fencing
- Packaging
- Wall cladding / sheathing
- Industrial joinery
- Pre-fab construction

### Features and Benefits

- Large capacity magazine with easy view cover
- Lightweight magnesium alloy body reduces operator fatigue
- Optimal balance and tool-free depth adjustment

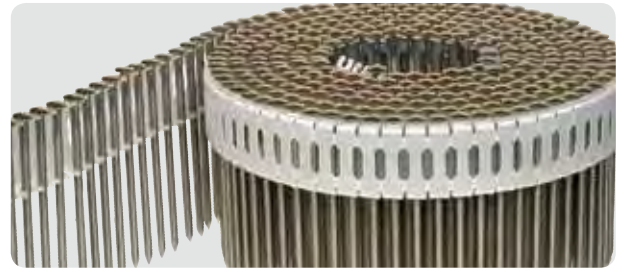
### Code & Description

Code	Description	Qty
505706	CNP65.1 Plastic Coil Nailer	1

### Technical Specifications

Product weight:	2.1 kg
Dimensions:	318 x 320 x 146mm
Fastener length range:	27 - 65 mm
Magazine capacity:	325 nails
Actuation mode:	Sequential
Operating pressure:	80 -120 PSI 5.5 - 8.3 bar
Air consumption:	3.0 litres
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	89 dB(A)
Sound Pressure Level LpCpeak:	76 dB(A)
<b>Vibration (EN ISO 8662-11) HAV:</b>	4.99 m/s <sup>2</sup>

## Paslode CNP65.1 Nail Packs



Paslode plastic coil collation is the safest, cleanest and most productive nailing system. Our high quality fasteners ensure the consistent high performance that minimises downtime and expensive remedial work.



### ELECTRO GALVANISED NAILS, min 12µm

Indoor not heated, outdoor protected. Service Class 2.

Code	Ø (mm)	Length (mm)	Shank	Point Type	Box Qty
392914	2.1	40	Ring	Chisel	11,700
313439	2.9	50	Ring	Diamond	9,000



### BRIGHT NAILS, min 5µm

Indoor. Service Class 1.

Code	Ø (mm)	Length (mm)	Shank	Point Type	Box Qty
312366	2.1	40	Ring	Diamond	11,700
312374	2.5	50	Ring	Diamond	9,750
312377	2.5	60	Ring	Diamond	7,800
312379	2.5	65	Smooth	Diamond	7,800
312380	2.5	65	Ring	Diamond	7,800

### Kit Contains

- CNP65.1 coil nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 3 x allen keys
- 2 x no-mar tips
- Pneumatic plug



# Paslode Pneumatic Systems

## Paslode FN1650.1

### Pneumatic 16 Gauge Brad Nailer



The FN1650.1 is a compact, lightweight tool ideal for site both site and workshop environments.

#### Applications

- Skirting boards
- Window frames
- Tongue & groove
- Architrave
- Door sets
- Joinery
- Staircases

#### Features and Benefits

- No-mar tip: Prevents damage to substrate and provides a clear line of sight
- Tool-free depth of drive adjuster: Easy to operate large turning wheel
- Quick clear feature: Provides easy access to nose to clear jams and reduce down time
- Well balanced: Increases handling and reduces user fatigue

#### Code & Description

Code	Description	Qty
575497	FN1650.1 Pneumatic 16 Gauge Brad Nailer	1

#### Technical Specifications

Product weight:	1.31 kg
Dimensions:	255 x 270 x 65mm
Fastener length range:	15 - 50 mm
Magazine capacity:	85 brads
Operating pressure:	80 -120 PSI 5 - 8 bar
Air consumption:	0.83 litres
Noise Emission (EN 12549) Sound Power Level LwA 1s 1m:	84 dB(A)
Vibration (EN ISO 8662-11) HAV:	3.7 m/s <sup>2</sup>

## Paslode FN1650.1

### F16 Brad Packs



Paslode brads are precision fixings manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



#### STAINLESS STEEL A2 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395072	1.6	25	16	Chisel	5,000
395073	1.6	32	16	Chisel	5,000
395075	1.6	38	16	Chisel	5,000
395076	1.6	50	16	Chisel	5,000



#### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395061	1.6	25	16	Chisel	5,000
395063	1.6	32	16	Chisel	5,000
395065	1.6	38	16	Chisel	5,000
395069	1.6	50	16	Chisel	5,000

#### Kit Contains

- FN1650.1 brad nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys
- 2 x no-mar tips



## Paslode FN16A 65

### F16 Angled Brad Packs ONLY



#### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
650230	1.6	32	16	Chisel	2,000
650231	1.6	38	16	Chisel	2,000
650046	1.6	45	16	Chisel	2,000
650047	1.6	51	16	Chisel	2,000
650232	1.6	63	16	Chisel	2,000

## Paslode FN1665.1

### Pneumatic 16 Gauge Brad Nailer



The FN1665.1 is a high end second fix pneumatic brad nailer, the professional's choice for all second fix finishing.

#### Applications

- Skirting boards
- Window frames
- Tongue & groove
- Architrave
- Door sets
- Joinery
- Staircases

#### Features and Benefits

- No-mar tip: Prevents damage to substrate and provides a clear line of sight
- Depth control: Ensures a perfect finish every time
- Quick clear feature: Provides easy access to nose to clear jams and reduce down time
- Well balanced: Increases handling and reduces user fatigue
- Powerful: Consistently drives into the hardest wood
- Bump fire function: Switch from bump fire to single shot with easy trigger switch

#### Code & Description

Code	Description	Qty
502120	FN1665.1 Pneumatic 16 Gauge Brad Nailer	1

#### Technical Specifications

Product weight:	1.9 kg
Dimensions:	287 x 290 x 97mm
Fastener length range:	15 - 63 mm
Cycle rate per second:	12 brads
Magazine capacity:	110 brads
Operating pressure:	80 -120 PSI 5.5 - 8.3 bar
Air consumption:	1.2 litres
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	90 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.33 m/s <sup>2</sup>

## Paslode FN1665.1

### F16 Brad Packs



Paslode brads are precision fixings manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



#### STAINLESS STEEL A2 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395072	1.6	25	16	Chisel	5,000
395073	1.6	32	16	Chisel	5,000
395075	1.6	38	16	Chisel	5,000
395076	1.6	50	16	Chisel	5,000
395996	1.6	60	16	Chisel	5,000



#### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395061	1.6	25	16	Chisel	5,000
395063	1.6	32	16	Chisel	5,000
395065	1.6	38	16	Chisel	5,000
395069	1.6	50	16	Chisel	5,000
395070	1.6	60	16	Chisel	5,000
395071	1.6	63	16	Chisel	5,000

#### Kit Contains

- FN1665.1 brad nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys
- 2 x no-mar tips
- Pneumatic plug



## Paslode FN1835.1

### Pneumatic 18 Gauge Fine Finish Brad Nailer



Lightweight and compact FN1835.1 brad nailer, ideal for all interior fine finishing work.

#### Applications

- Window frame beading
- Beading
- Panelling
- Industrial joinery

#### Features and Benefits

- Last nail lock-out: Follower locks the work contact when there are no brads left, preventing blank firing
- Quick clear nose: Provides easy access to nose to clear jams and reduce down time
- Integrated work contact element: Results in a narrow and slender nose, increasing visibility and making it possible to fire in tight spaces

#### Code & Description

Code	Description	Qty
575485	FN1835.1 18 Gauge Fine Finish Brad Nailer	1

#### Technical Specifications

Product weight:	1.16 kg
Dimensions:	253 x 242 x 65mm
Fastener length range:	16 - 35 mm
Magazine capacity:	100 brads
Actuation mode:	Sequential
Operating pressure:	80 -120 PSI (5 - 8 bar)
Air consumption:	0.55 litres
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	88 dB(A)
Vibration HAV (EN ISO 8662-11):	2.5 m/s <sup>2</sup>

## Paslode FN1835.1

### F18 Brad Packs



Paslode brads are precision fixings manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



#### STAINLESS STEEL A2 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
113471	1.2	35	18	Chisel	5,000



#### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395281	1.2	16	18	Chisel	5,000
395282	1.2	19	18	Chisel	5,000
395283	1.2	25	18	Chisel	5,000
395285	1.2	32	18	Chisel	5,000

#### Kit Contains

- FN1835.1 brad nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys
- 2 x no-mar tips



## Paslode FN1850.1

### Pneumatic 18 Gauge Fine Finish Brad Nailer



Lightweight and compact FN1850.1 brad nailer, ideal for all interior fine finishing work.

#### Applications

- Window frame beading
- Beading
- Panelling
- Industrial joinery

#### Features and Benefits

- Last nail lock-out: Follower locks the work contact when there are no brads left, preventing blank firing
- Quick clear nose: Provides easy access to nose to clear jams and reduce down time
- Integrated work contact element: Results in a narrow and slender nose, increasing visibility and making it possible to fire in tight spaces

#### Code & Description

Code	Description	Qty
575492	FN1850.1 18 Gauge Fine Finish Brad Nailer	1

#### Technical Specifications

Product weight:	1.31 kg
Dimensions:	255 x 270 x 65mm
Fastener length range:	16 - 50 mm
Magazine capacity:	100 brads
Actuation mode:	Sequential
Operating pressure:	80 -120 PSI (5 - 8 bar)
Air consumption:	0.6 litres
<b>Noise Emission (EN 12549)</b>	
Sound Power Level L <sub>WA</sub> 1s 1m:	86 dB(A)
Vibration HAV (EN ISO 8662-11):	2.5 m/s <sup>2</sup>

## Paslode FN1850.1

### F18 Brad Packs



Paslode brads are precision fixings manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



#### STAINLESS STEEL A2 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
113471	1.2	35	18	Chisel	5,000
391025	1.2	40	18	Chisel	5,000



#### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395281	1.2	16	18	Chisel	5,000
395282	1.2	19	18	Chisel	5,000
395283	1.2	25	18	Chisel	5,000
395285	1.2	32	18	Chisel	5,000
395861	1.2	38	18	Chisel	5,000
395287	1.2	40	18	Chisel	5,000
394924	1.2	44	18	Chisel	5,000
395288	1.2	50	18	Chisel	5,000

#### Kit Contains

- FN1850.1 brad nailer
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys
- 2 x no-mar tips



# Paslode Pneumatic Systems

## Paslode FNS1850

### Pneumatic 18 Gauge Combi Brad Nailer and Stapler



Lightweight and compact FNS1850 combi brad nailer and stapler provides superior usability due to its dual function, making it ideal for all interior fine finishing work.

#### Applications

- Beading
- Panelling
- Packaging
- Architrave
- Manufacturing
- Fencing (wire)
- Industrial joinery
- Crate & box assembly
- Garden products

#### Features and Benefits

- Depth control: Ensures a perfect finish every time
- Lightweight aluminium housing: Reduces user fatigue
- 360° adjustable air exhaust
- No-mar nose: Ensures no damage to substrate
- Narrow nose: Provides clear line of sight
- Quick clear nose: Provides easy access to nose to clear jams and reduce down time

#### Code & Description

Code	Description	Qty
505690	FNS1850 18 Gauge Brad Nailer & Stapler	1

#### Technical Specifications

Product weight:	1.4 kg
Dimensions:	222 x 261 x 60mm
Brad length range:	16 - 50 mm
Staple length range:	16 - 40 mm
Magazine capacity:	100 brads / staples
Operating pressure:	70 - 120 PSI 5.0 - 8.3 bar
Air consumption:	0.66 litres
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	85 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.7 m/s <sup>2</sup>

## Paslode FNS1850 Brad & Staple Packs



#### FNS1850 Brad Packs



##### STAINLESS STEEL A2 BRADS

Outdoor, exposed to weather.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
113471	1.2	35	F18	Chisel	5,000
391025	1.2	40	F18	Chisel	5,000



##### ELECTRO GALVANISED BRADS

Indoor.

Code	Wire Ø (mm)	Length (mm)	Gauge	Point Type	Box Qty
395281	1.2	16	18	Chisel	5,000
395282	1.2	19	18	Chisel	5,000
395283	1.2	25	18	Chisel	5,000
395285	1.2	32	18	Chisel	5,000
395861	1.2	38	18	Chisel	5,000
395287	1.2	40	18	Chisel	5,000
394924	1.2	44	18	Chisel	5,000
395288	1.2	50	18	Chisel	5,000

#### FNS1850 Staple Packs



##### ELECTRO GALVANISED STAPLES

Indoor. Service Class 1.

Code	Gauge	Length (mm)	Crown Width (mm)	Point Type	Box Qty
312261	18	16	5.8	Chisel	30,000
312263	18	22	5.8	Chisel	30,000
312264	18	25	5.8	Chisel	30,000
391298	18	30	5.8	Chisel	30,000
312268	18	38	5.8	Chisel	30,000

#### Kit Contains

- FNS1850 brad nailer / stapler
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys



## Paslode S200 S16

### Pneumatic Heavy Duty Stapler



Heavy duty stapler, ideal for cladding, flooring, manufacturing and packaging.

#### Applications

- Cladding
- Flooring
- Roof decking
- Fencing
- Packaging
- Manufacturing

#### Features and Benefits

- Good visibility, round nose piece: Enables accurate positioning
- Quick clear feature: Provides easy access to nose to clear jams and reduce down time
- Well balanced: Increases handling, reducing user fatigue
- Top load magazine: For easy and fast re-loading

#### Code & Description

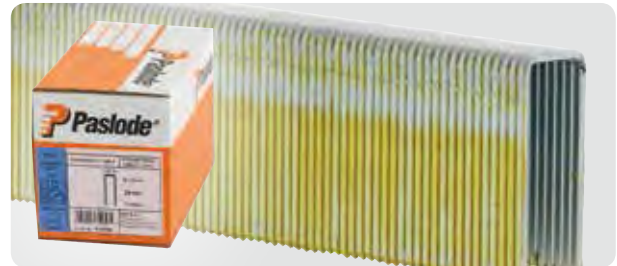
Code	Description	Qty
501230	S200 16 Gauge Stapler	1

#### Technical Specifications

Product weight:	2.2 kg
Dimensions:	355 x 255 x 80mm
Fastener length range:	19 - 50 mm
Cycle rate per second:	12 staples
Magazine capacity:	150 staples
Operating pressure:	80 - 120 PSI 5.5 - 8.3 bar
Air consumption:	1.2 litres
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	81 dB(A)
Vibration (EN ISO 8662-11) HAV:	2.7 m/s <sup>2</sup>

## Paslode S200

### S16 Staple Packs



Paslode staples are precision fixings manufactured with specific glue designed not to fracture into multiple pieces if accidentally dropped.



#### STAINLESS STEEL A4 STAPLES

Outdoor, exposed to weather. Service Class 3.

Code	Gauge	Length (mm)	Crown Width (mm)	Point Type	Box Qty
574964	16	38	13	Chisel	2,800



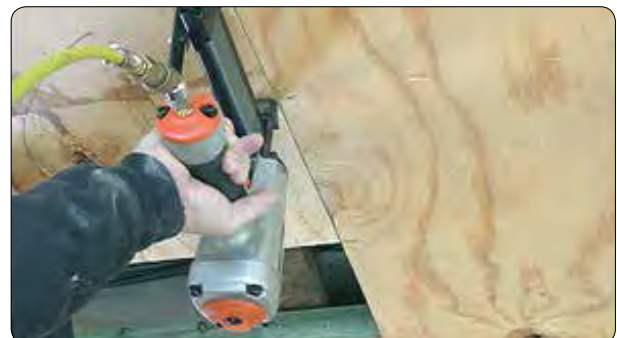
#### ELECTRO GALVANISED STAPLES

Indoor. Service Class 1.

Code	Gauge	Length (mm)	Crown Width (mm)	Point Type	Box Qty
574961	16	19	13	Chisel	5,250
574963	16	28	13	Chisel	5,250
574960	16	32	13	Chisel	5,250
574958	16	38	13	Chisel	5,250
574956	16	41	13	Chisel	5,250
574955	16	45	13	Chisel	5,250
574957	16	50	13	Chisel	5,250
199470	16	38	13	Divergent	10,000

#### Kit Contains

- FNS1850 brad nailer / stapler
- High impact carry case
- Safety glasses to EN166:F
- Lubricant oil
- 2 x allen keys























## SPIT Direct Fixings

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### SPIT Substrate Key

 Concrete	 Hollow Slab
 Reinforced Concrete	 Aerated Concrete
 Solid Brick	 Steel
 Solid Block	 Porotherm
 Solid Stone	 Plasterboard
 Hollow Brick	 Timber
 Hollow Block	 Natural Stone

# UNLEASH THE SPIT PULSA 800

Unrivalled performance and reliability, engineered from over 60 years of experience. Pulsa takes trade and application requirements and tailors a complete tool system to the professional user. Powered by our renowned intelligent fuel injection system, Pulsa provides a superbly balanced and ergonomic tool that dramatically increases productivity.



## **PULSA 800E Cordless Gas Nailer For Electrical Cable and Conduit Management**

The fastest solution for fixing electric cables, conduit, trunking and related ancillaries to concrete and steel.



## **PULSA 800P+ Cordless Gas Nailer For Drywall and General Construction**

The fastest solution for fixing drywall track to concrete and steel.





# DRIVING PRODUCTIVITY WITH INNOVATION



## SLIM & STREAMLINED

Access the tightest locations and benefit from a great line of sight.

Always makes a fix in every location.

## LOWEST PUSH DOWN FORCE

Only 19mm depression & 4.5kg of pressure required to use tool.

Effortlessly use overhead.

## GREAT ERGONOMICS

Perfect balance at the trigger and a non-slip grip.

Equally balanced for comfort and ease.



## BEST TOOL COOLING

Exhaust fan keeps tool cool even in extreme conditions.

No overheating, power loss or drivability issues.

## CURVED MAGAZINE & DEEP LEG TRACK ACCESSIBILITY

Fix where you want without restrictions.

No angle too awkward.

## LED DISPLAY

Visually check accurate battery state of charge & remaining fuel.

Never be caught without gas or charge when you need it.



## FUEL INJECTION SYSTEM

-15°C to +49°C unrivalled cold weather performance.

Take out of cold storage and use first time every time.

## ENHANCED DUST PROTECTION & FILTRATION

Tool operates consistently and efficiently.

Reduces fine dust & debris intake.

## 2 YEAR WARRANTY

Improved engineering and increased robustness.

Reliable all day every day.

SPIT Direct Fixings:  
Gas Systems



## SPIT PULSA 800P+ Li-ion Cordless Gas Nailer

SPIT Direct Fixings:  
Gas Systems



The Pulsa 800P+ cordless gas nailer is the fastest and most reliable solution for fixing drywall track to steel and concrete.

### Applications

- Fixing metal drywall track systems to concrete, masonry, block & structural steel
- Fixing timber up to 20mm thick to concrete and structural steel
- Fixing fire protection systems to steel
- Fixing angle brackets to concrete, brick, block and structural steel
- Fixing EML to concrete, brick, block and structural steel (using 25mm steel washers and magnetic pin guide).

### Features and Benefits

- Start & Go® technology: Tool sleeps after one minute of inactivity. Instant START and ready to GO when activated with any motion. Reduces battery consumption
- Intelligent fuel injection: Slide in fuel, locks in place and ejects easily
- Steel O Ring: Only 4.5kg of push down actuation force needed
- Quick and effortless overhead use: Only 19mm push down travel to actuate
- Exhaust fan: The best cooling system of any tool
- Dust protection: Crucial for overhead applications and dusty environments
- Easy servicing: Twist and clean rear cap and filter
- Deep track and trunking accessibility

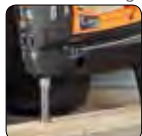
Innovative movement sensor



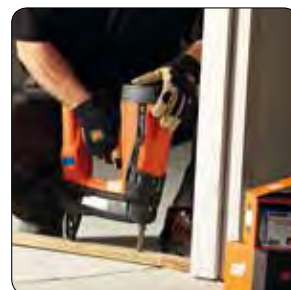
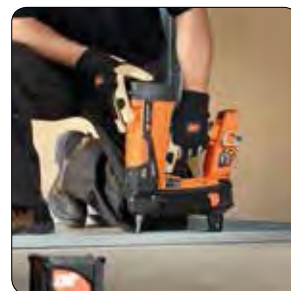
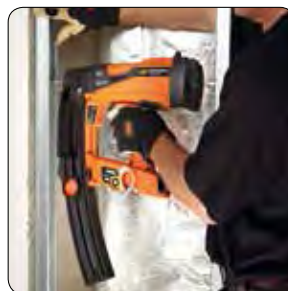
Fuel & battery gauge



Access to deep track & trunking



Exhaust & cooling fan



### Code & Description

Code	Description	Qty
O18352	Pulsa 800P+ (20 pin magazine)	1

### Technical Specifications

Product weight with battery:	3.8 kg
Dimensions:	396 x 309 x 114mm
Impact force max.:	100 J
Actuation (push) pressure:	4.5 kg
Pin range:	15 - 40mm collated
Magazine capacity:	20 or 50 pin option
Intermittent operation:	2 pins per second
Fuel cell life:	600 shots
Battery capacity:	Up to 3,000 shots
Battery charge time:	90 min
Battery type:	Li-ion
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	109 dB(A)
Sound Pressure Level LpA 1s 1m:	102 dB(A)
<b>Vibration (EN ISO 8662-11) HAV</b>	4.6m/s <sup>2</sup>

### Kit Contains

- Pulsa 800P+ cordless gas nailer
- High impact carry case
- Li-ion battery 2.2Ah
- Li-ion battery charger
- Safety glasses to EN166:F
- Allen key
- Instruction manual



### Substrates



\*Applicable with care

## SPIT PULSA 800P+ Consumables



The complete pin range of concrete (C6) and steel & concrete (HC6) ensures excellent success rates are achieved in a range of substrates and applications.

### 800P+ Pin Selection Guide

Substrate	Track	Part to be fixed (mm)					
		5	10	15	20	27	EML
Steel	HC6 15	HC6 15	HC6 17	HC6 22	HC6 27	HC6 32	HC6 15
Hard Concrete C40/50 > C50/60	HC6 17	HC6 22	HC6 27	HC6 32	HC6 32	-	HC6 15-17
Concrete & Brick	HC6 22	HC6 22-27	HC6 27-32	HC6 32	-	-	HC6 17-22
	C6 20-25	C6 25	C6 25-30	C6 35	C6 35-40	C6 40	C6 25



**Steel Support Material:**  
Min Thickness = 6.5mm, Recommended static load = 150 kg max  
**Concrete:**  
Recommended static load = 10 kg max (C20-25)

All figures given are to be used as a guide and a job site suitability test is always recommended. Technical Helpline: 0800 731 4924.

### C6 PINS - STANDARD CONCRETE (C25)



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057540	C6 20	20	Black	1	500
057541	C6 25	25	Black	1	500
057542	C6 30	30	Black	1	500
057543	C6 35	35	Black	1	500
057544	C6 40FH	40	White	1	500

10 strip collation (suitable for 20 and 50 pin magazine) + 1 x Fuel Cell

### HC6 PINS - HARD CONCRETE (>C25) AND STEEL



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057550	HC6 15	15	Orange	1	500
057551	HC6 17	17	Orange	1	500
057552	HC6 22	22	Orange	1	500
057553	HC6 27	27	Orange	1	500
057554	HC6 32	32	Orange	1	500

10 strip collation (suitable for 20 and 50 pin magazine) + 1 x Fuel Cell

### STEEL WASHERS (MAGNETIC PIN GUIDE - 014641)



Code	Description	Diameter Ø (mm)	Box Qty
011204	Steel Washer	25	1,000

### Accessories

Code	Description	Qty
014641	Magnetic Pin Guide (25mm washers)	1
014642	Flat Magnetic Pin Guide	1
014640	50 Pin Magazine	1
014623	20 Pin Magazine	1
018484	All-in-one Li-ion Battery Charger	1
018483	3.7V 2.2AH Li-ion Battery	1
018424	Pulsa 800P+ Pin Guide	1
011773	SPIT Pulsa 800 Blister Pack (2 Fuel Cells)	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



011773



014623



018483



018484



014641



014642

**50 Pin Magazine** - easy loading magazine, ideal for high volume repetitive work. Available as an accessory.

50 PIN  
MAGAZINE  
AVAILABLE

**Code: 014640**



## SPIT PULSA 800E Li-ion Cordless Gas Nailer

SPIT Direct Fixings:  
Gas Systems



The Pulsa 800E cordless gas nailer is a secure and fast solution for fixing electrical cable management to steel and concrete.

### Applications

#### CABLE & CONDUIT

- Skirting & dado trunking systems
- Mini & metal trunking
- Low voltage cabling
- Temporary lighting
- Metal & plastic capping
- Fire resistant cabling systems

#### WIRING ACCESSORIES

- Metal back boxes
- uPVC back boxes
- uPVC conduit
- Steel conduit
- Junction boxes
- Switch boxes
- Smoke detectors

### Features and Benefits

- Start & Go® technology: Tool sleeps after one minute of inactivity. Instant START and ready to GO when activated with any motion. Reduces battery consumption
- Intelligent fuel injection: Slide in fuel, locks in place and ejects easily
- Steel O Ring: Only 4.5kg of push down actuation force needed
- Quick & effortless overhead use: Only 19mm push down travel to actuate
- Exhaust fan: The best cooling system of any tool
- Dust protection: Crucial for overhead applications and dusty environments
- Nose attaches to SPIT cable management accessories



### Code & Description

Code	Description	Qty
O18350	Pulsa 800E (20 pin magazine)	1

### Technical Specifications

Product weight with battery:	3.8 kg
Dimensions:	385 x 309 x 114mm
Impact force max.:	82 J
Actuation (push) pressure:	4.5 kg
Pin range:	15 - 40mm collated
Magazine capacity:	20 pin
Intermittent operation:	2 pins per second
Fuel cell life:	750 shots
Battery capacity:	Up to 3,000 shots
Battery charge time:	90 min
Battery type:	Li-ion
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	108 dB(A)
Sound Pressure Level LpA 1s 1m:	101 dB(A)
<b>Vibration (EN ISO 8662-11) HAV</b>	4.5m/s <sup>2</sup>

### Kit Contains

- Pulsa 800E cordless gas nailer
- High impact carry case
- Single shot cover guard
- Li-ion battery 2.2Ah
- Li-ion battery charger 230V
- Safety glasses to EN166:F
- Allen key
- Instruction manual



### Substrates



\*Applicable with care

# SPIT PULSA 800E

## Consumables



The complete pin range of concrete (C6) and steel & concrete (HC6) ensures excellent success rates are achieved in a range of substrates and applications.

### 800E Pin Selection Guide

Substrate	Clip Elec	E Clip	CT Clip	P Clip	Cable Bow	Steel Band	Steel P Clip	TRH Clip*	Fire-Fix™
<b>Steel</b>									
	HC6 15-17	HC6 15-17	HC6 15-17	HC6 15-17	HC6 15-17	HC6 15	HC6 15	HC6 15	HC6 15
<b>Hard Concrete</b>									
	HC6 17-22	HC6 22	HC6 17-22	HC6 17-22	HC6 22	HC6 17-22	HC6 17-22	HC6 17-22	HC6 17-22
C40/50 > C50/60									
<b>Concrete &amp; Brick</b>									
	HC6 22-27	HC6 27-32	HC6 22-32	HC6 22-32	HC6 27-32	HC6 22-32	HC6 22-32	HC6 22-32	HC6 22-32
	C6 25-30	C6 30-35	C6 25-30	C6 25-30	C6 30-35	C6 20-25	C6 20-25	C6 20-25	C6 20-25

\*M6 - M8 Threaded Rod maximum length 600mm, static loads only, install at right angles.

**Steel Support Material:**  
Min Thickness = 6.5mm, Recommended static load = 150 kg max

**Concrete:**  
Recommended static load = 10 kg max (C20-25)

**All figures given are to be used as a guide and a job site suitability test is always recommended. Technical Helpline: 0800 731 4924.**

### C6 PINS - STANDARD CONCRETE (C25)



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057540	C6 20	20	Black	1	500
057541	C6 25	25	Black	1	500
057542	C6 30	30	Black	1	500
057543	C6 35	35	Black	1	500
057544	C6 40FH	40	White	1	500

10 strip collation (suitable for 20 and 50 pin magazine) + 1 x Fuel Cell

### HC6 PINS - HARD CONCRETE (>C25) AND STEEL



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057550	HC6 15	15	Orange	1	500
057551	HC6 17	17	Orange	1	500
057552	HC6 22	22	Orange	1	500
057553	HC6 27	27	Orange	1	500
057554	HC6 32	32	Orange	1	500

10 strip collation (suitable for 20 and 50 pin magazine) + 1 x Fuel Cell

### HC6 PINS, FLUSH HEAD - HARD CONCRETE (>C25) AND STEEL



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057555	HC6 15 FH	15	White	1	500
057556	HC6 17 FH	17	White	1	500
057557	HC6 22 FH	22	White	1	500
057558	HC6 27 FH	27	White	1	500

10 strip collation (suitable for 20 and 50 pin magazine) + 1 x Fuel Cell

### CG6 PINS SOFT WASHED - STANDARD CONCRETE (C25)



Code	Description	Length (mm)	Collation	Fuel Cell	Box Qty
057567	HCG6 15 - Steel Only	15	White	1	500
057568	HCG6 22 - Steel Only	22	White	1	500
057563	CG6 20	20	White	1	500
057564	CG6 25	25	White	1	500
057565	CG6 30	30	White	1	500
057566	CG6 35	35	White	1	500

10 strip collation + 1 x Fuel Cell. Single shot only - cannot be used in magazine.

### Accessories

Code	Description	Qty
014641	Magnetic Pin Guide (25mm washers)	1
014642	Flat Magnetic Pin Guide	1
014623	20 Pin Magazine	1
018484	All-in-one Li-ion Battery Charger	1
018483	3.7V 2.2AH Li-ion Battery	1
018423	Pulsa 800E Pin Guide	1
018490	Single Shot Blanking Plate	1
011773	SPIT Pulsa 800 Blister Pack (2 Fuel Cells)	1
013690	Impulse/Pulsa Cleaning Kit	1
115251	Impulse Cleaner 300ml	1
401482	Impulse Lubricating Oil	1
014121	Safety Glasses to EN166:F	1



011773



014623



018483



018490



014641



014642

For Pulsa 800E Cable Management Accessories Refer to page 46 - 47.

## SPIT PULSA 800E

### Cable Management Accessories



An extensive range of SPIT cable and conduit fastening accessories designed for use with the Pulsa gas systems. The Pulsa 800E is compatible with all Cable management accessories. Each accessory fits directly to the tool for a one step fix.

#### E CLIP CONDUIT CLIP

For fast installation of pipework and conduit. Clips easily onto the 800E pin guide from the side, allowing easy operation. Available in both black and grey.



Code	Description	Pipe / Conduit Ø (mm)	Box Qty
567214	Grey Conduit Clip	16	100
565032	Grey Conduit Clip	20	100
565033	Grey Conduit Clip	25	100
565034	Grey Conduit Clip	32	50
565035	Grey Conduit Clip	40	50
567215	Grey Conduit Clip	50	50
565532	Black Conduit Clip	20	100

#### P CLIP

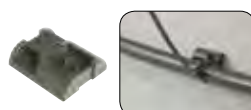
Fasten to conduit and pipework, primarily to floors and walls. Made from impact resistant polypropylene, it offers a lower cost option to metal clips and will not corrode. Single or double clips are available.



Code	Description	Pipe / Conduit Ø (mm)	Box Qty
567206	Grey Single P Clip	16mm	100
567207	Grey Single P Clip	18mm	100
565082	Grey Single P Clip	20mm	100
565083	Grey Single P Clip	22mm	100
567208	Grey Single P Clip	25mm	50
567209	Grey Double P Clip	16mm	50
565086	Grey Double P Clip	20mm	50
565087	Grey Double P Clip	22mm	50

#### CLIP ELEC ALL-PURPOSE CABLE TIE CLIP

Used for cable, conduit and pipework - For use with cable ties. Cable ties are NOT included.



Code	Description	Cable Tie Capacity (mm)	Box Qty
011203	Clip Elec All-purpose Cable Tie Clip	9	100

#### STEEL P CLIP

Designed to fix pipework and conduit - Clips available in diameter 8mm to 32mm.

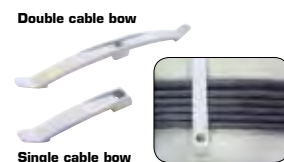


Code	Description	Pipe / Conduit Ø (mm)	Box Qty
016984	Steel Single P Clip	8	300
016985	Steel Single P Clip	10	300
016988	Steel Single P Clip	16	150
016990	Steel Single P Clip	20	150
016991*	Steel Single P Clip	22	100
016993	Steel Single P Clip	25	100
016994*	Steel Single P Clip	28	100
016995*	Steel Single P Clip	32	50

\* Order to order only

#### CABLE BOW FIXING

Designed for use with cables, replacing the need for cable and basket trays - Both single and double cable bows are available.



Code	Description	Wire Guide	Box Qty
565915	Single 8 Cable Bow	3 core x 1.5mm <sup>2</sup>	50
565917	Single 8 Incandescent*	3 core x 1.5mm <sup>2</sup>	50
565916	Double 16 Cable Bow	3 core x 1.5mm <sup>2</sup>	25
565918	Double 16 Incandescent*	3 core x 1.5mm <sup>2</sup>	25

\* Burning Properties: Incandescent wire test according to CEI 695-2-1/2: 650°C passed

#### ALL-PURPOSE STEEL BAND

Versatile All-Purpose Steel Band can be cut to any length.



Code	Description	Size	Box Qty
056562	All-purpose Steel Band	12mm x 0.8mm x 10m	1
056561	All-purpose Steel Band	17mm x 0.8mm x 10m	1
056563	All-purpose Steel Band	26mm x 0.8mm x 10m	1



## SPIT PULSA 800E

### Cable Management Accessories

#### PRYSMIAN AND DRAKA FIRETUF FIREFIX™

Unique cable fixing from Prysmian and Draka Firetuf, used to fix fire performance cables - Ten times quicker than conventional methods. Both single and double clips are available. The double clip requires an adaptor, which is included in box of clips.



Code	Description	Size	Cable Diameter Suitability	Colour	Wire Guide	Box Qty
921622	Firefix™ Single Clip	O1	8.0mm <sup>2</sup> ≤ D < 8.2mm <sup>2</sup>	Red	2 core x 1.5mm <sup>2</sup>	500
921623	Firefix™ Double Clip	O2	8.0mm <sup>2</sup> ≤ D < 8.5mm <sup>2</sup>	Red	2 core x 1.5mm <sup>2</sup> or 3 core x 1.0mm <sup>2</sup>	200
921624	Firefix™ Double Clip	O4	8.5mm <sup>2</sup> ≤ D < 9.0mm <sup>2</sup>	Red	4 core x 1.0mm <sup>2</sup> or 3 core x 1.5mm <sup>2</sup>	200
924252	Firefix™ Single Clip	O1	8.0mm <sup>2</sup> ≤ D < 8.2mm <sup>2</sup>	White	2 core x 1.5mm <sup>2</sup>	500
924251	Firefix™ Double Clip	O2	8.0mm <sup>2</sup> ≤ D < 8.5mm <sup>2</sup>	White	2 core x 1.5mm <sup>2</sup> or 3 core x 1.0mm <sup>2</sup>	200
924253	Firefix™ Double Clip	O4	8.5mm <sup>2</sup> ≤ D < 9.0mm <sup>2</sup>	White	4 core x 1.0mm <sup>2</sup> or 3 core x 1.5mm <sup>2</sup>	200

#### CT CLIP

Clip is moulded with a cable tie. Holds pipes, cable and conduit up to 32mm in diameter. During installation temperatures can be down to -5°C.



Code	Description	Cable Ø (mm)	Box Qty
565508*	Grey Cable Tie Clip	16 - 32	100

\* Order to order only

#### THREADED ROD HANGER CLIP (TRH)

Holds threaded rod up to 600mm long, chain or suspension cables can be hung from the clip. Unique design enables the quality of fixing to be tested as it is bent into place.



Code	Description	Thread Ø	Box Qty
O11430	Threaded Rod Hanger	M6 - M8	100

**Maximum Load 10kg. Static loads only. Please note: Do not use Pulsa with rod exceeding 600mm or rod diameter greater than Ø 8mm.**

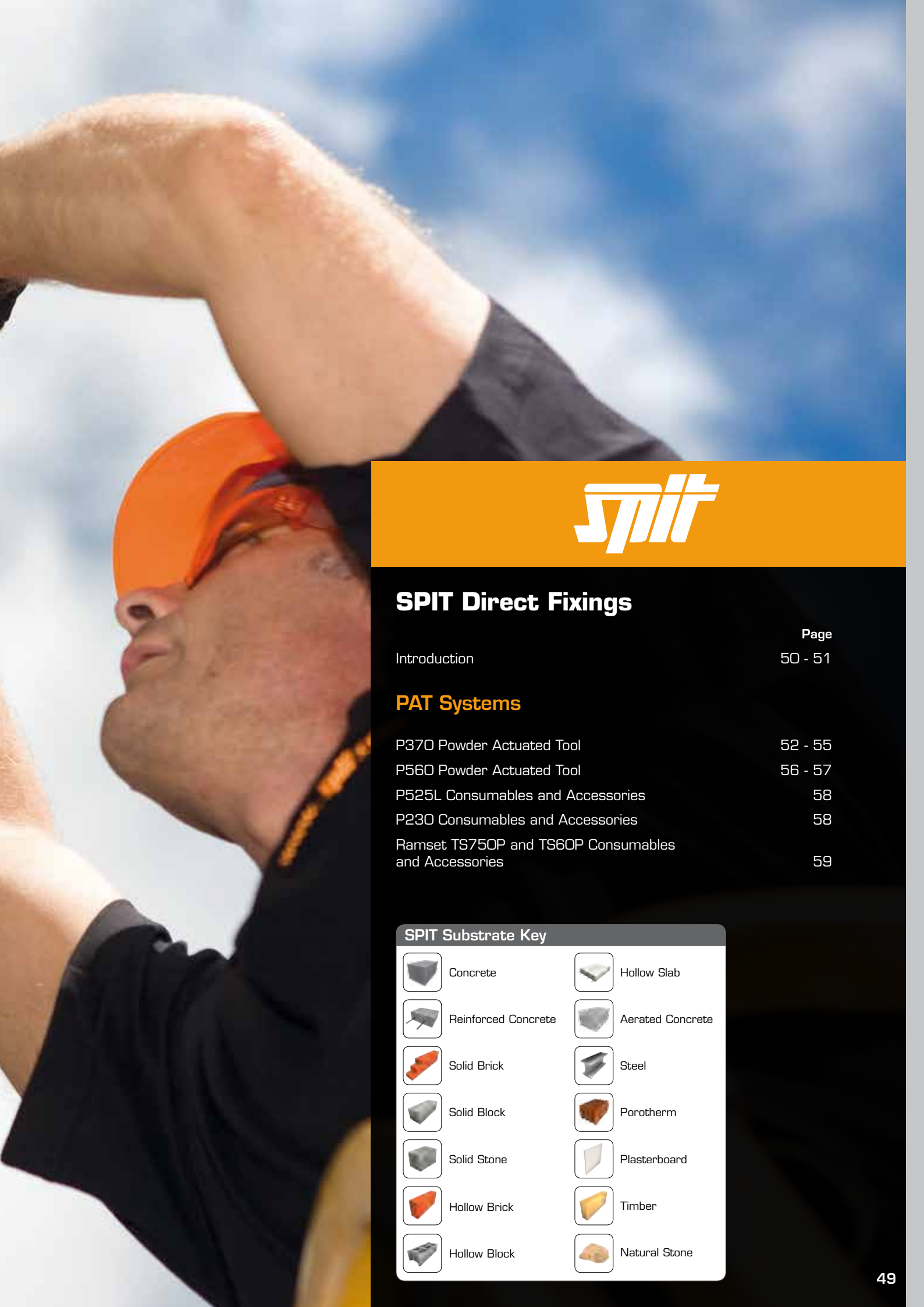
#### STEEL WASHER - USE WITH MAGNETIC PIN GUIDE

25mm Steel Washer, to be used with magnetic pin guide, Eurocode: O14641 (Pulsa 800) or 333700 (Pulsa 700).



Code	Description	Diameter Ø (mm)	Box Qty
O11204	Steel Washer	25	1,000





## SPIT Direct Fixings

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<b>PAT Systems</b>	
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P525L Consumables and Accessories	58
P230 Consumables and Accessories	58
Ramset TS750P and TS60P Consumables and Accessories	59

### SPIT Substrate Key



Concrete



Reinforced Concrete



Solid Brick



Solid Block



Solid Stone



Hollow Brick



Hollow Block



Hollow Slab



Aerated Concrete



Steel



Porotherm



Plasterboard



Timber



Natural Stone



# SPIT P370

Industry leading performance and reliability built around our extensive understanding of direct fastening technology. Powered by the SPIT disc cartridge system, the P370 gives professional users a vast range of fixing options to suit many construction site applications, dramatically enhancing productivity.

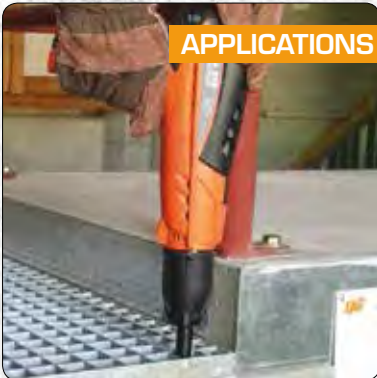


**SPIT P370**  
**Cartridge Nailer For Fixing into**  
**Steel, Concrete & Masonry**





# ENHANCED PRODUCTIVITY & REDUCED PROJECT COSTS



Track, deflection heads  
Timber sheet, battens & frames  
Sole Plates

Brick ties  
Rigid insulation  
Steel & GRP grating

Formwork spacers  
Waterproof membranes  
Lighting & signage



Safe & easy to use  
Autonomous  
Productivity

Tool power adjustment  
Magazine or single shot  
Automatic return piston

Quick & easy maintenance  
Universal piston  
Disc loads



Concrete pins  
Steel pins  
Washed concrete pins

Formwork spacer pins  
Shuttering spacer pins  
Rigid insulation pins

Threaded pins & spacers  
Washed brick tie pins  
Waterproof membrane pins

SPIT Direct Fixings:  
PAT Systems



## SPIT P370

### Powder Actuated Tool



Fully automatic SPIT P370, the professional's choice for shot fired fixings into steel, concrete and masonry.



#### Applications

- Overhead deflection head
- Dry lining track
- Brick tie
- Insulation panels
- Damp proofing
- Formstop
- Steel grid
- Timber sole plates

#### Features and Benefits

- Automatic piston return: High install rate with low user fatigue
- Disc system: All-metal cartridges eliminate warping at high temperatures.
- Disc system reduces cartridge waste compared to strip systems
- Power adjustment: Versatile one pin and one load can be adapted to fix into different base materials
- Sequential shot: Contact pressure of 15 kg needs to be applied to activate safety trigger
- Ergonomic rear handle & soft grip: Makes fixing a one handed operation
- Window: User can see if a disc is loaded in the tool
- Energy absorbing damper: Absorbs vibration and reduces recoil during firing
- Universal piston: No need to change the piston for different substrates

Energy absorbing bumper



Automatic piston return



Adjustable magazine



Power adjustment



#### Code & Description

Code	Description	Qty
011071	P370 with Magazine (includes Single Shot Adaptor)	1

#### Technical Specifications

Product weight:	3.2 kg (M) 2.8kg (S)
Dimensions:	450 x 240 x 69mm (M) 435 x 208 x 69mm (S)
Impact force max:	350 J
	15 - 60mm collated 15 - 90mm single
Pin capacity:	10 pins - 1 strip
Actuation pressure:	15 kg
Cycle rate:	1 pin/1 sec
Rubber spring life:	up to 1,500 shots
Electro Galvanising:	7-15 microns high grade steel
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	114 dB(A)
Sound Pressure Level LpA 1s 1m:	101 dB(A)
Vibration (EN ISO 8662-11) HAV	2.5m/s <sup>2</sup>

M = Magazine S = Single

#### Kit Contains

- P370 PAT tool
- High impact carry case
- Single shot adaptor
- Safety goggles to EN166:B
- Cleaning cloth and brushes
- Lubricating oil
- Push rod & Stabiliser
- Instruction manual



#### Substrates



\*Applicable with care

## SPIT P370 Disc Cartridges



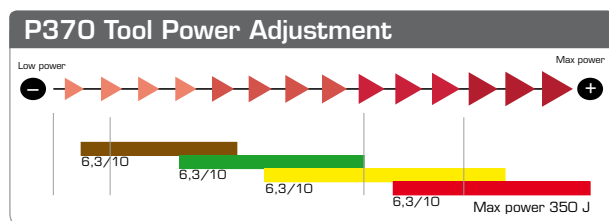
SPIT offers a range of calibrated cartridges to meet specific needs. The wide range of cartridge strengths available allows successful fixings to a variety of base materials. Pins are driven into the substrate by a piston using an explosive cartridge. Always use the lowest level of power to achieve an acceptable fix.

