



# Masonry & Cavity Fixings

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# Anchors & Fixings

## Quick Reference Guide

	Concrete		Masonry				Panel		
	Concrete ≥ 25 N/mm <sup>2</sup>	Concrete (Hollow) ≥ 15 N/mm <sup>2</sup>	Fletton Brick ≥ 30 N/mm <sup>2</sup>	Solid Cheshire Clay Brick ≥ 45 N/mm <sup>2</sup>	Class 'B' Engineering Brick (3 x hole) ≥ 75 N/mm <sup>2</sup>	Dense Solid Concrete Block 7.3 N/mm <sup>2</sup>	Stone Various Strengths	Plasterboard All thicknesses / strengths	Wood Panel i.e. chip/block board
Corefix								✓	
Zip-Fix		✓						✓	✓
Stella-Fix	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spring Toggles		✓						✓	✓
Metal Cavity Anchors								✓	✓
Speed Plugs								✓	
Hammer-In Fixings								✓	
Plastic Plugs	✓		✓	✓	✓	✓	✓		
Plugs & Coach Screws	✓	✓	✓	✓	✓	✓	✓		
Nylon Universal Plugs	✓	✓	✓	✓	✓	✓	✓	✓	✓
Metal Expansion Plug	✓								
Express Nails	✓		✓	✓	✓	✓	✓		
Wirehangers	✓								
Ceiling Anchors	✓								
Insulation Fixings	✓		✓	✓	✓	✓	✓		
Nail in Anchors	✓						✓		
Nylon Hammer Fixings	✓		✓	✓	✓	✓	✓		
Nylon Frame Fixings	✓		✓	✓	✓	✓	✓		
Masonry Screws	✓		✓	✓	✓	✓	✓		
Concrete Screws	✓		✓	✓	✓	✓	✓		
Masonry Bolts	✓		✓	✓	✓	✓	✓		
Throughbolts	✓								
Drop-In Anchors	✓								
Shield Anchors	✓		✓	✓	✓		✓		
Chemical Studs	✓	✓	✓	✓	✓	✓	✓		
Resin	✓		✓	✓	✓	✓	✓		

### Recommended Tensile Loads

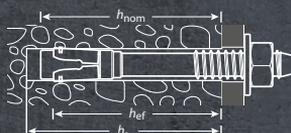
Recommended loads quoted by TIMCO are the maximum loads that may be applied in the base material as quoted. Applied loads (unfactored loads) may not exceed these values. (In BS 8539:2012 code of practice for the selection and installation of post-installed anchors in concrete and masonry, recommended loads are referred to as recommended resistances and applied loads as characteristic actions.)

TIMCO determines recommended loads from results achieved in their testing facility. Recommended loads are determined from the Characteristic Load ( $x - ks$ ) divided by a safety factor.

Recommended loads depend on anchors being correctly installed, as per the provided installation instructions, in material of at least the quoted strength and to at least the quoted embedment depth. Recommended loads for masonry are guide values only.

### Embedment depths & hole depths

Where embedment depths are quoted in this brochure they refer to the "Nominal embedment depth" of the anchor in the hole, referred to in BS 8539:2012, with the notation.



The minimum hole depth is measured to the shoulder of the drill bit,  $h_0$  as per BS 8539, and is valid for the maximum fixture thickness. When using throughbolts, Multi-Fix bolts, shield anchors, nylon frame and nylon hammer fixings, the hole depth should be increased pro rata for thinner fixtures.

### Edge distance & centre spacings

In this brochure the dimensions shown under these headings are the distances for which the full recommended load as quoted here may be used (BS 8539 references are: Edge distance,  $c_{cr}$ , and Centre spacing,  $s_{cr}$ ).

For some products closer edge and centre spacings may be used with reduced loads, refer to our Technical Department for details.