### Loading:

1. Choose the pin length
2. Choose lowest cartridge power
3. Mechanically adjust tool power

Disc Range				
	Brown	Green	Yellow	Red
<b>Eurocode: Box Qty: 100</b>	031740*	031600	031700	011658
<b>Strength:</b>	Very Low	Low	Medium	High
<b>Calibre:</b>	6.3/10 (10 loads)	6.3/10 (10 loads)	6.3/10 (10 loads) <b>STANDARD USE</b>	6.3/10 (10 loads)

\* Order to order only



For SPIT P370 Consumables and Adaptors please refer to pages 54 - 55.

### Accessories

Code	Description	Qty
010536	P370 Magazine	1
010984	P370 Piston Assembly	1
010970	P370 Pin Guide Assembly	1
011032	P370 Spring Kit	1
010982	P370 Spare Rubber	1
011030	Insulation Adaptor Kit	1
011033	Steel Grid Adaptor Kit	1
011035	90mm Adaptor Kit	1
999600	Safety Goggles (to EN166:B)	1
310080	SPIT Oil Spray	1
074000	Maintenance Kit	1



010536



011035



999600

### Applications



Overhead deflection head



Brick tie



Composite decking



Formstop



Dry lining track



Insulation panels



Damp proofing



Steel grid

## SPIT P370 Consumables



Single and collated pins makes the SPIT P370 an extremely flexible tool for a large range of general and specialist applications.

### Pin Selection Guide

Substrate	Part to be fixed (mm)									
	Track	5	10	15	20	30	40	50	60	65
<b>Steel</b>  Ultimate strength = 350 N/mm <sup>2</sup>	SC9 15	SC9 15-20	SC9 20-25	SC9 25	SC9 30	SC9 40	SC9 50	SC9 60	SC9 70	-
<b>Hard Steel</b>  Ultimate strength = 500 N/mm <sup>2</sup>	SC9 15	SC9 15	SC9 20	SC9 25	SC9 30	SC9 40	SC9 50	SC9 60	SC9 70	-
<b>Concrete</b>  C25/30	C9 25	C9 30	C9 35	C9 40	C9 50	C9 50-60	C9 60-70	C9 70	C9 80-90	C9 90
<b>Concrete</b>  C40/50	C9 20	SC9 20	SC9 25-30	SC9 30-35	SC9 40	SC9 50	SC9 60	SC9 70	C9 80	C9 90
<b>Concrete</b>  C50/60	SC9 15	SC9 20	SC9 25	SC9 30	SC9 35	SC9 40*	SC9 50*	SC9 60*	SC9 70*	-

**Steel Support Material:** \*With a 3-4mm over embedment  
Min Thickness = 5mm  
Recommended static load = 200 kg max SC9

**Concrete:**  
Recommended static load = 50 kg max (C20-25) C9

**All figures given are to be used as a guide and a job site suitability test is always recommended. Technical Helpline: 0800 731 4924.**

### C9 COLLATED PINS - CONCRETE ONLY (Use with P370 magazine tool only)



Code	Description	Length (mm)	Box Qty
011330	C9 20C	20	500
011331	C9 25C	25	500
011332	C9 30C	30	500
011333	C9 35C	35	500
011334	C9 40C	40	300
011335	C9 50C	50	300
011337	C9 55C	55	300
011336	C9 60C	60	300

Box includes 1 x spare rubber spring

### SC9 COLLATED PINS - STEEL & CONCRETE (Use with P370 magazine tool only)



Code	Description	Length (mm)	Box Qty
011340	SC9 15C	15	500
011341	SC9 20C	20	500
011342	SC9 25C	25	500
011343	SC9 30C	30	500
011344	SC9 35C	35	500
011345	SC9 40C	40	300
011346	SC9 50C	50	300
011347	SC9 60C	60	300

Box includes 1 x spare rubber spring

### C9 SINGLE SHOT PINS - CONCRETE ONLY (Use with P370 / P200)



Code	Description	Length (mm)	Box Qty
032520	C9 25	25	100
032530	C9 30	30	100
032540	C9 35	35	100
032550*	C9 40	40	100
032560	C9 50	50	100
032570	C9 60	60	100
032580	C9 70	70	100
032590	C9 80**	80	100
032600	C9 90**	90	100

\* Order to order only

\*\* Pins over 70mm require pre-hammering or 90mm Adaptor Kit

### SC9 SINGLE SHOT PINS - STEEL & CONCRETE (Use with P370 / P200)



Code	Description	Length (mm)	Colour	Box Qty
032500	SC9 15	15	Blue	100
032510	SC9 20	20	White	100
032950	SC9 25	25	White	100
032930	SC9 30	30	White	100
032940	SC9 35	35	White	100
032920	SC9 40	40	White	100
032910	SC9 50	50	White	100
032900	SC9 60	60	White	100
032890	SC9 70	70	White	100

### CR9 SINGLE SHOT PINS WITH 14MM Ø WASHERS - CONCRETE (Use with P370 / P200)



Code	Description	Length (mm)	Box Qty
032070	CR9 25	25	100
032100	CR9 30	30	100
032090	CR9 40	40	100
032010	CR9 50	50	100



## SPIT P370



### Consumables

**CR9P PINS WITH 34MM Ø WASHERS - CONCRETE (DRAINAGE & WATERPROOFING)**  
(Use with P370 / P200)



Code	Description	Length (mm)	Box Qty
038090	CR9 30P	30	200
038100	CR9 40P	40	200
038110	CR9 50P	50	200

**C9 FIXING SYSTEMS - FOR FORMWORK AND SHUTTERING**  
(Use with P370 / P200)



Code	Description	Length (mm)	Box Qty
032750	Formwork Spacer + C9 Pins	60	100
496710*	Shuttering Spacer + C9 Pins	50	50

\* Order to order, minimum order quantities apply.

**CI6 INSULATION PINS Ø 65MM - FIXING RIGID INSULATION**  
(Use with P370 magazine tool only)



For use with Insulation Adaptor Kit - 011030

Code	Description	Length (mm)	Box Qty
038520	CI6 50	50	200
038530	CI6 60	60	200
038540	CI6 70	70	200
038550	CI6 80	80	200
038580	CI6 90	90	100
038560	CI6 100	100	100
038570	CI6 120	120	100

**SA9 M6 THREADED PINS - STEEL**  
(use with P370 / P200)



Code	Description	Length (mm)	Thread Length (mm)	Box Qty
034820	SA9 6	21	6	100
034900	SA9 6	30	15	100

**SBR9 PINS - SHEET METAL & BRICK TIE**  
(use with P370 / P200)



Code	Description	Length (mm)	Box Qty
032650	SBR9 19	19	100

**SA12 M8 THREADED PINS WITH Ø 12MM GUIDE SLEEVE**  
(Use with P370 magazine tool only)



For use with Steel Grid Adaptor Kit - 011033

Code	Description	Length (mm)	Thread Length (mm)	Box Qty
033760	SA 12-8 15 / 30	30	15	100
033750	SA 12-8 10 / 25	25	10	100

**RE SPACER WASHERS FOR GRID FLOOR FIXING SYSTEM**

For use with SA12 Pins.



Code	Description	Length (mm)	Box Qty
499610	RE 25	25	100
499620	RE 30	30	100
499630	RE 40	40	100

## SPIT P370



### Adaptors

**STEEL GRID ADAPTOR KIT**

Use with SA12-8 15/30 pins and RE Spacers Washers.



Code	Description	Box Qty
011033	Steel Grid Adaptor Kit for SA12-8 15 / 30 pins	1
011034	Spare Piston for Grid Adaptor Kit	1

**INSULATION ADAPTOR KIT**

For use with CI9 60 - 100mm and CI6 40 - 120mm pins



Code	Description	Box Qty
011030	Adaptor Kit for CI 40/120	1
011031	Spare Piston Kit for CI 40/120	1

**90MM ADAPTOR**

For fixing single shot pins up to 90mm without the need for pre-hammering.



Code	Description	Box Qty
011035	90mm Adaptor	1

## SPIT P560

### Powder Actuated Tool



The perfect addition to the powder actuated range of tools for structural steel applications. The tool provides easy access to confined spaces.



#### Applications

- Fixing of roof decking and cladding sheets to structural steel
- Fixing brick ties to heavy structural steel
- Permanent fixing of composite floor sheets (metal decking)
- Fire protection brackets to heavy steel

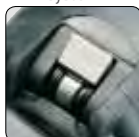
#### Features and Benefits

- Small and light tool: Gives perfect handling, easy access to confined spaces
- Easy re-load system: Will speed up working time on all applications
- Easy maintenance: Easy to disassemble and clean without tools
- Compact design: Smaller and lighter than competitor's tools
- Stability STAB system: Allows user to safely place tool when not in use
- Quick un-lock system: No tools required to disassemble the front part
- 10 pin magazine: For continuous work
- Low recoil: More comfort

360° rotation magazine integrating a 90° ratchet



Easy maintenance system



Easy re-load system



Quick un-lock system



#### Code & Description

Code	Description	Qty
O13891	P560 with Magazine	1

#### Technical Specifications

Product weight:	3.7 kg
Product weight including Mag.:	4.2 kg
P560 + Mag. dimensions:	363 x 277 x 77mm
P560 + Single Nose. dimensions:	363 x 215 x 69mm
Impact force max.:	520 J
Pin range:	25mm
Pin capacity:	10 pins
Overdrive:	10mm
Actuation pressure:	15 kg
Cycle rate:	1 pin/1 sec
Electro Galvanising:	7-15 microns high grade steel
Noise Emission (EN 12549)	
Sound Power Level LwA 1s 1m:	118 dB(A)
Sound Pressure Level LpA 1s 1m:	111 dB(A)
Vibration (EN ISO 8662-11) HAV	7.6m/s <sup>2</sup>

#### Kit Contains

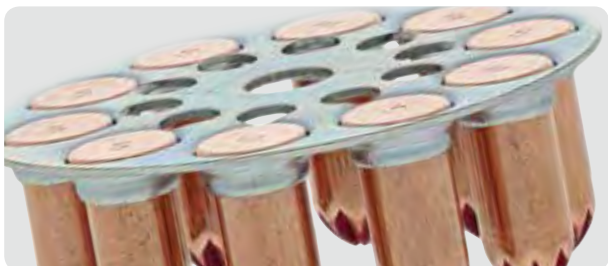
- P560 PAT tool
- High impact carry case
- Single shot adaptor
- Safety goggles to EN166:B
- Cleaning cloth and brushes
- Lubricating oil
- Safety gloves and ear protection
- 1 piston ring
- Instruction manual



#### Substrates



## SPIT P560 Disc Cartridges



SPIT offers a range of calibrated cartridges to meet specific needs. The wide range of cartridge strengths available allows successful fixings to a variety of base materials. Pins are driven into the substrate by a piston using an explosive cartridge. Always use the lowest level of power to achieve an acceptable fix.

### Loading:

1. Choose the pin length
2. Choose lowest cartridge power
3. Mechanically adjust tool power

Disc Cartridges				
	Yellow	Blue	Red	Black
<b>Eurocode:</b> <b>Box Qty: 100</b>	031240*	031230	031220	031210
<b>Strength:</b>	Medium	Medium High	High	Very High
<b>Calibre:</b>	6.3/16 (10 loads)	6.3/16 (10 loads)	6.3/16 (10 loads)	6.3/16 (10 loads)
	<b>STANDARD USE</b>			

\* Order to order, minimum order quantities apply

		Steel Thickness (mm) - Tested in S235 Steel							
		6	8	10	12	14	16	18	>20
Weaker ↑ ↓ Stronger	YELLOW	Suitable	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
	BLUE	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
	RED	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
	BLACK	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
		Suitable		Tests Required					

## SPIT P560 Consumables



HSBR 14 high performance pin designed specifically for steel grades above S275.

### SHEET METAL & BRICK TIE PINS WITH WASHERS



Code	Description	Length (mm)	Box Qty
011390	HSBR14* Single Shot	25.5	1,000
053953	HSBR14* Collated	25.5	1,000

\* European Technical Approval ETA - 08/0040.

### Pin Selection Guide

EU	Steel Thickness (mm)							
	6	8	10	12	14	16	18	>20
E295	Suitable	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
S355	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
E335	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required
E360*	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required	Tests Required

HSBR 14 Single Shot

\* Maximum value = 750 N/mm<sup>2</sup>

### Accessories

Code	Description	Qty
013952	P560 Magazine Kit	1
013955	P560 Single Shot Kit	1
014136	P560 Piston Kit	1
014137	P560 Spare Piston	1
999600	Safety Goggles (to EN166:B)	1
310080	SPIT Oil Spray	1
074000	Maintenance Kit	1



013952



014136



013955

## SPIT P525L and SPIT P230 Consumables and Accessories ONLY



SPIT P525L



SPIT P230

**Please Note: The SPIT P525L Powder Actuated Disc Cartridge Stand-up Tool and the The SPIT P230 Powder Actuated Disc Cartridge Tool is discontinued. Consumables and Accessories are ONLY available.**

P525L & P230 Disc Cartridges				
	Yellow	Blue	Red	Black
<b>Eurocode:</b> <b>Box Qty: 100</b>	031240*	031230	031220	031210
<b>Strength:</b>	Medium	Medium High	High	Very High
<b>Calibre:</b>	6.3/16 (10 loads)	6.3/16 (10 loads)	6.3/16 (10 loads)	6.3/16 (10 loads)
	<b>STANDARD USE</b>			

\* Order to order; minimum order quantities apply

### P525L Consumables

#### SHEET METAL AND BRICK TIE PINS WITH WASHERS



Code	Description	Length (mm)	Box Qty
030760	SBR 14 in tubes (10 pins)	25.5	1,000



### P525L & P230 Accessories

Code	Description	Qty
328300	Spare Piston for P525L	1
311590*	Spare Piston for P230	1
999600	Safety Goggles (to EN166:B)	1
310080	SPIT Oil Spray	1
074000	Maintenance Kit	1

\* Order to order only



999600



310080

### P230 Consumables

#### SHEET METAL AND BRICK TIE PINS WITH WASHERS



HSBR 14 high performance pin designed specifically for steel grades above S275

Code	Description	Length (mm)	Box Qty
030750	SBR 14	25.5	1,000
011390	HSBR14*	25.5	1,000

\* European Technical Approval ETA - 08/0040.

## RAMSET TS750P and RAMSET TS60P Consumables and Accessories ONLY



Ramset TS750P



Ramset TS60P

SPIT Direct Fixings:  
PAT Systems

**Please Note: Ramset TS750P Powder Actuated Universal Strip Cartridge Tool and Ramset TS60P Powder Actuated Lightweight Strip Cartridge Tool are discontinued. Consumables and Accessories are ONLY available.**

### Disc Cartridges

Code	Description	Diameter (mm)	Length (mm)	Colour	Strength	Box Qty
920133	HG20 - Strip Charges	6.8	11	Green	Low / V Low	100
920132	HY21 - Strip Charges	6.8	11	Yellow	Low	100
920131	HR22 - Strip Charges	6.8	11	Red	Med / High	100
920130	HB25 - Strip Charges	6.8	11	Black	High	100



### Consumables

#### C9 SINGLE SHOT PINS - CONCRETE SUBSTRATES (COMPATIBLE WITH TS750P & TS60P)



Code	Description	Length (mm)	Box Qty
032520	C9 25	25mm	100
032530	C9 30	30mm	100
032540	C9 35	35mm	100
032550*	C9 40	40mm	100
032560	C9 50	50mm	100
032570	C9 60	60mm	100
032580	C9 70	70mm	100

#### SC9 SINGLE SHOT PINS - STEEL AND CONCRETE SUBSTRATES (COMPATIBLE WITH TS750P & TS60P)



Code	Description	Length (mm)	Box Qty
032500	SC9 15 (Blue)	15mm	100
032510	SC9 20 (White)	20mm	100
032950	SC9 25 (White)	25mm	100
032930	SC9 30 (White)	30mm	100
032940	SC9 35 (White)	35mm	100
032920	SC9 40 (White)	40mm	100
032910	SC9 50 (White)	50mm	100
032900	SC9 60 (White)	60mm	100
032890	SC9 70 (White)	70mm	100

### Accessories

Code	Description	Qty
999600	Safety Goggles (to EN166:B)	1
310080	SPIT Oil Spray	1
074000	Maintenance Kit	1



999600



310080



















## SPIT Power Tools and Accessories

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### SPIT Substrate Key

 Concrete	 Hollow Slab
 Reinforced Concrete	 Aerated Concrete
 Solid Brick	 Steel
 Solid Block	 Porotherm
 Solid Stone	 Plasterboard
 Hollow Brick	 Timber
 Hollow Block	 Natural Stone

## SPIT 218 18V Li-ion Cordless Drywall Screwdriver



**SPIT 218 professional screwdriver is powerful, compact and lightweight. At only 1.6Kg this 18V screwdriver is versatile, offers fatigue-free work and a long battery runtime.**



### Applications

- Plasterboard or fibre-cement board onto metal stud, track or wood

### Features and Benefits

- Ideal power to weight ratio
- Quick release bit holder
- Powerful torque
- Adjustable and removable depth stop
- One touch battery load indicator
- Integrated LED lights
- Ergonomic soft grip handle
- Removable belt clip
- Collated screwgun attachment Speed 55 Easy Click (Supplied)
- 40 minutes fast charge
- 3,400 Drywall screws per charge
- Suitable for installing single screws 25 - 150mm
- Suitable for installing collated screws 25 - 55mm



### Code & Description

Code	Description	Qty
O54385	SPIT 218 Li-ion Screwdriver Kit	1

### Technical Specifications

<b>Product weight with battery:</b>	1.6 kg
<b>Dimensions:</b>	242 x 191 x 77mm
<b>Torque:</b>	8.5Nm
<b>Battery voltage:</b>	18V
<b>Cell capacity:</b>	4.2 Ah Li-ion
<b>No. load speed:</b>	4,200 rpm
<b>Bit holder:</b>	1/4" Internal Hexagon
<b>Max. screw diameter:</b>	5.0 mm
<b>Noise Emission (EN 12549)</b>	
Sound Power Level LwA 1s 1m:	87 dB(A)
Sound Pressure Level LpA 1s 1m:	76 dB(A)
K = 3 dB (A)	
<b>Vibration (EN ISO 8662-11) HAV</b>	
a = 2.5 m/s <sup>2</sup>	
K = 1.5 m/s <sup>2</sup>	

**ALWAYS wear ear, eye and hand protection.**

### Kit Contains

- SPIT 218 Li-ion cordless screwdriver
- High impact carry case
- 2 x Li-ion batteries 4.2Ah
- Li-ion battery charger (230V)
- Speed 55 Easy Click
- Instruction manual





## SPIT 218 Accessories



**Li-ion Battery - Greater life span and performance over NiMH and Ni-Cd.**

**SPIT Smart Charger - Optimises battery life; avoids overheating, therefore extending battery lifetime.**



### Battery Specifications: 4.2Ah Li-ion

Weight:	0.45kg
Capacity:	4.2Ah
Technology:	Li-ion
Voltage:	18V
Charger Time:	40 mins

### Accessories

Code	Description	Qty
054397	4.2 Ah Battery	1
054259	Battery Charger 230V	1
054267	SPEED 55 Easy Click Magazine + 2 x Phillips Collated Bits	1



054397

054259

054267

**SPEED 55 Easy Click Magazine - Collated screw magazine delivers continuous work for greater productivity. 50 screws per strip (length 25 to 55mm).**

## Did you know?

**SPIT Collated and Loose Drywall Screws** are compatible with all leading power tool manufacturers including the **SPIT 218 Drywall Screwdriver.**

For the SPIT Drywall Screw Range please refer to pages 156 - 157.



## SPIT Power Tool Accessories



### SPIT 217 Accessories ONLY

Code	Description	Qty
150599	EX580 Carbon fibre 1m Pole Tool	1
054306	3.0 Ah Li-ion Battery	1
054259	Battery Charger 230V	1
054267	SPEED 55 Easy Click Magazine + 2 x Phillips Collated Bits	1
054268	Phillips collated bits pack (2 per pack)	1
054176	SPIT LOCK® Belt Adaptor	1



217 EX 580 Pole Tool  
150599

217 SPIT LOCK®  
Belt Adaptor  
054176

217  
SPEED EASY CLICK  
054267

### Metric 1/2" Drive Hexagon Impact Sockets

Code	Description	Qty
923255	10mm Hexagon Impact Socket	1
923256	13mm Hexagon Impact Socket	1
923257	17mm Hexagon Impact Socket	1
923258	19mm Hexagon Impact Socket	1
923259	24mm Hexagon Impact Socket	1
923260	5 Piece Socket Set: 10, 13, 17, 19, 24mm Hexagon Impact Sockets	1

## SPIT PRIME

### Wet and Dry Diamond Blades



**SPIT PRIME** Blades represent excellent value for money. A general purpose diamond cutting alternative to abrasive blades.



#### Applications

##### HIGHLY SUITABLE FOR:

- Lightly Reinforced Concrete
- Concrete
- Hard York Stone
- Quartzite
- London Brick
- Hard Concrete Products
- Kerbs/Lintels/Beams
- Cast Pipes
- Bricks/Concrete Flags
- Hand Made Bricks Facing Bricks

##### SUITABLE WITH RESERVATIONS\*:

- Class A Engineering Bricks
- Clay Paviers/Pipes/Tiles
- Flint Aggregate Product
- Class B Engineering Bricks
- Heavily Reinforced Concrete
- Medium Reinforced Concrete
- Concrete Roof Tile

\* For further information, please contact our Technical Helpline on UK: 0800 731 4924 ROI: 1 800 882 38

#### Features and Benefits

- For use on lightly reinforced and non-reinforced concrete with medium aggregates. Also suitable for use as a general purpose blade for building materials
- Enabling wet and dry cutting options

#### Code & Description



Code	Width (mm)	Thickness (mm)	Hole Ø (mm)	Segments	Segments height (mm)	Box Qty
922708	115	2.2	22.2	9	8	10
922707	230	2.4	22.2	22	8	10
922706	300	2.8	20.0	18	8	10

#### Specifications

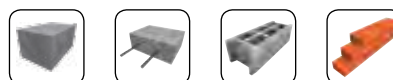
Segment height:	8mm
Segment type:	Segmented, key hole gullet
Dry/Wet:	Dry & wet
Blade ventilation:	No
Core Protection:	No

#### Technical

Standard Compliance: EN13236 / GPSD

SPIT works hard to ensure the safety of its customers, as a result all SPIT products comply with the European standards for the production of abrasive, super-abrasive and carbide tools. The EN mark on a product signifies that this product has passed rigorous testing and has been certified accordingly.

#### Substrates



## SPIT R3 SDS-PLUS Hammer Drill Bits



SDS-plus

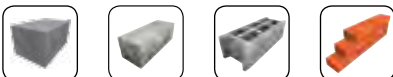
**SPIT R3 SDS-PLUS Hammer Drill Bits offer fast drilling and dust removal for all rotary hammers with an SDS-PLUS tool holder. Offers excellent life in masonry and concrete.**

### Features and Benefits

- Latest carbide tip technology: Increases penetration and efficiency when drilling
- High grade virgin carbide: Ensures increased tool life and number of holes drilled, which produces truer and rounder holes
- Special drill flute geometry: Ensures accurately drilled holes, maximum spoil removal and reduced friction, which increases bit life
- Brazed copper tip: Increases bit life



### Substrates



### Code & Description

Code	Description	Working Length (mm)	Box Qty
922923	4mm x 160mm	90	10
922924	5mm x 110mm	45	10
922925	5mm x 160mm	90	10
922926	5.5mm x 110mm	45	10
922927	5.5mm x 160mm	90	10
922928	5.5mm x 210mm	140	10
922929	6mm x 110mm	45	10
922930	6mm x 160mm	90	10
922931	6mm x 210mm	140	10
922932	6.5mm x 160mm	90	10
922933	6.5mm x 210mm	140	10
922934	7mm x 110mm	45	10
922935	7mm x 160mm	90	10
922936	7mm x 210mm	140	10
922937	8mm x 110mm	45	10
922938	8mm x 160mm	90	10
922939	8mm x 210mm	140	10
922940	8mm x 260mm	180	10
922941	9mm x 160mm	90	10



### Code & Description

Code	Description	Working Length (mm)	Box Qty
922942	9mm x 210mm	140	10
922943	10mm x 160mm	90	10
922944	10mm x 210mm	140	10
922945	10mm x 260mm	180	10
922946	10mm x 310mm	230	10
923205	10mm x 450mm	360	10
920206	10mm x 600mm	510	10
923207	10mm x 1000mm	900	1
922947	11mm x 310mm	230	10
922948	12mm x 160mm	90	10
922949	12mm x 210mm	140	10
922950	12mm x 260mm	180	10
922951	12mm x 310mm	230	10
923208	12mm x 450mm	360	10
923209	12mm x 600mm	510	10
923210	12mm x 1000mm	900	1
923211	13mm x 260mm	180	10
922952	14mm x 160mm	90	10
922953	14mm x 210mm	140	10
922954	14mm x 250mm	170	10
922955	14mm x 310mm	230	10
922956	16mm x 160mm	90	10
922957	16mm x 210mm	140	10
922958	16mm x 300mm	220	10
923212	16mm x 450mm	360	10
923213	16mm x 600mm	510	10
923214	16mm x 1000mm	900	1
923215	18mm x 210mm	140	10
923216	18mm x 260mm	180	10
923217	18mm x 300mm	220	10
923218	18mm x 450mm	360	10
923219	18mm x 600mm	510	10
923221	20mm x 200mm	130	10
923222	20mm x 300mm	220	10
923223	20mm x 450mm	360	10
923224	20mm x 600mm	510	10
923225	20mm x 1000mm	900	1
923226	22mm x 250mm	170	10
923227	22mm x 450mm	360	10
923228	22mm x 600mm	510	10
923229	24mm x 250mm	170	10
923230	24mm x 450mm	360	10

## SPIT RHD

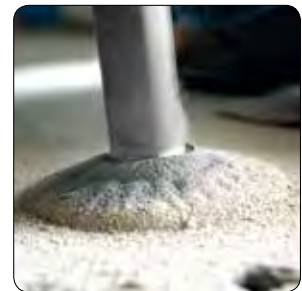
### Extreme Rebar Cutters



 **SDS-plus**

 **SDS-plus Adaptor**

**SPIT RHD Extreme Rebar Cutter is the easiest to use rebar drill bit in the market. Suitable for use with the drill hammer action ON, this extremely durable cutter removes the possibility of accidental user error, which can result in the loss of teeth.**



#### Features and Benefits

- Extreme durability thanks to embedded and individually soldered tungsten carbide teeth
- Integrated ejection aid for simple removal of reinforcement from the bit body
- Use with hammer action on. No need for the user to switch between hammer action and rotary only drilling, which is often forgotten resulting in reduced life, frustration and delays on site
- Use dry, no water feed required
- Can be used with the adaptor together with all SDS-plus hammer drills
- Optimised transmission of impact energy
- High drilling speed and extremely long service life
- Unique HST-curing process ensures an ideal surface texture, whilst increasing the product flexibility reducing the risk of breakage

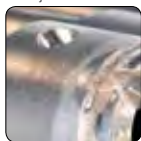
#### Code & Description

Code	Description	Ø (mm)	Working Length (mm)	Total Length (mm)	Box Qty
923274	12mm RHD Rebar Cutter	12	190	230	1
923275	14mm RHD Rebar Cutter	14	190	230	1
923276	16mm RHD Rebar Cutter	16	190	230	1
923277	18mm RHD Rebar Cutter	18	190	230	1
923278	20mm RHD Rebar Cutter	20	190	230	1
923279	25mm RHD Rebar Cutter	25	190	230	1
923280	28mm RHD Rebar Cutter	28	190	230	1
923281	30mm RHD Rebar Cutter	30	190	230	1
923282	SDS-Plus Rebar Adaptor	-	-	-	1

Embedded carbide teeth



Integrated ejection aid



Long service life



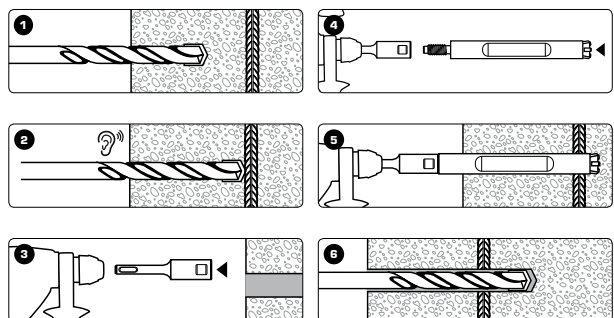
Optimised transmission



#### Substrates



#### Installation





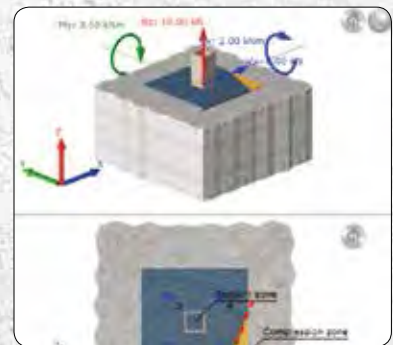


# EXTENSIVE & SEAMLESS SUPPORT

# i-EXPERT

Anchor Calculation Software

SPIT Support



**SPIT i-Expert** is the quickest and easiest way to get a completely accurate specification for any approved SPIT anchor.

**SPIT i-Expert** performs calculations according to ETAG and Eurocode 2 guidelines and is supplied with the SPIT ETA approval library.

**For advice, demonstration or training on SPIT i-Expert contact our Technical Helpline: 0800 731 4924.**

### 3D visual interface

Allows you to create 3D design models for all applications.

### Logical and intuitive interface

The main menu guides you through easy to follow, logical steps.

### User-friendly results

By using the filters you can select the optimal anchor, have access to resistance and installation data and edit the calculation sheet in PDF format.

### Free design mode

Allows application design with defined asymmetric anchor positions for rebar interference and difficult design cases.

### European calculation method

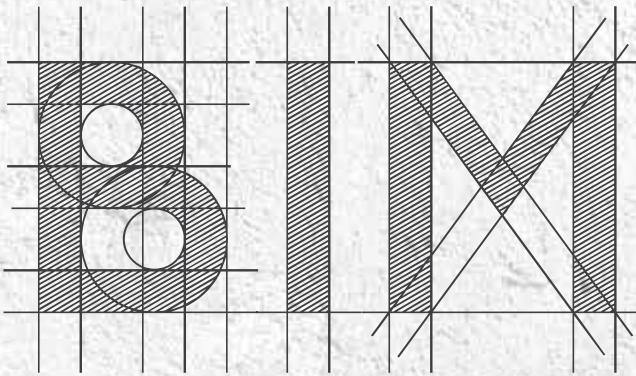
Design according to ETAG and Eurocode 2 guidelines.

### Checking of the base plate thickness

Allows you to create a design model of the base plate using finite elements.

**i-Expert is accessible from any internet browser, and an offline version is also available to download from our website:**

[www.SPIT.com/i-expert](http://www.SPIT.com/i-expert)



## Building Information Modelling

**SPIT** has implemented BIM in order to provide designers & specifiers the full suite of specification tools. This is in preparation for the government's intention to require collaborative 3D BIM for all projects, with asset information and documentation being electronic on all projects by 2016.

**SPIT** has worked extensively to provide a comprehensive library of products that can be selected and specified. The **SPIT** BIM Library can be installed straight into Autodesk software, or alternatively i-Expert can do the design, specification and output the BIM model and data for insertion straight into the project.

These tools are developed to enhance your **SPIT** experience when designing and specifying anchors.

- Manufacturer produced models & associated data
- Library plug-in for Autodesk
- i-Expert specification & BIM model output functionality



## ITWCP Certified CPDs

**SPIT** is a leading manufacturer of fixings for steel and concrete applications. With over 60 years of innovation, manufacturing, R&D and support, we provide fixing systems and solutions to professionals all over the world.

With ever increasing guidance, regulation and technical methodology our CPD's provide insight into critical areas of construction.

Our CPD's will provide a great understanding, covering specific anchor topics and types, as well as design tools to make your whole anchor experience seamless. Contact us to discuss your accredited CPD requirements.



The CPD Certification Service



**TO BOOK A CPD: Call 0800 652 9260 or Email [cpd@itwcp.com](mailto:cpd@itwcp.com)**

SPIT Support



**SPIT XTREM** is the most comprehensive fixing range that has been developed to meet the most demanding, harshest and safety critical applications in the UK.

**SPIT XTREM** provides best in class performance with industry leading levels of accreditation, covering cracked and non-cracked concrete, fire, WRAS and seismic activity.

**BORN TO PERFORM**

XTREM  
SPIT XTREM  
Fixing Range



### TRIGA Z XTREM



High performance safety anchor for cracked and non-cracked concrete.

REFER TO PAGES 74 - 75

### FIX Z XTREM



Through bolt anchor for cracked and non-cracked concrete.

REFER TO PAGES 76 - 77

### EPCON C8 XTREM



Epoxy resin for studs, post installed rebar and starter bar in cracked and non-cracked concrete.

REFER TO PAGE 72

### B-LONG XTREM



High performance versatile frame anchor for use in multiple base materials.

REFER TO PAGE 73



## Developed For The Harshest and Most Extreme Circumstances

**SPIT XTREM's** performance characteristics extend where others start to fail. Anchor performance is dramatically enhanced with concrete capacity being the only limiting factor in most anchor calculations, reducing design and selection complexity. Utilising our experience, R&D, smart engineering and manufacturing capabilities, we have improved and enhanced many aspects. Benefits to the specifier and end user include improved anchor edge and spacing distances, plus unique features that provide flexibility and decrease installation complexity.

- High level performance
- Safety critical applications
- Reduced design and selection complexity
- Cracked & non-cracked concrete
- Fire rated
- WRAS approved
- Seismic

## Performance, Accreditation & Flexibility

**SPIT XTREM** gives you the assurance, accreditation and flexibility to cover the latest infrastructure, utility or civil construction project. **SPIT XTREM** is the technical solution for your fixing requirements.

- Utilities, infrastructure & civil engineering
- Rail, power stations, bridges, airports
- Water facilities
- Metal frame structures
- Façade & curtain wall
- Silos
- Post-installed rebar
- Safety rails & balustrades
- Heavy HVAC
- Lift shafts & loading areas



POST-INSTALLED REBAR



STEEL FRAME CONSTRUCTION



MECHANICAL EQUIPMENT



INFRASTRUCTURE & CIVIL ENGINEERING



CURTAIN WALL



TIMBER CONSTRUCTION

# XTREM Fixing Range

## NEW SPIT EPCON C8 XTREM Extreme Performance Epoxy Resin



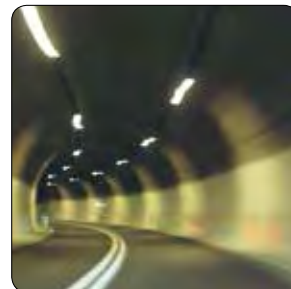
A very high performance pure epoxy resin, which can be used for the installation of threaded studs, post-installed rebar and starter bar. Approved for use in cracked and non-cracked concrete and applications subject to seismic loads.

### Applications

- Structural steel connections
- Fire escapes
- Balustrades
- Machinery & railings
- Formwork
- Storage silos
- Post-installed rebar
- Safety barriers
- Under water applications
- Gantry

### Features and Benefits

- ETA approved Option 1 epoxy resin for cracked and non-cracked concrete for studs (M8 to M30)
- ETA approved for fixing post-installed rebar & starter bar Ø8mm to Ø32mm
- Approved for studs in C1 seismic applications
- 4 hour fire approval
- For use in diamond drilled holes for rebar applications
- Suitable for humid and wet holes
- 36 month shelf life
- Approved for potable water (WRAS)
- Styrene free
- Resealable cap increases life and reduces waste
- Odourless



### Code & Description

Code	Description	Qty
O55887*	EPCON C8 XTREM Cartridge (450ml) + 1 Nozzle + 1 Extension	1

\*Must be ordered in multiples of 12.

### Approvals

<p>STUD ETA OPTION 1 n° 10/0309</p>	<p>REBAR ETA TR 023 n° 07/0189</p>
<p>Approval no. 0901501</p>	<p>SEISMIC (REBAR)</p>
<p>A+</p>	<p>London Underground Approved. Refer to page 5 &amp; 174</p>
<p>R240 FIRE RESISTANCE (REBAR)</p>	
<p>C1 SEISMIC RESISTANCE</p>	

### Technical Specifications

Minimal shrinkage:	0.003%
High bond strength:	20 N/mm <sup>2</sup>
Resin colour:	Dark Grey

### Substrates



\*Applicable with care

REFER TO PAGES 84 - 85 FOR MORE INFO ON EPCON C8

## NEW SPIT B-LONG XTREM Frame Anchors

MULTI-MATERIAL



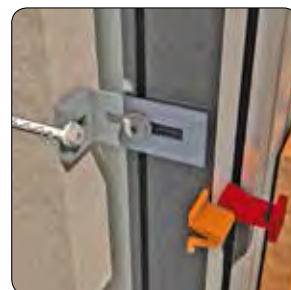
High Performance, versatile frame anchor for use in multiple base materials. Variable embedment and unique collapse collar ensures the perfect fix in the vastest range of materials.

### Applications

- Façade and cladding
- Window and door frames
- Fixing timber battens
- Timber frame structures
- Roofing insulation
- Railings and gates

### Features and Benefits

- European Technical Approval for use in concrete and masonry for non structural applications
- Shorter embedment depth: Only 40mm required into concrete, reducing installation time
- Shorter drill depth reducing operator fatigue and installation time
- Fire resistance: 90 minute fire rating



### Approvals



ETAG 020  
ETA 13/1068

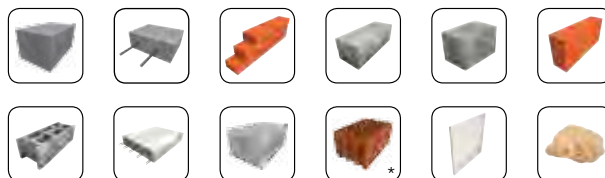


R90 FIRE  
RESISTANCE



SEISMIC  
RESISTANCE

### Substrates



\* Applicable with care

REFER TO PAGES 120 - 121 FOR MORE INFO ON B-LONG

### B-LONG XTREM HEX HEAD - ZINC PLATED



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567969	10	13mm Hex	60	10	40	50	70	50
567970	10	13mm Hex	80	30	40	50	70	50
567971	10	13mm Hex	100	50	40	50	70	50

[1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

### B-LONG XTREM HEX HEAD - STAINLESS STEEL A4



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567986	10	13mm Hex	60	10	40	50	70	50
567987	10	13mm Hex	80	30	40	50	70	50
567988	10	13mm Hex	100	50	40	50	70	50

[1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

# XTREM Fixing Range

## NEW SPIT TRIGA Z XTREM High Performance Safety Anchors

CONCRETE



Triga Z is the specifiers solution for high load, safety critical applications in cracked and non-cracked concrete. Highly approved and engineered torque controlled through bolt that gives you performance and assurance on the biggest projects.

### Applications

- Heavy supports
- Ventilation
- Safety barriers / balustrades
- Crane rails & gantry
- Machine mounting
- Steel columns & wall plates
- Structural & safety critical applications
- Silos

### Features and Benefits

- Highly approved ETA Option 1 anchor for cracked and non-cracked concrete
- M10 to M16 approved for C1 and C2 seismic applications
- Fire rated
- Sleeve marking indicates maximum fixture thickness
- Versatile: Bolt version for aesthetic fixing; Loose Nut version which is adjustable; Countersunk version for flush fixing
- Patented all-steel Z shape collapse system: Ensures clamping pressure and anti-rotation
- Heavy duty, high performance, oversized washer: Prevents deformation during installation



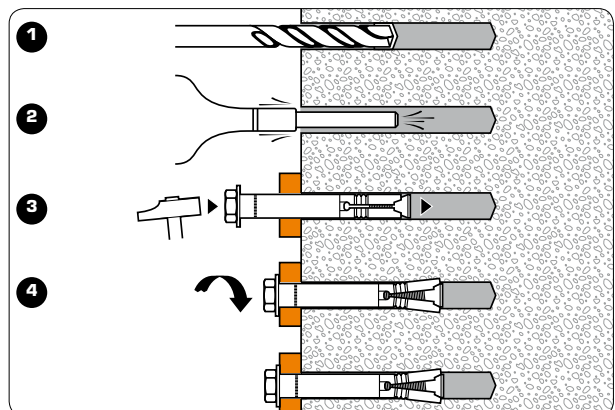
### Approvals



### Technical Specifications

<b>Bolt:</b>	Class 8.8	<b>ZINC</b>
<b>Stud:</b>	Class 8.8	
<b>Nut:</b>	Class 8	
<b>Zinc Coating:</b>	Min 5µm	

### Installation



### Substrates



\*Applicable with care

## High Performance Safety Anchors

### TRIGA Z XTREM BOLT VERSION (V) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050673*	M6	65	10	5	50	70	100	12	10	15	-	100
050674	M6	80	10	20	50	70	100	12	10	15	-	100
050677**	M8	65	12	1	60	80	120	14	13	25	-	100
050678	M8	80	12	10	60	80	120	14	13	25	-	50
050679	M8	90	12	20	60	80	120	14	13	25	-	50
053001	M8	120	12	50	60	80	120	14	13	25	-	50
050687**	M10	75	15	1	70	90	140	17	17	50	-	25
050688	M10	95	15	10	70	90	140	17	17	50	C1/C2	25
050689	M10	105	15	20	70	90	140	17	17	50	C1/C2	25
053003	M10	140	15	55	70	90	140	17	17	50	C1/C2	25
050696	M12	105	18	10	80	105	160	20	19	80	C1/C2	25
050697	M12	120	18	25	80	105	160	20	19	80	C1/C2	25
053004	M12	150	18	55	80	105	160	20	19	80	C1/C2	25
050704	M16	130	24	10	100	131	200	26	24	120	C1/C2	10
050705	M16	145	24	25	100	131	200	26	24	120	C1/C2	10
050710	M16	170	24	50	100	131	200	26	24	120	C1/C2	10
050711	M20	170	28	25	125	157	250	31	30	200	-	5

\*Order to order only. \*\*Not ETA approved

### TRIGA Z XTREM LOOSE NUT VERSION (E) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050675	M6	117	10	50	50	70	100	12	10	15	-	100
050681	M8	99	12	20	60	80	120	14	13	25	-	100
050683	M8	114	12	35	60	80	120	14	13	25	-	50
050684	M8	134	12	55	60	80	120	14	13	25	-	50
050685	M8	174	12	95	60	80	120	14	13	25	-	50
050691	M10	114	15	20	70	90	140	17	17	50	C1/C2	25
050692*	M10	129	15	35	70	90	140	17	17	50	C1/C2	25
050693	M10	149	15	55	70	90	140	17	17	50	C1/C2	25
050694	M10	194	15	100	70	90	140	17	17	50	C1/C2	25
050698	M12	132	18	25	80	105	160	20	19	80	C1/C2	25
050699	M12	152	18	45	80	105	160	20	19	80	C1/C2	20
050701	M12	172	18	65	80	105	160	20	19	80	C1/C2	10
050702*	M12	207	18	100	80	105	160	20	19	80	C1/C2	20
050706	M16	159	24	25	100	131	200	26	24	120	C1/C2	10
050707	M16	189	24	55	100	131	200	26	24	120	C1/C2	5
050708	M16	234	24	100	100	131	200	26	24	120	C1/C2	5
050712	M20	192	28	25	125	157	250	31	30	200	-	5
050713	M20	227	28	60	125	157	250	31	30	200	-	5
050714	M20	267	28	100	125	157	250	31	30	200	-	5

\*Order to order only.