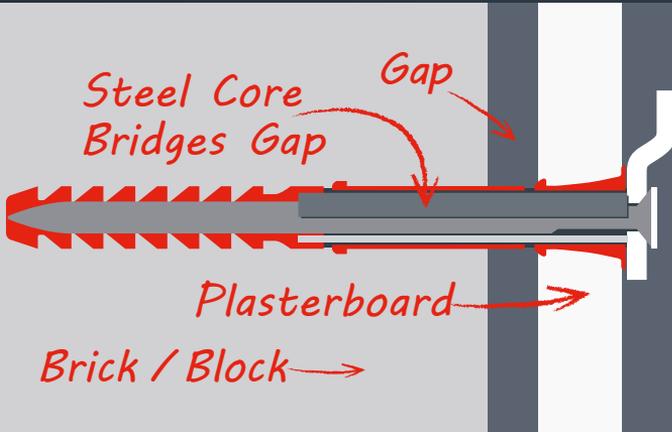
# TIMCO

# COREFIX

## Dot & Dab Wall Fixing Solved!

✓ Lightweight/thermal blockwork

✓ All types of brick & blockwork



**COREFIX** is suitable for mounting TVs, radiators and cabinets onto Dot & Dab walls, plasterboard over all types of brick and blockwork.



### INSTALL IN JUST 5 EASY STEPS!



1. Drill hole to required depth using 10mm masonry drill bit. Turn off hammer drill for aerated blocks.



2. Blow to ensure all debris and dust has been removed from the hole.



3. Gently tap plug into place until flange contacts the plasterboard.



4. Then tap metal core into place.



5. Screw fixture to the wall with supplied screw.

## COREFIX 100

5.0 x 100mm Screw  
Max Fixture Thickness - 10mm

Available in:

Box of 24  
Code: CFX024T

Pack of 4  
Code: CFX004T

Clamshell of 6  
(Drill bit included)  
Code: CFX006RVT

## COREFIX 120

5.0 x 120mm Screw  
Max Fixture Thickness - 30mm

Available in:

Box of 24  
Code: CFX024PT

Pack of 4  
Code: CFX004PT



Timber Battons



Shelves



Warning: Always check for cables and pipes before drilling and use suitable protective equipment.

# ZIP-FIX®

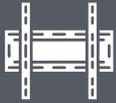
## CAVITY FIXING

# RAPID INSTALLATION

Heavy duty cavity wall anchor for use in **plasterboards**, most **hollow concrete blocks**, **cavity walls** and **ceilings**.

Pack includes both **40mm** and **60mm** screws for a wider variety of fixture thicknesses.

PERFECT  
FOR  
FITTING



TV Brackets



Radiators



Cabinets

### WEIGHTS & MATERIALS



**30 KG**  
DRYWALL /  
PLASTERBOARD  
12.5mm Thickness



**47 KG**  
DOUBLE  
BOARD  
25mm Thickness



**56 KG**  
DENSE  
BOARD  
15mm Thickness



Up To  
**60 KG**  
HOLLOW  
BLOCK

### TECHNICAL DATA

Substrate	Plasterboard 12.5mm Thickness	25mm Double Board	15mm Dense Board	Block
Thread Ø (mm)	M6	M6	M6	M6
Drill Hole Ø (mm)	13	13	13	13
Rec. Tensile Load (kN)	0.30	0.47	0.56	0.60
Max Rec. Load (kg)	30	47	56	60

Product Code	Screw Lengths (mm)	Thread Ø (mm)	FCH Ø (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
--------------	--------------------	---------------	------------	----------	----------------	--------------------	--------------------

#### BOX

ZIP650	40 and 60	M6	6	45	50	8	192
--------	-----------	----	---	----	----	---	-----

ANC03

#### BAG

ZIP6	40 and 60	M6	6	45	10	42	1260
------	-----------	----	---	----	----	----	------

FCH = FIXTURE CLEARANCE HOLE. MFT = MAX. FIXTURE THICKNESS

ANC03



Drill a 13mm hole in the substrate. 50mm cavity clearance required behind substrate.



Ensuring the thumb tab faces upwards, insert the metal toggle through the hole, so it pivots down behind the substrate.



Zip the nylon collar towards the wall so the collar sits into the drilled hole. Then snap off the nylon arms.



Insert a M6 screw through the fixture and into the threaded part of Zip-Fix and tighten until secure.

# STELLA-FIX

## UNIVERSAL ANCHOR

EASY INSTALLATION, JUST **PUSH & FIX**

A highly effective universal anchor for fixing heavy loads to plasterboard, cavities and solid materials.

### TECHNICAL DATA

Substrate	Plasterboard 12.5mm Thickness	Dense board 15mm Thickness	Double board 25mm Thickness
Anchor Type	Red	Red	Black
Anchor Length (mm)	49	49	59
Drill Hole Ø (mm)	10	10	10
Rec. Tensile Load (kN)	0.33	0.41	0.48
Max Rec. Load (kg)	33	41	48

PERFECT FOR  
DOUBLE  
BOARD

PERFECT FOR  
SINGLE  
BOARD



### WEIGHTS & MATERIALS

**33**  
KG  
**DRYWALL /  
PLASTERBOARD**  
25mm Thickness

**41**  
KG  
**DENSE  
BOARD**  
25mm Thickness

Up To  
**48**  
KG  
**DOUBLE  
BOARD**  
15mm Thickness

### PERFECT FOR FITTING



Product Code	Screw Size (mm)	Plug Length (mm)	Board Thickness (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>							
<b>RED FIXING</b>							
STRED55	M5 x 55	49	3 - 18	15	25	10	1200
STRED80	M5 x 80	49	3 - 18	40	25	10	800
<b>BLACK FIXING</b>							
STBLACK65	M5 x 65	59	18 - 30	12	25	10	1200
STBLACK90	M5 x 90	59	18 - 30	38	25	10	800

MFT = MAX FIXTURE THICKNESS ANCO4



Product Code	Screw Size (mm)	Plug Length (mm)	Board Thickness (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)
<b>PACK</b>						
<b>RED FIXING</b>						
725374	M5 x 55	49	3 - 18	15	4	5
725146	M5 x 80	49	3 - 18	40	4	5
<b>BLACK FIXING</b>						
725012	M5 x 65	59	18 - 30	12	4	5
725973	M5 x 90	59	18 - 30	38	4	5

MFT = MAX FIXTURE THICKNESS PAK45

### DRILL



Drill a 10mm hole in the substrate.

### PUSH



Push the Stella-Fix plug firmly into the hole.

### INSERT



Insert the Stella-Fix screw through the fixing.

### FIX



Tighten the screw until the fixing is secure.

# Cavity Fixings



## Spring Toggles

Zinc



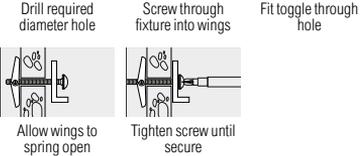
A cavity fixing that is ideal for overhead installations.

The wings spread the load over a wider area making them more suited for heavier loads.

**11 - 26KG**

### Technical Data

Substrate	Plasterboard 12.5mm Thickness		
	M3	M5	M6
Screw Ø (mm)	11	14	18
Drill Hole Ø (mm)	20	30	30
Min. Cavity Depth (mm)	0.11	0.22	0.26
Rec. Tensile Load (kN)	11	22	26
Max Rec. Load (kg)			



Product Code	Screw Ø x L (mm)	Wall & Fixture Thickness (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
TOG350	M3 x 50	30	100	12	240
TOG550	M5 x 50	20	100	12	192
TOG575	M5 x 75	45	100	12	192
TOG5100	M5 x 100	70	100	6	96
TOG675	M6 x 75	45	100	6	96
					ANC02
<b>TIMBAG</b>					
TOG550B	M5 x 50	20	55	5	600
TOG575B	M5 x 75	45	50	5	600
					BAG23
<b>TIMPAC</b>					
TOG550P	M5 x 50	20	4	5	-
TOG575P	M5 x 75	45	4	5	-
					PAK34

## Metal Cavity Anchors

Zinc



COMBI



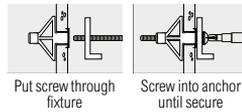
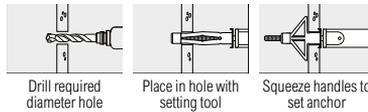
A cavity fixing that is ideal for hanging radiators, brackets, hand rails and shelving units.