### TRIGA Z XTREM COUNTERSUNK VERSION (TF) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050686	M8	85	12	16	60	80	120	14	8	25	-	50
053002	M8	95	12	26	60	80	120	14	8	25	-	50
050695	M10	105	15	27	70	90	140	17	8	50	C1/C2	25
050715**	M12	130	18	40	80	105	160	20	8	80	-	10

\*\*Not ETA approved

# XTREM Fixing Range

## NEW SPIT FIX Z XTREM Through Bolt Anchors

CONCRETE



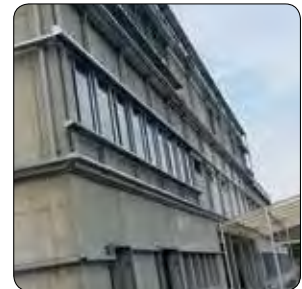
**FIX Z XTREM** through fixing, for speed and efficiency on site. **ETA Option 1** fire and seismic approved, for an assured fix into the most demanding applications in both cracked and non-cracked concrete. Next generation anchor has high load capacity and improved edge & spacing factors.

### Applications

- All steel constructions
- Stadium seating
- Facades
- Heavy pipe containment
- Curtain wall
- Balustrades
- Support bracketry

### Features and Benefits

- ETA Option 1 approved anchor for cracked and non-cracked concrete
- M8 approved for C1 seismic applications
- M10 to M20 approved for C1 and C2 seismic applications
- Anti-rotation expansion sleeve
- Chamfered head protects the threads during installation
- Expansion sleeve and clip optimised for maximum expansion and capacity
- Rolled Thread to increase strength
- Stainless steel expansion sleeve for optimum performance in cracked concrete
- Sleeve with three legs to distribute the expansion stress on the whole cone
- Drill bit required is the same as the anchor diameter



### Approvals



ETA OPTION 1  
ZINC: n° 15/0388  
A4: n° 04/0010



London Underground  
Approved. Refer to  
page 5 & 174



R120 FIRE  
RESISTANCE



C1/C2 SEISMIC  
RESISTANCE

### Substrates

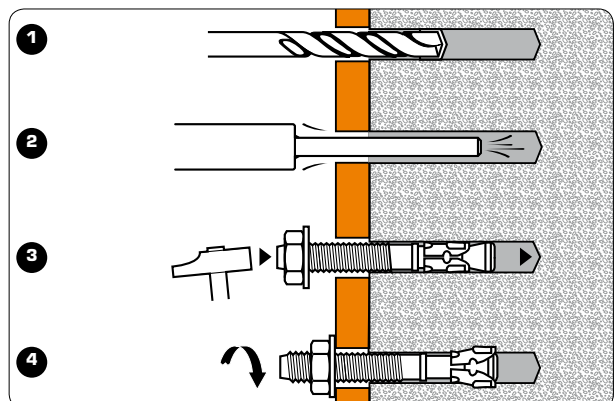


\* Applicable with care

### Technical Specifications

<b>Bolt:</b>	Class 8.8	<b>BZP</b>	<b>S/STEEL</b>	
<b>Nut:</b>	Class 6 or 8			Stainless steel A4
<b>Washer:</b>	NFE 25513			Stainless steel A4
<b>Zinc Coating:</b>	Min 5µm			-

### Installation



## Through Bolt Anchors

### FIX Z XTREM - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
057763	M8	65	8	5	60	100	20	C1	100
057764	M8	75	8	15	60	100	20	C1	100
057765	M8	90	8	60	60	100	20	C1	50
057766	M8	120	8	60	60	100	20	C1	50
057788	M8	130	8	80	60	100	20	C1	50
057768	M10	85	10	5	75	120	45	C1/C2	50
057769	M10	90	10	10	75	120	45	C1/C2	50
057770	M10	100	10	20	75	120	45	C1/C2	25
057771	M10	120	10	40	75	120	45	C1/C2	25
057772	M10	140	10	60	75	120	45	C1/C2	25
057773	M10	160	10	80	75	120	45	C1/C2	25
057774	M12	100	12	5	90	140	60	C1/C2	25
057775	M12	105	12	10	90	140	60	C1/C2	25
057776	M12	115	12	20	90	140	60	C1/C2	25
057777	M12	135	12	40	90	140	60	C1/C2	25
057778	M12	155	12	60	90	140	60	C1/C2	25
057779	M12	180	12	85	90	140	60	C1/C2	20
057781	M16	145	16	25	110	170	110	C1/C2	10
057782	M16	170	16	50	110	170	110	C1/C2	10
057783	M16	180	16	60	110	170	110	C1/C2	10
057785	M20	170	20	30	130	200	160	C1/C2	10
057786	M20	200	20	60	130	200	160	C1/C2	10
057787	M20	220	20	80	130	200	160	C1/C2	10

### FIX Z XTREM - LARGE WASHER (LW) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
057789	M8	65	8	5	60	100	20	C1	100
057790	M8	130	8	70	60	100	20	C1	25
057791	M10	85	10	5	75	120	45	C1/C2	50
057792	M10	160	10	80	75	120	45	C1/C2	20
057793	M12	180	12	85	90	140	60	C1/C2	15
057794	M16	180	16	60	110	170	110	C1/C2	5
057795	M20	220	20	60	130	200	160	C1/C2	5

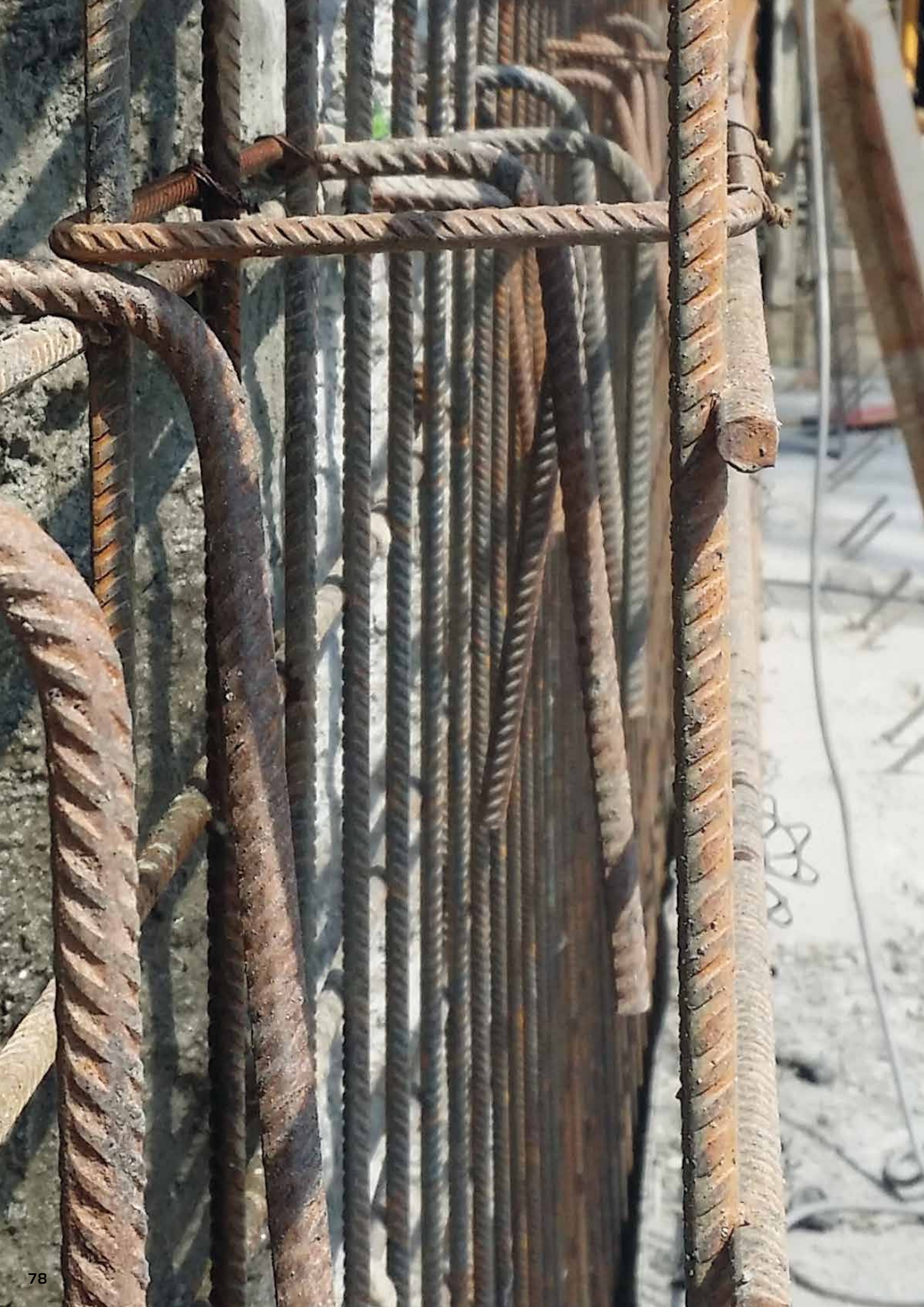
### FIX Z - STAINLESS STEEL GRADE A4-316



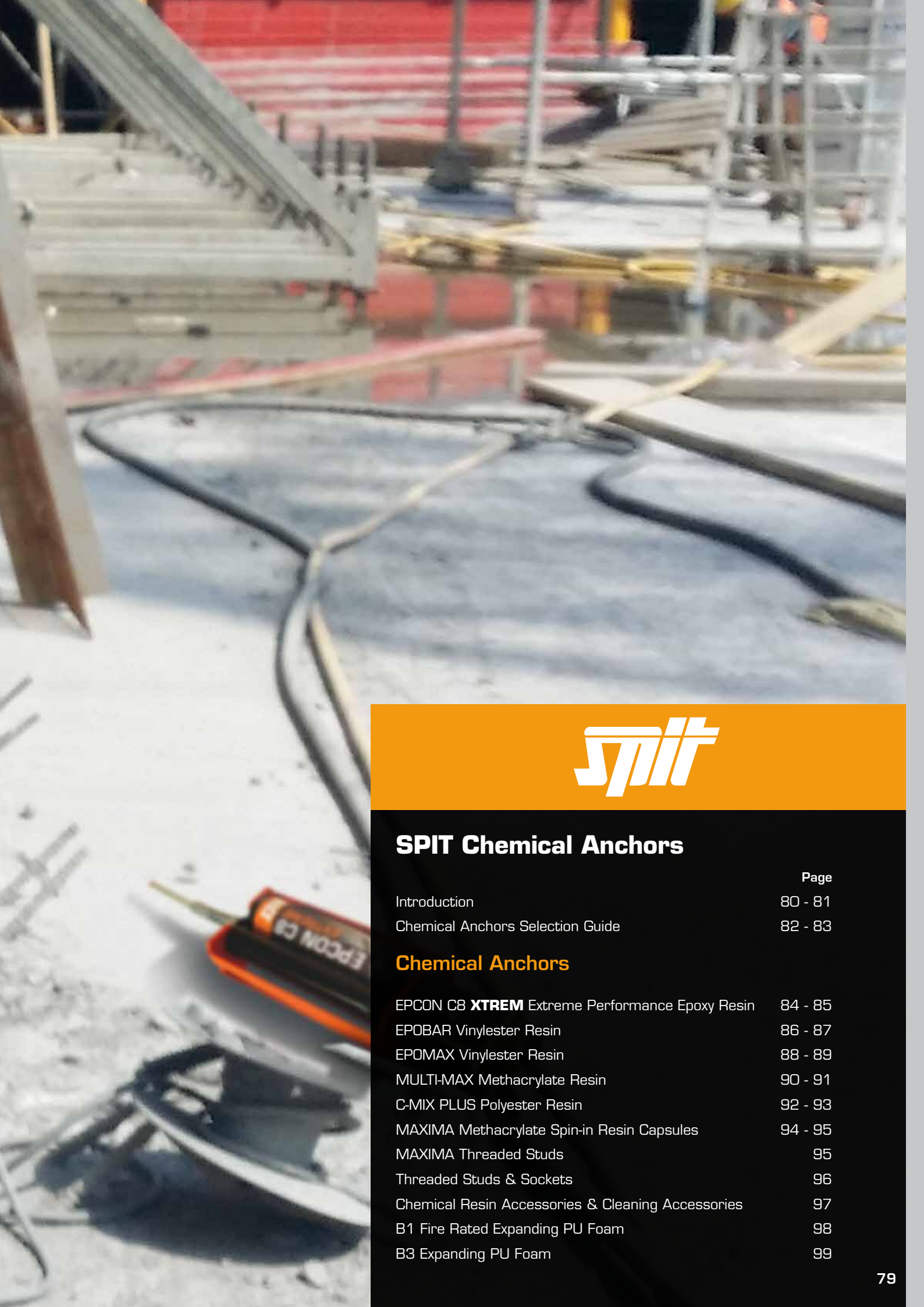
Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness** (mm)	Min Anchor Depth (mm)	Min Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Box Qty
054270*	M6	55	6	5 - 15	25	35	100	10	100
050441	M8	55	8	5	35	52	100	20	100
054610	M8	70	8	7 - 20	35	52	100	20	100
055343	M8	90	8	27 - 40	35	52	100	20	50
050466	M10	65	10	5	42	62	116	35	50
054630	M10	75	10	15	42	62	116	35	50
054640	M10	95	10	20 - 35	42	62	116	35	50
050442	M10	120	10	45 - 60	42	62	116	35	25
055344	M12	80	12	5	50	75	140	50	25
055345	M12	100	12	6 - 25	50	75	140	50	25
055394	M12	115	12	21 - 40	50	75	140	50	25
054680	M12	140	12	46 - 65	50	75	140	50	25
050443	M16	125	16	8 - 30	64	95	172	100	25
054700	M16	150	16	33 - 55	64	95	172	100	10
050444	M16	170	16	53 - 75	64	95	172	100	10

\* Not ETA approved

\*\* Where there are two figures given, the second is maximum fixture thickness in case of deep embedment.







## SPIT Chemical Anchors

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<b>Chemical Anchors</b>	
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# CHEMICAL RESIN ANCHORS

**SPIT** is one of the few leading fixing companies that manufacture its own chemical resins. This gives us the knowledge, expertise & facilities to develop resins to our own exacting standards and formulations to meet specific trade applications.

**SPIT** provides a family of chemical resins to meet an extensive range of application and accreditation requirements in the most cost effective and efficient way.

**SPIT** chemical resins cover safety critical applications in a range of demanding conditions, but also includes products specially designed and developed for the distributor and general applications to provide hassle free selection and supply.



## **EPCON C8 XTREM** EPOXY RESIN

Our most extreme resin. SPIT's pure epoxy formulation provides un-paralleled performance in the most critical applications. Suitable for a host of construction applications and approved for cracked and non-cracked concrete fire rated, Seismic C1 and WRAS. Epcon C8 XTREM is the resin you need when loads and environmental factors are of high importance.

## **EPOBAR** VINYLESTER RESIN

The only resin specially formulated solely for rebar and post-installed reinforcement. Epobar provides high performance and characteristics which are tailored especially to meet rebar applications. Viscosity and cure time allows manipulation for even the deepest installed reinforcement. Approved for post-installed reinforcement, Epobar can be used in a range of site and hole conditions including wet or diamond drilled.

### EPOMAX VINYLESTER RESIN

Provides high performance with approvals for many site conditions including wet hole conditions and fire rated use. Epomax is a technical resin that has been designed and specified for a range of construction applications, where performance for stud and rebar installation is required.

### C-MIX PLUS POLYESTER RESIN

Designed for non-critical internal applications.



### MAXIMA RESIN CAPSULES

Provide high performance with no hazardous wastage to dispose of. Approved for threaded studs in to concrete Maxima provides performance with efficient and economical use.



### MULTI-MAX METHACRYLATE RESIN



















Provides great performance in the broadest range of substrates. With 3 ETA approvals for concrete, masonry and rebar, Multi-Max removes difficulty from selecting resins and simplifies supply and selection for the distributor and end-user. Approved for 15 different substrates and suitable for many more, Multi-Max gives optimum performance with the greatest flexibility.



# Chemical Anchors Selection Guide









● **Applicable**

○ **Applicable with care**

	 ETA	 SEISMIC	 Concrete	 Reinforced Concrete	 Solid Brick	 Solid Block
<b>EPCON C8 XTREM</b> With Threaded Stud or Socket 		●	●	●	●	●
<b>EPCON C8 XTREM</b> With Rebar 		●	●	●	●	●
<b>EPOBAR</b> With Rebar 			●	●	●	●
<b>EPOMAX</b> With Threaded Stud or Socket 			●	●	●	●
<b>EPOMAX</b> With Rebar 			●	●	●	●
<b>EPOMAX</b> With Plastic Sleeve & Threaded Stud 						
<b>MULTI-MAX</b> With Threaded Stud or Socket 			●	●	●	●
<b>MULTI-MAX</b> With Rebar 			●	●	●	●
<b>MULTI-MAX</b> With Plastic Sleeve & Threaded Stud 						
<b>C-MIX PLUS</b> With Threaded Stud 			●	●	●	●
<b>C-MIX PLUS</b> With Plastic Sleeve & Threaded Stud 						
<b>MAXIMA</b> With Maxima Threaded Stud 			●	●	○	●

## CHEMICAL ANCHORS

SPLIT  
Chemical Anchors

	 Solid Stone	 Hollow Brick	 Hollow Block	 Hollow Slab	 Aerated Concrete	 Porotherm	 Plasterboard	 Natural Stone	<b>PAGE NO.</b>
	●				○			○	<b>84</b>
	●				○			○	<b>84</b>
	●				○			○	<b>86</b>
	●				○			○	<b>88</b>
	●				○			○	<b>88</b>
		●	●	●	○	○	●	○	<b>88</b>
	●				○			○	<b>90</b>
	●				○			○	<b>90</b>
		●	●	●	○	●		○	<b>90</b>
	●				○			○	<b>92</b>
		●	●	●	○	●	●	○	<b>92</b>
	●							○	<b>94</b>

## NEW SPIT EPCON C8 XTREM Extreme Performance Epoxy Resin



A very high performance pure epoxy resin, which can be used for the installation of threaded studs, post-installed rebar and starter bar. Approved for use in cracked and non-cracked concrete and applications subject to seismic loads.

### Applications

- Structural steel connections
- Fire escapes
- Balustrades
- Machinery & railings
- Formwork
- Storage silos
- Post-installed rebar
- Safety barriers
- Under water applications
- Gantry

### Features and Benefits

- ETA approved Option 1 epoxy resin for cracked and non-cracked concrete for studs (M8 to M30)
- ETA approved for fixing post-installed rebar & starter bar Ø8mm to Ø32mm
- Approved for studs in C1 seismic applications
- 4 hour fire approval
- For use in diamond drilled holes for rebar applications
- Suitable for humid and wet holes
- 36 month shelf life
- Approved for potable water (WRAS)
- Styrene free
- Resealable cap increases life and reduces waste
- Odourless



### Code & Description

Code	Description	Qty
O55887*	EPCON C8 XTREM Cartridge (450ml) + 1 Nozzle + 1 Extension	1

\*Must be ordered in multiples of 12.

### Approvals

<p>STUD ETA OPTION 1 n° 10/0309</p>	<p>REBAR ETA TR 023 n° 07/0189</p>
<p>APPROVED MATERIAL</p>	<p>Approval no. 0901501</p>
<p>VOC free A+ A B C</p>	<p>CSTB SEISMIC (REBAR)</p>
<p>LUG APPROVED</p>	<p>London Underground Approved. Refer to page 5 &amp; 174</p>
<p>R240 FIRE RESISTANCE (REBAR)</p>	<p>C1 SEISMIC RESISTANCE</p>

### Technical Specifications

Minimal shrinkage:	0.003%
High bond strength:	20 N/mm <sup>2</sup>
Resin colour:	Dark Grey

### Substrates



\*Applicable with care

## NEW SPIT EPCON C8 XTREM Threaded Studs & Rebar

### Cartridge Fixings

#### NO. FIXINGS PER CARTRIDGE THREADED STUD



Stud	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 450ml
M8	10	80	165
M10	12	90	120
M12	14	110	83
M16	18	125	56
M20	25	170	12
M24	28	210	11
M30	35	280	5

#### NO. FIXINGS PER CARTRIDGE REBAR

Rebar (mm)	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 450ml
8	10	100	133
		190	70
		225	59
		322	41
10	12	121	90
		230	47
		282	39
		403	27
12	15	145	41
		280	21
		338	17
		483	12
14	18	169	22
		330	11
		395	10
		564	7
16	20	193	17
		370	9
		451	7
		644	5
18	25	242	9
		470	5
		564	4
		805	3
25	32	302	4
		550	2
		704	2
		1006	1
28	35	338	3
		600	2
		789	1
		1127	1
32	40	386	2
		750	1
		901	1
		1288	1



For details of threaded studs and sockets refer to page 96

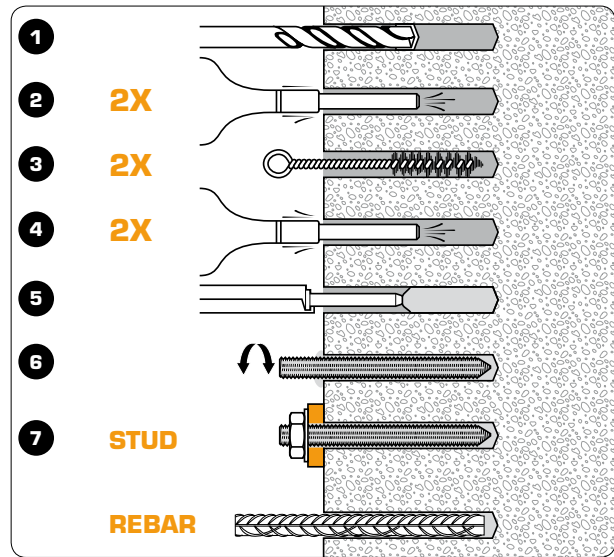


For chemical resin accessories refer to page 97

### Curing Time - Dry Concrete

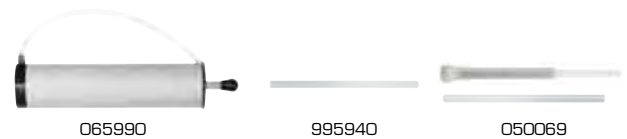
Temperature	Gel Time	Curing Time
40°C	5 mins	6 hr
30°C	8 mins	8 hr
20°C	14 mins	12 hr
10°C	20 mins	23 hr
5°C	26 mins	26 hr
0°C	26 mins	26 hr
-5°C	26 mins	49 hr

### Installation



### Accessories

Code	Description	Qty
055830	Manual Injection Tool (450ml) - Metal Frame	1
050067	Manual Injection Tool (450ml) - Premium	1
050069	Highflow Application Nozzle with Extension	1
995940	Extension Nozzle (290mm Long)	1
055832	Manual Cleaning Kit + Tool box	1
065990	Hand Operated Blow Out Pump	1



## SPIT EPOBAR Vinylester Resin



**High performance vinylester resin suitable for fastening reinforcement bars. Specially designed for post-installed reinforcement, Epobar ensures minimal down time and site disruption.**

### Applications

- Post-installed reinforcement
- Concrete repair
- Formwork
- Remedial reinforcement fixing

### Features and Benefits

- ETA approved resin for fixing post-installed rebar.
- Very high bond strength, ideal for securing rebar from 8 to 32mm, up to 900mm in depth
- Suitable for use in diamond drilled holes. No secondary roughing of the smooth hole surface required
- Can be used in wet and dry concrete applications
- Suitable for use in temperatures from -5°C to 40°C
- Fast gel and cure time in low temperatures ensure minimal site disruption
- Designed for optimum cure time even with deep reinforcement
- Reliable performance at high temperatures - at 100°C Epobar retains 65% performance
- Styrene free
- Odourless
- Long 16 month shelf life
- Resealable screw cap increases life and reduces waste



### Code & Description

Code	Description	Qty
050998*	Epobar Cartridge (410ml) + 1 Nozzle	1
050995**	Epobar Jumbo Cartridge (825ml) + 1 Nozzle	1

\*Must be ordered in multiples of 20. \*\* Must be ordered in multiples of 6.

### Approvals



### Technical Specifications

High bond strength:	18 N/mm <sup>2</sup>
Resin colour:	Grey

### Substrates



\*Applicable with care





# SPIT EPOBAR

## Rebar

### Cartridge Fixings

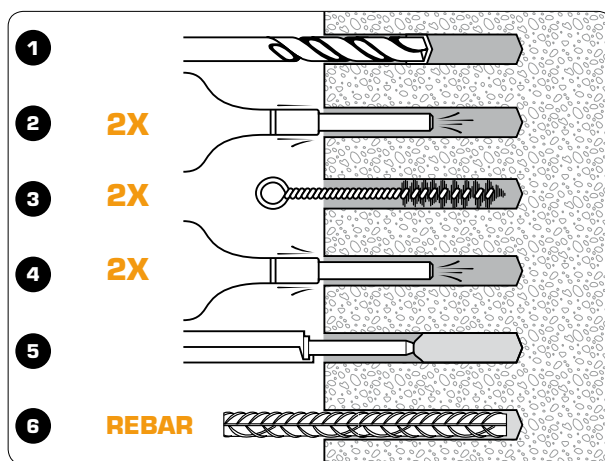
#### NO. FIXINGS PER CARTRIDGE REBAR

Rebar (mm)	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 410ml	No. Fixings 825ml
8	10	100	121	243
		190	64	128
		225	54	108
		322	38	76
10	12	121	82	165
		230	43	87
		282	35	71
		403	25	49
		145	37	75
		280	19	39
12	15	338	16	32
		483	11	22
		169	20	41
14	18	330	10	21
		395	9	17
		564	6	12
16	20	193	16	32
		370	8	16
		451	7	14
		644	5	9
		242	8	16
		470	4	8
20	25	564	3	7
		805	2	5
		302	4	7
25	32	550	2	4
		704	2	3
		1006	1	2
28	35	338	3	6
		600	2	3
		789	1	3
		1127	1	2
		386	2	4
		750	1	2
32	40	901	1	2
		1288	1	1

### Curing Time - Dry Concrete

Temperature	Gel Time	Curing Time
40°C	3 min	50 min
35°C	5 min	1 hr
30°C	6 min	1 hr 5 min
25°C	8 min	1 hr 30 min
20°C	11 min	1 hr 50 min
15°C	15 min	2 hr 30 min
10°C	22 min	3 hr 10 min
5°C	48 min	4 hr 10 min
0°C	2 hr	5 hr 15 min
-5°C	3 hr 20 min	6 hr 40 min

### Installation



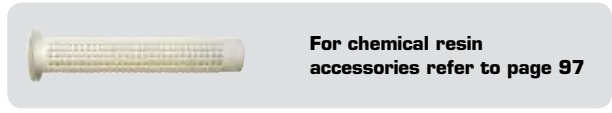
### Accessories

Code	Description	Qty
922750	Manual Injection Tool (380ml - 410ml) - Standard	1
077151	Manual Injection Tool (380ml - 410ml) - Premium	1
063750	Manual Injection Tool (825ml)*	1
050919	Pneumatic Injection Tool (380 - 410ml)*	1
055832	Manual Cleaning Kit + Tool Box	1
050882	Nozzle for Epobar Cartridges	1
995940	Extension Nozzle (290mm Long)	1
065990	Hand Operated Blow Out Pump	1

\*Order to order only



SPIT  
Chemical Anchors



## SPIT EPOMAX Vinylester Resin



High performance vinylester resin suitable for both primary and secondary steel structures. Its fast gel and cure time enables sites to continue working, increasing overall productivity and minimizing unnecessary delays.

### Applications

- Structural steel connections
- Fire escapes
- Balustrades
- Machinery & railings
- Storage silos
- Motorway signs
- Safety barriers
- Reinforcement

### Features and Benefits

- ETA approved Option 7 vinylester resin for chemical resin studs M8 to M30
- ETA approved for fixing post-installed rebar
- Expansion free anchoring system allows low edge and distance spacing
- Suitable for use in diamond drilled holes. No secondary roughing of the smooth hole surface required
- Can be used in dry, wet, flooded holes
- Cures in concrete temperature range from 0°C to 40°C
- Fast gel and cure time in low temperatures ensure minimal site disruption
- Odourless
- Long 16 month shelf life
- Resealable screw cap increases life and reduces waste



### Code & Description

Code	Description	Qty
050883*	Epomax Cartridge (150ml) + 1 Nozzle	1
050885*	Epomax Cartridge (380ml) + 1 Nozzle	1

\*Must be ordered in multiples of 12.

### Approvals

STUD  
ETA OPTION 7  
n° 05/0111

HOLLOW  
SOCOTEC  
n° GX 0070

VOC free  
**A+**  
A+ | A | B | C

REBAR  
ETA TR 023  
n° 08/0201

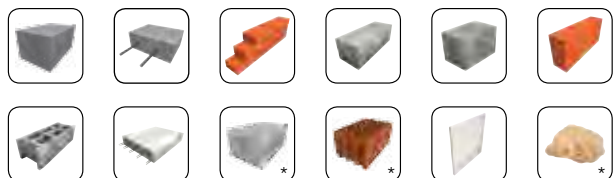
R120 FIRE  
RESISTANCE  
CSTB  
FIRE TESTED

LUC  
APPROVED  
London Underground  
Approved. Refer to  
page 5 & 174

### Technical Specifications

High bond strength:	18 N/mm <sup>2</sup>
Resin colour:	Grey

### Substrates



\*Applicable with care

## SPIT EPOMAX Threaded Studs, Rebar & Sleeves

### Cartridge Fixings

#### NO. FIXINGS PER CARTRIDGE THREADED STUD



Stud	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 150ml	No. Fixings 380ml
M8	10	80	55	140
M10	12	90	40	102
M12	14	110	27	70
M16	18	125	18	47
M20	25	170	4	11
M24	28	210	3	9
M30	35	280	1.5	4

#### NO. FIXINGS PER CARTRIDGE REBAR

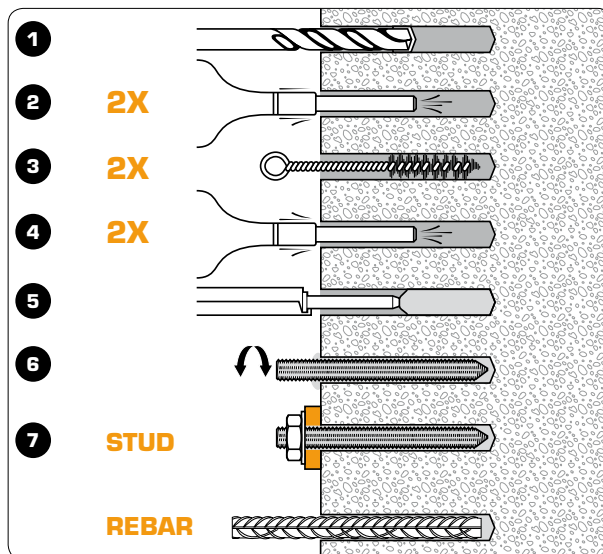


Rebar (mm)	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 380ml
8	10	100	112
		190	59
		225	50
		322	35
10	12	121	76
		230	40
		282	33
		403	23
12	15	145	34
		280	18
		338	15
		483	10
14	18	169	19
		330	10
		395	8
		564	6
16	20	193	15
		370	8
		451	6
		644	4
20	25	242	7
		470	4
		564	3
		805	2
25	32	302	3
		550	2
		704	1
		900	1
28	35	338	3
		650	1
		750	1
		900	1
32	40	386	2
		550	1
		700	1
		900	1

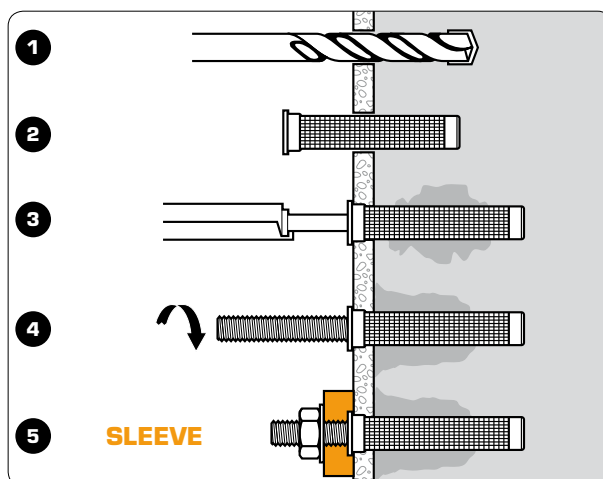
### Curing Time - Dry Concrete

Temperature	Gel Time	Curing Time Dry Concrete	Curing Time Wet Concrete
40°C	1 min	30 min	1 hr
30°C	3 min	35 min	1 hr 10 min
20°C	6 min	40 min	1 hr 20 min
10°C	11 min	1 hr	2 hr
0°C	22 min	3 hr 30 min	7 hr

### Installation - Solid



### Installation - Hollow



### Accessories

Code	Description	Qty
922750	Manual Injection Tool (380ml - 410ml) - Standard	1
077151	Manual Injection Tool (380ml - 410ml) - Premium	1
050882	Nozzle for Epobar Cartridges	1
995940	Extension Nozzle (290mm Long)	1
055832	Manual Cleaning Kit + Tool Box	1
065990	Hand Operated Blow Out Pump	1



For Threaded Studs, Threaded Sockets and Chemical Accessories refer to pages 96 - 97.

## SPIT MULTI-MAX Methacrylate Resin



**Multi-Max is the next generation of advanced chemical resin systems for the construction industry. Its ability to cure quickly within the UK temperature spectrum makes this chemical resin an ideal partner for all trades.**

### Applications

- Steel framed structures
- Machinery
- Pipework brackets
- Post-installed rebar
- Air conditioning ducts
- Signs
- Demountable partitions
- Kitchen furniture
- Scaffolding
- Radiators
- Blinds
- Hand rails
- Ducts

### Features and Benefits

- Triple ETA ensures safe use in a wide variety of critical applications in both solid and hollow substrates
- Approved for chemical resin studs into concrete M8 to M24
- Approved for installation into masonry M8 to M12
- Approved for installation of post-installed rebar 8 to 20mm up to 900mm in depth
- Expansion free anchoring system allows low edge distance and spacing
- Quick mix nozzle ensures optimum chemical mix and prevents any waste
- Cures in substrate temperatures -5°C to 40°C
- Odourless
- Suitable for dry, humid conditions
- Resealable screw cap increases life and reduces waste
- Long 18 month shelf life
- Styrene, Phthalate and Vinyl Toluene free



### Code & Description

Code	Description	Qty
060040*	Multi-Max Cartridge (280ml) + 2 Nozzles	1
060047*	Multi-Max Cartridge (410ml) + 2 Nozzles	1

\*Must be ordered in multiples of 12.

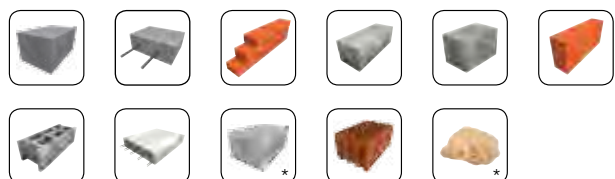
### Approvals

 STUD ETA OPTION 7 n° 13/0435	 REBAR ETA TR 023 n° 13/0436
 MASONRY ETA TR 029 n° 13/0437	 VOLATILE ORGANIC COMPOUND

### Technical Specifications

High bond strength:	18 N/mm <sup>2</sup>
Resin colour:	Grey

### Substrates



\*Applicable with care



**Anchor Calculation Software**  
Available to download or use online:  
[www.SPIT.com/i-expert](http://www.SPIT.com/i-expert)

# SPIT MULTI-MAX

## Threaded Studs, Rebar & Sleeves

### Cartridge Fixings

#### NO. FIXINGS PER CARTRIDGE THREADED STUD



Stud	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 280ml	No. Fixings 410ml
M8	10	80	103	151
M10	12	90	75	110
M12	14	110	52	76
M16	18	125	35	51
M20	25	170	8	12
M24	28	210	7	10

#### NO. FIXINGS PER CARTRIDGE REBAR



Rebar (mm)	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 280ml	No. Fixings 410ml
8	10	170	49	71
		190	43	64
		225	37	54
		322	26	38
10	12	213	32	47
		240	58	41
		282	24	35
12	15	403	17	25
		255	14	21
		290	13	19
		338	11	16
14	18	483	8	11
		298	8	11
		340	7	10
		395	6	9
16	20	564	4	6
		340	6	32
		380	5	8
		451	5	7
20	25	644	3	5
		425	3	5
		490	3	4
		662	2	3
		900	2	2

### Curing Time - Dry Concrete

Temperature	Gel Time	Curing Time
30°C - 40°C	2 min	35 min
20°C - 30°C	4 min	45 min
10°C - 20°C	6 min	1 hr
5°C - 10°C	12 min	1 hr 30 min
0°C - 5°C	18 min	3 hr
-5°C - 0°C	-	6 hr

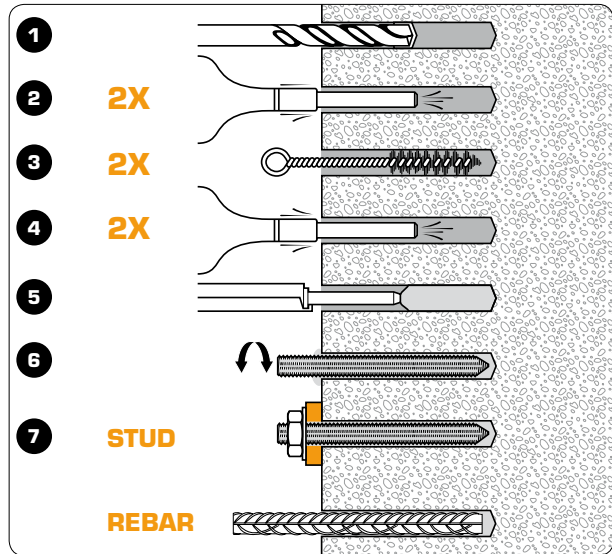


For details of threaded studs and sockets refer to page 96

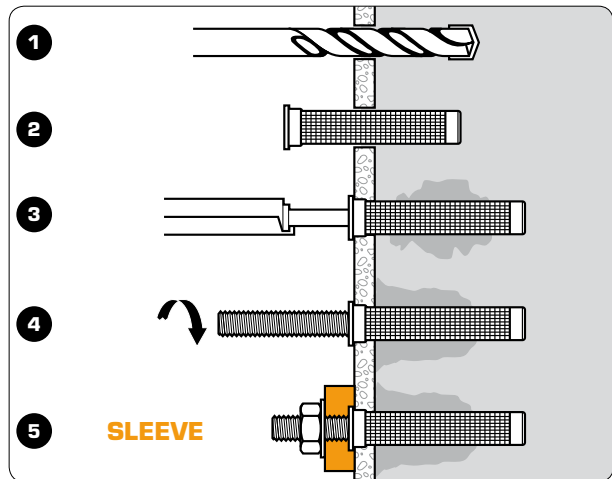


For chemical resin accessories refer to page 97

### Installation - Solid



### Installation - Hollow



### Accessories

Code	Description	Qty
922750	Manual Injection Tool (380ml - 410ml) - Standard	1
077151	Manual Injection Tool (380ml - 410ml) - Premium	1
995940	Extension Nozzle (290mm Long)	1
055832	Manual Cleaning Kit + Tool Box	1
065990	Hand Operated Blow Out Pump	1



## SPIT C-MIX PLUS Polyester Resin



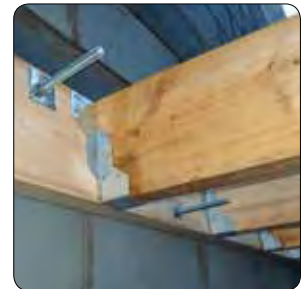
**C-Mix Plus is a styrene free polyester resin suitable for medium performance applications in internal applications only.**

### Applications

- Signs
- Electrical switchboards
- Radiators & boilers
- Air conditioning ducts
- Blinds
- Hand rails
- Demountable partitions
- Kitchen furniture

### Features and Benefits

- Ideal for use with chemical resin studs including hollow substrates
- Expansion free anchoring system allow low edge and distance spacing
- Recommended for M6 - M16 stud applications
- Rapid cure time at ambient temperatures
- Available in both 300ml and 380ml
- 300ml can be used in standard mastic applicator
- 12 month shelf life



### Code & Description

Code	Description	Qty
055866*	C-Mix Plus Cartridge (300ml) + 2 Nozzles	1
055881*	C-Mix Plus Cartridge (380ml) + 2 Nozzles	1

\*Must be ordered in multiples of 12.

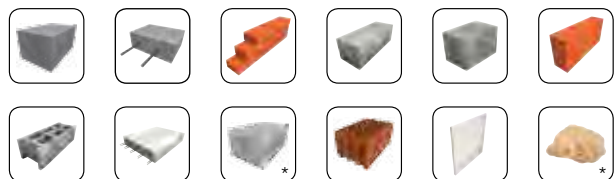
### Approvals



### Technical Specifications

High bond strength:	18 N/mm <sup>2</sup>
Resin colour:	Grey

### Substrates



\*Applicable with care

## SPIT C-MIX PLUS Threaded Studs & Sleeves

### Cartridge Fixings

#### NO. FIXINGS PER CARTRIDGE THREADED STUD

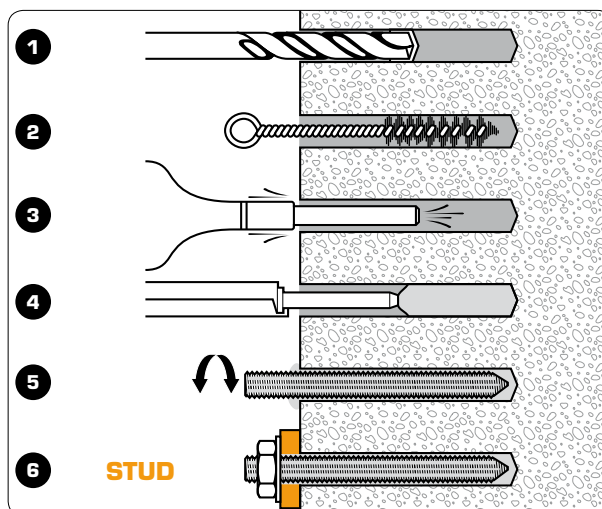


Stud	Drill Ø (mm)	Drill Depth (mm)	No. Fixings 300ml	No. Fixings 380ml
M8	10	110	100	140
M10	12	130	80	102
M12	14	160	55	70
M16	18	190	37	47

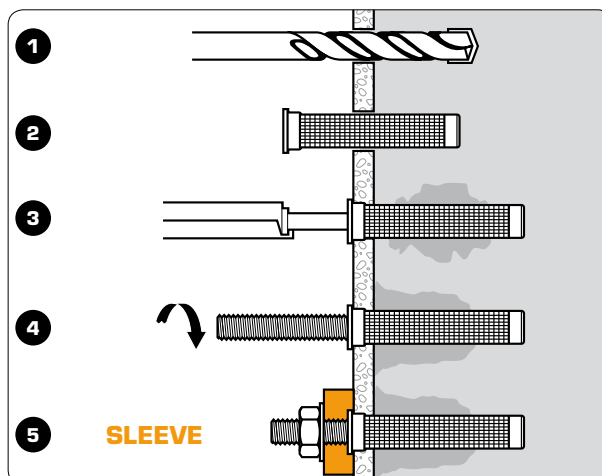
### Curing Time - Dry Concrete

Temperature	Gel Time	Curing Time
30°C	2 min	20 min
20°C	4 min	25 min
10°C	10 min	40 min
5°C	17 min	55 min

### Installation - Solid



### Installation - Hollow



### Accessories

Code	Description	Qty
922750	Manual Injection Tool (380ml - 410ml) - Standard	1
077151	Manual Injection Tool (380ml - 410ml) - Premium	1
050882	Nozzle for C-Mix Plus Cartridges	1
995940	Extension Nozzle (290mm Long)	1
055832	Manual Cleaning Kit + Tool Box	1
065990	Hand Operated Blow Out Pump	1



For details of threaded studs and sockets refer to page 96



For chemical resin accessories refer to page 97



922750



077151



055832



065990



995940



050882

## SPIT MAXIMA

### Methacrylate Spin-in Resin Capsules



**Faster installation than pumping resins, with quartz aggregate mix to ensure maximum bond and no wastage.**

#### Applications

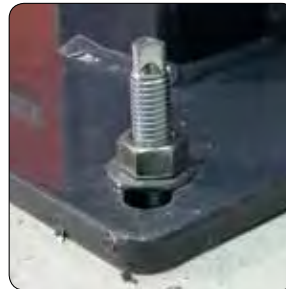
- Structural steel connection
- Brick support
- Curtain walling support
- Machinery
- Heavy duty signs
- Hand rails
- Balustrades

#### Features and Benefits

- More convenient than using a cartridge system
- Styrene free methacrylate resin
- Provides exact measure of resin required for each application
- Reduced anchor spacing and edge distances when compared to expansion anchors
- Ideal for installation in wet or damp conditions
- Vibration resistant
- No waste
- Installer friendly, self contained

#### Curing Time - Dry Concrete

Temperature	Dry Concrete	Wet Concrete
20°C - 30°C	20 min	40 min
10°C - 20°C	30 min	1 hr
0°C - 10°C	1 hr	2 hr
-5°C - 0°C	5 hr	10 hr



#### Approvals



STUD  
ETA OPTION 7  
n° 03/0008 (ZINC)  
n° 03/0009 (ST/ST)



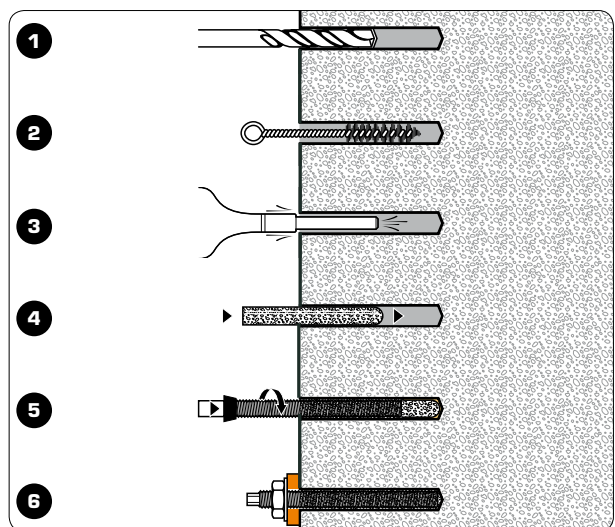
London Underground  
Approved. Refer to  
page 5 & 174

#### Substrates



\*Applicable with care

#### Installation





## SPIT MAXIMA Capsules and Threaded Studs

### MAXIMA CAPSULES



Code	Capsule Ø	Capsule Length (mm)	Hole Ø (mm)	Drill Depth (mm)	Box Qty
051500	M8	80	10	80	10
051510	M10	85	12	90	10
051520	M12	107	14	110	10
051530	M16	107	18	125	10
051540	M20	162	25	170	10
051550	M24	200	28	210	10
051560*	M30	260	35	280	5

\* Order to order only.

### MAXIMA THREADED STUDS - ZINC PLATED MIN. 5µm DOUBLE CHISEL POINT



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Setting Tool Included	Box Qty
655220	M20	260	65	25	No**	10
655240	M24	300	63	28	No**	10
050940	M30	380	70	35	No**	5

Grade 5.8 Carbon Steel.

\*\*Please order Eurocode 151500 - Setting tool for Maxima M20, M24 and M3

### MAXIMA THREADED STUDS - ZINC PLATED MIN. 6µm ROSEHEAD



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Setting Tool Included	Box Qty
050950	M8	110	15	10	Yes	10
050960	M10	130	20	12	Yes	10
050970	M12	160	25	14	Yes	10
050980	M16	190	35	18	Yes	10

Grade 6.8 Carbon Steel.

### MAXIMA THREADED STUDS - STAINLESS STEEL GRADE A4 ROSEHEAD



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Setting Tool Included	Box Qty
052400*	M8	110	15	10	Yes	10
052410	M10	130	20	12	Yes	10
052420	M12	160	25	14	Yes	10
052440	M16	190	35	18	Yes	10
052450	M20	260	65	25	No**	10
052470	M24	300	63	28	No**	10
052490	M30	380	70	35	No**	5

\* Order to order only.

\*\*Please order Eurocode 151500 - Setting tool for Maxima M20, M24 and M30.

### MAXIMA KITS EACH KIT CONTAINS 10 STUDS, 10 CAPSULES & 1 SETTING TOOL



Code	Description	Box Qty
050061	10 x M8 Studs and Maxima Capsules	1
050062	10 x M10 Studs and Maxima Capsules	1
050063	10 x M12 Studs and Maxima Capsules	1
050064	10 x M16 Studs and Maxima Capsules	1

In order for technical values and approvals to be valid, studs with embedment depth mark should be used.

## SPIT Threaded Studs & Sockets For Chemical Resins

### THREADED STUDS - ZINC PLATED MINIMUM 5µm DOUBLE CHISEL POINT



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Min. Hole Depth (mm)	Box Qty
055800	M8	110	15	10	80	10
055801	M10	130	20	12	90	10
055802	M12	160	25	14	110	10
055803	M16	190	35	18	125	10
055804	M20	260	65	25	170	5
655240*	M24	300	63	28	210	10
050940*	M30	380	70	35	280	5

Grade 5.8 Carbon Steel.

\*Maxima Threaded Studs

### THREADED STUDS - STAINLESS STEEL GRADE A4-316 45° CHISEL POINT



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Min. Hole Depth (mm)	Box Qty
920017	M8	110	15	10	80	10
920018	M10	130	20	12	90	10
920019	M12	160	25	14	110	10
920020	M16	190	35	18	125	10
920021	M20	260	65	25	170	10
920022	M24	300	63	28	210	5

### INTERNALLY THREADED SOCKETS - ZINC PLATED MINIMUM 5µm 45° CHISEL POINT



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Min. Hole Depth (mm)	Box Qty
921071*	M8	25	90	14	95	10
921073	M10	30	90	20	95	10
921075	M12	35	90	24	95	10
921077	M16	50	125	28	130	10

Grade 5.8 Carbon Steel.

\*Order to order only.

### INTERNALLY THREADED SOCKETS - STAINLESS STEEL GRADE A2-304 45° CHISEL POINT



Code	Thread Ø	Stud Length (mm)	Max. Fixture Thickness (mm)	Hole Ø (mm)	Min. Hole Depth (mm)	Box Qty
921072	M8	25	90	14	95	10
921074	M10	30	90	20	95	10
921076	M12	35	90	24	95	10
921078*	M16	50	125	28	130	10

\*Order to order only.

### ATP SOCKETS



Code	Material	Internal Thread Ø	Thread Length (mm)	Anchor Length (mm)	Hole Ø (mm)	Min. Hole Depth (mm)	Box Qty
062480	Zinc Plated	M10	25	65	20	70	10
062760	Zinc Plated	M12	30	75	24	75	10
062960	Stainless Steel	M10	25	65	20	70	10
063100	Stainless Steel	M12	30	75	24	75	10

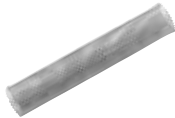
In order for technical values and approvals to be valid, studs with embedment depth mark should be used.

## SPIT Chemical Resin Accessories & Cleaning Accessories



SPIT offers a full range of chemical resin accessories and cleaning accessories.

### PERFORATED SLEEVES FOR HOLLOW BASE MATERIALS AND OVERHEAD APPLICATIONS IN SOLID MATERIALS



Code	Description	To Suit Stud Ø	Box Qty
063400	Perforated Sleeve Ø 12.5mm x 1m	M8 - M10	1
063410	Perforated Sleeve Ø 15mm x 1m	M12	1
063420	Perforated Sleeve Ø 20.5mm x 1m	M16	1
063430	Perforated Sleeve Ø 26mm x 1m	M20	1

### PLASTIC SLEEVES FOR HOLLOW BASE MATERIALS AND OVERHEAD APPLICATIONS IN SOLID MATERIALS



Code	Description	To Suit Stud Ø	Box Qty
565012	Plastic Sleeve Ø 12mm x 45mm	M6 - M8	10
557070	Plastic Sleeve Ø 15mm x 85mm	M8 - M10	10
557080	Plastic Sleeve Ø 15mm x 130mm	M8 - M10	10
557090	Plastic Sleeve Ø 20mm x 85mm	M10 - M12	10

### DOSING PLUG AND NOZZLE EXTENSIONS FOR USE WITH EPCON C8 XTREME, EPOMAX, EPOBAR AND C-MIX PLUS



Code	Description	For Use With	For Rebar Ø (mm)	Box Qty
050969	Dosing Plug	Nozzle Extensions 050971, 063300, 050898	8 - 32+	5
050971	Flexible Nozzle Extension Ø 13mm x 1m	050882 Epomax / Epobar / C Mix Plus 050069 Epcon C8 Nozzle	8 - 32+	10
063300	Rigid Nozzle Extension Ø 9mm x 1m	050882 Epomax / Epobar / C Mix Plus 050069 Epcon C8 Nozzle	8 - 32+	10

### WIRE BRUSHES FOR HOLE CLEANING



Code	Description	Box Qty
052971	Wire Brush Head Ø 11mm x 120mm (requires 'T' Handle)	1
052973	Wire Brush Head Ø 15mm x 120mm (requires 'T' Handle)	1
052974*	Wire Brush Head Ø 20mm x 120mm (requires 'T' Handle)	1
052975*	Wire Brush Head Ø 22mm x 120mm (requires 'T' Handle)	1
052976	Wire Brush Head Ø 26mm x 120mm (requires 'T' Handle)	1
051009	Wire Brush 'T' Handle (for use with all wire brushes)	1
051010	Wire Brush Extension Rod (for use with all wire brushes)	1

\*Order to order only.

### BLOW OUT TOOL FOR HOLE CLEANING



Code	Description	Box Qty
065990	Hand Operated Blow Out Tool	1

### CLEANING KIT - COMPLETE WITH BLOW OUT TOOL AND WIRE BRUSHES FOR HOLE CLEANING



Code	Description	Box Qty
055832	Manual Cleaning Kit and Tool Box	1

## SPIT B1

### Fire Rated Expanding PU Foam



**Multi-use, rapid curing, single component B1 expanding polyurethane foam, fire rated to EN1366 for up to 240 minutes by Warrington Fire Institute. Used in sealing, filling, insulating and providing fire resistance.**

#### Applications

- Sealing of fire doors that require specific approved fire resistance
- Fire and smoke sealing of partition walls and windows

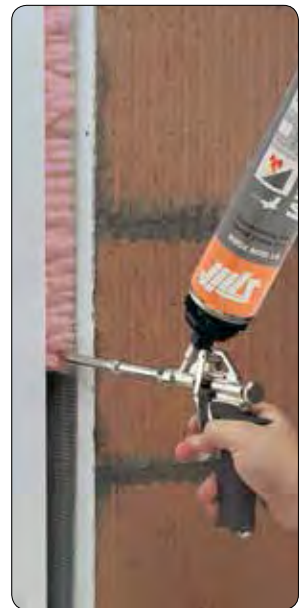
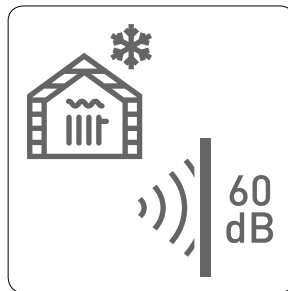
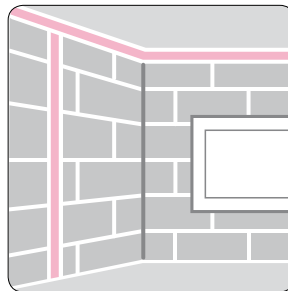
#### Features and Benefits

- For use in sealing, filling, insulating and providing fire resistance up to 240 minutes
- Can be attached to a wide range of construction materials
- Cured product also provides excellent thermal properties
- Mould and moisture resistant - not UV resistant, should be covered by painting or sealing
- High bonding strength
- Resistant to heat and cold (-40°C to +90°C)

#### Technical Specifications

Tack free time:	10 mins at 23°C*
Storage temperature:	10°C - 25°C
Full cure time:	Gun Grade - 45 mins at 23°C Hand Held - 60 mins at 23°C
Foam colour:	Pink

\*3cm bead



#### Code & Description

Code	Description	Volume	Qty
922783*	B1 Fire Rated Expanding Foam (Gun Grade)	750ml	1
922784*	B1 Fire Rated Expanding Foam (Hand Held)	750ml	1

\*Must be ordered in multiples of 12.

#### Approvals



#### Substrates



#### Accessories

Code	Description	Qty
922751	RAMSET Expanding Foam Applicator Tool	1
922820	Foam Cleaner 500ml	1



SPIT Chemical Anchors

## SPIT B3

### Expanding PU Foam



**Multi-use, rapid curing, single component B3 expanding polyurethane foam for use in sealing, filling and insulating.**

#### Applications

- Mounting window and door frames
- Heat insulation of water pipe network, sewerage and central heating
- Fixing and isolation of wall panels, corrugated plates and roof tiles

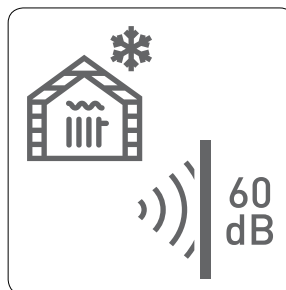
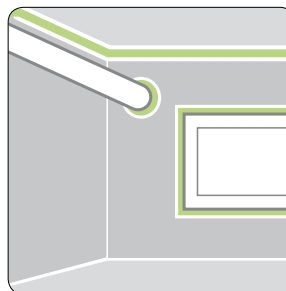
#### Features and Benefits

- For use in sealing, filling and insulating
- Can be attached to a wide range of construction materials
- Cured product also provides excellent thermal and acoustic properties
- Mould proof
- Mould and moisture resistant - not UV resistant, should be covered by painting or sealing
- Resistant to heat and cold (-40°C to +90°C)
- Improved flow - 10% extra yield

#### Technical Specifications

Tack free time:	10 mins at 23°C*
Storage temperature:	10°C - 25°C
Full cure time:	Gun Grade - 45 mins at 23°C Hand Held - 60 mins at 23°C
Foam colour:	Green

\*3cm bead



#### Code & Description

Code	Description	Volume	Qty
922785*	B3 Expanding Foam (Gun Grade)	750ml	1
922786*	B3 Expanding Foam (Hand Held)	750ml	1

\*Must be ordered in multiples of 12.

#### Substrates



#### Accessories

Code	Description	Qty
922751	RAMSET Expanding Foam Applicator Tool	1
922820	Foam Cleaner 500ml	1







## SPIT Mechanical Anchors

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# Mechanical Anchors Selection Guide







- Applicable
- Applicable with care

## HEAVY DUTY ANCHORS

TRIGA Z XTREM		
FIX Z XTREM		
FIX 3		
FIX II		
TIFIX		
GUARDIA		

## LIGHT DUTY ANCHORS

DYNABOLT® PLUS		
LOK®		
RAMBOLT		
GRIP LIP & GRIP		
B-LONG XTREM		
HIT M		
PRO 6		
NYLON FRAME ANCHOR		
NYL		
PLASTIC PLUGS		
ZENTECH HD		
DRIVA®		
HOLLOW WALL ANCHOR		
CC VBA		
UDZ		
VF1		
WIRE HANGER		
ISOMET		
ISO		

							
	ETA	SEISMIC	Concrete	Reinforced Concrete	Solid Brick	Solid Block	
OPTION 1 n° 05/0044	●	●	●	●			
OPTION 1 Zc: n° 15/0388 A4: n° 04/0010	●	●	●	●			
OPTION 7 n° 13/0005			●	●			
			●	●			
			●	●			
OPTION 7 n° 07/0047			●	●			
			●	●	○	●	
			●	●	○	●	
OPTION 8 n° 01/0012			●	●	●		
OPTION 7 n° 05/0053			●	●			
ETAG 020 n° 13/1068	○		●	●	●	●	
OPTION 14 n° 06/0032			●	●	●	●	
			●	●	●	●	
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ETAG 001-6 n° 05/0038			●	●			
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			●	●	●		
			●	●	●		
ETA n° 04/0076			●	●	●		



	Solid Stone	Hollow Brick	Hollow Block	Hollow Slab	Aerated Concrete	Porotherm	Plasterboard	Natural Stone	Steel	<b>PAGE NO.</b>
	○									104
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	○									111
	○									112
	●			○				○		116
	●			○				○		116
	●							○		117
	●			○						118
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# Mechanical Anchors

## NEW SPIT TRIGA Z XTREM High Performance Safety Anchors

CONCRETE

**XTREM**



Triga Z is the specifiers solution for high load, safety critical applications in cracked and non-cracked concrete. Highly approved and engineered torque controlled through bolt that gives you performance and assurance on the biggest projects.

### Applications

- Heavy supports
- Ventilation
- Safety barriers / balustrades
- Crane rails & gantry
- Machine mounting
- Steel columns & wall plates
- Structural & safety critical applications
- Silos

### Features and Benefits

- Highly approved ETA Option 1 anchor for cracked and non-cracked concrete
- M10 to M16 approved for C1 and C2 seismic applications
- Fire rated
- Sleeve marking indicates maximum fixture thickness
- Versatile: Bolt version for aesthetic fixing; Loose Nut version which is adjustable; Countersunk version for flush fixing
- Patented all-steel Z shape collapse system: Ensures clamping pressure and anti-rotation
- Heavy duty, high performance, oversized washer: Prevents deformation during installation



### Approvals



London Underground  
Approved. Refer to  
page 5 & 174



R120 FIRE  
RESISTANCE

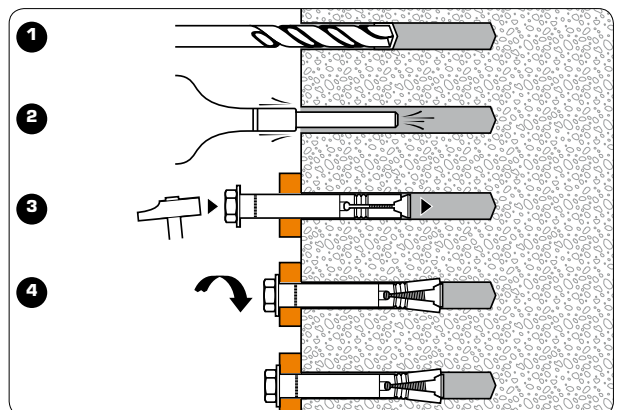


C1/C2 SEISMIC  
RESISTANCE

### Technical Specifications

Bolt:	Class 8.8	<b>ZINC</b>
Stud:	Class 8.8	
Nut:	Class 8	
Zinc Coating:	Min 5µm	

### Installation



### Substrates



\*Applicable with care

## High Performance Safety Anchors

### TRIGA Z XTREM BOLT VERSION (V) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050673*	M6	65	10	5	50	70	100	12	10	15	-	100
050674	M6	80	10	20	50	70	100	12	10	15	-	100
050677**	M8	65	12	1	60	80	120	14	13	25	-	100
050678	M8	80	12	10	60	80	120	14	13	25	-	50
050679	M8	90	12	20	60	80	120	14	13	25	-	50
053001	M8	120	12	50	60	80	120	14	13	25	-	50
050687**	M10	75	15	1	70	90	140	17	17	50	-	25
050688	M10	95	15	10	70	90	140	17	17	50	C1/C2	25
050689	M10	105	15	20	70	90	140	17	17	50	C1/C2	25
053003	M10	140	15	55	70	90	140	17	17	50	C1/C2	25
050696	M12	105	18	10	80	105	160	20	19	80	C1/C2	25
050697	M12	120	18	25	80	105	160	20	19	80	C1/C2	25
053004	M12	150	18	55	80	105	160	20	19	80	C1/C2	25
050704	M16	130	24	10	100	131	200	26	24	120	C1/C2	10
050705	M16	145	24	25	100	131	200	26	24	120	C1/C2	10
050710	M16	170	24	50	100	131	200	26	24	120	C1/C2	10
050711	M20	170	28	25	125	157	250	31	30	200	-	5

\*Order to order only. \*\*Not ETA approved

### TRIGA Z XTREM LOOSE NUT VERSION (E) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050675	M6	117	10	50	50	70	100	12	10	15	-	100
050681	M8	99	12	20	60	80	120	14	13	25	-	100
050683	M8	114	12	35	60	80	120	14	13	25	-	50
050684	M8	134	12	55	60	80	120	14	13	25	-	50
050685	M8	174	12	95	60	80	120	14	13	25	-	50
050691	M10	114	15	20	70	90	140	17	17	50	C1/C2	25
050692*	M10	129	15	35	70	90	140	17	17	50	C1/C2	25
050693	M10	149	15	55	70	90	140	17	17	50	C1/C2	25
050694	M10	194	15	100	70	90	140	17	17	50	C1/C2	25
050698	M12	132	18	25	80	105	160	20	19	80	C1/C2	25
050699	M12	152	18	45	80	105	160	20	19	80	C1/C2	20
050701	M12	172	18	65	80	105	160	20	19	80	C1/C2	10
050702*	M12	207	18	100	80	105	160	20	19	80	C1/C2	20
050706	M16	159	24	25	100	131	200	26	24	120	C1/C2	10
050707	M16	189	24	55	100	131	200	26	24	120	C1/C2	5
050708	M16	234	24	100	100	131	200	26	24	120	C1/C2	5
050712	M20	192	28	25	125	157	250	31	30	200	-	5
050713	M20	227	28	60	125	157	250	31	30	200	-	5
050714	M20	267	28	100	125	157	250	31	30	200	-	5

\*Order to order only.

### TRIGA Z XTREM COUNTERSUNK VERSION (TF) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Embedment Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Across Flats (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
050686	M8	85	12	16	60	80	120	14	8	25	-	50
053002	M8	95	12	26	60	80	120	14	8	25	-	50
050695	M10	105	15	27	70	90	140	17	8	50	C1/C2	25
050715**	M12	130	18	40	80	105	160	20	8	80	-	10

\*\*Not ETA approved

## NEW SPIT FIX Z XTREM Through Bolt Anchors

CONCRETE

**X**  
XTREM



**FIX Z XTREM** through fixing, for speed and efficiency on site. **ETA Option 1** fire and seismic approved, for an assured fix into the most demanding applications in both cracked and non-cracked concrete. Next generation anchor has high load capacity and improved edge & spacing factors.

### Applications

- All steel constructions
- Stadium seating
- Facades
- Heavy pipe containment
- Curtain wall
- Balustrades
- Support bracketry

### Features and Benefits

- ETA Option 1 approved anchor for cracked and non-cracked concrete
- M8 approved for C1 seismic applications
- M10 to M20 approved for C1 and C2 seismic applications
- Anti-rotation expansion sleeve
- Chamfered head protects the threads during installation
- Expansion sleeve and clip optimised for maximum expansion and capacity
- Rolled Thread to increase strength
- Stainless steel expansion sleeve for optimum performance in cracked concrete
- Sleeve with three legs to distribute the expansion stress on the whole cone
- Drill bit required is the same as the anchor diameter



### Approvals



ETA OPTION 1  
ZINC: n° 15/0388  
A4: n° 04/0010



London Underground  
Approved. Refer to  
page 5 & 174



R120 FIRE  
RESISTANCE



C1/C2 SEISMIC  
RESISTANCE

### Substrates

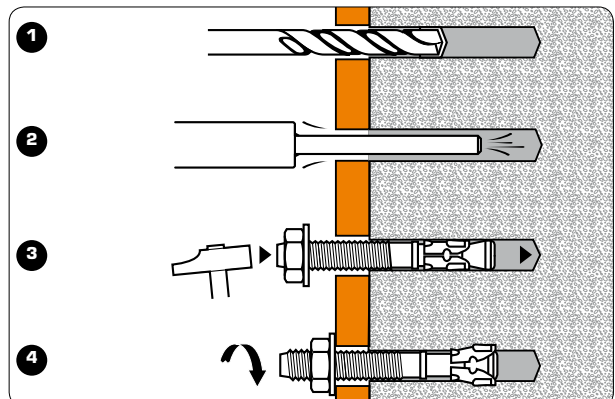


\* Applicable with care

### Technical Specifications

<b>Bolt:</b>	Class 8.8	<b>BZP</b>	Stainless steel A4	<b>S/STEEL</b>
<b>Nut:</b>	Class 6 or 8		Stainless steel A4	
<b>Washer:</b>	NFE 25513		Stainless steel A4	
<b>Zinc Coating:</b>	Min 5µm		-	

### Installation



## Through Bolt Anchors

### FIX Z XTREM - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
057763	M8	65	8	5	60	100	20	C1	100
057764	M8	75	8	15	60	100	20	C1	100
057765	M8	90	8	60	60	100	20	C1	50
057766	M8	120	8	60	60	100	20	C1	50
057788	M8	130	8	80	60	100	20	C1	50
057768	M10	85	10	5	75	120	45	C1/C2	50
057769	M10	90	10	10	75	120	45	C1/C2	50
057770	M10	100	10	20	75	120	45	C1/C2	25
057771	M10	120	10	40	75	120	45	C1/C2	25
057772	M10	140	10	60	75	120	45	C1/C2	25
057773	M10	160	10	80	75	120	45	C1/C2	25
057774	M12	100	12	5	90	140	60	C1/C2	25
057775	M12	105	12	10	90	140	60	C1/C2	25
057776	M12	115	12	20	90	140	60	C1/C2	25
057777	M12	135	12	40	90	140	60	C1/C2	25
057778	M12	155	12	60	90	140	60	C1/C2	25
057779	M12	180	12	85	90	140	60	C1/C2	20
057781	M16	145	16	25	110	170	110	C1/C2	10
057782	M16	170	16	50	110	170	110	C1/C2	10
057783	M16	180	16	60	110	170	110	C1/C2	10
057785	M20	170	20	30	130	200	160	C1/C2	10
057786	M20	200	20	60	130	200	160	C1/C2	10
057787	M20	220	20	80	130	200	160	C1/C2	10

### FIX Z XTREM - LARGE WASHER (LW) - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Seismic	Box Qty
057789	M8	65	8	5	60	100	20	C1	100
057790	M8	130	8	70	60	100	20	C1	25
057791	M10	85	10	5	75	120	45	C1/C2	50
057792	M10	160	10	80	75	120	45	C1/C2	20
057793	M12	180	12	85	90	140	60	C1/C2	15
057794	M16	180	16	60	110	170	110	C1/C2	5
057795	M20	220	20	60	130	200	160	C1/C2	5

### FIX Z - STAINLESS STEEL GRADE A4-316



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness** (mm)	Min Anchor Depth (mm)	Min Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Box Qty
054270*	M6	55	6	5 - 15	25	35	100	10	100
050441	M8	55	8	5	35	52	100	20	100
054610	M8	70	8	7 - 20	35	52	100	20	100
055343	M8	90	8	27 - 40	35	52	100	20	50
050466	M10	65	10	5	42	62	116	35	50
054630	M10	75	10	15	42	62	116	35	50
054640	M10	95	10	20 - 35	42	62	116	35	50
050442	M10	120	10	45 - 60	42	62	116	35	25
055344	M12	80	12	5	50	75	140	50	25
055345	M12	100	12	6 - 25	50	75	140	50	25
055394	M12	115	12	21 - 40	50	75	140	50	25
054680	M12	140	12	46 - 65	50	75	140	50	25
050443	M16	125	16	8 - 30	64	95	172	100	25
054700	M16	150	16	33 - 55	64	95	172	100	10
050444	M16	170	16	53 - 75	64	95	172	100	10

\* Not ETA approved

\*\* Where there are two figures given, the second is maximum fixture thickness in case of deep embedment.

# Mechanical Anchors

## SPIT FIX 3 Heavy Duty Through Bolt Anchors

CONCRETE



**Fast and convenient heavy duty mechanical anchor suitable for a broad range of applications in concrete, either through fixed or pre-fastened. High load capacity, limited only to the concrete cone capacity, plus excellent edge and spacing performance.**

### Applications

- Curtain wall
- Guide rails / railings / machinery
- Industrial doors and gates
- Support angles
- Storage systems / pallet racking
- Stadium seating / fencing posts
- Steel and timber framework

### Features and Benefits

- One of the highest loads of any ETA Option 7 approved anchor, for non-cracked concrete
- Limited only by the strength of concrete used
- Average 20% reduced edge and spacing distance compared to FIX II
- Clear sleeve and head marking offers pre-installation and post-installation guidance
- European manufactured
- Wide range of sizes
- Quick reference guide contained within each box: For ease of installation and DOP download



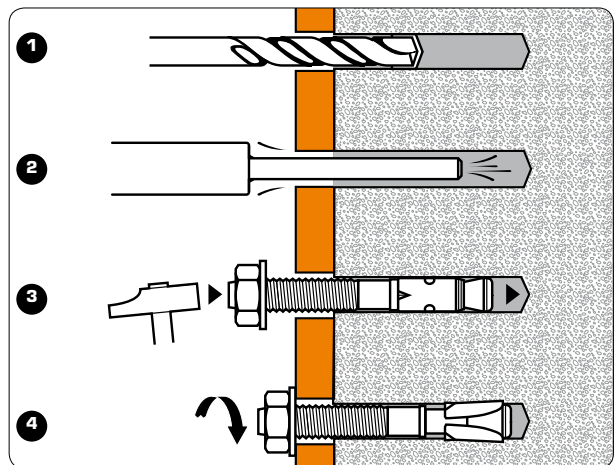
### Approvals



### Technical Specifications

Bolt:	NFA 35-053	<b>ZINC</b>
Washer:	NF E25 513	
Nut:	Class 6 or 8	
Zinc Coating:	Min 5µm	

### Installation



### Substrates



\*Applicable with care

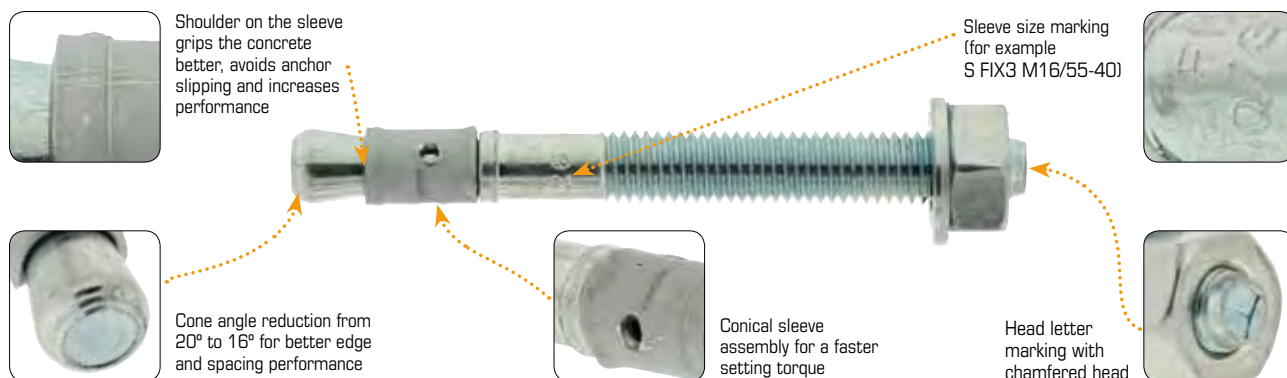
# Heavy Duty Through Bolt Anchors

## FIX 3 - ZINC PLATED



Code	Description	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max. Fixture Thickness (mm)	Min. Anchor Depth (mm)	Drilling Depth (mm)	Min. Thickness of Base Material (mm)	Max. Tightening Torque (Nm)	Box Qty
050510*	FIX3 M6 x 45/0-5	M6	45	6	5	26	41	100	10	100
050520*	FIX3 M6 x 55/10-20	M6	55	6	20	26	41	100	10	100
050530*	FIX3 M6 x 85/40-50	M6	85	6	50	26	41	100	10	100
057450	FIX3 M8 x 55/0-5	M8	55	8	5	30	50	80	15	100
057451	FIX3 M8 X 70/10-20	M8	70	8	20	30	50	80	15	100
057452	FIX3 M8 X 90/30-40	M8	90	8	40	30	50	80	15	50
057453	FIX3 M8 X 100/40-50	M8	100	8	50	30	50	80	15	50
057454	FIX3 M8 X 115/55-65	M8	115	8	65	30	50	80	15	50
057455	FIX3 M8 X 130/70-80	M8	130	8	80	30	50	80	15	50
057456	FIX3 M8 X 160/100-110	M8	160	8	110	30	50	80	15	50
057460	FIX3 M10 X 65/0-5	M10	65	10	5	40	60	100	30	50
057461	FIX3 M10 X 75/5-15	M10	75	10	15	40	60	100	30	50
057462	FIX3 M10 X 85/15-25	M10	85	10	25	40	60	100	30	50
057463	FIX3 M10 X 95/26-36	M10	95	10	36	40	60	100	30	50
057464	FIX3 M10 X 110/40-50	M10	110	10	50	40	60	100	30	25
057465	FIX3 M10 X 125/55-65	M10	125	10	65	40	60	100	30	25
057466	FIX3 M10 X 140/70-80	M10	140	10	80	40	60	100	30	25
057467	FIX3 M10 X 160/90-100	M10	160	10	100	40	60	100	30	25
057470	FIX3 M12 X 80/0-5	M12	80	12	5	50	75	130	50	25
057471	FIX3 M12 X 100/10-25	M12	100	12	25	50	75	130	50	25
057472	FIX3 M12 X 115/25-40	M12	115	12	40	50	75	130	50	25
057473	FIX3 M12 X 125/35-50	M12	125	12	50	50	75	130	50	25
057474	FIX3 M12 X 140/50-65	M12	140	12	65	50	75	130	50	25
057475	FIX3 M12 X 160/70-85	M12	160	12	85	50	75	130	50	25
057476	FIX3 M12 X 180/90-105	M12	180	12	105	50	75	130	50	25
057477	FIX3 M12 X 220/130-145	M12	220	12	145	50	75	130	50	20
057478*	FIX3 M12 X 290/200-215	M12	290	12	215	50	75	130	50	10
057480	FIX3 M16 X 100/0-5	M16	100	16	5	65	95	160	100	20
057481	FIX3 M16 X 125/15-30	M16	125	16	30	65	95	160	100	20
057482	FIX3 M16 X 150/40-55	M16	150	16	55	65	95	160	100	10
057483	FIX3 M16 X 170/60-75	M16	170	16	75	65	95	160	100	10
057484	FIX3 M16 X 185/75-90	M16	185	16	90	65	95	160	100	10
057485*	FIX3 M16 X 235/125-140	M16	235	16	140	65	95	160	100	10
057486*	FIX3 M16 X 300/178-200	M16	300	16	205	65	95	160	100	10
057490	FIX3 M20 X 125/0-10	M20	125	20	10	75	110	200	160	10
057491	FIX3 M20 X 165/25-50	M20	165	20	50	75	110	200	160	10
057492	FIX3 M20 X 220/80-105	M20	220	20	105	75	110	200	160	10

\*Not ETA approved



# Mechanical Anchors

## SPIT FIX II

### Through Bolt Anchors

CONCRETE



#### Substrates



\*Applicable with care

**Torque controlled mechanical through fixing, for speed and efficiency on site.**

#### Applications

- Curtain wall
- Guide rails / railings / machinery
- Industrial doors and gates
- Storage systems
- Stadium seating / fencing posts
- Steel and timber framework

#### Features and Benefits

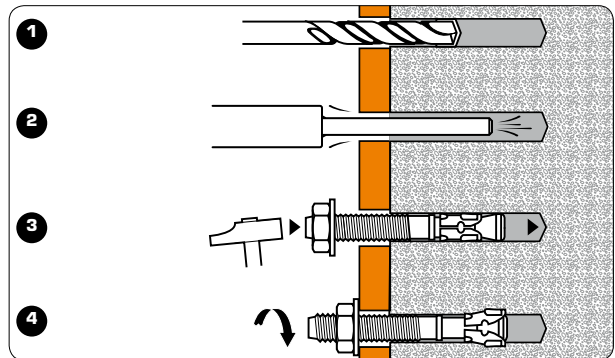
- Hot dipped galvanised for increased corrosion resistance
- Drill bit required is same as anchor diameter
- Chamfered head protects the thread during installation
- Rolled thread to increase strength
- Sleeve with three legs to distribute the expansion stress on the whole cone
- Six lugs to avoid sleeve rotation during tightening

#### Technical Specifications

Material: Steel hot dipped galvanised 45µm

HDGV

#### Installation



## Through Bolt Anchors

### FIX II - HOT DIPPED GALVANISED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Anchor Depth (mm)	Drilling Depth (mm)	Min Thickness of Base Material (mm)	Max Tightening Torque (Nm)	Box Qty
050310	M8	70	8	20	35	52	100	15	100
050320	M8	90	8	40	35	52	100	15	50
050330	M8	130	8	80	35	52	100	15	50
050350	M10	75	10	15	42	62	100	30	50
050360	M10	95	10	35	42	62	100	30	50
050340	M10	120	10	60	42	62	100	30	25
050370	M10	140	10	80	42	62	100	30	25
055352	M12	100	12	25	50	75	100	50	25
050400	M12	140	12	65	50	75	100	50	25
050410	M12	180	12	105	50	75	100	50	25
050440	M16	125	16	30	64	95	128	100	25
050450	M16	170	16	75	64	95	128	100	10



## SPIT TIFIX

### Through Bolt Anchors

CONCRETE



**Torque controlled heavy duty anchor suitable for use in non-cracked concrete C20/25.**

#### Applications

- General use through bolt suitable for medium duty applications



#### Substrates



#### Installation

See installation for SPIT FIX II

\*Applicable with care

#### Technical Specifications

Material: NFA 35-053 steel, white zinc plated

ZINC

#### Features and Benefits

- Anti-rotation expansion sleeve
- Drill bit required is same as anchor diameter
- Chamfered head protects the threads during installation

## Through Bolt Anchors

### TIFIX - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Anchor Depth (mm)	Drilling Depth (mm)	Max Tightening Torque (Nm)	Box Qty
055462	M8	70	8	7	48	65	15	100
055463	M8	90	8	27	48	65	15	50
055464	M8	110	8	47	48	65	15	50
055465	M8	130	8	67	48	65	15	50
055468	M10	75	10	5	52	72	30	50
055469	M10	96	10	26	52	72	30	50
055471	M10	120	10	50	52	72	30	25
055472	M10	140	10	70	52	72	30	25
055481	M12	80	12	-	68	93	50	25
055482	M12	100	12	8	68	93	50	25
055483	M12	115	12	23	68	93	50	25
055484	M12	140	12	48	68	93	50	25
055485	M12	160	12	68	68	93	50	25
057577	M12	180	12	88	68	93	50	25
055487	M12	220	12	128	68	93	50	50
055491	M14	120	14	12	75	90	90	25
055492	M14	145	14	37	75	90	90	25
055501	M16	100	16	-	86	117	100	25
055502	M16	125	16	8	86	117	100	25
055503	M16	150	16	33	86	117	100	10
055504	M16	170	16	53	86	117	100	10
055505	M16	220	16	103	86	117	100	25
055506	M20	170	20	35	100	136	160	20
055507	M20	220	20	85	100	136	160	20

# Mechanical Anchors

## SPIT GUARDIA Safety Barrier Anchors

CONCRETE



**Specially developed for fixing safety barriers and hand rails. Exceptional close edge and spacing performance. Easy to install, providing superior performance to traditional stud anchors. Guardia gives the same flexibility as chemical resin as well as great aesthetics, without all the hassle and delay.**

### Applications

- Safety barriers
- Handrails
- Balustrades

### Features and Benefits

- ETA Option 7 approved anchor for non-cracked concrete
- Can be installed close to edges as close as 50mm from the edge
- Removable: Can be unscrewed, adjusted and re-installed
- Security stop mark to better align and level the position of the posts; it is possible to unscrew the anchor by 10mm. The security stop mark indicates how far you can unscrew the anchor without it coming loose in the concrete
- Profiled grooves: Increase tensile performance
- Wide washer ensures no deformation during installation
- Forged bolt head: Domed for an aesthetic finish
- Ring adjustment system: Ensures fixture is clamped to the substrate
- Anti-rotation projections: Prevents the cone from rotating during expansion



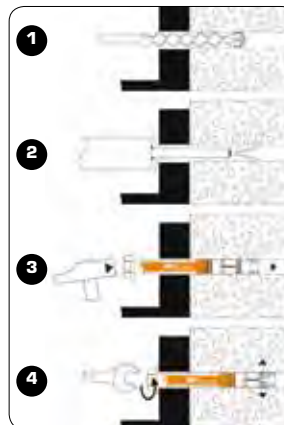
### Approvals



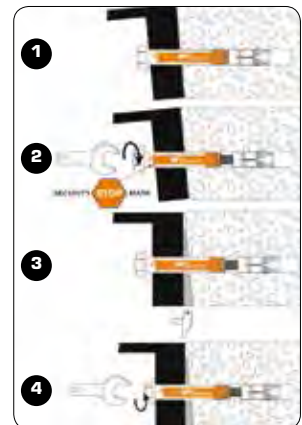
### Technical Specifications

<b>Bolt:</b>	NF EN 10263-2	<b>ZINC PLATED</b>	Stainless steel A4	<b>S / STEEL A4</b>
<b>Cone:</b>	NF A 35-557		Stainless steel A4	
<b>Sleeve:</b>	NF EN 10087		Stainless steel A4	
<b>Washer:</b>	NF E 25 514		Stainless steel A4	
<b>Collapse ring:</b>	Polyacetal		Polyacetal	
<b>Zinc Coating:</b>	Min 5µm		-	

### Installation



### Rail Alignment



### Substrates



\*Applicable with care

## Safety Barrier Anchors

### GUARDIA - ZINC PLATED



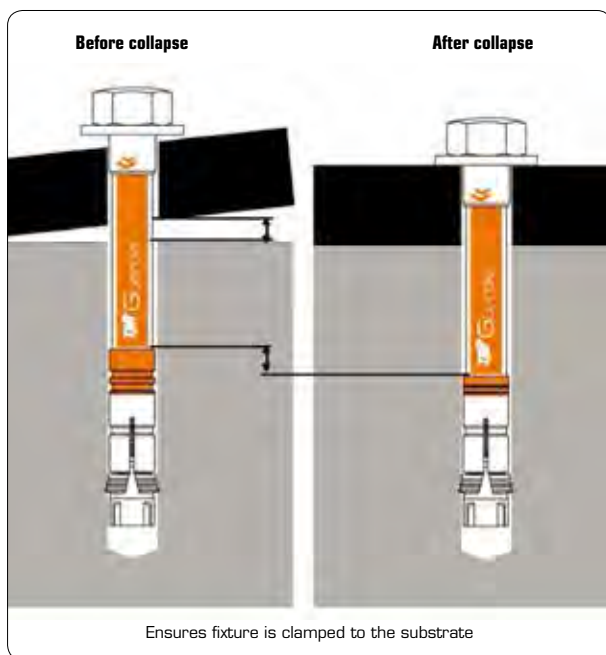
Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Anchor Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Socket Wrench (mm)	Max Tightening Torque (Nm)	Box Qty
051061	M8	104	12	20	70	95	150	14	16	35	20

### GUARDIA - STAINLESS STEEL A4

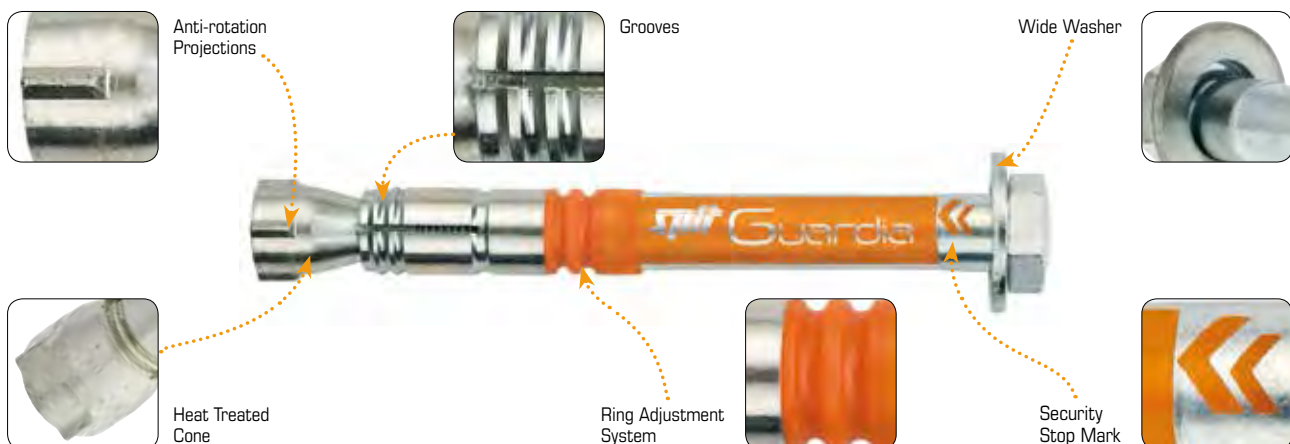
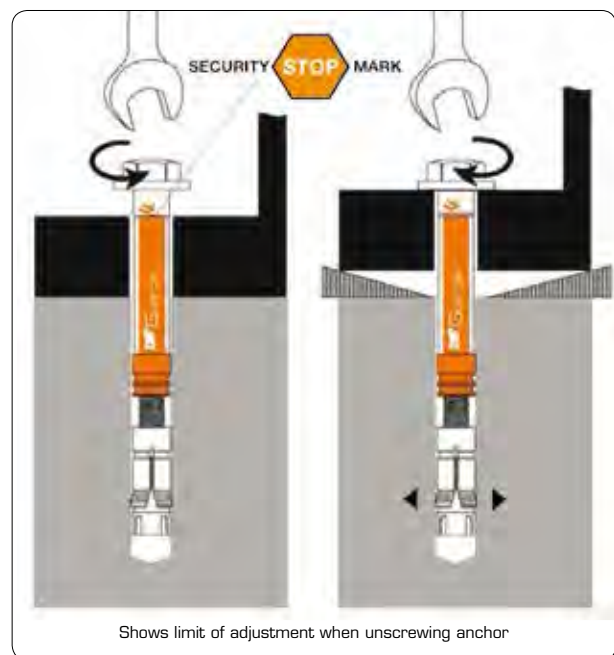


Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Anchor Depth (mm)	Drilling Depth (mm)	Minimum Thickness of Base Material (mm)	Clearance Hole Ø (mm)	Socket Wrench (mm)	Max Tightening Torque (Nm)	Box Qty
055304	M8	110	12	20	70	100	150	14	16	25	20

#### Ring Adjustment



#### Security Stop Mark





# CLEAR CHOICE



**FIXING SELECTION MADE SIMPLE**

SPIT  
Mechanical Anchors

The NEW **SPIT CLEAR CHOICE** boxes are designed to make life easier, both for the distributor and the end user.  
For the distributor it offers a much improved display option.  
For the end user it improves the buying experience with a fully detailed labelling system.



# What's New?



## 1. PACKAGING

- Uniform design - 2 standard box heights
- All boxes the same width
- 10 boxes on every shelf

### CLEAR CHOICE Window

- Choose the correct fixing with confidence
- Eliminates split boxes
- Reduces theft risk
- Product comparison

### Impact Resistant

- Micro flute corrugated cardboard for greater robustness

## 2. LABELLING

- New label guideline
- Colour code segmentation, co-ordinated with merchandising
- Simplification and standardization of product descriptions

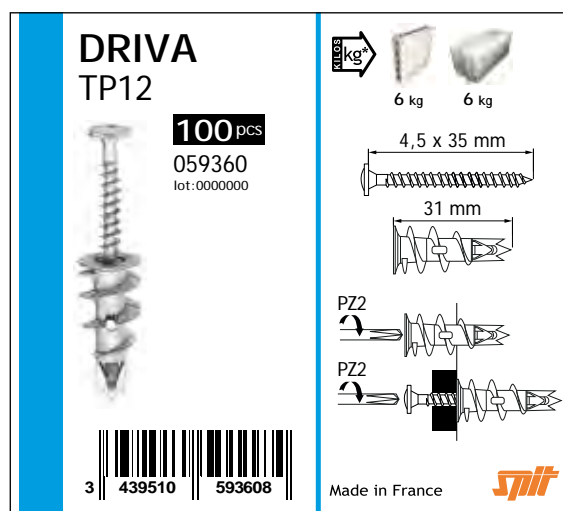
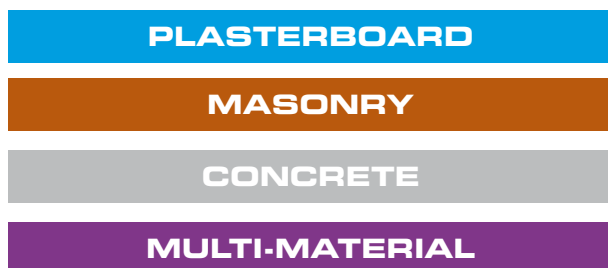
### Self Explanatory

- Loadings
- Setting instructions
- Simplified description



### Structured

- 4 colours, representing the recommended substrate



SPIT Mechanical Anchors



# Mechanical Anchors

## SPIT DYNABOLT® PLUS & LOK® Sleeve Anchors

CONCRETE

Dynabolt® Plus Hex Bolt



SPIT LOK® Hex Nut

Sleeve anchors that twist, shortens and pulls down to fix securely.

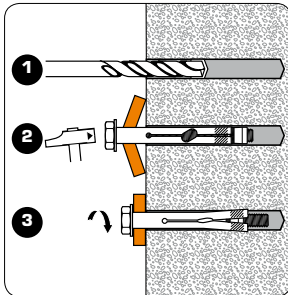
### Applications

- Signs
- Handrails
- Gates
- Aerials
- Shelving
- Pipe work
- Fencing
- Porches

### Features and Benefits

- Through fixing eliminates the need to mark out and reposition
- Fully assembled
- Unique sleeve design: Collapses during tightening to provide clamping of the fixture
- Integrated nut and washer
- Finished head anchors: Bolt can be easily removed

### Installation



Remove debris from hole by blowing with compressed air or hand held blow out pump.

### Specifications

<b>Bolt:</b>	Class 6.8
<b>Sleeve:</b>	Metal
<b>Cone:</b>	Class 6.8
<b>Washer:</b>	DIN 9021
<b>Zinc Coating:</b>	Min 5µm

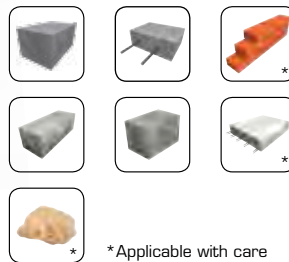
DYNABOLT

<b>Washed Nut:</b>	Class 8.8
<b>Sleeve:</b>	Metal
<b>Stud:</b>	Class 5.8
<b>Cone:</b>	Class 5.8
<b>Zinc Coating:</b>	Min 5µm

SPIT LOK



### Substrates



\*Applicable with care

### Bag Packaging

Available in smaller quantities. Refer to page 138.

## Sleeve Anchors

### DYNABOLT® PLUS HEX BOLT - ZINC COBALT PLATED (300 hours salt spray tested)



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Hole Depth (mm)	Max Tightening Torque (Nm)	Box Qty
050252	M6	45	8	8	45	9	100
050253	M6	70	8	30	45	9	50
050254	M6	95	8	56	45	9	50
050255	M8	55	10	8	50	20	50
050256	M8	80	10	35	50	20	25
050257	M8	105	10	62	50	20	25
050258	M10	59	12	12	55	40	25
050259	M10	75	12	18	65	40	25
050260	M10	105	12	46	65	40	20
050262	M12	110	16	49	65	70	10

### SPIT LOK® HEX NUT - WHITE ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Hole Depth (mm)	Max Tightening Torque (Nm)	Box Qty
922754	M6	40	8	5	29	7	100
922755	M6	65	8	30	29	7	50
922757	M8	50	10	10	34	15	50
922758	M8	77	10	37	34	15	50
922759	M8	97	10	57	34	15	25
922760	M10	75	12	25	44	30	25
922761	M10	99	12	49	44	30	20
922762	M10	129	12	79	44	30	20
922763	M12	65	16	10	46	50	20
922764	M12	111	16	56	46	50	10
922765	M12	147	16	92	46	50	10

## SPIT RAMBOLT Shield Anchors

CONCRETE



Rambolt torque controlled expansion anchors offer high levels of expansion to produce exceptional grip.

### Applications

#### LOOSE BOLT:

- Racking & storage
- Cable tray trunking
- Pipework switch gear
- Ventilation ducts
- Mechanical & electrical services
- Wall plates

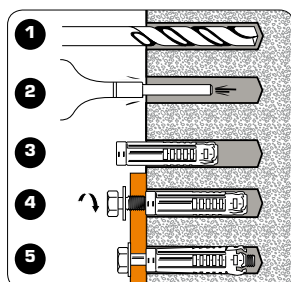
#### PROJECTING BOLT:

- Brackets
- Wall plates
- Chains
- Scaffolding: hosts, eyes, guy ropes
- Lighting supports

### Features and Benefits

- Quick expansion by simply tightening the bolt
- Versatile: Loose bolt and projecting bolt versions available in boxes, eyebolt version available in bags
- Fixes a wide variety of material thicknesses
- High performance: Full area contact in substrate hole

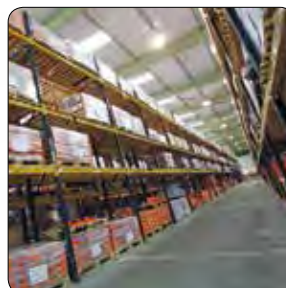
### Installation



### Specifications

**Bolt:** Class 8.8  
**Nut:** Class 8.8  
**Zinc Coating:** Min 5µm

ZINC



### Approvals

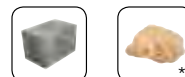


### Substrates



### Bag Packaging

Refer to page 138.



\*Applicable with care  
\*\*Suitable up to 12mm

## Shield Anchors

### RAMBOLT PROJECTING BOLT - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Hole Depth (mm)	Max Tightening Torque (Nm)	Box Qty
921034	M6	62	10	15	45	10	50
921035	M6	77	10	30	45	10	50
921037	M8	78	14	20	55	25	50
921038	M8	103	14	45	55	25	50
921039	M8	143	14	85	55	25	25
921041	M10	104	16	30	65	50	25
921042	M10	124	16	50	65	50	25
921043	M10	144	16	70	65	50	10
921045	M12	115	20	20	85	85	10
921046	M12	125	20	30	85	85	10
921047	M12	145	20	50	85	85	10
921048	M12	160	20	65	85	85	10
921049	M16*	145	25	25	105	120	10

### RAMBOLT LOOSE BOLT - ZINC PLATED



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Hole Depth (mm)	Max Tightening Torque (Nm)	Box Qty
921017	M6	60	10	15	45	10	50
921018	M6	80	10	35	45	10	50
921021	M8	83	14	25	55	25	50
921022	M8	103	14	35	55	25	50
921023	M10	86	16	15	65	50	25
921024	M10	106	16	35	65	50	25
921025	M10	126	16	55	65	50	25
921026	M10	156	16	85	65	50	25
921027	M12	115	20	20	85	85	25
921029	M12	145	20	50	85	85	25
921030	M12	165	20	70	85	85	10
921032*	M16	148	25	30	105	120	10
921033*	M16	178	25	60	105	120	10

\*Not ETA approved

# Mechanical Anchors

## SPIT GRIP LIP & GRIP Drop-in Anchors

CONCRETE



A broad range of internally threaded anchors for bolts and threaded rods.

### Applications

- Mechanical and electrical services
- Cable trays
- Pipe work
- Ventilation ducts
- Suspended ceilings
- Handrails
- Cable management

### Features and Benefits

#### SPIT GRIP LIP:

- Retainer Lip keeps the anchor flush with the surface, not dependent on hole depth
- Lip allows installation into hollow materials (hollow precast)
- Cone insert: Expands the anchor when driven with setting tool and hammer
- Reduced diameter for easier setting
- M10 x 30 available for shallow embedment to avoid contact with rebar
- Internal thread has a modified expansion angle, making expansion in hard materials easier and more effective



### Approvals



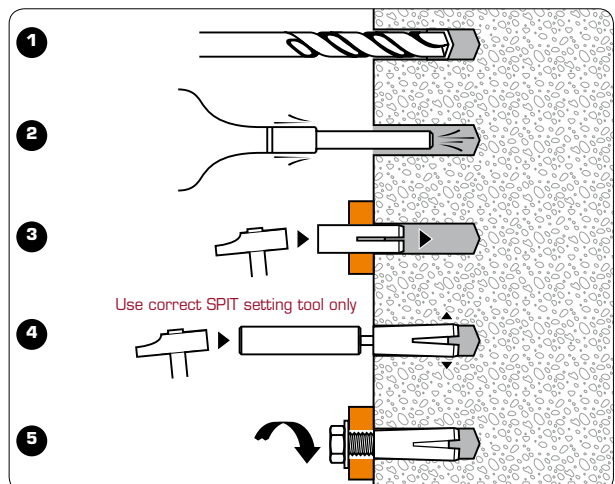
### Substrates



### Technical Specifications

<b>Body:</b>	Steel	<b>GRIP LIP</b>	Stainless steel A4	<b>GRIP A4</b>
<b>Zinc Coating:</b>	Min 5µm		-	

### Installation





## Drop-in Anchors

### GRIP LIP - ZINC PLATED

Code	Thread Ø	Drill Ø (mm)	Overall Anchor Length (mm)	Thread Length (mm)	Drilling Depth (mm)	Max Tightening Torque (Nm)	Box Qty
050789	M6	8	30	13	32	5	100
050790	M8	10	30	13	32	10	100
050799	M10	12	30	11	33	22	100
050791	M10	12	40	15	43	22	100
050792	M12	15	50	21	54	36	50
050793	M16	20	65	28	70	80	20

#### ST-M Manual Setting Tool



050922	M6 x 30mm
050923	M8 x 30mm
051015	M10 x 30mm
050924	M10 x 40mm
050925	M12 x 50mm
050926	M16 x 65mm

#### ST-RH Rotary Hammer Setting Tool



050928	M6 x 30mm
050929	M8 x 30mm
-	-
050930	M10 x 40mm
050931	M12 x 50mm
-	-



### GRIP - ZINC PLATED

Code	Thread Ø	Drill Ø (mm)	Overall Anchor Length (mm)	Thread Length (mm)	Drilling Depth (mm)	Max Tightening Torque (Nm)	Box Qty
062010	M6	8	30	13	32	5	100
062020	M8	10	30	13	32	10	100
062330	M10	12	40	15	42	22	100
062390	M12	15	50	21	53	36	50
062470	M16	20	65	28	70	80	20

#### ST-M Manual Setting Tool



050922	M6 x 30mm
050923	M8 x 30mm
050924	M10 x 40mm
050925	M12 x 50mm
050926	M16 x 65mm

#### ST-RH Rotary Hammer Setting Tool



050928	M6 x 30mm
050929	M8 x 30mm
050930	M10 x 40mm
050931	M12 x 50mm
-	-



### GRIP - STAINLESS STEEL A4-316

Code	Thread Ø	Drill Ø (mm)	Overall Anchor Length (mm)	Thread Length (mm)	Drilling Depth (mm)	Max Tightening Torque (Nm)	Box Qty
062240*	M6	8	30	13	32	5	100
062250	M8	10	30	13	32	10	100
062260	M10	12	40	15	42	22	100
062270	M12	15	50	21	53	36	50
062280	M16	20	65	28	70	80	25

#### Stainless Steel Setting Tool



050214	M6 x 30mm
050215	M8 x 30mm
050216	M10 x 40mm
050217	M12 x 50mm
050218	M16 x 65mm



\*Order to order only.

# Mechanical Anchors

## NEW SPIT B-LONG XTREM Frame Anchors

MULTI-MATERIAL



High Performance, versatile frame anchor for use in multiple base materials. Variable embedment and unique collapse collar ensures the perfect fix in the vastest range of materials.

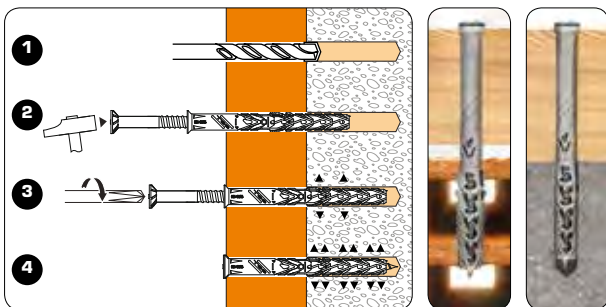
### Applications

- Façade and cladding
- Window and door frames
- Fixing timber battens
- Timber frame structures
- Roofing insulation
- Railings and gates

### Features and Benefits

- European Technical Approval for use in concrete and masonry for non-structural applications
- Shorter embedment depth: Only 40mm required into concrete, reducing installation time
- Shorter drill depth reducing operator fatigue and installation time
- Versatile: Can take fixture thickness of up to 250mm across a wide range of applications
- Exceedingly high performance
- Fire resistant: 90 minute fire rating
- Longest frame anchor available

### Installation



### Approvals



ETAG 020  
ETA 13/1068

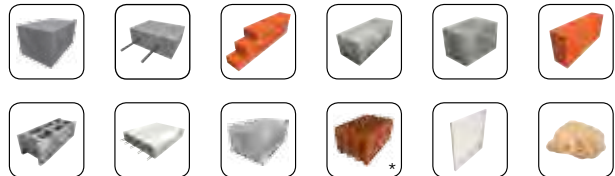


R90 FIRE  
RESISTANCE



SEISMIC  
RESISTANCE

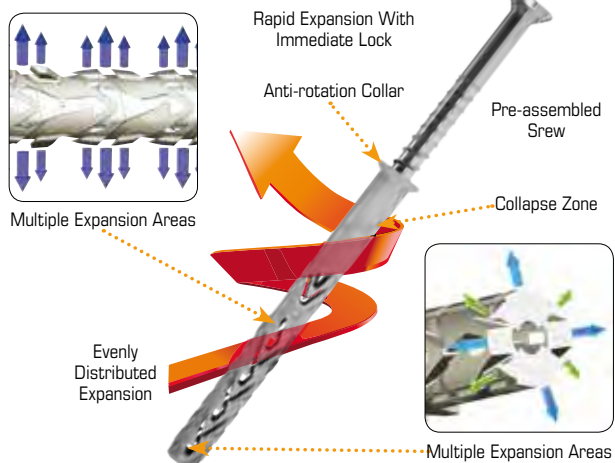
### Substrates



\* Applicable with care

### Technical Specifications

Sleeve:	Polyamide 6	ZINC	Polyamide 6	S/STEEL
Screw:	Class 6.8		Stainless steel A4	
Zinc Coating:	5µm		-	



## Frame Anchors

### B-LONG XTREM HEX HEAD - ZINC PLATED



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567969	10	13mm Hex	60	10	40	50	70	50
567970	10	13mm Hex	80	30	40	50	70	50
567971	10	13mm Hex	100	50	40	50	70	50
567972*	10	13mm Hex	120	70	40	50	70	50

\*Not part of the XTREM range. [1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

### B-LONG XTREM HEX HEAD - STAINLESS STEEL A4



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567986	10	13mm Hex	60	10	40	50	70	50
567987	10	13mm Hex	80	30	40	50	70	50
567988	10	13mm Hex	100	50	40	50	70	50

[1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

### B-LONG COUNTERSUNK - ZINC PLATED



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567950	8	TX30	60	10	50	50	50	50
567951	8	TX30	80	30	50	50	50	50
567952	8	TX30	100	50	50	50	50	50
567953	8	TX30	120	70	50	50	50	50
567954	8	TX30	150	100	50	50	50	50
567957	10	TX40	80	30	40	50	70	50
567958	10	TX40	100	50	40	50	70	50
567959	10	TX40	120	70	40	50	70	50
567960	10	TX40	140	90	40	50	70	50
567961	10	TX40	160	110	40	50	70	50
567962	10	TX40	180	130	40	50	70	50
567963	10	TX40	200	150	40	50	70	50
567964	10	TX40	230	180	40	50	70	50
567965	10	TX40	260	210	40	50	70	50
567966	10	TX40	280	230	40	50	70	50
567967	10	TX40	300	250	40	50	70	50

[1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

### B-LONG COUNTERSUNK - STAINLESS STEEL A4



Code	Anchor Ø (mm)	Head Type	Length (mm)	Max Fixture Thickness (mm)	Embedment Depth [1] (mm)	Embedment Depth [2] (mm)	Embedment Depth [3] (mm)	Box Qty
567942	8	TX30	80	30	50	50	50	50
567943	8	TX30	100	50	50	50	50	50
567981	10	TX40	80	30	40	50	70	50
567982	10	TX40	100	50	40	50	70	50

[1] Cat.A Concrete [2] Cat.B Solid Masonry & Cat.C Hollow Masonry [3] Cat.D Aerated Concrete

### Accessories

Code	Description	Pack Qty
922827*	TX30 Bits for Ø8 Countersunk B-LONG	10
922828*	TX40 Bits for Ø10 Countersunk B-LONG	10

\*Each pack includes a magnetic bit holder



# Mechanical Anchors

## SPIT HIT M Hammer Screw Anchors

**MULTI-MATERIAL**



The only hammer screw anchor designed for fixing into both solid and hollow substrates. Pre-expansion design guarantees correct installation.

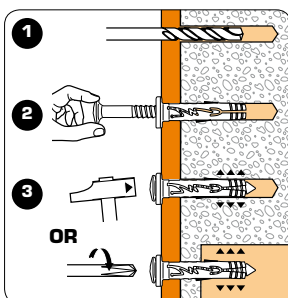
### Applications

- Drywall track and brackets
- Electrical installations
- Insulation supports
- Battens / sole plates
- Conduit clips
- Trunking
- Computer floor pedestals
- Brackets
- Metal frames
- Collars

### Features and Benefits

- European Technical Approval for use in concrete and masonry for non-structural applications
- Polyamide 6 nylon body suitable for temperatures from -20°C to +60°C
- "M" slot design allows rapid and secure expansion giving maximum grip to the substrate
- Durable: Resistant to extreme temperature and environmental conditions
- Versatile for both solid and hollow substrates
- Through fixing offers fast installation

### Installation



### Specifications

Sleeve: Polyamide 6

Screw: Zinc plated 5µm

Sleeve: Polyamide 6

Screw: Stainless steel A2

ZINC

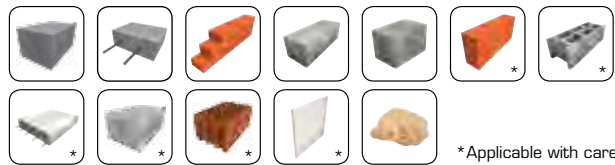
S/STEEL

### Bag Packaging

Refer to page 137.



### Substrates



\*Applicable with care

### Approvals



London Underground Approved. Refer to page 5 & 174

### HIT M - ZINC PLATED DRIVE SCREW, FLANGED SLEEVE (P)



Code	Description	Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thick (mm)	Min Anchor Depth (mm)	Effective Embed (mm)	Box Qty
050116	5 x 27 P	27	5	5	30	20	200
050117	5 x 37 P	37	5	15	30	20	200
050118	6 x 32 P	32	6	5	35	25	200
050119	6 x 39 P	39	6	12	35	25	100
050121	6 x 52 P	52	6	25	35	25	100
050122	6 x 67 P	67	6	40	35	25	100
060090	8 x 42 P	42	8	10	40	30	50
060091	8 x 62 P	62	8	30	40	30	50
060092	8 x 92 P	92	8	60	40	30	50
060093	8 x 112 P	112	8	80	40	30	50
060094	8 x 132 P	132	8	100	40	30	50

### HIT M - ZINC PLATED DRIVE SCREW, COUNTERSUNK SLEEVE (V)



Code	Description	Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thick (mm)	Min Anchor Depth (mm)	Effective Embed (mm)	Box Qty
050129	6 x 42 V	42	6	12	35	25	100
050131	6 x 52 V	52	6	25	35	25	100
050132	6 x 67 V	67	6	40	35	25	100
060095	8 x 62 V	62	8	30	40	30	50
060096	8 x 92 V	92	8	60	40	30	50
060097	8 x 112 V	112	8	80	40	30	50
060098	8 x 132 V	132	8	100	40	30	50

### HIT M - STAINLESS STEEL A2 DRIVE SCREW, FLANGED SLEEVE (P)



Code	Description	Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thick (mm)	Min Anchor Depth (mm)	Effective Embed (mm)	Box Qty
060104	6 x 32 P A2	32	6	5	35	25	100
060105	6 x 52 P A2	52	6	25	35	25	50
060106	6 x 67 P A2	67	6	40	35	25	50
060109	8 x 92 P A2	92	8	60	40	30	50

## SPIT PRO 6 Universal Nylon Anchors

### MULTI-MATERIAL



High performance, universal lightweight nylon anchor with six expandable zones which provide expansion and clamping in solid and hollow materials.

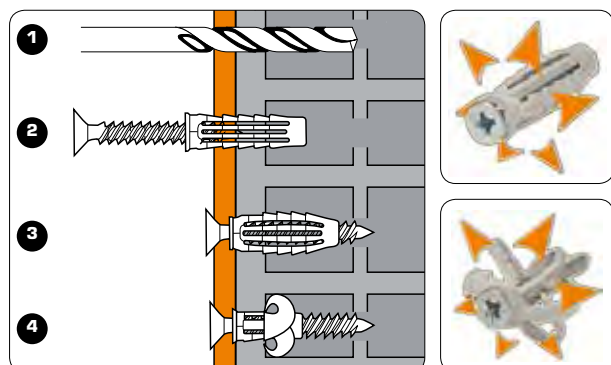
#### Applications

- Electrical accessories
- Home entertainment mounts
- Shelves & brackets
- Cupboards
- Basins

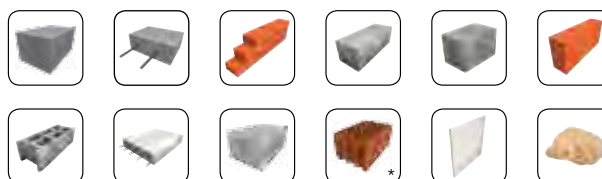
#### Features and Benefits

- Oversized body for high performance with different screw diameters
- Polyamide 6 nylon body suitable for temperatures from -20°C to +40°C
- Innovative design: Six expansion zones to offer the best possible fix
- Durable: Can be hammered into place without distortion on the anchor body
- Versatile: Suitable for multiple base materials

#### Installation



#### Substrates



\*Applicable with care

#### Bag Packaging

Available in smaller quantities. Refer to page 136.

#### Technical Specifications

Body: Polyamide 6 Nylon

Screw: Machine screw zinc plated

POLYAMIDE

## Universal Nylon Anchors

### PRO 6 - BODY ONLY



Code	Description	Takes Screw Ø (mm)	Anchor Length (mm)	Anchor Ø (mm)	Hole Ø (mm)	Box Qty
565642	5 x 25mm	3 or 4	25	6.5	5	100
565643	6 x 30mm	4 or 5	30	7.5	6	100
565644	8 x 40mm	4, 5 or 6	40	9.0	8	100
565645	10 x 50mm	6, 7 or 8	50	11.0	10	50

### PRO 6 - BODY & SCREW



Code	Description	Anchor Length (mm)	Anchor Ø (mm)	Hole Ø (mm)	Box Qty
565646	5 x 25mm + Screw	25	6.5	5	100
565647	6 x 30mm + Screw	30	7.5	6	100
565648	8 x 40mm + Screw	40	9.0	8	50
565649	10 x 50mm + Screw	50	11.0	10	25

# Mechanical Anchors

## SPIT NYLON FRAME ANCHOR Nylon Screw Anchors

MASONRY



Pre-assembled nylon frame anchor for battening and framework.

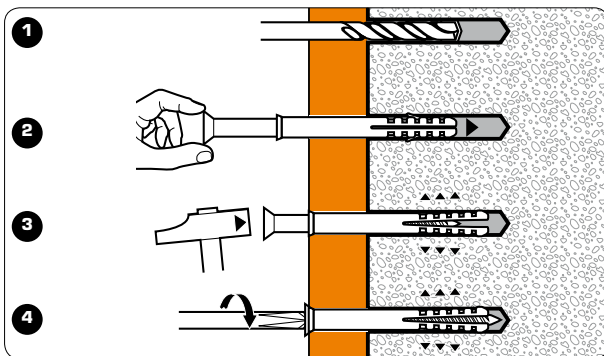
### Applications

- Wall plates
- Door frames
- Battens / sole plates
- Window frames

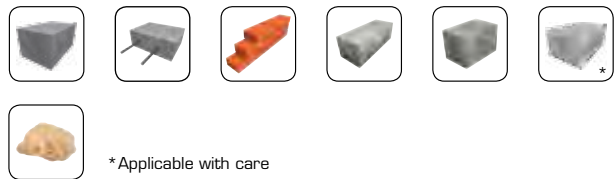
### Features and Benefits

- Through fixing for fast installation
- Anti-rotation lugs prevents rotation during installation

### Installation



### Substrates



\* Applicable with care

## Nylon Frame Anchors

### NYLON FRAME ANCHOR



Code	Anchor Ø (mm)	Anchor Length (mm)	Drill Ø (mm)	Max Fixture Thickness (mm)	Min Hole Depth (mm)	Pozidrive Size (mm)	Box Qty
565489	8	60	8	15	50	N°3	50
565490	8	80	8	35	50	N°3	50
565491	8	100	8	55	50	N°3	50
565492	8	120	8	75	50	N°3	25
565495	10	80	10	30	55	N°3	25
565496	10	100	10	50	55	N°3	25
565497	10	115	10	65	55	N°3	20
565498	10	135	10	85	55	N°3	20
565499	10	160	10	110	55	N°3	20

## SPIT FIXELEC Cable Tie Anchors



High-quality and durable nylon anchor for use with cable ties. Cable ties are NOT included.

Code	Description	Diameter (mm)	Length (mm)	Box Qty
565340	FixElec 8/6.5*	8	43	100

## SPIT NYL

### Universal Nylon Plugs

#### MASONRY



Strong and durable high performance nylon anchor, with or without lip. Suitable for most substrates.

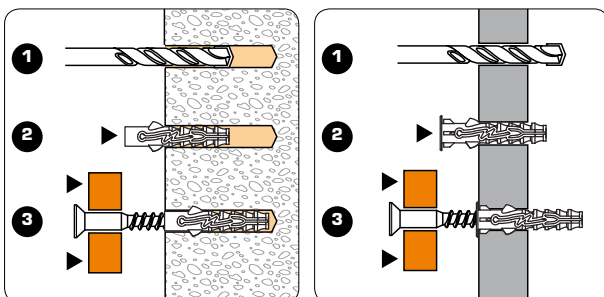
#### Applications

- All light duty applications
- Electrical accessories
- Lighting
- Shelving
- Bathroom fixtures
- Signage

#### Features and Benefits

- Excellent holding power: Superior grip in all base materials for a secure fix
- Innovative “M” slot provides rapid expansion and an immediate lock with no distortion
- Connected expansion legs ensure the best possible setting of the anchor
- High load values up to 80kg in concrete
- Versatile: Suitable for all light duty fixing requirements
- Universal: Can be used in most substrates
- Anti-rotation fins eliminate any risk of the anchor rotating during installation

#### Installation

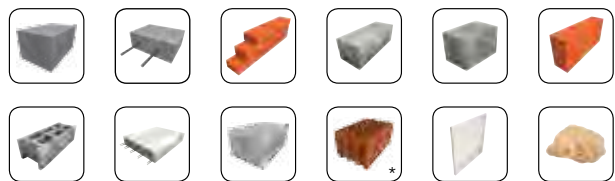


NYL without lip installed in solid material

NYL with lip installed in hollow material



#### Substrates



\*Applicable with care

## Universal Nylon Plugs

### NYL WITHOUT LIP



Code	Description	Anchor Ø (mm)	Length (mm)	Screw Ø (mm)	Box Qty
057140	6 x 30	6	30	3.5 - 5.0	100
057020	8 x 40	8	40	4.5 - 6.0	100
057030	10 x 50	10	50	6.0 - 8.0	50
057150	12 x 60	12	60	8.0 - 10.0	25
057050	14 x 70	14	70	10.0 - 12.0	20

### NYL WITH LIP



Code	Description	Anchor Ø (mm)	Length (mm)	Screw Ø (mm)	Box Qty
057070	5 x 25	5	25	2.5 - 4.0	100
057080	6 x 30	6	30	3.5 - 5.0	100
057090	8 x 40	8	40	4.5 - 6.0	100

## SPIT PLASTIC PLUG

### Expansion Plugs



Low cost, low load traditional expansion plug for use with zinc plated, brass or stainless steel wood screws.

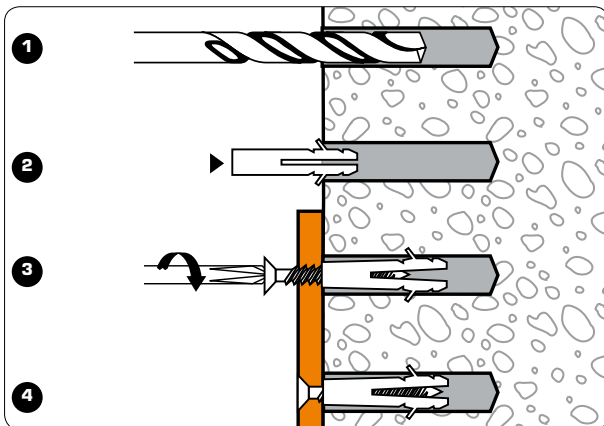
#### Applications

- Curtain hooks
- Small brackets
- General light duty applications

#### Features and Benefits

- Use with brass or stainless steel screws where corrosion resistance is required
- Colour coded to indicate plug size
- Inexpensive

#### Installation



#### Technical Specifications

Body: Polyethylene



#### Substrates



## Expansion Plugs

### PLASTIC PLUGS ON SPRUCE



Code	Colour	Plug/Hole Ø (mm)	Screw Ø (mm)	Plug Length (mm)	Box Qty
995530	Yellow	5	4	25	1,000
995540	Red	6	5	30	1,000
995550	Brown	7	6	35	1,000

### PLASTIC PLUGS HANGING



Code	Colour	Plug/Hole Ø (mm)	Screw Ø (mm)	Plug Length (mm)	Pack Qty	Pack Per Box
922722	Yellow	5	4	25	100	10
922723	Red	6	5	34	100	10
922724	Brown	7	6	42	100	10

### PLASTIC PLUGS WRAPPED



Code	Colour	Plug/Hole Ø (mm)	Screw Ø (mm)	Plug Length (mm)	Pack Qty	Pack Per Box
922725	Red	6	5	34	300	4
922726	Brown	7	6	42	300	4

### PLASTIC PLUGS CONTRACTOR PACK

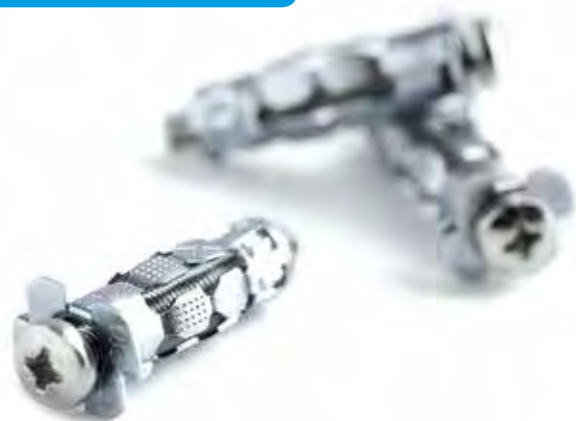


Code	Colour	Plug/Hole Ø (mm)	Screw Ø (mm)	Plug Length (mm)	Pack Qty	Pack Per Box
922729	Red	6	5	34	1,000	1
922730	Brown	7	6	42	1,000	1



## SPIT ZENTECH HD Hollow Wall Anchor Cavity Fixings

### PLASTERBOARD



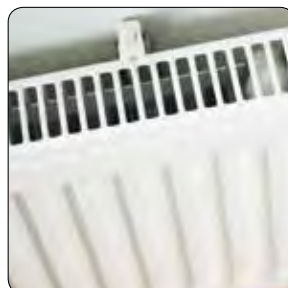
**Pre-assembled cavity fixing for hollow wall and plasterboard. Locks into the base material allowing removal and refit of fixture with removable screw.**

#### Applications

- Light duty clamps
- Radiators
- Inside lighting
- Bathroom fixtures
- Kitchen fixtures
- Mirrors
- Towel rails
- Inside air conditioning unit
- Electrical accessories

#### Features and Benefits

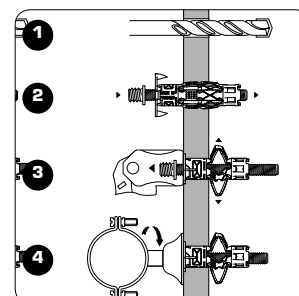
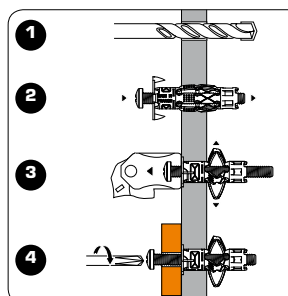
- Innovative design: Embedded nut that gives a secure guidance of the screw during installation
- Wide expansion legs: Offers better grip of the plasterboard, preventing any surface tear
- Secured expansion: Giving an even distribution of the load across all expansion legs
- High load values
- Speed: Fast installation to save time
- Versatile: Can be used in plasterboard, particle cement board and chipboard



#### Substrates



#### Installation



#### Setting Tool

Code	Description	Qty
059548	Zentech & Hollow Wall Anchor Setting Tool	1



## Hollow Wall Anchor Cavity Fixings

### ZENTECH HD



Code	Screw Thread	Anchor Length (mm)	Screw Length (mm)	Substrate Thickness Min/Max (mm)	Max Fixture Thickness (mm)	Drill Ø Plasterboard (mm)	Drill Ø Masonry (mm)	Screw Recess Type (mm)	Box Qty
061040	M4	34	40	6 - 13	18	9	10	PZ2	100
061070	M5	34	40	6 - 13	18	11	12	PZ2	100
061110	M6	35	40	6 - 13	18	13	12	PZ3	100

## SPIT DRIVA® Self-Drilling Plasterboard Fixings

### PLASTERBOARD



The original and best self-drilling plasterboard fixing. Quick and easy to install using only a screwdriver.

#### Applications

- Bathroom accessories
- Fuse boxes
- Bracketry
- Signage
- Mirrors
- Dado Rails
- Radiators (Driva® Plus only)
- Trunking (Mini Driva® only)

#### Features and Benefits

- A range of fixings for different applications
- No need for pre-drilling
- Corrosion resistant
- Removable
- Head sits flush behind fixture
- Low profile head (screws supplied)
- Screw thread profile: Designed for efficient cutting and ensures a positive lock
- No maximum or minimum plasterboard thickness (excluding Driva® Plus)
- Driva® Plus combines screw and toggle to clamp board for increased performance
- Mini Driva® for fixing trunking to plasterboard



#### Substrates



With Pre-drilled Hole Ø 8mm

#### Bag Packaging

Available in smaller quantities. Refer to page 139.

#### Technical Specifications

Body: Zamak 3

DRIVA  
DRIVA PLUS  
MINI DRIVA

Body: Glass Fibre Reinforced Nylon Polyamide

DRIVA LD

**Driva®** one piece self-drilling anchor designed for fastening light / medium loads to plasterboard. For use in plasterboard, simply screw using a normal or power screwdriver. The point drills a pilot hole followed by a coarse, specifically designed helical thread biting into the plasterboard substrate making the fix. The separate screw is then used to mount the fixture.

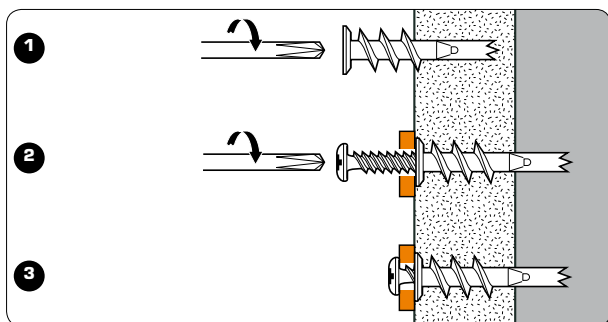
When using standard Driva® in aerated concrete it is necessary to drill a 8mm diameter pilot hole.

**Driva® Plus** works in the same way as standard Driva® in plasterboard, but is designed for fixing heavier loads. The additional hinged toggle swivels and pulls towards the inner face of the cavity through the action of the mounting screw. This gives a combined screw and clamp fix.

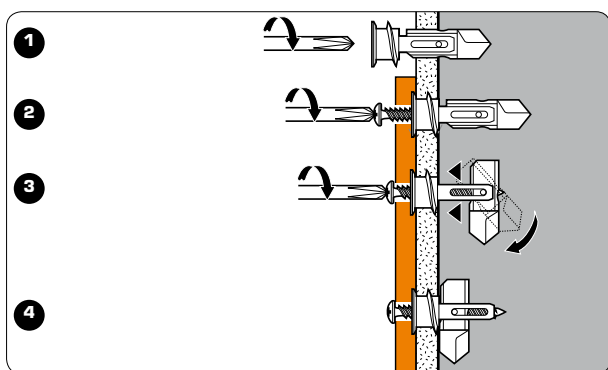
**Mini Driva®** is used on its own, as a coarse screw specially designed for plasterboard.

## Self-Drilling Plasterboard Fixings

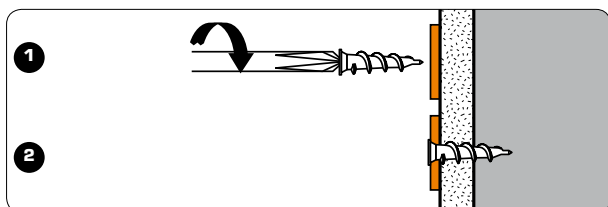
### Installation - Driva®



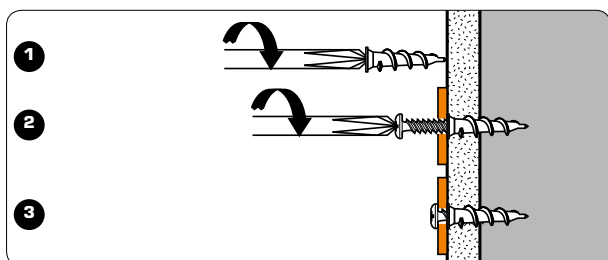
### Installation - Driva® Plus



### Installation - Mini Driva®



### Installation - Driva® LD



### Driva® TP12 Kit with Screwdriver

Code	Description	Kit Qty
074180	Driva® TP12 200pc Kit with Screwdriver	200

### DRIVA® Original Self-Drilling Plasterboard Fixing



The fastest self-drilling plasterboard fixing - Good pull-out values with efficient dust disposal.

Code	Description	Anchor Length (mm)	Screw Length (mm)	Drill Ø* (mm)	Max Fixture (mm)	Box Qty
059360	Driva® TP12	31	35	8	12	100
059380	Driva® TF27	31	50	8	27	100
059370	Driva® TF5	31	25	8	5	100
059910	Driva® F12**	31	35	-	12	100

\*For pre-drilling into aerated concrete. TP = Pan Head TF = Countersunk  
\*\*Plastic.

### DRIVA® PLUS Self-Drilling Plasterboard Fixing For Heavy Loads



Self-drilling anchor for heavy loads - Clamp fix system enables high performance in plasterboard.

Code	Description	Anchor Length (mm)	Screw Length (mm)	Max Fixture (mm)	Box Qty
061190	Driva® Plus TP12	39	45	12	100

TP = Pan Head

### MINI DRIVA® One Step Self-Drilling Plasterboard Fixing



Ideal for fixing mini trunking, skirting boards and beading - One step installation saves time, leaving a fine finish.

Code	Description	Anchor Length (mm)	Head Ø (mm)	Hole Ø (mm)	Max Fixture (mm)	Box Qty
059430	Mini Driva®	25	7.5	5	5	200

### DRIVA® LD Non-Conductive Self-Drilling Plasterboard Fixing



Fast anchor for light loads - Constructed from a mix of nylon and fibreglass, for electrical installations.

Code	Description	Anchor Length (mm)	Screw Length (mm)	Max Fixture (mm)	Box Qty
058850	Driva® LD TP12	30	25	12	200

TP = Pan Head



## SPIT HOLLOW WALL ANCHOR Pre-assembled Cavity Fixings

### PLASTERBOARD



**Pre-assembled cavity fixing. Locks into the base material allowing removal and refit of fixture with removable screw.**

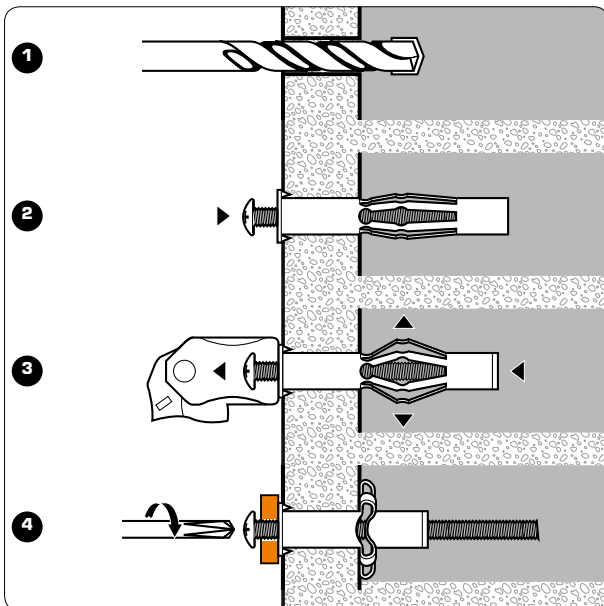
#### Applications

- Bathroom fixtures
- Kitchen fixtures
- Shelving brackets
- Ceiling fixtures

#### Features and Benefits

- Flush finish body, low profile screw head
- Large flange: Prevents pull into base material
- Anti-rotation barbs: Prevent the anchor from spinning in the hole
- 5 expansion legs: Gives full support (M5 and M6)

#### Installation



#### Substrates



#### Bag Packaging

Available in smaller quantities. Refer to page 139.

#### Technical Specifications

Body:	Pressed steel body - Zinc plated 5µm	<b>ZINC</b>
Screw:	Machine screw - Zinc plated 5µm	

Anchor for hollow base materials. For correct setting use the setting tool to ensure that the legs collapse and spread fully, clamping the load over a wide area.

## Pre-assembled Cavity Fixings

### HOLLOW WALL ANCHOR



Code	Thread Ø	Overall Anchor Length (mm)	Drill Ø (mm)	Wall Thickness Min/Max (mm)	Max Fixture Thickness (mm)	Box Qty
061050	M4	46	8	12 - 24	10 - 20	100
061080	M5	45	8	3 - 16	10 - 25	100
061090	M5	59	8	14 - 32	10 - 25	100
061120	M6	46	10	4 - 16	10 - 25	100
061130	M6	59	10	16 - 30	10 - 25	100

#### Setting Tool

Code	Description	Qty
059548	Zentech & Hollow Wall Anchor Setting Tool	1



## SPIT CC VBA Cavity Fixings

### PLASTERBOARD



**Cavity Fixing for hollow wall and plasterboard, using wood or plasterboard screws to provide flexibility. Three times faster to install than other expansion anchors.**

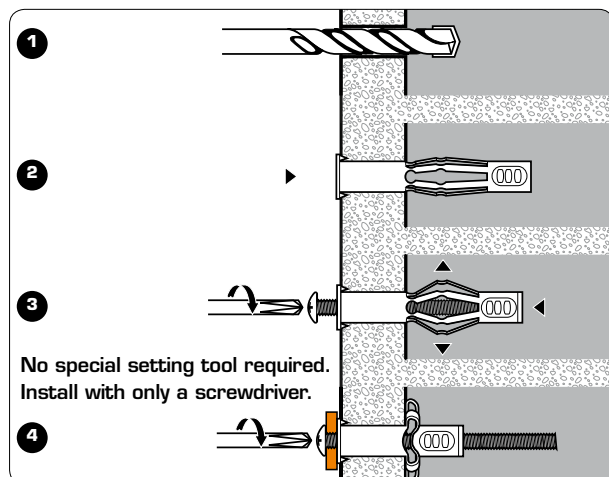
#### Applications

- Kitchen unit installations
- Heating installations
- Shelves
- Curtain rails

#### Features and Benefits

- Two most popular diameters: 4mm and 5mm
- Clipped head: Easier to break and chip off when you want to remove from the wall
- Compatible with most standard wood or plasterboard screws: No special screws required
- Patented three screw threaded part: Allows anchor to bite and expand quicker
- High ultimate fixing loads: For a secure fix
- Head markings: Indicate drill bit size and screw  $\varnothing$

#### Installation



#### Substrates



#### Technical Specifications

Body: Pressed steel body - Zinc plated 5 $\mu$ m

ZINC

Anchor for hollow base materials. No setting tool required.

## Cavity Fixings

### CC VBA



Code	Thread $\varnothing$	Length Expanded - Not Exp (mm)	Drill $\varnothing$ (mm)	Wall Thickness Min/Max (mm)	Max Fixture Thickness (mm)	Box Qty
922823	M4	33 - 39	8	10 - 13	9*	100
922824	M5	34 - 41	10	10 - 15	12**	100

\*Max with 45mm screw

\*\*Max with 50mm screw

# Mechanical Anchors

## SPIT UDZ

### Ceiling Anchors

CONCRETE



The **SPIT UDZ** combines the principle of a bolt anchor with that of a simple hammer set anchor, where no tightening torque is required. The anchor expands automatically under the load of the application and pulls the cone into the expansion sleeve.

#### Applications

- Metal profiles
- Chains
- MF ceilings
- Drywall rails
- Metal clamps
- Pipes
- Temporary lighting

#### Features and Benefits

- Approved for use in both cracked and non-cracked concrete
- All metal: Fire resistant
- Small drill diameter
- Fast hammer set installation
- No tightening torque required: Expands automatically under load
- Expansion barb: Prevents the anchor from falling out



#### Approvals



#### Substrates



Cracked & Non-Cracked Concrete C20 TO C25

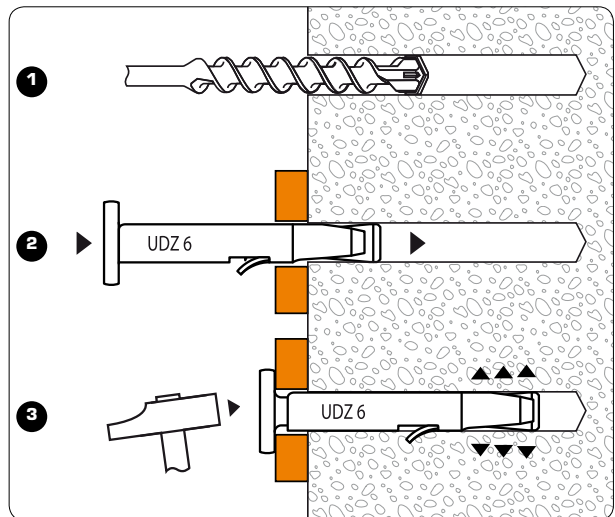


#### Technical Specifications

Body: Steel, bright zinc plated

ZINC

#### Installation



## Ceiling Anchors

### UDZ



Code	Description	Anchor Depth (mm)	Head Ø (mm)	Max Fixture Thickness (mm)	Drill Ø (mm)	Drill Depth (mm)	Clearance Ø (mm)	Box Qty
060084	UDZ 6x35/5	30	12	5	6	50	7	100

## RAMSET WIRE HANGER

### Suspension Anchors

CONCRETE



One piece all metal load assisted suspension anchor ideal for fixing suspended ceilings or supporting wires.

#### Applications

- Fixing cables for suspended ceilings
- Lighting
- Signage

#### Technical Specifications

Forged and Pierced Metal Body: White zinc plated

Pressed Steel Expansion Segment: White zinc plated

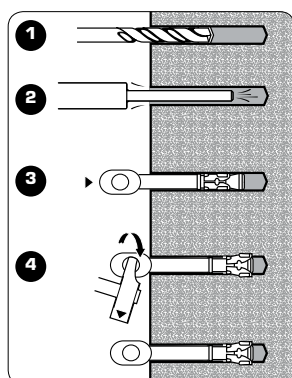
ZINC

After inserting into the hole, a swift tug with a claw hammer sets the anchor. Under loading, the expansion cone draws into the expansion sleeve ensuring a secure fix.

#### Substrates



#### Installation



## Suspension Anchors

### WIRE HANGER



Code	Anchor Ø (mm)	Anchor Length (mm)	Eye Ø (mm)	Min Hole Depth (mm)	Box Qty
922781	6	60	6.2	43	100

## RAMSET VF1

### Vertical Flange Clips

STEEL



Simple, quick and high strength vertical flange clip for fixing suspended wire and lighting to steel profiles.

#### Applications

- Fixing of cable to steel purlins
- Fixing suspended ceilings to steel profiles
- Fixing lighting systems to steel profiles

#### Technical Specifications

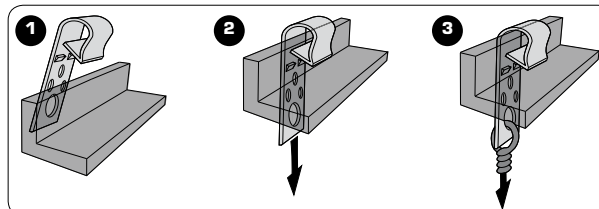
Body: Steel, zinc pasivated

ZINC

#### Substrates



#### Installation



## Vertical Flange Clips

### VF1



Code	Description	Large Drilled Hole Ø (mm)	Small Drilled Hole Ø (mm)	Box Qty
VF1	For Flanges 1.6 - 2.5mm	7	3	100

## SPIT ISOMET

### Hammer-in Insulation Anchors

CONCRETE



All metal through fixing insulation anchor for insulation materials. Quick and easy to install.

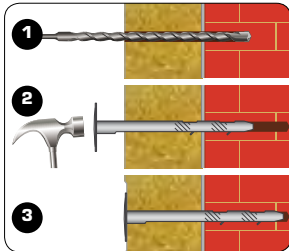
#### Applications

- Fixing of insulation when fire resistance is required
- Cavity insulation
- Soffit lining

#### Features and Benefits

- Quick and easy to install
- Tapered shank: Aids insulation
- 100% metal anchor: Fire resistant (CSTB tested)
- Holes in head: Provide key for render
- Clear sleeve and head marking: Offering pre-installation and post-installation guidance
- Large diameter head: To support insulation material
- Barbs: Offer extra grip in the expansion zone

#### Installation



#### Specifications

Body: Galvanised

Head Ø: 35mm

Body: Stainless Steel A4-316

Head Ø: 35mm

GALV

S/STEEL

#### Insulation



Expanded Polystyrene Board (EPS)



Mineral Wool



Thermoset Phenolic Insulation



Wood Fibreboard



#### Approvals



HOLLOW  
SOCOTEC  
n° PT 3043



R180 FIRE  
RESISTANCE



#### Substrates, in accordance with ETAG 014



Usable  
Category A

Plastic fasteners for use in ordinary concrete (C12/15 - C50/60)



Usable  
Category B

Plastic fasteners for use in solid brick wall blocks

## Hammer-in Insulation Anchors

### ISOMET - GALVANISED



Code	Hole Ø (mm)	Overall Anchor Length (mm)	Min Drill Depth (mm)	Min Embed Depth (mm)	Max Insulation Thickness* (mm)	Box Qty
059730	8	80	60	50	30	250
059740	8	110	60	50	60	250
059750	8	140	60	50	90	250
059760	8	170	60	50	120	250
059770	8	200	60	50	150	250

\*For 50mm embedment and 10mm mortar glue

### ISOMET SS - STAINLESS STEEL A4-316



Code	Hole Ø (mm)	Overall Anchor Length (mm)	Min Drill Depth (mm)	Min Embed Depth (mm)	Max Insulation Thickness* (mm)	Box Qty
059700	8	80	60	50	30	250
059710	8	110	60	50	60	250
059720	8	140	60	50	90	250

\*For 50mm embedment and 10mm mortar glue



## SPIT ISO Hammer-in Insulation Anchors

### CONCRETE



**Pre-assembled through fixing insulation anchor for insulation materials. Quick and easy to install.**

#### Applications

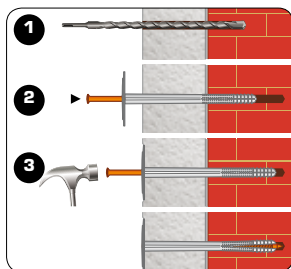
- Fixing of rigid insulation onto solid & hollow substrates
- Internal and external insulation boards (EWI)

NB. The anchor must be protected from UV rays by a suitable screen such as rendering or panelling.

#### Features and Benefits

- Quick and easy to install through the insulation
- Rough cast head: Provides a key for render
- Very good performance in hollow materials
- Rigid, watertight glass fibre nail
- Deep profile and expansion legs: Excellent pullout resistance even in hollow & lightweight materials
- Sealing ring: Prevents passage of moisture through anchor body
- Serrated shank nail: Superior fixing resistance

#### Installation



#### Specifications

Expansion nail:	Glass reinforced polyamide 6
Anchor body:	Polypropylene
Thermal conductivity:	0.12 W/m · °C
Head Ø:	60mm

POLYPROPYLENE

#### Insulation



Expanded Polystyrene Board (EPS)



Mineral Wool



Thermoset Phenolic Insulation



#### Approvals



#### Substrates, in accordance with ETAG 014



**Usable Category A** Plastic fasteners for use in ordinary concrete (C12/15 - C50/60)



**Usable Category B** Plastic fasteners for use in solid brick wall blocks



**Usable Category C** Plastic fasteners for use in walls made of hollow bricks or cavity brick

## Hammer-in Insulation Anchors

### ISO

Code	Hole Ø (mm)	Overall Anchor Length (mm)	Min Drill Depth (mm)	Min Embed Depth (mm)	Max Insulation Thickness (mm)	Box Qty
057600	10	60	50	30	30	200
057611	10	95	50	30	65	200
060001	10	115	50	30	85	200
057630	10	135	50	30	105	200
057640	10	155	50	30	125	200
057650	10	175	50	30	145	200
057651	10	195	50	30	165	200
057652	10	215	50	30	185	200
057653	10	235	50	30	205	200

## SPIT BAGGED ANCHORS

### Mechanical Anchors



The retail bagged anchor offer provides customers simple self selection of the correct anchor and application based on substrate.



#### Features and Benefits

- Offering you the possibility of buying high quality anchors in low volumes
- Especially appealing to the DIY market
- Ideal for low volume users, for example joiners, electricians and plumbers
- An extensive range to provide the solution for most fixing applications
- Bag headers are colour coded to easily identify what substrate the anchors can be installed in

General

Concrete

Masonry

Plasterboard

## Bagged Anchors

### EXTEND High Performance Facade and Frame Fixing



High performance facade and frame fixing.

**MEDIUM TO HEAVY LOADS** in brick and hollow block.

Applications: Door frames and sets, timber battens.

Code	Description	Screw Ø (mm)	Max Fixture (mm)	Through Fixing Min Hole Depth (mm)	Bag Qty	Bags Per Box
567011	M10 x 100	7	30	110	6	10
567012	M10 x 115	7	45	125	6	10
567013	M10 x 135	7	65	145	6	10

### uPVC Frame Fixing (Plus Cap)



Nylon anchor for easy secure installation of door & window frames.

**MEDIUM LOADS** in concrete, brick and block.

Applications: fixing timber, plastic/aluminium door & window frames.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Through Fixing Min Hole Depth (mm)	Bag Qty	Bags Per Box
566491	M8 x 100	8	50	110	8	10
566492	M8 x 140	8	90	150	8	10
566493	M10 x 140	10	80	150	8	10

### PRO 6 Nylon Anchor



Universal nylon anchor with six expandable zones for anti-rotation.

**MEDIUM LOADS** in concrete, hollow and solid brick and block.

Applications: kitchen fittings, electrical accessories & bathroom fittings.

Code	Description	Hole Ø (mm)	Takes Screw Ø (mm)	Length (mm)	Bag Qty	Bags Per Box
<b>BODY ONLY:</b>						
567014	M5 x 25	5	3, 4	25	20	15
567015	M6 x 30	6	4, 5	30	20	15
567016	M8 x 40	8	4, 5, 6	40	10	15
567017	M10 x 50	10	6, 7, 8	50	10	15

Product details on page 123.

## Bagged Anchors

### SANITARY KIT FVEC Vertical W.C Fixing



Hydro-thermo fixings kit for fixing sanitary items.

Applications: Water closets.

**Contents:**  
2 x Brass Screws Ø 6 x 70mm  
2 x Nylon Plugs Ø 8 x 40mm  
2 x Nylon Bushes Ø 7.5mm  
2 x White Cover Caps  
2 x Metal Cover Caps

Code	Description	Hole Ø (mm)	Fixture Thick (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922719	FVEC Vertical W.C Fixing 6x70mm	8	20	50	2	10

### SANITARY KIT FMF Horizontal W.C Fixing



Hydro-thermo fixings kit for fixing sanitary items.

Applications: Water closets.

**Contents:**  
2 x Hex Head Wood Screws Ø 6 x 70mm  
2 x Nylon Plugs Ø 10 x 50mm  
2 x Stainless Steel Screws Ø 5 x 50mm  
2 x Nylon Brackets  
2 x Nylon Bushes  
2 x Cover Caps and 2 x Washers

Code	Description	Hole Ø (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922716	FMF Horizontal W.C Fixing 10x50mm	10	60	2	10

### SANITARY KIT FLB Wash Basin / Bidet Wall Fixing



Nylon Plug and Bush - Zinc Plated Screw and Nut

Hydro-thermo fixings kit for fixing sanitary items.

Applications: Wash basins and bidets.

**Contents:**  
2 x Stud Screws M10 x 140mm  
2 x Nylon Plugs Ø 14 x 80mm  
2 x Nylon Bushes Ø 13.6mm  
2 x Hex Nuts  
2 x Washers

Code	Description	Hole Ø (mm)	Fixture Thick (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922717	FLB Wash Basin/ Bidet Wall Fixing 14/M10x140mm	14	40	90	2	10

### SANITARY KIT FLB Wash Basin / Bidet Wall Fixing



Nylon Plug and Bush - Zinc Plated Screw and Nut

Hydro-thermo fixings kit for fixing sanitary items.

Applications: Wash basins and bidets.

**Contents:**  
2 x Stud Screws M8 x 110mm  
2 x Nylon Plugs Ø 10 x 60mm  
2 x Nylon Bushes Ø 11.5mm  
2 x Hex Nuts  
2 x Washers

Code	Description	Hole Ø (mm)	Fixture Thick (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922720	FLB Wash Basin/ Bidet Wall Fixing 10/M8x110mm	10	30	70	2	10

### SANITARY KIT FL Wash Basin / Bidet Wall Fixing



Nylon Plug and Nut - Zinc Plated Screw

Hydro-thermo fixings kit for fixing sanitary items.

Applications: Wash basins and bidets.

**Contents:**  
2 x Stud Screws M10 x 140mm  
2 x Nylon Plugs Ø 14 x 80mm  
2 x Nylon Hex Nuts

Code	Description	Hole Ø (mm)	Fixture Thick (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922718	FL Wash Basin/ Bidet Wall Fixing 14/M10x140mm	14	40	90	2	10

### SANITARY KIT FL Wash Basin / Bidet Wall Fixing



Nylon Plug and Nut - Zinc Plated Screw

Hydro-thermo fixings kit for fixing sanitary items.

Applications: Wash basins and bidets.

**Contents:**  
2 x Stud Screws M8 x 110mm  
2 x Nylon Plugs Ø 10 x 60mm  
2 x Nylon Hex Nuts

Code	Description	Hole Ø (mm)	Fixture Thick (mm)	Min Hole Depth	Bag Qty	Bags Per Box
922721	FL Wash Basin/ Bidet Wall Fixing 10/M8x110mm	10	30	70	2	10

### HIT M (V) Hammer Screw



Pre-assembled, demountable hammer screw through fixing.

**LIGHT TO MEDIUM LOADS** in concrete, brick and block.

Applications: Drywall track and bracketry.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567018	M6 x 40	6	12	20	15
567019	M6 x 50	6	25	15	15
567020	M8 x 60	8	30	10	10
567021	M8 x 90	8	60	10	10

Product details on page 122.

### PLASTIC PLUGS Expansion Plugs



All purpose, cost effective plugs for secure fixing.

**LIGHT LOADS** in concrete, solid and hollow brick and block.

Applications: For general purpose.

Code	Description	Plug Ø (mm)	Plug Length (mm)	Screw Size No.	Qty
922722	Yellow	5.0	25	4,6,8	100
922723	Red	5.5 - 6.0	34	6, 8,10	100
922724	Brown	7.0	42	10,12,14	100

Product details on page 126.

## Bagged Anchors

### TAPCON HEX HEAD Concrete Screw



The original self-tapping fastening system for concrete & masonry.  
**MEDIUM LOADS** in concrete, brick and block.

Applications: electrical accessories, conduit systems, security systems, lighting, alarm systems, brackets, clips and signage.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567038	M6 x 32	5	7	15	10
567039	M6 x 45	5	20	15	10
567040	M6 x 57	5	32	15	10
567041	M6 x 70	5	45	15	10
567042	M6 x 82	5	57	15	10

Product details on page 142 -143.

### TAPCON LDT 7.5mm Concrete Screw



High performance, removable fastening system.

**HEAVY LOADS** in concrete, brick and block.

Applications: Mechanical and electrical, security fencing, safety rails, brackets, gates and aerials.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567043	M7.5 x 40	6	5	8	10

Product details on page 144 -145.

### RAMBOLT - LOOSE BOLT Shield Anchor



High performance torque controlled expansion anchor.

**HEAVY LOADS** in concrete.

Applications: Handrails, gates, aerials, shelving, guide rails, racking and crash barriers.

Code	Description	Drill Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567026	M6 x 60	10	10	6	10
567027	M8 x 83	14	25	4	10
567028	M10 x 86	16	10	4	10
567029	M10 x 106	16	25	4	10

Product details on page 117.

### SPIT LOK® - HEX NUT Sleeve Anchor



Patented sleeve anchor that twists, shortens and pulls down to fix securely.

**MEDIUM LOADS** in concrete, brick and block.

Applications: Hand rails, angle iron, signs, porches and wall plates.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
922799	8 x 65/30	8	30	6	10
922800	10 x 77/37	10	37	4	10
922801	10 x 97/57	10	57	4	10
922802	12 x 99/49	12	49	4	10

Product details on page 117.

### TAPCON COUNTERSUNK Concrete Screw



The original self-tapping fastening system for concrete & masonry.  
**MEDIUM LOADS** in concrete, brick and block.

Applications: electrical accessories, security systems, lighting, alarm systems, brackets and signage.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567035	M5 x 70	4	45	15	10
567036	M6 x 82	5	57	10	10
567037	M6 x 100	5	75	10	10

Product details on page 142 -143.

### TAPCON LDT 10mm Concrete Screw



High performance, removable fastening system.

**HEAVY LOADS** in concrete, brick and block.

Applications: Fencing, handrails, ladder restraints, pipe work, seating, staircases, fire escapes, sign erection, racking and shelving.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567044	10 x 45	8	7	4	10
567045	10 x 76	8	38	4	10

Product details on page 144 -145.

### RAMBOLT - FORGED EYE BOLT Shield Anchor



High performance torque controlled expansion anchor.

**HEAVY LOADS** in concrete.

Applications: Anchoring cable, rope or chain, tie downs, guide wires and catenary wires.

Code	Description	Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567024	M6 x 45	10	6	2	10
567025	M8 x 55	14	8	2	10

## Bagged Anchors

### DRIVA® TP12 Plasterboard Fixing



The original self-drilling plasterboard fixing.

**LIGHT TO MEDIUM LOADS** in plasterboard.\*

Applications: Electrical fixtures, bathroom accessories, shelving and signage.

Code	Description	Anchor Length (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567047	Driva® TP12	31	12	25	10

\*Suitable for 10 - 15mm plasterboard

Product details on page 128 - 129.

### DRIVA® DRILL Plasterboard Fixing



Self-drilling, nylon plasterboard fixing.

**LIGHT LOADS** in plasterboard.\*

Applications: Mini trunking, electrical and bathroom accessories, junction boxes, fuse boxes and signage.

Code	Description	Anchor Length (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567049	Driva® Drill	30	12	30	10

\*Suitable for 10 - 15mm plasterboard

Product details on page 128 - 129.

### MINI DRIVA® Plasterboard Fixing



One step, self-drilling plasterboard fixing.

**LIGHT LOADS** in plasterboard.\*

Applications: Bathroom accessories, satellite accessories and electrical accessories.

Code	Description	Anchor Length (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567051	Mini Driva®	25	5	50	10

\*Suitable for 10 - 15mm plasterboard

Product details on page 128 - 129.

### SPRING TOGGLE Cavity Fixing



Cavity and plasterboard fixing with wide wingspan to spread the load.

**LIGHT TO MEDIUM LOADS** in plasterboard.

Applications: Bathroom fixtures, plumbing and heating fixtures, lightweight radiators, shelf supports and timber battens.

Code	Description	Substrate Hole Ø (mm)	Fixture Hole Ø (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567056	M4 x 75/10	10	5	45	10	10
567057	M4 x 75/14	14	5	40	8	10

### DRIVA® PLUS Plasterboard Fixing



Self-drilling plasterboard fixing with clamping system.

**MEDIUM LOADS** in plasterboard.\*

Applications: Electrical fixtures, plumbing fixtures, kitchen fixtures, bathroom accessories, curtain track, shelving, & lightweight radiators.

Code	Description	Anchor Length (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567048	Driva® Plus	39	12	25	10

\*Suitable for 10 - 15mm plasterboard

Product details on page 128 - 129.

### DRIVA® NYLON TP12 Plasterboard Fixing



Self-drilling, non-conductive plasterboard fixing.

**LIGHT TO MEDIUM LOADS** in plasterboard.\*

Applications: Electrical fixtures, plumbing fixtures and bathroom accessories.

Code	Description	Anchor Length (mm)	Max Fixture (mm)	Bag Qty	Bags Per Box
567050	Driva® Nylon TP12	37	12	25	10

\*Suitable for 10 - 15mm plasterboard

Product details on page 128 - 129.

### HOLLOW WALL ANCHOR Cavity Fixing



Pre-assembled cavity and plasterboard fixing.

**MEDIUM LOADS** in plasterboard.

Applications: Electrical fixtures, plumbing fixtures, coat hangers, bathroom accessories, shelving, curtain tracks and kitchen fixtures.

Code	Description	Hole Ø (mm)	Min-Max Base Thickness (mm)	Bag Qty	Bags Per Box
567052	M4 x 46	8	12 - 24	20	10
567053	M5 x 45	8	3 - 16	20	10
567054	M5 x 59	8	14 - 32	15	10
567055	M6 x 59	10	16 - 30	15	10

Product details on page 130.





## **SPIT Construction Screws**

### **Tapcon® Concrete Screws**

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### **BUILDEX Self-Drilling Screws**

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### **Drywall Screws**

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### **Dektite® Pipe Flashing Systems**

DEKTITE® Pipe Flashing Systems	158 - 159
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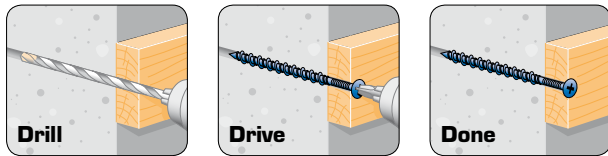
# Construction Screws

## SPIT TAPCON® (BLUE) Self-Tapping Concrete Screws

### CONCRETE



The original masonry fastening system that cuts its own thread into concrete, brick and block.



### Applications

#### M&E - FIXING ELECTRICAL ACCESSORIES:

- Saddles
- Back boxes
- Cable clips
- Conduit clips
- P clips
- Cable cleats

#### M&E - SERVICES:

- Ductwork
- Site barriers
- Temp safety rails
- Security fencing
- Cable trays, channel
- Suspended ceilings

#### TIMBER TO CONCRETE:

- Formwork
- Battens
- Base plates
- Plywood backer boards

#### METALWORK:

- Steel framing systems
- Railings, hand rails
- Brackets & signs
- Fire protection
- Insulation systems to masonry

### Features and Benefits

- Fast installation: Drill, Drive, Done
- Versatile: Slotted washered hex head version and Phillips flat head version available
- Available in 5mm & 6mm and in lengths from 32 - 125mm, to cover a wide number of applications
- Replaces small diameter expansion anchors, plugs and screws in light to medium duty applications
- No need to pre-spot holes, no inserts required
- Removable and adjustable
- Can be installed close to edges



### Approvals

- SBCCi Approved 9759
- Metro-Dade Approved 02-0311-03
- CBO Approved 3370

### Bag Packaging

Available in smaller quantities. Refer to page 138.

### Technical Specifications

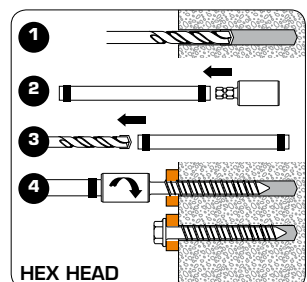
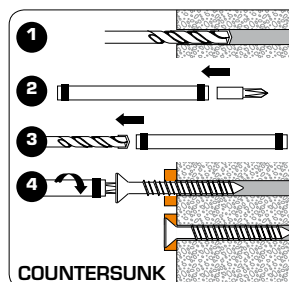
Finish:	Blue Climaseal
Diameter:	5mm or 6mm
Thread form:	Reversed Hi-Lo®
Point type:	Nail

CLIMASEAL

Kesternich Results (DIN 40018, 2.0L)  
= 30 Cycles - 10% or less red rust

Corrosion: Salt Spray results (ASTM B117)  
= 720 hours - 10% or less red rust

### Installation



### Substrates





## Self-Tapping Concrete Screws

### TAPCON® COUNTERSUNK



Code	Description	Hole Ø (mm)	Drive	Fixture Thickness (mm)	Anchor Length (mm)	Min Hole Depth (mm)	Min Embedment (mm)	Box Qty
921507	3F32	4	PH2	0 - 7	32	35	25	100
921508	3F45	4	PH2	5 - 20	45	35	25	100
921510	3F70	4	PH2	30 - 45	70	35	25	100
921511*	3F82	4	PH2	42 - 57	82	35	25	100
921514	4F45	5	PH3	5 - 20	45	35	25	100
921515	4F57	5	PH3	17 - 32	57	35	25	100
921516	4F70	5	PH3	30 - 45	70	35	25	100
921517	4F82	5	PH3	42 - 57	82	35	25	100
921518*	4F100	5	PH3	60 - 75	100	35	25	100
921519*	4F125	5	PH3	85 - 100	125	35	25	100

\*Drill bit in box.

### TAPCON® HEX HEAD



Code	Description	Hole Ø (mm)	Across Flats (A/F) (mm)	Fixture Thickness (mm)	Anchor Length (mm)	Min Hole Depth (mm)	Min Embedment (mm)	Box Qty
921498	3H32	4	6.5	0 - 7	32	35	25	100
921499	3H45	4	6.5	5 - 20	45	35	25	100
921500	3H57	4	6.5	17 - 32	57	35	25	100
921501	4H32	5	8	0 - 7	32	35	25	100
921502	4H45	5	8	5 - 20	45	35	25	100
921503	4H57	5	8	17 - 32	57	35	25	100
921504	4H70	5	8	30 - 45	70	35	25	100
921505	4H82	5	8	42 - 57	82	35	25	100
921506*	4H100	5	8	60 - 75	100	35	25	100

\*Drill bit in box.

### THREADED ROD HANGER FOR USE WITH TAPCON® PAN HEAD



Code	Description	Thread Ø	Box Qty
011431*	Threaded Rod Hanger Clip (TRH)	M8 - M10	100

\*Only use with mechanical fixings.

### Accessories

#### Accessories for Tapcon® Countersunk & Hex Head

Code	Description	Qty
921437	Condrive Sleeve for SDS	1
921160	Drill Drive Adaptor for Condrive Sleeve	1
921159*	Tapcon Condrive Drill Driver Installation Kit	1

\*Kit includes: Condrive Sleeve, Phillips Drive Adaptor, Phillips N° 2 Drive Bit, Phillips N° 3 Drive Bit, 6.5mm Hex Socket, 8mm Hex Sockets, Drill Bit Holder, Hex Key, 4 x 110mm Drill Bit and 5 x 110mm Drill Bit.

#### Accessories for Tapcon® Countersunk

Code	Description	Qty
921098	Phillips N° 2 Drive Bit	1
921099	Phillips N° 3 Drive Bit	1

#### Accessories for Tapcon® Hex Head

Code	Description	Qty
921162	6.5mm Hex Socket	1
921163	8mm Hex Socket	1
921557	6.5mm Magnetic Nut Setter (1/4" Hex Drive)	1
921469	8mm Magnetic Nut Setter (1/4" Hex Drive)	1

#### Drill Bits for Tapcon® Countersunk & Hex Head

Code	Description	Qty
921126	4.35 x 110mm Tapcon Drill Bit 32 - 70mm	1
921127	4.35 x 140mm Tapcon Drill Bit 82 - 100mm	1
921138	5.15 x 110mm Tapcon Drill Bit 32 - 70mm	1
921139	5.15 x 140mm Tapcon Drill Bit 82 - 100mm	1
921140	5.15 x 165mm Tapcon Drill Bit 125mm	1

#### SDS+ Drill Bits for use with Condrive Sleeve

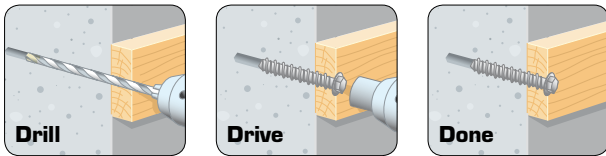
Code	Description	Qty
921137	SDS+ Hex 4.35 x 180mm Tapcon Drill Bit Up to 100mm	1
921154	SDS+ Hex 5.15 x 180mm Tapcon Drill Bit Up to 100mm	1

## SPIT LARGE DIAMETER TAPCON® LDT Self-Tapping Concrete Screws

### CONCRETE



High performance concrete anchor that cuts its own thread. Significantly reduces the installation time for service channel and bracketry, providing a secure fixing that can easily be removed.



### Applications

**ELECTRICIANS, PLUMBERS, M&E:**

- Channel, support system bracketry, HVAC

**CARPENTERS:**

- Timber battening to concrete, brick, blockwork, sole plates and joist hangers

**TEMPORARY SITE APPLICATIONS:**

- Guard rails across window voids, lift shafts, push/pull bars

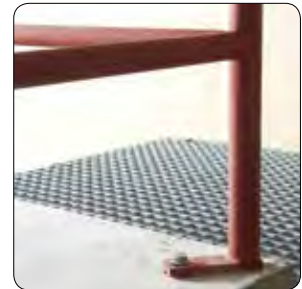
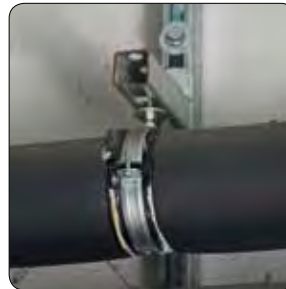
**STEEL ERECTORS:**

- Base plates, steel shutters, roller doors

**PALLET RACKING**

### Features and Benefits

- Smaller drill diameter than traditional anchors e.g. it requires a 8mm hole for a 10mm anchor
- Anchor is set as it is inserted: Saves time and reduces risk of incorrect setting
- No expansion stress: Can be installed close to edge or other anchors
- Wide range of sizes, from 40mm to 152mm: Range includes short lengths for avoiding rebar
- Head marking: Clearly indicate anchor length
- Anti-slip serrations: Located under head to grip part to be fixed
- Large Flange: No need for a separate washer
- Reversed Hi-Lo® thread form: High thread ensures maximum holding power with low profile, to aid spoil removal



### Approvals

LDT 7.5mm ONLY



ETA OPTION 1  
n° 11/0069



London Underground  
Approved for Use.  
Refer to page 5 & 174

### Bag Packaging

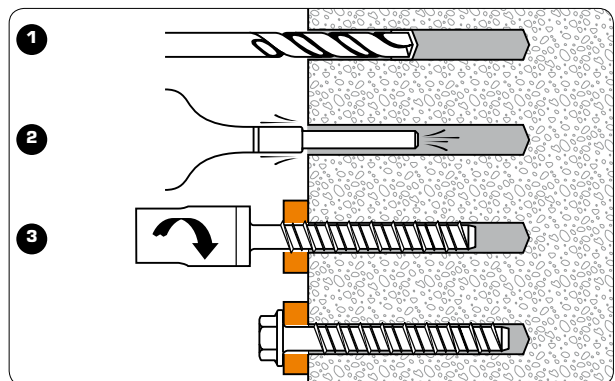
Available in smaller quantities.  
Refer to page 138.

### Technical Specifications

Finish:	Zinc coated steel: Min 5µm
Diameter:	7.5mm, 10mm, 12mm, 16mm
Thread form:	Reversed Hi-Lo®
Point type:	Chamfered Tip

ZINC

### Installation



### Substrates



## LDT Self-Tapping Concrete Screws

### TAPCON® LDT 7.5mm



Code	Thread Ø (mm)	Hole Ø (mm)	Across Flats [A/F] (mm)	Fixture Clearance Ø (mm)	Max Fixture Thickness (mm)	Anchor Length (mm)	Min Hole Depth (mm)	Min Embedment (mm)	Flange Ø (mm)	Box Qty
055653*	7.5	6	10	9	5	40	45	35	14	100
055654	7.5	6	10	9	5	60	65	55	14	100
016673	7.5	6	10	9	25	80	85	55	14	50
016674	7.5	6	10	9	45	100	105	55	14	50

\*Not ETA approved.

### TAPCON® LDT 10mm, 12mm, 16mm



Code	Thread Ø (mm)	Hole Ø (mm)	Across Flats [A/F] (mm)	Fixture Clearance Ø (mm)	Max Fixture Thickness (mm)	Anchor Length (mm)	Min Hole Depth (mm)	Min Embedment (mm)	Flange Ø (mm)	Box Qty
921372*	10	8	9/16"	12	7	45	48	38	20	50
921419*	10	8	9/16"	12	26	64	48	38	20	50
921373*	10	8	9/16"	12	38	76	48	38	20	50
921420*	10	8	9/16"	12	63	101	48	38	20	50
921421*	10	8	9/16"	12	90	128	48	38	20	50
921422*	12	11	3/4"	14	25	76	61	51	22	25
921423*	12	11	3/4"	14	50	101	61	51	22	25
921424*	12	11	3/4"	14	76	127	61	51	22	25
921425*	12	11	3/4"	14	101	152	61	51	22	25
923161*	16	13	13/16"	18	82	152	80	70	28	10

\*Not ETA approved.

## Accessories

### Accessories for Tapcon® LDT 7.5mm

Code	Description	Qty
921437	Condribe Sleeve for SDS	1
921846	10mm Hex Magnetic Nut Setter (1/4" Hex Drive) for 7.5mm LDT	1
923255	10mm Hex Impact Socket (1/2" Square Drive) for 7.5mm LDT	1
923260	5 Piece Socket Set: 10mm, 13mm, 17mm, 19mm, 24mm Hex Impact Sockets (1/2" Square Drive)	1
054237	Impact Wrench 1/4" Adaptor (38mm Long)	1
920940	SDS+ Hex 6mm x 180mm Tapcon Drill Bit	1

### Accessories for Tapcon® LDT 10mm, 12mm, 16mm

Code	Description	Qty
923305	9/16" Hex Impact Socket for 10mm LDT	1
923258	3/4" Hex Impact Socket for 12mm LDT	1
923262	13/16" Hex Impact Socket for 16mm LDT	1
921556	Socket Driver 12.5mm SDS for use with LDT Sockets	1



SDS+ Hex Drill Bit



Impact Wrench 1/4" Adaptor



Condribe Sleeve



1/2" Drive Hex Impact Sockets



12.5mm SDS Socket Driver



10mm Hex Magnetic Nut Setter

## SPIT TAPCON® ROD HANGER Self-Tapping Concrete Screws

CONCRETE



Designed specifically for overhead threaded rod applications, the self-tapping Rod Hanger offers a fast alternative to traditional drop-in anchors.



### Applications

#### ELECTRICAL:

- Basket trays
- Cable trays
- Trapezes
- Pre-assembled systems

#### PLUMBING:

- Gas
- Water
- Hydraulics

#### HVAC:

- Duct work
- Unit heaters
- A/C units

#### FIRE SYSTEMS:

- Sprinkler systems

### Features and Benefits

- 6mm drill diameter: Smaller than drop-in anchors and reduces drilling time
- Installs in less than half the time of drop-in anchors
- Shorter 35mm length version: Designed to minimise risk of hitting rebar
- 55mm length version available for higher loads
- Anchor is set as it is inserted: Saves time and reduced risk of incorrect setting
- Patented shark tooth thread: Less torque required to set the anchor and also provides a firmer fix once set



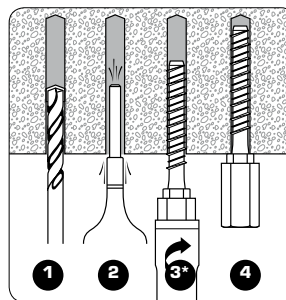
### Approvals



### Substrates



### Installation



\*No hammer action during screw installation

### Specifications

Finish:	Zinc coated Min 5µm
Diameter:	7.5mm
Thread form:	Shark Tooth*
Point type:	Chamfered Tip
Threaded rod:	M8 & M10

ZINC COATED STEEL

\*ITW patented technology

### Accessories

Code	Description	Qty
923256	13mm Hex Impact Socket (1/2" Square Drive)	1
923260	5 Piece Socket Set: 10mm, 13mm, 17mm, 19mm, 24mm Hex Impact Sockets (1/2" Square Drive)	1
054237	Impact Wrench 1/4" Adaptor (38mm Long)	1
920940	SDS+ Hex 6mm x 180mm Tapcon Drill Bit	1
921437	Condrive Sleeve for SDS	1
921847	13mm Hex Magnetic Nut Setter (1/4" Hex Drive)	1

## Self-Tapping Concrete Screws

### TAPCON® ROD HANGER



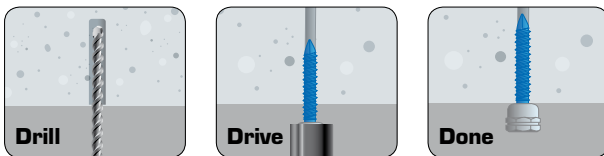
Code	Internal Thread Ø	Anchor Ø (mm)	Drill Ø (mm)	Min Hole Depth (mm)	Anchor Length (mm)	Max Fixture Thickness (mm)	Min Embedment (mm)	Hex Socket Size (mm)	Box Qty
016648	M8	7.5	6	43	35	2	33	13	50
016649	M10	7.5	6	43	35	2	33	13	50
016651	M10	7.5	6	43	55	22	50	13	50

## SPIT TAPCON® ROD HANGER ORIGINAL Self-Tapping Concrete Screws

CONCRETE



The original overhead threaded rod anchoring system, suitable for concrete based materials.



### Applications

#### ELECTRICAL:

- Basket trays
- Cable trays
- Trapezes
- Pre-assembled systems

#### FIRE SYSTEMS:

- Sprinkler systems

#### PLUMBING:

- Gas
- Water
- Hydraulics

#### HVAC:

- Duct work
- Unit heaters
- A/C units

### Features and Benefits

- 6.5mm drill diameter: Smaller than drop-in anchors and reduces drilling time
- Installs in less than half the time of drop-in anchors
- Anchor is set as it is inserted: Saves time and reduced risk of incorrect setting
- Maximised collar shape for increased resistance



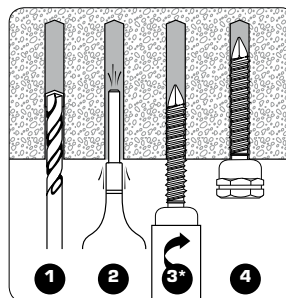
### Approvals



### Substrates



### Installation



\*No hammer action during screw installation

### Specifications

Finish:	Blue Climaseal
Diameter:	8mm
Thread form:	Reverse Hi-Lo®
Point type:	Nail
Threaded rod:	M8, M10

BLUE CLIMASEAL

### Accessories

Code	Description	Qty
921405	Rod Hanger Tapcon Universal Concrete Condrive Kit (Socket included)	1
921406	Rod Hanger Tapcon Vertical Installation Socket	1
921438	SDS+ Hex 6.5mm x 130mm Tapcon Drill Bit (For use with Condrive Sleeve)	1
921433	SDS+ Hex 6.5mm x 170mm Tapcon Drill Bit (For use with Condrive Sleeve)	1

Vertical Installation Socket



Universal Condrive Kit



## Self-Tapping Concrete Screws

### TAPCON® ROD HANGER (ORIGINAL)

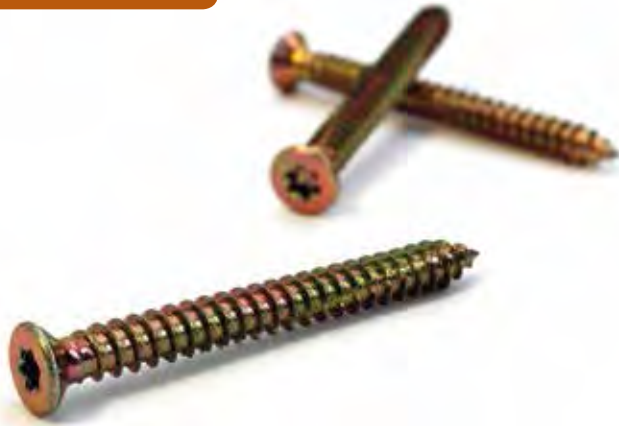
Code	Internal Thread Ø	Anchor Ø (mm)	Drill Ø (mm)	Anchor Length (mm)	Drilling Depth (mm)	Box Qty
921649	M8	8	6.5	44	54	25
921413	M10	8	6.5	44	54	25



# Construction Screws

## SPIT CONCRETE SCREWS Self-Tapping Frame Fixing Screws

### MASONRY



### Substrates



Heavy duty self-tapping screws ideal for fixing uPVC, wood and metal frames to concrete and masonry.

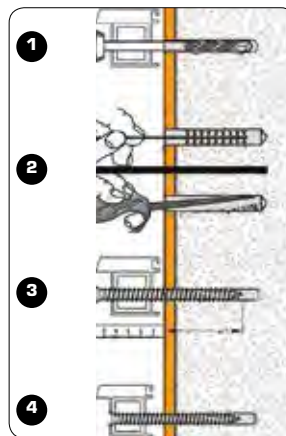
### Applications

- For quick and easy fixing of most common framework uPVC, wood & metal
- Windows
- Doors

### Features and Benefits

- Stress free spacer assembly screw for wood, metal and plastic window frames
- Self-tapping
- No deformation of window frame
- Fastening without wall plug
- Thread with cutting grooves provides for easy insertion of screw
- Screw with milling head for simple self-countersinking
- Specially suitable for wooden and plastic window frames
- Thread diameter 7.5mm
- TX30 drive reduces head camming

### Installation



### Specifications

Drive: TX30  
Diameter: 7.5mm

**GALV**

### Accessories

Code	Description	Pack Qty
922827*	TX30 Bits	10

\*Each pack includes a magnetic bit holder

## Self-Tapping Frame Fixing Screws

### CONCRETE SCREWS



Code	Description	Drill Ø (mm)	Anchor Length (mm)	Box Qty
153080	7.5 x 52mm Frame Screw	7.5	52	100
153082	7.5 x 72mm Frame Screw	7.5	72	100
153083	7.5 x 92mm Frame Screw	7.5	92	100
153084	7.5 x 112mm Frame Screw	7.5	112	100
153085	7.5 x 132mm Frame Screw	7.5	132	100
153086	7.5 x 152mm Frame Screw	7.5	152	100
153087	7.5 x 182mm Frame Screw	7.5	182	100



# CLEAR CHOICE

FIXING SELECTION MADE SIMPLE

The NEW **SPIT CLEAR CHOICE** boxes are designed to make life easier, both for the distributor and the end user.

For the distributor it offers a much improved display option.

For the end user it improves the buying experience with a fully detailed labelling system.



SPIT  
Mechanical Anchors

## SPIT BUILD EX TEKS Self-Drilling Steel Screws



The original self-drilling, self-tapping screw for fastening various materials to steel. Tek screws drill, tap and fasten in-one operation.

### Applications

- Steel framing systems
- Brick ties
- Bracketry to steel
- Flashing
- Composite panels
- Wind posts

### Features and Benefits

- No hole alignment issues
- High clamping action
- Eliminates the need for costly drill bits and threading tools
- The integral washer on Maxiseal prevents water ingress and reduces bi-metallic corrosion
- High thread on Maxiseal MXHT supports the outer sheet of composite panels
- Maximum pullover performance
- Excellent driving stability
- Point to thread design maximises pullout performance
- Non-walking point provides fast material engagement
- Seals when driven at an angle - Maxiseal 1 - 2°
- Sharp convex drill point has precise cutting edges to improve drill performance with less effort
- Climaseal finish provides excellent corrosion resistance and lower tapping torque



### Substrates



### Accessories

Code	Description	Qty
921557	Magnetic Nut Setter Hex 6.5mm (1/4" Hex Drive)	1
921469	Magnetic Nut Setter Hex 8.0mm (1/4" Hex Drive)	1
921100	PSD 2-2 Square Drive Bit (to suit CFC26)	1
921098	Phillips N° 2 Bit	1
921099	Phillips N° 3 Bit	1



## Self-Drilling Steel Screws

### TEKS SCREWS For General Components to Steel



Code	Description	Head Style	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Effective Thread Length (mm)	Box Qty
921185	PH14	Pan Head	4.8	14	0.9 - 3.0	4	200
920026	TC13	5/16" AF HEX	4.8	13	0.9 - 3.0	4	500
920027	TC16	5/16" AF HEX	4.8	16	0.9 - 3.0	6	500
920028	TC25	5/16" AF HEX	5.5	25	0.9 - 5.0	8	500
920126	TC50	5/16" AF HEX	5.5	50	0.9 - 5.0	42	100
920127	TC62	5/16" AF HEX	5.5	62	0.9 - 5.0	51	200
921199	TC75	5/16" AF HEX	5.5	75	0.9 - 5.0	65	100
920125	TC100	5/16" AF HEX	5.5	100	0.9 - 5.0	90	50
921202	TL32	5/16" AF HEX	5.5	32	4.0 - 12.5	12	200
921203	TL38	5/16" AF HEX	5.5	38	4.0 - 12.5	18	200
920128	TL50	5/16" AF HEX	5.5	50	4.0 - 12.5	30	200
921205	TS20	5/16" AF HEX	4.8	20	0.5 - 1.2	5	200

### TEKS SCREWS For Standing Seam & Clip Fixing Systems



Code	Description	Head Style	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Drive Type	Box Qty
921259	CFC16	Low Profile	4.8	16	0.9 - 3.0	P2	200
921165	CFC24	Pancake	4.8	25	0.9 - 3.0	P2	250
921166*	CFC26	Pancake	5.5	25	0.9 - 5.0	2PSD	250
921260	CFL32	Low Profile	5.5	32	4.0 - 12.5	P3	500
921167	CFW26	Pancake	4.8	25	23mm timber emb.	P2	500

\*PSD2 drive bit 921100.

### MAXISEAL COMPOSITE PANEL SCREW



Code	Description	Head Style	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Build-up Range	Box Qty
921551	MXHT80	5/16" HEX H/D	5.5	80	1.2 - 5.0	40 - 60	200

### MAXISEAL STITCHING SCREW



Code	Description	Head Style	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Box Qty
921262	MXS16	5/16" HEX H/D	4.8	16	2 sheets of 0.7 - 1.2	500
921277	MXS25	5/16" HEX H/D	6.0	25	2 sheets of 0.5 - 0.9	100

### MAXISEAL FOR CLADDING



Code	Description	Head Style	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Box Qty
921183	MXL38	5/16" HEX H/D	5.5	38	4.0 - 12.5 Heavy Gauge	200
920023	MXC26	5/16" HEX H/D	5.5	26	1.2 - 5.0 Light Gauge	250
920024	MXC32	5/16" HEX H/D	5.5	32	1.2 - 5.0 Light Gauge	250

### WASHERS & TONEX COLOUR CAPS



Code	Description	Box Qty
921286	16SS - 16mm Ø Stainless Steel Washer	500
921287	19SS - 19mm Ø Stainless Steel Washer	500
922909	Hex Head Tonex Cover Caps - Goosewing Grey	100

## SPIT BUILDEX TIMBERFIX TEKS Self-Drilling Screws



**TimberFix Tek**s drill, tap and fasten in one operation - The original self drilling, self tapping screw to fasten timber to steel.

### Applications

- Timber frame erection
- Wall plate
- Roofing
- Floor boarding
- Joists
- Metal construction

### Features and Benefits

- TimberFix Tek screws drill, tap and fasten in one operation
- No hole alignment issues
- High clamping action
- Eliminates the need for costly drill bits and threading tools
- Excellent driving stability
- Point to thread design maximises pullout performance
- Non-walking point provides fast material engagement
- Sharp convex drill point has precise cutting edges to improve drill performance with less effort
- Climaseal finish provides excellent corrosion resistance and lower tapping torque



### Substrates



### Specification

TimberFix Tek screws fasten timber, plywood, chipboard and similar materials to metal. The wings ream a clearance hole in the wood to prevent thread engagement and jacking. The Tek point drills the steel, the wings break off enabling the threads to engage and the fastener to clamp the wood firmly to the steel.

TimberFix must penetrate through the steel to expose at least two full threads. TimberFix wings must be driven into a minimum of 1.5mm steel thickness to allow wings to break consistently.

## Self-Drilling Screws

### TFC TIMBERFIX For Applications to Steel



TFC Wafer



TFC CSK Ribbed

Code	Description	Head Style	Diameter (mm)	Length (mm)	Timber Thickness (mm)	Steel Thickness (mm)	Box Qty
921200	TFC36	P2 Wafer	4.8	36	6 - 20	1.5 - 3.0	100
921294	TFC38	P2 CSK Ribbed	4.8	38	6 - 20	1.5 - 3.0	100
921295	TFC45	P2 CSK Ribbed	4.8	45	10 - 27	1.5 - 3.0	100
921296	TFC50	P2 CSK Ribbed	5.5	50	13 - 30	1.5 - 5.0	100
921297	TFC61	P2 CSK Ribbed	5.5	61	13 - 40	1.5 - 5.0	100
921298	TFC80	P3 Wafer	5.5	80	25 - 60	1.5 - 5.0	100
921292	TFC100	P3 Wafer	5.5	100	45 - 80	1.5 - 5.0	100
921293	TFC120	P3 Wafer	5.5	120	40 - 100	1.5 - 5.0	100

### TFM TIMBERFIX For Applications to Steel



TFM

Code	Description	Head Style	Diameter (mm)	Length (mm)	Timber Thickness (mm)	Steel Thickness (mm)	Box Qty
920029	TFM57	P3 CSK	5.5	57	18 - 34	3.0 - 6.0	250
920030	TFM70	P3 CSK	5.5	70	18 - 40	3.0 - 6.0	250
920031	TFM75	P3 CSK	6.3	75	18 - 50	3.0 - 6.0	200

### TFL TIMBERFIX For Applications to Steel



TFL

Code	Description	Head Style	Diameter (mm)	Length (mm)	Timber Thickness (mm)	Steel Thickness (mm)	Box Qty
921300	TFL42	P3 CSK	5.5	42	10 - 13	4.0 - 12.0	100
921650	TFL85	P3 CSK	5.5	85	13 - 49	4.0 - 12.0	100
921651	TFL110	P3 CSK	5.5	110	45 - 75	4.0 - 12.0	100

### CEMENT PARTIAL BOARD FASTENERS For Applications to Steel and Timber



RKC



RKW

Code	Description	Diameter (mm)	Length (mm)	Steel Thickness (mm)	Material Thickness To Steel (mm)	Material Thickness To Timber (mm)	Box Qty
920033	RKW41 Hi-Lo™ Rock-on	4.5	41	0.5 - 0.9	10 - 35	10 - 28	500
920034	RKC41 S12 Rock-on	4.0	41	0.9 - 2.6	10 - 31	-	500

## SPIT BUILDDEX ROOFGRIP Self-Drilling Screws



### Substrates



### Approvals



**Drill, tap and fasten in one operation - For attaching insulation and single ply membrane to standard steel decking and concrete.**

### Applications

- Attaching insulation and single ply membrane to standard steel decking and concrete
- Protected roofing applications

### Features and Benefits

- 5.5mm and 6.3mm diameter, high shear and tensile strength
- Self drilling 'S' point: For thin sheet metal
- Modified buttress thread: High pull-out resistance, reduced risk of stripping thread
- Low profile head reduces damage to underside of membrane
- Phillips No. 3 recess: Positive and safe drive system
- Black spex coating: High corrosion resistance
- Stress plates available
- Heavy duty version available for fixing to concrete

### Specification

- Single ply membrane and insulation to steel decking 0.7mm to 1.2mm thickness
- For timber use RG in minimum 19mm thickness plywood to penetrate through decking by at least 15mm. In thicker timber ensure a minimum embedment of 38mm
- Available with special washer to provide maximum clamping and pullover performance
- High resistance to unwinding action caused by wind force

### Heavy Duty ONLY

For concrete decking, drill a 5mm diameter pilot hole into concrete to provide a minimum embedment of 32mm. The tapping hole must be a minimum of 15mm deeper than the actual length of the screw.

## Self-Drilling Screws

### ROOFGRIP SCREWS - 5.5mm Ø, Black SPEX Finish For insulation to steel and timber



Code	Description	Head Style	Diameter (mm)	Length (mm)	Min Build-up (mm)	Max Build-up (mm)	Box Qty
921191	RG41	Oval	5.5	41	13	26	200
921192	RG57	Oval	5.5	57	13	42	200
921187	RG126	Oval	5.5	126	58	111	100
921188	RG151	Oval	5.5	151	83	136	100
921189	RG177	Oval	5.5	177	83	162	100
921190	RG202	Oval	5.5	202	108	187	100

### HEAVY DUTY ROOFGRIP (HRG) - 6.3mm Ø, Grey SPEX Finish For insulation to steel, timber and concrete



Code	Description	Head Style	Diameter (mm)	Length (mm)	Min Build-up (mm)	Max Build-up (mm)	Box Qty
921178	HRG51	Oval	6.3	51	19	36	200
921179	HRG76	Oval	6.3	76	44	61	200
921168	HRG100	Oval	6.3	100	68	85	200
921169	HRG127	Oval	6.3	127	95	112	100
921170	HRG152	Oval	6.3	152	120	137	100
921171	HRG176	Oval	6.3	176	144	161	100
921172	HRG200	Oval	6.3	200	168	185	100

### STRESS PLATE



Code	Description	Box Qty
921198	SP50 - 50mm Round Ribbed Galvalume Metal	100
921206	SP75 - 75mm Round Ribbed Galvalume Metal	100

### POLYPROP WASHER



Code	Description	Box Qty
98895	50mm OD Polyprop Washer	1,000

## SPIT DRYWALL SCREWS

### Collated



ONLY SOLD  
IN CARTON  
QUANTITIES



**SPIT Collated Drywall Screws are compatible with all leading power tool manufacturers including the SPIT 218 Drywall Screwdriver.**

#### Features and Benefits

- High quality CE approved product
- The collated belt is compatible with all leading power tools brands
- Made from C1022 Steel
- 25° sharp point: Designed to pierce thin gauge channel up to 0.70mm
- Strong solid barcoded box ideal for site work
- Bugle head provides a stronger hold on drywall and composite materials

## Drywall Screws - Collated

### Phillips Bugle Head, Coarse Thread, Sharp Point, Black Phosphate Plated



- Surface hardened to minimum 450HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° coarse thread - fully threaded

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923057	3.5 x 25	P2	1,000	10,000
923058	3.5 x 32	P2	1,000	10,000
923059	3.5 x 35	P2	1,000	10,000
923060	3.5 x 38	P2	1,000	10,000
923061	3.5 x 45	P2	1,000	8,000
923062	3.5 x 50	P2	1,000	8,000
923063	3.5 x 55	P2	1,000	8,000

### Phillips Bugle Head, Fine Thread, Sharp Point, Bright Zinc Plated



- Surface hardened up to 650HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° fine thread - fully threaded up to 60mm, partially thereafter

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923084	3.5 x 25	P2	1,000	10,000
923085	3.5 x 32	P2	1,000	10,000
923086	3.5 x 35	P2	1,000	10,000
923087	3.5 x 38	P2	1,000	10,000
923088	3.5 x 42	P2	1,000	8,000
923089	3.5 x 45	P2	1,000	8,000
923090	3.5 x 50	P2	1,000	8,000
923091	3.5 x 55	P2	1,000	8,000
923092	3.9 x 75	P2	800	6,400

### Phillips Bugle Head, Fine Thread, Sharp Point, Black Phosphate Plated



- Surface hardened up to 650HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° fine thread - fully threaded

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923077	3.5 x 25	P2	1,000	10,000
923078	3.5 x 32	P2	1,000	10,000
923079	3.5 x 35	P2	1,000	10,000
923080	3.5 x 42	P2	1,000	10,000
923081	3.5 x 45	P2	1,000	8,000
923082	3.5 x 50	P2	1,000	8,000
923083	3.5 x 55	P2	1,000	8,000

### Phillips Bugle Head, Coarse Thread, Sharp Point, Bright Zinc Plated



- Surface hardened to minimum 450HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° coarse thread - fully threaded

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923064	3.5 x 35	P2	1,000	10,000
923066	3.5 x 55	P2	1,000	8,000

## SPIT DRYWALL SCREWS

### Loose



**SPIT Loose Drywall Screws are twin threaded, CE approved and made from high quality C1022 steel.**

### Drywall Screws - Loose

#### Phillips Bugle Head, Coarse Thread, Sharp Point, Black Phosphate Plated



- Surface hardened to minimum 450HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° coarse thread - fully threaded

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923093	3.5 x 25	P2	1,000	12,000
923094	3.5 x 32	P2	1,000	12,000
923095	3.5 x 38	P2	1,000	12,000
923096	3.5 x 42	P2	1,000	12,000

#### Phillips Bugle Head, Coarse Thread, Sharp Point, Bright Zinc Plated



- Surface hardened to minimum 450HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° coarse thread - fully threaded up to 60mm, partially thereafter

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923097	3.5 x 32	P2	1,000	12,000
923098	3.5 x 38	P2	1,000	12,000
923099	3.5 x 42	P2	1,000	12,000
923100	3.5 x 50	P2	500	6,000
923101	3.5 x 75	P2	500	4,000

#### Phillips Bugle Head, Self-Drilling, Sharp Point, Bright Zinc Plated



- Surface hardened to minimum 560HV to prevent head shear and core hardened up to 425HV for greater flexibility
- 60° fine thread - fully threaded up to 60mm, partially thereafter

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923105	3.5 x 25	P2	1,000	12,000
923106	3.5 x 32	P2	1,000	12,000
923107	3.5 x 38	P2	1,000	8,000
923108	3.5 x 42	P2	1,000	8,000
923109	3.5 x 50	P2	500	6,000
923110	4.2 x 65	P2	500	4,000
923111	4.2 x 75	P2	500	4,000



**ONLY SOLD IN CARTON QUANTITIES**



### Features and Benefits

- High quality CE approved product
- Made from C1022 Steel
- 25° sharp point - designed to pierce thin gauge channel up to 0.70mm
- Self-drilling point - designed to pierce thin gauge channel up to 2.5mm
- Strong solid barcoded box ideal for site work
- Bugle head provides a stronger hold on drywall and composite materials

#### Phillips Bugle Head, Fine Thread, Sharp Point, Black Phosphate Plated



- Surface hardened to minimum 650HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° fine thread - fully threaded up to 60mm, partially thereafter

Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923138	3.5 x 25	P2	1,000	12,000
923139	3.5 x 32	P2	1,000	12,000
923140	3.5 x 38	P2	1,000	12,000
923141	3.5 x 42	P2	1,000	12,000
923142	3.5 x 50	P2	500	6,000
923143	3.5 x 60	P2	500	6,000
923144	3.5 x 65	P2	500	4,000
923145	3.5 x 75	P2	500	4,000
923146	4.8 x 90	P2	250	1,500

#### Phillips Bugle Head, Fine Thread, Sharp Point, Bright Zinc Plated



- Surface hardened to minimum 650HV to prevent head shear and core hardened up to 450HV for greater flexibility
- 60° fine thread - fully threaded up to 60mm, partially thereafter

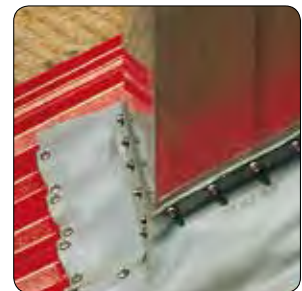
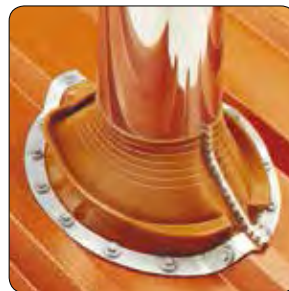
Code	Ø x Length (mm)	Drive	Box Qty	Carton Qty
923067	3.5 x 25	P2	1,000	12,000
923068	3.5 x 32	P2	1,000	12,000
923069	3.5 x 38	P2	1,000	12,000
923070	3.5 x 42	P2	1,000	12,000
923071	3.5 x 50	P2	500	6,000
923072	3.5 x 60	P2	500	6,000
923073	3.5 x 65	P2	500	4,000
923074	3.5 x 75	P2	500	4,000
923075	4.8 x 90	P2	250	1,500

## SPIT DEKTITE®

### Pipe Flashing Systems



One piece rubber flashing to accommodate the flashing of various pipe and flue materials to a range of flat or profiled roof and wall sheets.



#### Applications

- Plumbing, heating & air conditioning pipes & flues
- Ventilation pipes & ducts
- Electrical services
- Dust extraction plant
- Marine applications
- Solar panel systems

#### Features and Benefits

- Resilient flexible sleeve: Dektite® provides a close watertight compression fit around the pipe and a permanent seal at the base, eliminating costly call backs
- Pleated design: Accommodates various roof pitches and relieves stress at the pipe connection
- Unique annular rings: Provide a key beneath base for silicone sealant
- Flexible aluminium base: Easily shaped by hand to suit a wide range of profile designs
- Corrosion resistant: Made from EPDM or silicone rubber and aluminium, which is non-corrosive
- Red EPDM rubber option: Suits high temperature applications up to 200°C
- Cutting guides on sleeve: Ensures correct compression seal around the pipe

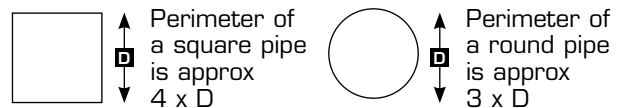
#### Installation

Generally no sealant is required around the pipe where the Dektite® collar provides compression fit. However some metal pipes and flues include a seam, which may require a local application of silicone sealant at the point where the Dektite® collar crosses the seam.

Dektite® cone diameter to seal pipe should be minimum 25mm smaller than the pipe outside diameter. This will give approximately 20mm width of flashing material in contact with the pipe surface.

#### Using Dektite® on Square Pipes

Dektite® pipe flashing may also be suitable for use on square pipes but care should be taken when choosing the size. The following example can be used as a guide:



If  $D = 100\text{mm}$ , then the perimeter of the square pipe =  $400\text{mm}$ , and the perimeter of the round pipe =  $300\text{mm}$ . So the square to round ratio is approx. 4:3 (or multiply by 3).

Example: If one side of the square pipe measures  $100\text{mm}$ , multiply this by 1.3 which equals  $130\text{mm}$ . Then look up Dektite® from the table to suit  $130\text{mm}$  round pipe: 921216 or 921230.

It may be necessary to apply a silicone sealant to the top of the pipe flashing if any gaps are evident.



## Pipe Flashing Systems

### ROUND BASE PIPE FLASHING SYSTEM EPDM Grey - Max Temperature 115°C

For standard applications including plumbing, HVAC and dust extraction.



Accommodates from 5mm diameter cables up to 480mm pipes and flues. 1 x FX901 Fixing Kit required per flashing.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Deep Ribbed Profile <40mm Depth Outside Pipe Ø (mm)	Box Qty
921210	120	5 - 65	5 - 55	1
921212	160	50 - 75	50 - 65	1
921214	195	5 - 120	5 - 110	1
921216	235	75 - 160	75 - 135	1
921218	275	115 - 195	115 - 170	1
921220	325	125 - 230	125 - 195	1
921222	370	150 - 275	150 - 225	1
921224	420	175 - 325	175 - 270	1
921226*	650	250 - 480	250 - 420	1

\*2 x FX901 Fixing Kits are required per flashing.  
For roofs with a pitch over 20° please choose the next size up.

### SOAKER PIPE FLASHING SYSTEM EPDM Grey - Max Temperature 115°C

Eliminates damming effect on shallow pitch roofs.

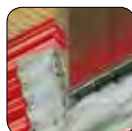


Soaker improves water run-off on deep ribbed profiles.  
1 x FX902 Fixing Kit required per flashing.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Box Qty
921236	410 x 360	75 - 155	1
921237	485 x 460	114 - 254	1

### STRIPFLASH PIPE FLASHING SYSTEM EPDM Grey - Max Temperature 115°C

Supplied in 10m rolls for 'problem' applications such as parapets, expansion joints & large ducting.



The Stripflash edge contains an expanding aluminium strip totally encased by EPDM that can stretch up to 25%. This allows the flashing to be dressed to conform to all profiles. 1 x FX901 Fixing Kit required.

Code	Base Ø (mm)	Box Qty
921244	10m (L) x 230 (W)	1

#### Fixing Kits

The high grade silicone sealant included in the fixing kits remain flexible throughout the life of the flashing. It is an adhesive as well as a sealant and will remain serviceable to the same extremes of temperatures as the Dektite® flashing range.



#### Fixing Kit FX901 Code: 921271

Kit Includes:  
1 x 78gm silicone sealant  
1 x drill bit  
12 x washered fasteners  
12 x plastic caps  
1 x lubricant

#### Fixing Kit FX902 for Soaker Dektite® ONLY Code: 921273

Kit Includes:  
3 x 78gm silicone sealant  
1 x drill bit  
30 x washered fasteners  
30 x plastic caps  
1 x lubricant

### ROUND BASE PIPE FLASHING SYSTEM Silicone Red - Max Temperature 200°C

For standard applications including plumbing, HVAC and dust extraction.



Accommodates from 5mm diameter cables up to 480mm pipes and flues. 1 x FX901 Fixing Kit required per flashing.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Deep Ribbed Profile <40mm Depth Outside Pipe Ø (mm)	Box Qty
921229	195	5 - 120	5 - 110	1
921230	235	75 - 160	75 - 135	1
921231	275	115 - 195	115 - 170	1
921232	325	125 - 230	125 - 195	1
921233	370	150 - 275	150 - 225	1
921234	420	175 - 325	175 - 270	1
921235*	650	250 - 480	250 - 420	1

\*2 x FX901 Fixing Kits are required per flashing.  
For roofs with a pitch over 20° please choose the next size up.

### SOAKER PIPE FLASHING SYSTEM Silicone Red - Max Temperature 200°C

Eliminates damming effect on shallow pitch roofs.



Soaker improves water run-off on deep ribbed profiles.  
1 x FX902 Fixing Kit required per flashing.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Box Qty
921240	410 x 360	75 - 155	1
921241	485 x 460	114 - 254	1

For roofs with a pitch over 20° please choose the next size up.

### RETROFIT PIPE FLASHING SYSTEM EPDM Grey - Max Temperature 115°C

For use in awkward applications or for repairing around failed flashings.



Incorporates special stainless steel closure feature providing a watertight seal and maximum corrosion resistance. 1 x FX901 Fixing Kit required per flashing.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Deep Ribbed Profile <40mm Depth Outside Pipe Ø (mm)	Box Qty
921245	160	20 - 70	20 - 60	1
921246	275	50 - 190	50 - 160	1
921247	370	85 - 255	85 - 215	1

For roofs with a pitch over 20° please choose the next size up.

### MINI PIPE FLASHING SYSTEM EPDM Grey - Max Temperature 115°C

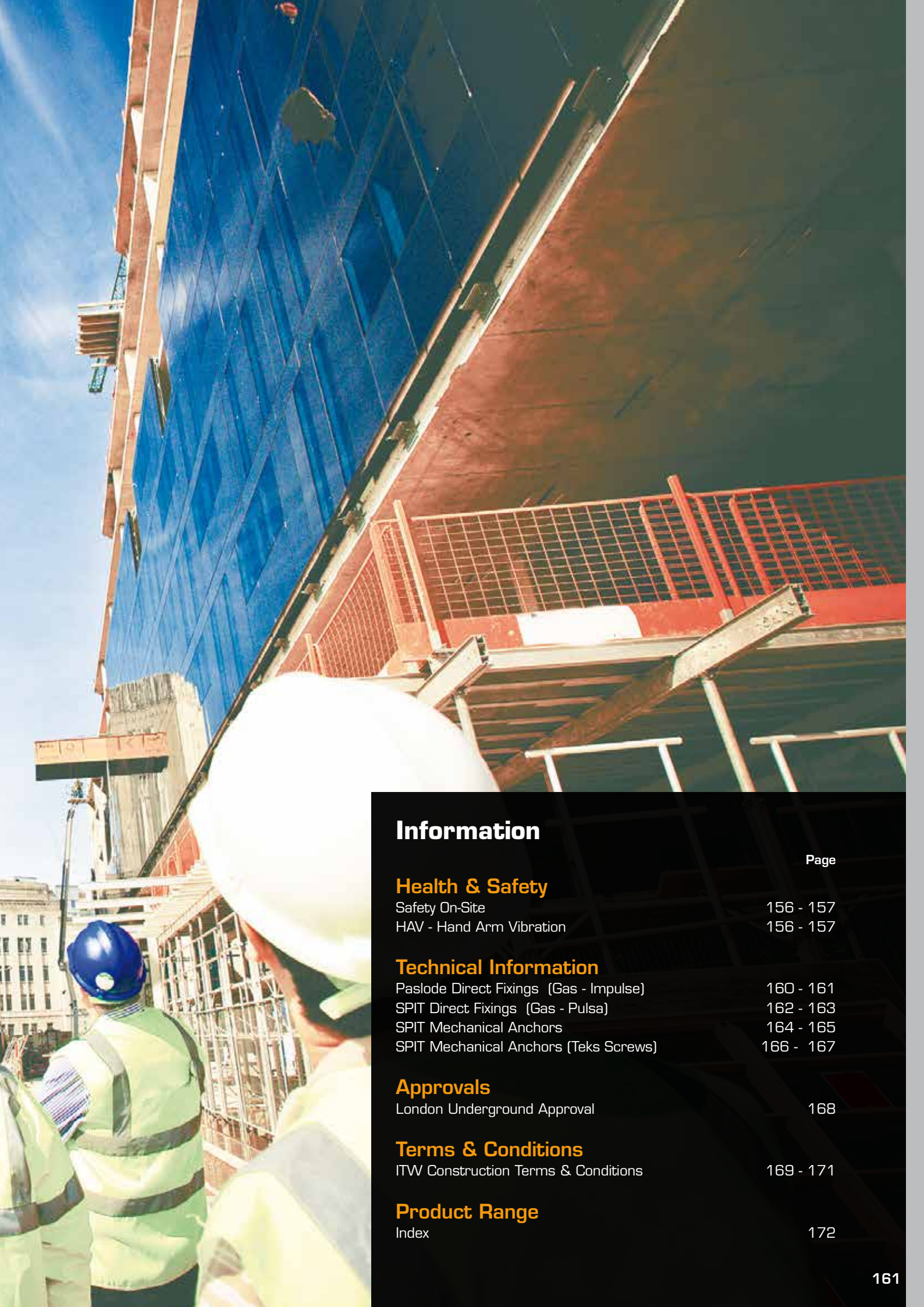
Specially designed to provide a watertight seal for conduit, cables and pipes up to 35mm.



Essential for electrical, I.T and refrigeration applications.  
1 x FX901 Fixing Kit required per 3 x flashings.

Code	Base Ø (mm)	Flat or Profile Sheet up to 40mm Depth Outside Pipe Ø (mm)	Box Qty
921208	92	0 - 35	1





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**There are certain benefits ITW Construction Products can offer as the system manufacturer of Paslode and SPIT gas technology fastening systems:**

## Training Certificates

ITW offers Paslode and SPIT training and certification in the safe use and operation of our fastening systems.

Non-specified parts or consumables have not been tested by ITW and are not guaranteed by ITW as being safe or as meeting relevant EU standards.

**If a person uses non-specified parts or consumables they will invalidate their ITW Training Certificate, as ITW has not specified the part as safe to use.**



## Liability

**Using ITW fastening systems with ITW fasteners and fuel cells, you will receive the full back-up offered by ITW.**

If unspecified parts or consumables are used in power fastening tools and if they lead to a malfunction or an accident, the user, the user's employer and the manufacturer of the unspecified parts may be liable for any harm or damage caused.

**ITW can not be held liable for harm or damage caused by the use of unspecified parts or consumables.**

## Warranties

**ITW guarantees all Paslode and SPIT genuine parts or consumables used in conjunction with our fastening systems.**

Non-specified parts or consumables have not been tested by ITW and are not guaranteed by ITW as being safe or as meeting relevant EU standards.

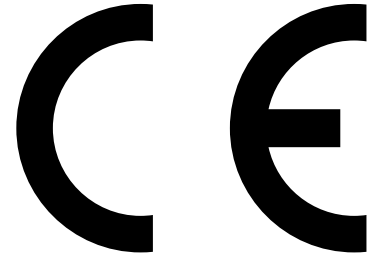
**Our warranties do not cover damage, operator mis-use or malfunction caused by non-specified parts or consumables.**



## CE Mark

CE marking applies to all construction products with a HEN (harmonised European norm). The norms are then recognised by EN codes. These set out parameters of regulation in terms of dimension, material grade, and performance and corrosion protection. All products compliant with CE marking must have the CE sign clearly displayed on the box

It is illegal for anyone (including ITW) to sell Paslode or SPIT fastening tools in Europe without the CE Mark.



## European Standard BS EN 792-13

European Standard BS EN 792-13 set by independent authorities defines the safe use of fastening systems.

The British and European Standard BS EN792-13. 'Hand-held non-electric power tools – Safety requirements Part 13: Fastener driving tools':

### BS EN 792-13. Item 7.2.1 a

Only those fasteners listed in the operating instructions may be used in the driving tools.

### BS EN 792-13. Item 7.2.1 b

Only the main energy and the lubricants listed in the operating instructions may be used.

### BS EN 792-13. Item 7.2.5 a

Fastener driving tools operated by internal combustion shall only be used with dispensers for combustible gas which are listed in the operating instructions.



The European Standard EN 792-13:2000 has the status of a British Standard. EN792-13 only refers to pneumatic and gas fastening systems, it does not refer to cartridge or PAT fastening technology.

## Safe Nailing Systems

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For safe operation of PASLODE and SPIT tools, use only those fuel cells and fasteners identified in the operating manual.



# HAV - Hand Arm Vibration

**Hand Arm Vibration (HAV)** is vibration transmitted from work processes into workers' hands and arms. It can be caused by operating hand-held power tools or by holding materials being processed by machines such as pedestal grinders.

The injuries / symptoms include:

- Painful finger blanching attacks (triggered by cold or wet conditions)
- Loss of sense of touch and temperature
- Numbness and tingling
- Loss of grip / strength
- Loss of manual dexterity

The HSE estimates that there are around 36,000 people with an advanced stage of vibration white finger (VWF), which is the most well known form of hand-arm vibration syndrome. VWF is also one of the most common reasons for occupational ill health claims made against employers.



## When is it hazardous?

Regular and frequent exposure to high levels of vibration can lead to permanent injury. This is most likely when contact with a vibrating tool or process is a regular part of a person's job. Occasional exposure is unlikely to cause injury.

## How can tool and machine manufacturers help?

Equipment manufacturers are generally trying to improve the vibration performance of their products, so new tools and machines are likely to emit lower vibration than older equipment. You will gain the maximum benefit from these improvements if you introduce a policy of buying the most suitable equipment when you replace tools or machines.

For most types of equipment, manufacturers are required by law to:

- Design and construct equipment, which will cause the minimum risk of vibration injury.
- Provide you with warning of any residual risks from vibration.
- Provide you with information on vibration levels.
- Provide you with instructions on how to use the equipment to avoid risks from vibration.

Vibration levels are identified in units of metres per second squared ( $m/s^2$ ).

## What does the law require you to do about the risks

Health and Safety law requires you to do a number of things to protect your employees. You should:

- Assess the risk to the health of your employees and plan for its control. Manage the risk.
- Provide suitable equipment for your employees.
- Give your employees information and training on health risks and safe use of the equipment.
- Provide health surveillance of your employees where risks cannot be completely eliminated.
- Maintain equipment correctly.
- Provide reports to the relevant enforcing authority on cases of HAV syndrome in your workforce.
- Consult your safety or employee representative on your proposals to deal with vibration hazards.

## What can I do to control the risk?

There are many things you can do, some of which may cost very little and could also improve productivity and product quality:

- Look for alternative ways of working which may eliminate the vibrating equipment altogether. **For example using Pulsa instead of drilling.**
- Minimise the time individuals use the equipment (e.g. faster more efficient equipment, job rotation). **The Pulsa is the fastest way to install cable management and wiring accessories.**
- Make sure your employees use the most appropriate equipment for each job. Aim to buy the lowest vibration equipment suitable for the job.
- Maintain tools to the manufacturer's specifications to avoid increasing vibration. For example: Replace vibration mounts before they are worn out. Ensure rotating parts are checked for balance and replace them if necessary.

Get advice from the equipment manufacturer on safe use of the equipment. Introduce a purchasing policy specifying low vibration performance for new equipment.

## Exposure action value (EAV) and exposure limit value (ELV)

### What is exposure action value?

The exposure action value (EAV) is a daily amount of vibration exposure above which employers are required to take action to control exposure. The greater the exposure level, the greater the risk and the more action employers will need to take to reduce the risk. For hand-arm vibration the EAV is a daily exposure of  $2.5 \text{ m/s}^2 \text{ A(8)}$ . Vibration levels are identified in units of metres per second squared ( $\text{m/s}^2$ ).

### What is exposure limit value?

The exposure limit value (ELV) is the maximum amount of vibration an employee may be exposed to on any single day. For hand-arm vibration the ELV is a daily exposure of  $5 \text{ m/s}^2 \text{ A(8)}$ . It represents a high risk above which employees should not be exposed

## Action & limit values

Under the regulations action & limit values for hand-arm and whole-body vibration are introduced.

**Exposure Action Value (EAV) =  $2.5 \text{ m/s}^2 \text{ A(8)}$ :**

**Level at which employers should introduce technical and organisational measures to reduce exposure.**

**Exposure Limit Value (ELV) =  $5.0 \text{ m/s}^2 \text{ A(8)}$ :**

**Level should not be exceeded.**

The vibration levels of a number of Paslode and SPIT tools have been independently tested by the Off-Highway Plant & Equipment Research Centre (OPERC) and published on the HAVTEC (Hand Arm Vibration Test Centre) register. The table below shows a summary of these results indicating the number of fixings that can be made before reaching the EAV and the ELV.

For more information on vibration levels of tools in the Paslode and SPIT range please contact the technical helpdesk or go to [www.operc.com/havtec](http://www.operc.com/havtec).

# Paslode Direct Fixings (Gas - Impulse)

## NAILS

### Eurocode 5 Service Class Spec - NAILS

Service Class 1 INDOORS	Service Class 2 INDOORS NOT HEATED, OUTDOORS PROTECTED	Service Class 3 OUTDOORS, EXPOSED TO WEATHER
BRIGHT		
ELECTRO GALV $\geq 12\mu\text{m}$ and GALV-PLUS <sup>®</sup> $\geq 15\mu\text{m}$		
HOT DIPPED GALVANISED $\geq 55\mu\text{m}$		
STAINLESS STEEL - A2 (AISI 304)		

### Nail Shank Types

#### Smooth Shank

The standard nail, offering high shear value and lowest withdrawal resistance. Fixing across the grain. Fixing into end grain. Clenching applications.

Specification - Number of centres will vary with shank diameter.

#### Unilock Shank

Increases withdrawal resistance. Drives easier than ring shank fixing across the grain.

Specification - Ringed parts have 24 rings per inch.

#### Ring Shank

Provides the highest withdrawal resistance. Fixing across the grain.

Specification - RPI (Rings Per Inch) vary from 16 to 32 depending on specification.

### Nail Head Types

#### Round Head (RounDrive<sup>®</sup>)

The head area is designed to maximise resistance to the head being pulled through.

Specification - Head size between 2.0 and 2.5 x wire diameter according to EC5.

#### Clipped Head

Increases number of nails per strip. The head area is designed to maximise resistance to the head being pulled through.

Specification - Head area corresponding to full round head area, according to EC5.

### Nail Points

#### Diamond

Used for maximum penetration. The industry standard for most applications.

Specification - 1.3 to 2.0 x wire diameter.

### Nail Coatings and Materials

#### Bright

Meet the Eurocode 5 requirements for applications in service class 1 (indoors).

Specification - No coating.

#### Electro Galvanised

Meet the Eurocode 5 requirements for all applications in service class 1 and 2 (indoors, indoors not heated/outdoors protected).

Specification - Zn and chromate minimum 12 $\mu\text{m}$

#### Galv-Plus<sup>®</sup>

Meet the Eurocode 5 requirements for all applications in service class 1 and 2 (indoors, indoors not heated/outdoors protected).

Specification - Zn / Al alloy minimum 15 $\mu\text{m}$ .

#### Hot Dipped Galvanised

Meet the Eurocode 5 requirements for all applications in service class 1, 2 and 3 (indoors, indoors not heated/outdoors protected, outdoors/exposed to weather).

Specification - Zinc coating minimum 55 $\mu\text{m}$ .

#### Stainless Steel

Where high levels of corrosion resistance are essential. Meet the Eurocode 5 requirements for all applications in service class 1, 2 and 3 (indoors, indoors not heated/outdoors protected, outdoors/exposed to weather).

Specification - A2 according to AISI 304, and A4 according to AISI 316.

### Nail Collation Types

#### ProStrip<sup>™</sup>

ProStrip<sup>™</sup> paper tape collated nails provide high holding power and ease of drive. Nail strip will not break when dropped and will not deteriorate in wet weather.

Benefits - No collation material is left on the job site. ProStrip<sup>™</sup> nails come in smooth and ring shank and a variety of shank diameters and coatings.



## BRADS

### Brad Point Types

#### Chisel

Reduces the risk of wood splitting.

### Brad Head Types

#### Lost Head

Where a hidden fix is required.

Specification - EN 10230 - 1.

### Brad Coatings and Materials

#### Electro Galvanised

The Industry Standard for most applications..

Specification - Zn and chromate minimum 1 - 3µm according to ISO 2081

#### Stainless Steel

Where high levels of corrosion resistance are essential.

Specification - A2 according to AISI 304.

### Brad Gauge

#### 18 Gauge




SWG 18 correspond to a diameter of 1.22mm.

#### 16 Gauge

SWG 16 correspond to a diameter of 1.65mm.

## STAPLES

### Eurocode 5 Service Class Spec - STAPLES

 Service Class 1 <b>INDOORS</b>	 Service Class 2 <b>INDOORS NOT HEATED, OUTDOORS PROTECTED</b>	 Service Class 3 <b>OUTDOORS, EXPOSED TO WEATHER</b>
<b>ELECTRO GALV ≥ 3µm</b>		
<b>STAINLESS STEEL - A2 (AISI 304) or A4 (AISI 316)</b>		

### Staple Point Types

#### Chisel

Reduces the risk of wood splitting. Staple legs remain parallel after application.

Specification - Point length varies from 0.5d to 1.5d.

#### Divergent

Staple legs fasten in opposite directions to increase the strength of fix and reduce the depth of the embedment.

### Staple Coatings and Materials

#### Electro Galvanised

The Industry Standard for most applications. Meet the Eurocode 5 requirements for most applications in service class 1 (indoors).

Specification - Zn and chromate minimum 3µm according to ISO 2081

#### Stainless Steel

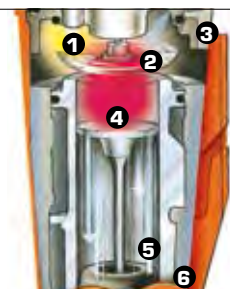
Where high levels of corrosion resistance are essential. Meet the Eurocode 5 requirements for all applications in service class 1, 2 and 3 (indoors, indoors not heated/outdoors protected, outdoors/exposed to weather).

Specification - A2 according to AISI 304, and A4 according to AISI 316.

### Paslode Impulse Technology - How it works

Impulse is powered by easily replaceable gas cartridges. Each time the nose of the tool is depressed a metered amount of air and fuel gas mixture is injected into the combustion chamber where it is ignited by a spark when the trigger is pressed. As in a car engine the piston is forced down, driving the fastener to a pre-set depth.

1. Spark Plug
2. Fan Motor
3. Fuel Port
4. Combustion Chamber
5. Piston Assembly
6. Cylinder



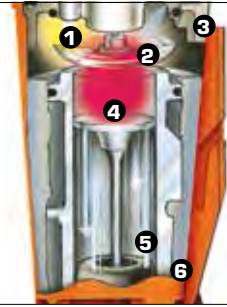
# SPIT Direct Fixings (Gas - Pulsa)

## SPIT Pulsa Technology - How it works

With its own internal combustion engine, Pulsa fastens cable management, wiring accessories and dry wall track up to six times faster than conventional fixing methods.

At the heart of Pulsa is the patented linear combustion engine. With its steel piston rings and precision-machined combustion chamber, Pulsa drives fasteners all day long.

1. Spark Plug
2. Fan Motor
3. Fuel Port
4. Combustion Chamber
5. Piston Assembly
6. Cylinder



## How to select a Pulsa Pin to directly fasten an object for permanent installation

### Fastening to concrete

As the fastener enters the concrete, extreme pressure and heat are created. This creates a bond that provides high loading strength in concrete.

### Edge distance

Do not fasten closer than 70mm from the edge of concrete. If the concrete cracks, the fastener may not hold.

### Recommended minimum fastener spacing

Setting fasteners too close together can cause the concrete to crack. The recommended minimum distance between fasteners is 50mm. Never attempt a fastener application too close to another fastener as this could affect the previously inserted fastener's embedment.

### Concrete thickness

It is important that the concrete be at least three times as thick as the fastener penetration. If the concrete is too thin, the compressive forces forming at the fastener's point can cause the free face of the concrete to break away. This creates a dangerous condition from flying concrete and / or the fastener and also results in a reduction of fastener holding power.

### Fastening to steel

The resilience of steel provides a clamping effect to the fastener. This combined with the tremendous heat that is created, provides a welding and clamping effect to give maximum holding power.

### Edge distance

The recommended edge distance for a fastener to the edge of steel is 10mm. Never fire the tool within 10mm of the edge of a steel base material because the steel may bend or break off, allowing the fastener to ricochet.

### Recommended minimum fastener spacing

The recommended minimum distance between fastenings is 20mm. Never attempt a fastening application too close to another fastening as this could affect the previously installed fastener's embedment.

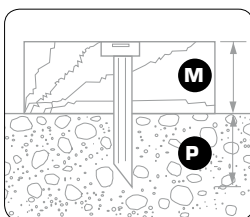
### Steel thickness

Do not fasten into steel base material thinner than the fastener shank diameter. Holding power may be reduced and the fastener may be overdriven.

As a guide when fixing into:

- A36 steel - min. steel thickness = 5mm
- A572 grade steel - min. steel thickness = 3mm

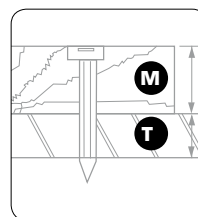
## Minimum Shank Length into Concrete



### Minimum Shank Length

Thickness of material (M) + Required penetration (P)

## Minimum Shank Length into Steel



### Minimum Shank Length

Thickness of material (M) + Thickness of steel (T) + 5mm point allowance

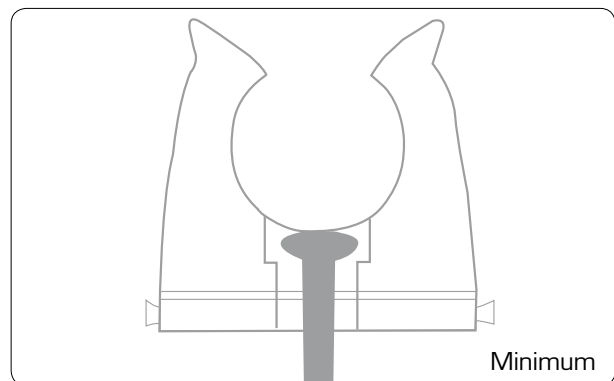
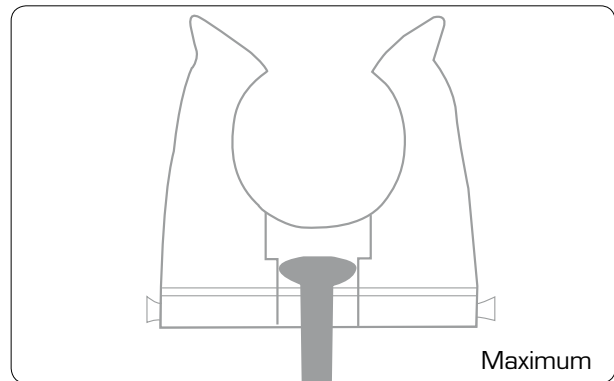
### Adjusting Pin Penetration

The Pulsa 800 and Pulsa 700 are equipped with a mechanism which enables prior adjustment of the nail penetration. This adjustment in some cases improves the quality of fixing as well as the nailing efficiency.

The tool automatically adjusts its power to suit the supporting material. However, certain applications may require the nail to penetrate deeper into the base material or penetrate less.

For example, the adjustment result is independent both of the type and hardness of the substrate and of the type of object being fixed. The adjustment does not affect the impact force of the piston.

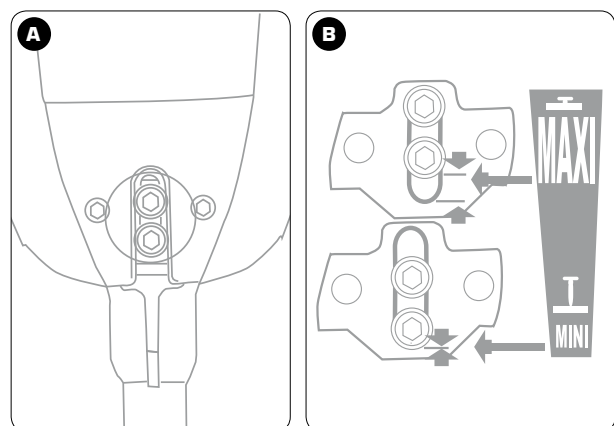
### Maximum & Minimum Penetration



Penetration is adjusted by slackening the two screws (A) on the upper part of the barrel using the allen key provided and moving them backwards or forwards (4mm) in the recess on plate (B).

The adjustment range is 4mm. Intermediate adjustments between maximum and minimum are possible. For best fixing results, check the adjustment position before and during work.

If necessary re-adjust the screws. To ensure successful nailing of wiring and cable management accessories (E Clip etc.) it is recommended that the tool is set to the minimum drive position. Failure to do so could result in cracking or breaking of accessories and PVC - U trunking. The Pulsa 800 and Pulsa 700 are supplied adjusted to this position.



# SPIT Mechanical Anchors

## Different Types of Anchor

### Torque Controlled Anchors

Expansion is achieved by the application of torque to a bolt or nut which causes a cone to be drawn into a sleeve. Anchorage is verified with this torque eg. SPIT Fix II etc

### Hammer Set Expansion Anchors (cone)

Expansion is achieved by hammering a component (normally a cone) which is captive in the body of the anchor. Anchorage is verified by the travel of the expansion component. eg. SPIT Drop-in, SPIT Grip Lip.

### Chemical Anchors

The anchor consists of a fixing element and a synthetic-based mortar. The two components are placed in the hole and after curing the mortar creates dual adhesion, one between the fixing element and the mortar and the other between the mortar and base material. The mortar is supplied either in a glass capsule or an injection cartridge. Chemical anchors generate lower stresses in the base material so they can be used closer to edges and closer together. eg. SPIT Maxima, SPIT Epcon, SPIT Epomax, Epobar, SPIT C Mix Plus.

### Friction Based Light Duty Anchors

Performance is achieved by the introduction of an expansion component which is screwed or hammered into the anchor body. The anchor body is thus firmly blocked against the sides of the drilled hole. eg. SPIT Hit M, SPIT CL35, SPIT ISO.

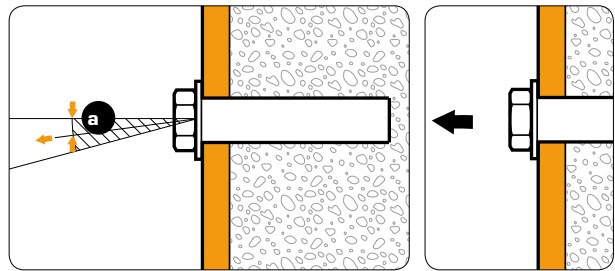
### Deformation Based Light Duty Anchors

The anchor body is drawn against the interior of the base material by deformation eg. SPIT Hollow Wall Anchor.

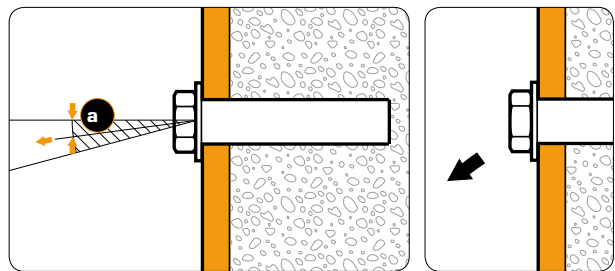
### Tapcon Self Tapping Screwed Anchors

The anchor is rotated into a (pre-drilled) hole, cutting its own thread and 'self tapping' into the substrate.

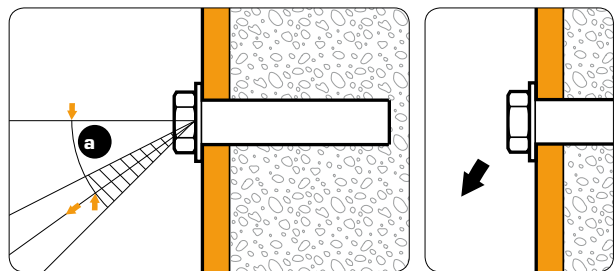
## Load Directions - Tensile ( $0^\circ \leq a \leq 15^\circ$ )



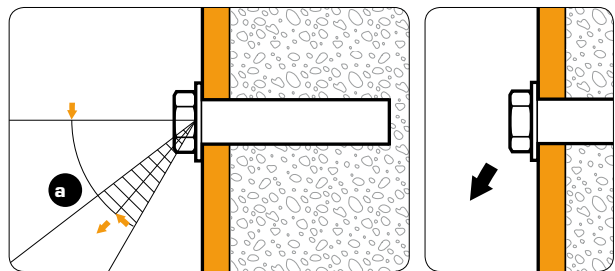
## Oblique $30^\circ$ ( $15^\circ \leq a \leq 37.5^\circ$ )



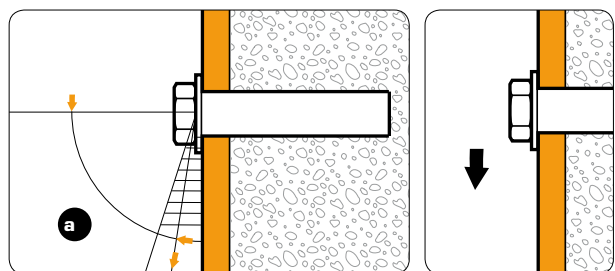
## Oblique $45^\circ$ ( $37.5^\circ \leq a \leq 52.5^\circ$ )



## Oblique $60^\circ$ ( $52.5^\circ \leq a \leq 67.5^\circ$ )



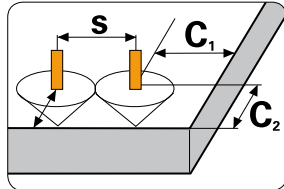
## Shear ( $67.5^\circ \leq a \leq 90^\circ$ )



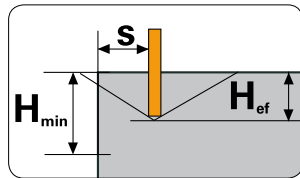
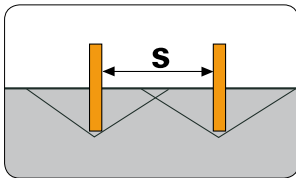
## Anchor Spacing

Taking into account the stress values created by the expansion anchors and the loads they are designed to support, the following points must be respected when establishing the performance of each individual product (recommended load):

- The minimum thickness of the base material ( $H_{min}$ ) (determined by anchor depth  $H_{ef}$ )
- The minimum distance between anchors ( $S$ )
- The distance of anchors from edges of the slab or structure



The coincidence of stress cones of adjacent anchors in concrete reduces their tensile performance.

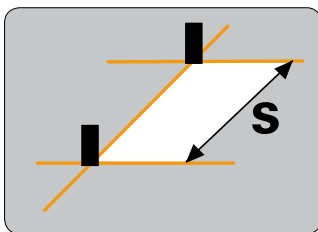


### Anchor Depth: $H_{ef}$

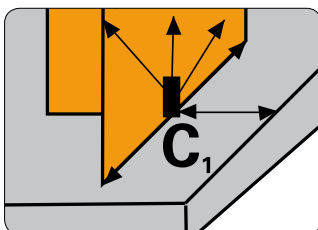
Each anchor has a minimum anchorage depth which guarantees its safe working load (recommended load). Certain anchor types can be embedded deeper with a resulting increase in performance (in particular SPIT FIX3). For further information call the Technical Help Line.

### Reduced Distance Between Anchors

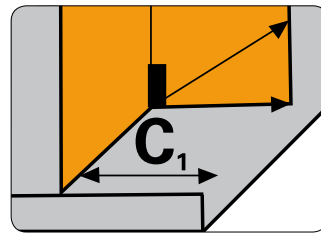
The distance between anchors from edges and corners can also be reduced in some cases. Such reduction will affect the recommended load of the anchor and one or more reduction coefficients will have to be applied.



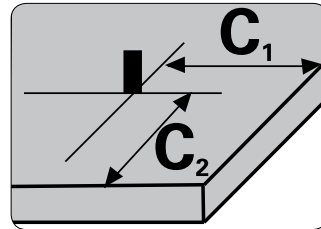
A reduction coefficient related to distance between anchors  $S$ :  $s$



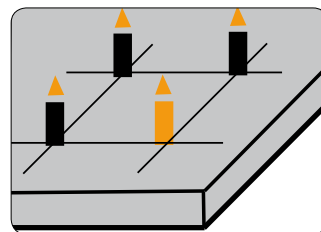
A reduction coefficient related to edge distance  $C_1$  with no load transmitted towards the free edge.



A reduction coefficient related to edge distance  $C_1$  with load transmitted towards the free edge.

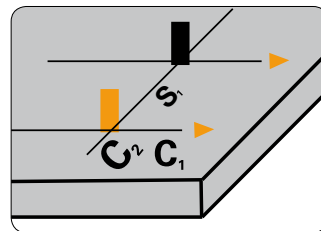


In some cases two reduction coefficient, related to the distance from the corner of a slab  $C_1, C_2$ .



### Tensile Load

In the case of a group of anchors it is necessary to consider the worst placed anchor



### Shear Load

In the case of a group of anchors it is necessary to consider the worst placed anchor

## Load Classification

### Static Loads

A load is static when it's constant and does not change over time.

### Vibrating Load

A variable load of low amplitude with a high frequency (motor vibration for example).

### Dynamic Load

A variable load in time with a medium or high amplitude with or without negative loading (wind for example).

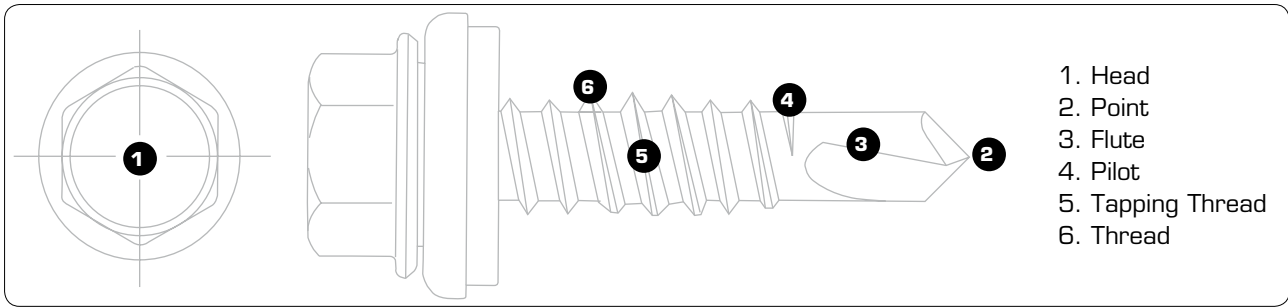
### Shock Load

Load applied in a very short period of time.

These four load types can be occasional or permanent. An occasional load is applied during a limited period of time and several times. A permanent load is applied continuously.

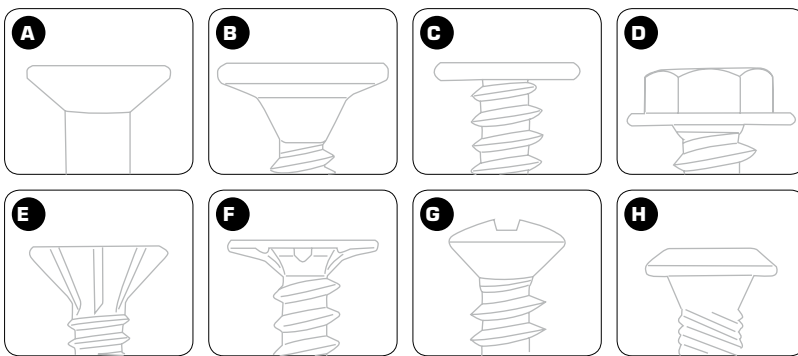
# SPIT Mechanical Anchors (TekS Screws)

## Teks Screws



1. Head
2. Point
3. Flute
4. Pilot
5. Tapping Thread
6. Thread

## 1. Head Type



The correct head style choice ensures stability during driving, proper clamping and desired finish. Some heads allow access to confined applications.

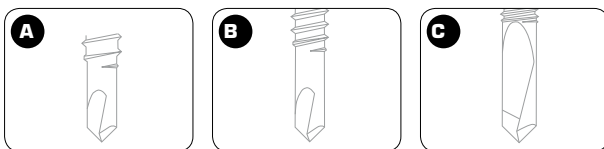
- |                |                       |
|----------------|-----------------------|
| A. Countersunk | E. Countersunk Ribbed |
| B. Wafer       | F. Wafer Ribbed       |
| C. Pan Head    | G. Oval Head          |
| D. Hex Head    | H. Low Profile        |

## 2. Point Types

The sharp convex drill point has precise cutting edges to ensure quick engagement and no 'walk'.

## 3. Flutes

The drilling section is designed to efficiently remove debris and precisely size the hole for the thread. The length of the flute must be greater than the thickness of the steel to avoid the flute clogging.

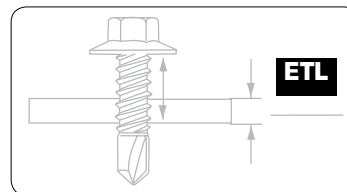


- |             |                            |
|-------------|----------------------------|
| A. TekS / 1 | 2mm max steel thickness    |
| B. TekS / 2 | 3mm max steel thickness    |
| C. TekS / 5 | 12.5mm max steel thickness |

## 4. Pilot Section

A short length before the thread to ensure the drilling operation is complete before the thread engages. Once the thread engages the steelwork, the screw will be driven forward at a faster rate than the drill point can drill the hole and point damage could result. When fixing thin sheet to support steelwork, a screw with a pilot section is required to avoid this premature thread engagement and jacking-up of the first sheet.

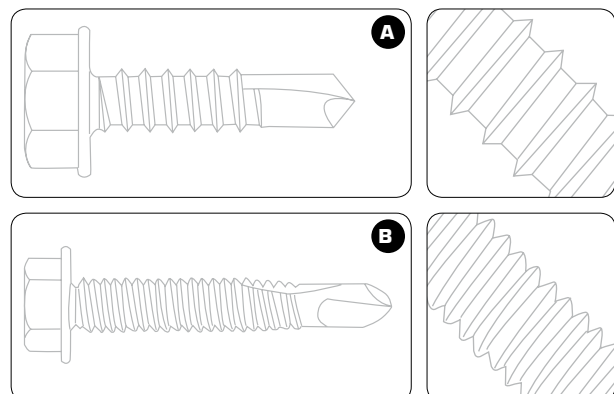
## 5. Tapping Thread



Advances the screw through the hole.

## 6. Thread Portion

Correct thread selection optimises low installation torque with high pull-out. Wide spaced or coarse threads are generally used for light gauge steel (A), closer spaced or finer threads for heavier gauge (B). (Effective thread length (ETL) is the maximum length of thread available after the minimum penetration has been made in steel) TekS screws must penetrate through the steel to expose at least two full threads.

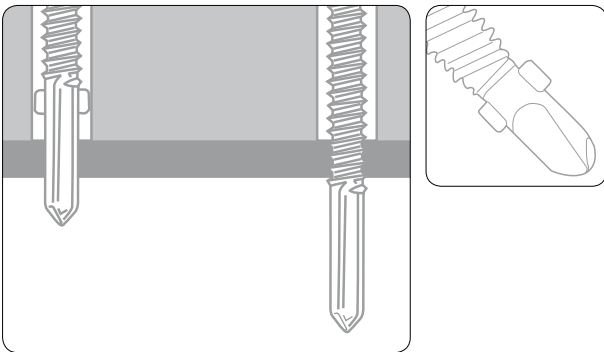


## 7. Optional Integral Washer

Teks screws with integral washers are available to prevent moisture, ingress and also bimetallic corrosion. When using a washered Tek screw it is essential to ensure that the washer is set correctly to avoid water ingress. The only sure way is by using a tool with a depth sensitive nose piece. For optimum performance a minimum of 430 watts with an RPM range of 0 - 2,000 is required. Using a torque sensitive tool may result in an incorrect setting.

## 8. TimberFix Screws

TimberFix Tek screws have wings attached that ream a clearance hole to prevent jacking. The drill point will then drill into the steel substrate and, on contact with the steel, the wings break off. The thread engages in the steel, taps a thread and screws into the steel until the head clamps the timber in place.



## 9. Screw Material

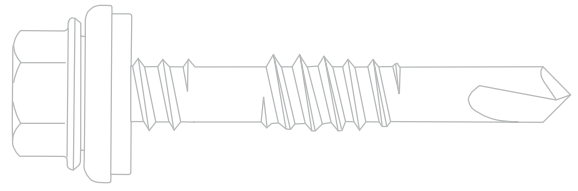
Teks and TimberFix screws are made from high quality medium carbon cold forming steel, heat treated to give optimum qualities of drilling efficiently and mechanical strength. Grade A2 304 austenitic stainless steel is available for certain sizes of Tek screws.

## 10. High Thread Screws

High Thread Tek screws have an additional thread below the head to provide support to the over sheet of composite panels. An integral washer also prevents water ingress.

## 11. Screw Diameters

4.2mm = N° 8  
4.8mm = N° 10  
5.5mm = N° 12



## 12. Screw Coating

Teks and Timber-Fix screws are coated with a proprietary finish called Climaseal, developed exclusively by ITW.

- The polymer coating protects the fastener from corrosion and provides lubrication to lessen friction during tapping.
- Long term protection against corrosion.
- Compatible with painted and metal coated surfaces.
- Exceeds all published industry standards, including FM4470 specification.

### Salt spray results (ASTM B117):

Climaseal: 720 hours - 10% or less red rust  
Electro zinc: 48 hours - 5% or less red rust

## Resin Requirements

- Product complies with LU Standard 1-085 'Fire Safety Performance of Materials' according to 'Minor Use' definition.
- Product complies with current Health and Safety Requirements.

## Conditions

- Manufacturer shall provide sufficient information for the designer to make an informed decision. However, the supplier can be contacted to discuss particular applications or requirements, where confirmation or guidance is required on: products, installation, substrates, loads, design calculations, best practice and LU standards.\* **Technical Helpline: 0800 731 4924**
- Prior to use, an assessment should be carried out according to the COSHH (Control of Substances Hazardous to Health) regulations.\*
- The appropriate individual or designer shall ensure that the product is suitable for use for specific locations and obtain the appropriate required approvals e.g. Conceptual Design Statement etc.\*
- The product shall be designed, installed and maintained as per the Manufacturer's instructions.\*
- This product must be used in accordance with the requirements and directions of LU Manual of Good Practice G-058 clause 2.8.2.\*\*

\* Also applies to mechanical anchors

\*\* C-Mix Plus / Epomax / Maxima

## Conditions - SPIT Hit M

- These fixings can only be used in accordance with the manufacturer's recommendations and LU Standards and Manuals of Good Practice. Particular attention should be drawn to LU Standard S1063 and guidance document G0058 clause 2.8.2.
- The product may form part of a fire protection system and as such, the installation of the system shall be carried out by an installer, recognised under a suitable third party certification scheme, in accordance with the manufacturer's instructions. These instructions should enable the installer to fit the product correctly and allow checks to be undertaken by the LU fire engineer in accordance with London Underground procedures.

## Approved Products



**EPCON C8 XTREM**  
Epoxy Resin



**EPOBAR**  
Vinylester Resin



**EPOMAX**  
Vinylester Resin



**MAXIMA**  
Resin Capsules



**TRIGA Z XTREM**  
Safety Anchor



**FIX Z XTREM**  
Through Bolt Anchor



**HIT M Hammer**  
Screw Anchor



**TAPCON® LDT**  
Concrete Screw  
7.5 x 35mm



**TAPCON®**  
Rod Hanger  
M8 x 35mm



**TAPCON® Rod**  
Hanger (Original)



## 1. GENERAL

1.1 In these conditions the following words have the meanings shown:

"Buyer"	means the person, firm or company purchasing Goods
"Company"	means ITW Ltd T/A ITW Construction Products
"Contract"	means the agreement between the Company and the Buyer for the purchase from the Company by the Buyer of Goods
"Contracts"	includes all agreements between the Company and the Buyer for the purchase of Goods from the Company by the Buyer
"Goods"	means the goods manufactured by the Company and purchased by the Buyer on the terms of this Contract

1.2 Unless agreed otherwise, these conditions shall be incorporated in all Contracts of the Company to sell Goods and shall be the sole conditions under which the sale takes place. All other terms, conditions or other representations are excluded from the Contracts between the Buyer and the Company including any terms and conditions which the Buyer may purport to apply under any order for Goods. In the absence of such acceptance the Buyer shall be deemed to have withdrawn or waived his said conditions or stipulations and to contract solely on the basis of these terms.

1.3 These conditions shall prevail unless expressly varied in writing and signed by the General Manager on behalf of the Company.

1.4 No statement, description, information, warranty, condition or recommendation contained in any catalogue, price list, advertisement or communication or made verbally by any of the agents or employees of the Company shall be construed to vary in any way any of the conditions under this Contract unless otherwise agreed in accordance with Clause 1.3 above.

1.5 Any written quotation, estimate and/or advertised price for the Goods shall be an invitation to treat and no binding contract shall be created by placing an order until the Company has acknowledged the order to the Buyer in writing.

## 2. DELIVERY

2.1 Where the Company agrees to arrange carriage of the Goods from the Company's works to another location specified by the Buyer, it shall do so as the Buyer's agent and risk (but not title) to the Goods shall pass on the Goods being collected by the carrier. The Company may arrange carriage at the cost of the Buyer in such manner as it considers appropriate. Times for delivery are (unless otherwise expressly agreed in writing) estimates only and time shall not be of the essence of the contract.

2.2 Proof of delivery of Goods is available from our Customer Services Department for a period of 28 days from date of invoice. If a proof of delivery is requested more than 28 days after the date of invoice or requested again after the Company has supplied such proof of delivery, the Company shall be under no obligation to provide such proof of delivery.

2.3 Where the Company effects insurance over the Goods during transit, it shall do so as the Buyer's agent and at the Buyer's expense and such insurance shall (subject to any written instruction by the Buyer to the Company prior to the Goods leaving the Company's works) be in such amounts, against such risks, with such insurers and for such periods as the Company considers appropriate. The proceeds of any such insurance shall be held in trust for the Company until all sums then remaining unpaid to the Company in respect of the Goods are made in full. The Company and the Buyer will on request give to each other all information with regard to insurances as may be reasonably required to protect their respective interests in the Goods under this clause.

2.4 The Buyer shall upon delivery of the Goods examine the Goods and shall promptly notify the Company, and the carrier where relevant, of any damage, defect or shortage reasonably apparent to the Buyer on reasonable examination of the Goods. Claims in respect of any damage, defect or shortage must be made within 5 days following delivery of the Goods.

2.5 Should the Company be prevented for any reason set out in clause 6 from delivering all of the Goods ordered by the Buyer, the Company shall deliver and the Buyer shall take such Goods as the Company shall be able to deliver and the Buyer shall be entitled to the same prices and discounts on such part of the Goods as are actually delivered to it as were chargeable on the whole order.

2.6 Each order for Goods subject to these Terms shall be a separate contract and the failure of any delivery in respect to one order shall not breach the contracts as to any other orders.

2.7 In the event of the Buyer failing to take delivery of the Goods within 14 days of their becoming available, the Company shall be free to store the Goods at the risk and expense of the Buyer and/or to re-sell any of them without prejudice to the Company's rights and remedies against the Buyer.

## 3. RETURN OF GOODS

3.1 Goods which are not defective and which have been supplied in accordance with the contract cannot be returned without the Company's prior written authorization in the form of an official company returns number ("Authorized Returns"). Authorized Returns can be subject to a handling charge of 20% of the invoice value of the Authorized Returns or £35.00 (whichever is the greater). Authorized Returns shall be delivered to the Company's premises at the Buyer's expense.

3.2 The Company will only authorize the return of Goods if the Buyer notifies the Company of its wish to return the Goods within 14 days of delivery of the Goods, unless agreed otherwise.

3.3 Goods returned to the Company must be in a sufficiently good condition to allow them to be resold by the Company and in original packs. Goods not in a re-saleable condition will not be authorized for return.

3.4 Goods which incorporate Gas Fuel Cells will only be authorized for return if they comply with Clause (3.3) above and if there is minimum of 6 months shelf life remaining.

3.5 Goods which are not standard or which have been modified or made to the Buyer's specifications will not be authorized for return.

## 4. RETENTION OF TITLE

4.1 Title to the Goods shall not pass to the Buyer until the purchase price and any VAT thereon shall have been paid in full to the Company. Until such payment in full the Buyer shall not be entitled to sell, transfer, lease, charge, assign by way of security or otherwise deal in or encumber the Goods and the relationship between the Company and the Buyer in respect of the Goods including any proceeds of sale or other consideration therefore shall be a fiduciary one.

4.2 If in breach of Clause 4.1 above the Buyer sells the Goods prior to making payment in full then any proceeds of sale in respect thereof and all rights arising under or in respect of the said sale shall be held (in the case of the proceeds of sale in a separate account) by the Buyer as trustee for the Company.

4.3 If the Buyer fails to make payment in full of all sums due hereunder by the due date or prior to such payment the Buyer convenes a meeting of its creditors or a proposal is made for a voluntary arrangement within the meaning of Part 1 of the Insolvency Act 1986 or a proposal for any other composition scheme or arrangement with (or assignment for the benefit of) the Buyer's creditors or if the Buyer is unable to pay its debt within the meaning of section 123 of the Insolvency Act 1986 or if a trustee, receiver, administrative receiver or similar officer is appointed in respect of all or any part of the business or assets of the Buyer or if a meeting is convened for the purpose of considering a resolution or other steps are taken for the winding up of the Buyer or the making of an administration order (otherwise than for the purpose of an amalgamation or reconstruction) then the Company (without prejudice to any other legal remedies it may have) shall at any time thereafter be entitled to enter upon the Buyer's premises without notice and remove the Goods or otherwise exercise the rights set out in clause 5.5.1, 5.5.2 and 5.5.3.

## 5. PRICES AND PAYMENT

5.1 Prices given in quotations or when accepting orders or at any time are subject to variation and any order accepted shall be subject to the express condition that prices supplied on the Company's order acknowledgement shall apply. In all quotations, offers, orders or contracts with the Company (unless otherwise stated) all the Company's prices are exclusive of value added tax and the amount of value added tax (if any) shall be deemed added to any price so quoted and be payable by the Buyer.

5.2 For Goods sold within the United Kingdom, payment shall be strictly net and shall be made in full on or before the last day of the month following date of invoice (unless otherwise agreed in writing by the Company).

5.3 For Goods sold outside the United Kingdom, payment shall be strictly net and shall be made in cash in full, on or before the last day of the month following date of invoice (unless otherwise agreed in writing by the Company). For the purpose of this clause 4.3 time shall be deemed to be of the essence of the contract.

5.4 Payment of the price or any part thereof from time to time outstanding (with interest as provided in clause 5.5) may if so required by the Company and without prejudice to clauses 4.1 and 4.2. above be secured and/or effected by means (at the Company's option) of: (i) irrevocable Letters of Credit which have been confirmed by a Bank in London nominated or approved by the Company and valid for a period specified by the Company; or (ii) Bills of Exchange drawn in favour of the Company and accepted by a Bank or Confirming House in London nominated or approved by and payable at delivery or at such other date or dates (if any) as may be stipulated by the Company. Such letters or (as the case may be) Bills shall be transmitted to the Company on or prior to commencement of delivery of the Goods and shall be renewed or extended as required to ensure their continuing validity notwithstanding any delay (howsoever arising) in delivery of such Goods. Upon any default in payment upon or in respect of any such Letters or Bills the whole balance then remaining due to the Company shall forthwith become payable upon demand.

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5.5 In the event of any default by the Buyer in making payment of any amount payable to the Company under any contract with the Company or any payment not being received when due the Company may at its option and without prejudice to its other right:

5.5.1 Suspend or cancel further deliveries under any Contract with the Buyer and/or resell the Goods, and/or

5.5.2 Charge interest (whether before or after judgment) at a rate of 8 per cent per annum above the Base Rate from time to time of the Company's principal bankers in England on the amount at any time outstanding from a commencement of delivery of the Goods to which the amount relates until receipt of actual payment.

5.5.3 Under "The Late Payment of Commercial Debts (Interest) Act 1998" the Company will claim compensation for the costs of collecting late payments at the following rate:

Amount Owed	Compensation
Up to £999.99	£40.00
Up to £9,999.99	£70.00
Over £10,000.00	£100.00

## 6. DEFAULT OR INSOLVENCY OF BUYER

6.1 In the event that:

6.1.1 the Buyer shall be in breach of any of its obligations under the Contract;

6.1.2 any distress or execution shall be levied on the Buyer's property or assets; or

6.1.3 if the Buyer (being an individual or partnership) shall make or offer to make any voluntary arrangement or composition with its creditors or become bankrupt or if any bankruptcy petition be presented against him;

6.1.4 (if the Buyer is a company) has an administrative receiver or administrator appointed or makes a voluntary arrangement with its creditors or commences to be wound up; or

6.1.5 otherwise if the Buyer fails to pay its debts as and when they fall due; or

6.1.6 such equivalent event in Clauses 6.1.1 to Clause 6.1.5 occurs to the Buyer in its local jurisdiction; the Company at its discretion and without prejudice to any other right or claim may by notice in writing forthwith determine wholly or in part any and all of the other Contracts between the Company and the Buyer or may (without prejudice to the Company's rights subsequently to determine the Contract for the same cause should it so decide) by notice in writing suspend further deliveries of Goods.

## 7. DATA PROTECTION ACT 1988

7.1 The Company shall comply with the provisions of the Data Protection Act 1988, and the European Communities (Data Protection) Regulations 2001, as may be amended from time to time and all other applicable data protection legislation in relation to the processing of any personal data it obtains from the Buyer. The Company shall comply with its on-line Privacy Policy when the Buyer purchases the Goods from the Company through the Company's website.

7.2 The Company may process all the details it obtains from the Buyer to enable the Company to do business with the Buyer and for the specific purpose of selling the Goods to the Buyer. The Company may also request further information from third parties with the Buyer's consent for example, credit reference agencies. The Company shall obtain specific consent from the Buyer for the collection by the Company of sensitive data as defined by the Act such as racial origin, (trade union membership and commission of offences) physical or mental health or criminal convictions.

7.3 Any information gathered will only be used in the context of the business the Company conducts for the Buyer and for any other purpose required for the fair processing of the Buyer's data. The Buyer may notify the Company to cease processing the data if it is unhappy with the way the Company uses the Buyer's personal data or wishes the Company to cease using any data which the Buyer has voluntarily given to the Company.

7.4 The Company may disclose the Buyer's personal data as required by law, including but without limitation, to prevent a crime, discharge a statutory duty or as required by a court order in the context of legal proceedings or to any third parties who process personal data on the Company's behalf, such as computer maintenance companies and any group company within the Company's organisation.

## 8. WARRANTIES and REPRESENTATIONS

8.1 The Company warrants that for a period of 6 months from the date of delivery to the common carrier (the "Warranty Period"), under normal use and given proper installation and maintenance as determined by the Company, the Goods:

(a) will conform to mutually agreed upon written specifications or other descriptions; and

(b) will be free from substantial defects in material and workmanship. In the event of a breach of the warranties set forth above (the "Warranties"), Company's sole liability and Buyer's sole remedy will be (at Company's option), for Company to repair, replace or credit Buyer's account for, any Goods that fails to conform to the Warranties, provided that

(i) during the Warranty Period Company is promptly notified in writing upon discovery of such failure with a detailed explanation of any alleged deficiencies;

(ii) Company is given a reasonable opportunity to investigate all claims; and a deficiencies and that the deficiencies were not caused by accident, misuse, neglect, alteration, improper installation, unauthorized alteration or repair or improper testing. No Products may be returned to Company until inspection and approval by Company.

8.2 All Goods are sold with the benefit of and subject to the conditions of the warranty supplied with them, which is available for inspection on request.

8.3 Nothing herein or in any warranty given by the Company shall impose any liability upon the Company in respect of any defect in the Goods arising out of the acts, omissions, negligence or default of the Buyer, its servants and agents including without limitation any failure by the Buyer to comply with any recommendations of the Company as to storage and handling or use or servicing of the Goods, use of the Goods with other goods or other misuse of the Goods or accident or fair wear and tear of the Goods.

8.4 Except as provided for in these conditions, any warranties, (whether express or implied by statute or common law or howsoever) including without limitation those of satisfactory or merchantable quality or of fitness for a particular purpose (even if that purpose is made known expressly or by implication of the Company) are hereby excluded.

8.5 No warranty is given that the detail in illustrations and in data supplied as to weights and measurement are accurate unless they are specifically described so to be and they are otherwise provided by way of identification of the Goods only. Defects in quality and dimension where specifically mentioned shall be deemed accepted by the Buyer. In the case of Goods sold by samples as well as by description it shall be sufficient that the bulk of the Goods correspond with the sample without also corresponding with the description. The Company reserves the right to modify the manufacture of any Goods at any time and this condition shall be held to be implicit in all quotations or communications sent out by the Company.

8.6 The Buyer acknowledges and agrees that all contracts are entered into by the Company on the basis that (unless otherwise expressly agreed in writing at the time of concluding the contract) the Buyer is not placing reliance on any representation made by the Company or by its servants or agents as to the fitness, suitability, description, design, specification or quality of the Goods and or services to be supplied by the Company, thereunder.

8.7 The Company gives no guarantee to any parts of the Goods which are not manufactured by the Company but the Company so far as possible will pass on to the Buyer any benefit received by the Company under a guarantee or warranty from the manufacturer of such parts.

## 9. FORCE MAJEURE

9.1 The Company shall have no liability under the Contract in respect of any failure or delay in fulfilling any of the Company's obligation to the extent that fulfillment thereof is prevented, frustrated, impeded or delayed as a consequence of any "force majeure" or any occurrence whatsoever beyond the control of the Company including without prejudice to the generality of the foregoing:

9.1.1 compliance with any order, regulation, request or control of any national or local authority, governmental department or other competent authority of any country; or

9.1.2 any delays in or cancellations of deliveries or provision of services by third parties or shortages of goods, materials or parts; or

9.1.3 any strikes, lock-outs or trade disputes whether involving the Company employees or others, fire, explosion, accident, calamity or civil disturbance, action of elements, national calamity or Act of God; or

9.1.4 failure in whole (or in part) of any power of energy supply.

9. **FORCE MAJEURE** *continued...*

9.2 Whilst the Company undertakes to make reasonable endeavours within its power to overcome difficulties arising in connection with any of the events or circumstances referred to in sub-clause (9.1) of this condition, the Company reserves the right to terminate the Contract with the Buyer without incurring any liability whatsoever and in particular the Company shall not be obliged to purchase any goods from third parties to make good any such difficulty.

10. **LIABILITY**

10.1 Notwithstanding anything contrary, the Company's liability to any user for personal injury or death caused by its negligence or fraud is not limited.

10.2 The Company shall not be liable (whether or not the Company has been advised of the possibility of such loss) in contract, tort, negligence or otherwise howsoever arising for any claim, damage, loss or costs in respect of:

10.2.1 any losses special to the Buyer, any direct loss of profits, any direct loss of turnover and/or any direct loss of revenue; and

10.2.2 any indirect or consequential loss or damage howsoever caused including without limitation any losses special to the Buyer, any loss of profits, loss of turnover, loss of revenue, loss of business and/or loss of data and for the avoidance of doubt, the sub-clauses in this Clause 10.2 are intended and agreed by the Buyer to be severable.

10.3 Subject to Clause 10.1, the aggregate liability of the Company (whether in contract, tort, negligence or breach of statutory duty or otherwise) to the Buyer for any loss or damage shall be limited to the price of the Goods.

10.4 The Buyer shall be liable for and shall indemnify the Company against any and all expenses, loss, liability or proceedings suffered by a third party arising as a result of or in connection with any act, omission, negligence, and/or breach of the terms of this Contract or otherwise through the default of the Buyer.

10.5 The Company makes no representation or warranty that the use of the Goods does not infringe the rights of any third party and the Company accepts no liability in this respect.

11. **CONFIDENTIALITY**

The Buyer shall during and after the termination of the Contract keep confidential all information, written estimates, plans and illustrations, proposals and all other quotation documentation acquired from the Company or which becomes known to the Buyer in connection with the Contract. Such documentation shall always remain the property of the Company and must be produced to the Company on demand.

12. **SALE PROMOTION DOCUMENTATION**

Whilst the Company takes every precaution in the preparation of its catalogues, technical circulars, illustrations, price lists, weight and measurement estimates and its other literature, these documents are for the Buyer's general guidance only and the particulars contained therein shall not constitute representations by the Company and the Company shall not be bound thereby. The Company reserves the right to vary the design, materials and the specifications of the Goods without prior notice.

13. **GOVERNING LAW AND JURISDICTION**

The Contract shall be governed by and construed in all respects in accordance with English law and all disputes shall be submitted to the jurisdiction of the English Courts.

14. **BERR - WEEE REGULATIONS**

Please take this as confirmation that ITW Construction Products UK are passing on the obligation for financing the cost of the collection, treatment, recovery and environmentally sound disposal of any Business to Business electrical items we supply to your company. This is in accordance with The Waste Electrical and Electronic Equipment (Amendment) Regulations 2009. Please see our website [www.itwcp.co.uk](http://www.itwcp.co.uk) for further information

15. **STORAGE**

If by reason of instructions or lack of instructions from the Buyer, despatch of the Goods in accordance with the contract is delayed for 14 days after the Buyer has been notified that the Goods are ready for despatch, the property in the Goods shall pass to the Buyer who shall take delivery or arrange for storage and for the purposes of clause (payment) the Goods shall thereupon be deemed to have been delivered. If and for so long as the Company's storage facilities permit, the Company shall store the Goods and the Buyer shall pay storage charges as notified to the Buyer by the Company.

16. **PATENTS AND TRADEMARKS**

No representation, warranty or indemnity is given by Company that the Goods do not infringe any letters, patent, trade marks, registered designs or other industrial rights.

17. **ASSIGNABILITY**

The Contract of which these Conditions form part is personal to the Buyer who shall not assign the benefit thereof without the Company's written consent.

18. **WAIVER**

The waiver by the Company of any breach of any terms herein shall not prevent the subsequent enforcement of that term and shall not be deemed a waiver of any subsequent breach.

19. **PARTIAL VALIDITY**

If at any time any provision hereof is or become illegal, invalid or unenforceable in any respect, the legality, validity and enforcement of the remaining provision hereof shall not in any way be affected or impaired thereby.

20. **STATUTORY AND OTHER REGULATIONS**

If the cost to the Company of performing its obligations under the Contract shall be increased or reduced by reason of making or amendment after the date of acceptance of any law or of any order, regulation or by-law having the Force of Law that shall affect the performance of the Company's obligations under the Contract, the amount of such increase shall be added to or deducted from the contract price as the case may be.





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**CONSTRUCTION  
PRODUCTS**

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Effective from March 2016.