When installing multiple anchors a setting tool is recommended.

**22 - 37KG**

### Technical Data

Substrate	Plasterboard 12.5mm Thickness		
	M4	M5	M6
Screw Ø (mm)	8.0	10.0	12.0
Drill Hole Ø (mm)	4.0	5.0	6.0
Fixture Hole Ø (mm)	0.22	0.22	0.37
Max Rec. Load (kg)	22	22	37



Product Code	Screw Ø x L (mm)	Anchor Length (mm)	Grip Board (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
40038CA	M4 x 45	38	8 - 16	100	20	640
40045CA	M4 x 50	45	16 - 23	100	20	640
50037CA	M5 x 45	37	6 - 13	100	20	480
50052CA	M5 x 60	52	7 - 16	100	10	320
50065CA	M5 x 70	65	17 - 32	100	10	320
60052CA	M6 x 60	52	7 - 16	100	10	320
60065CA	M6 x 70	65	17 - 32	100	10	280
						ANC01
<b>TIMBAG</b>						
50037CAB	M5 x 45	37	6 - 13	70	5	600
50052CAB	M5 x 60	52	7 - 16	60	5	600
60065CAB	M6 x 70	65	17 - 32	40	5	600
						BAG22
<b>TIMPAC</b>						
50037CAP	M5 x 45	37	6 - 13	4	5	-
50052CAP	M5 x 60	52	7 - 16	3	5	-
						PAK33

## Setting Tool



A handy and efficient tool used to set cavity anchors.

Product Code	Pack Qty (pcs)	Carton Qty (packs)
SETOOL	1	30

### BOX

SETOOL	1	30
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## Metal Speed Plugs

Zinc



COMBI



A rapid light duty plasterboard fixing for use in a wide range of applications.

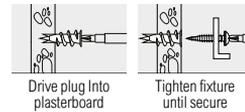
Cross-recess head allows simple installation with a screw driver.

Note: Only metal speed plugs come with screws

**5 - 14KG**

### Technical Data

Substrate	Plasterboard 12.5mm Thickness	
	Metal	Nylon
Type	6.0	
Max. Fixture Thickness (mm)	0.14	
Rec. Tensile Load (kN)	14	5
Max Rec. Load (kg)		



Product Code	Plug Length (mm)	Screw Ø x L (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
--------------	------------------	------------------	----------------	--------------------	--------------------

<b>BOX</b>					
TBAZS	31.5	4.5 x 30	100	20	640
					ANP01

<b>TUB</b>					
TBAZST	31.5	4.5 x 30	300	20	-
					ANP01

<b>TIMBAG</b>					
TBAZSB	31.5	4.5 x 30	75	5	870
					BAG24

<b>TIMPAC</b>					
TBAZSP	31.5	4.5 x 30	5	5	-
					PAK35

## Nylon Speed Plugs



Nylon speed plugs are ideal for electrical installation due to non-conductivity of nylon material.

Note: A 6mm pre-drilled hole may be required in harder plasterboards.

Product Code	Plug Length (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
--------------	------------------	----------------	--------------------	--------------------

<b>BOX</b>				
TBAN	42	100	10	30,000
				ANP02

## Hammer-In Fixings

Yellow



Rapid light duty plasterboard fixing with zinc plating & yellow passivation to enhance corrosion resistance.



Hammer the metal plug into plasterboard

Tighten fixture until secure

**15KG**

### Technical Data

Substrate	Plasterboard 12.5mm Thickness
Screw Size (mm)	4.0 x 30
Metal Plug Size (mm)	11 x 30
Max. Fixture Thickness (mm)	6.0
Rec. Tensile Load (kN)	0.15
Max Rec. Load (kg)	15

Product Code	Screw Ø x L (mm)	Metal Plug Size (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
HPF30	4.0 x 30	11.0 x 30	100	18	648 ANP03
<b>TIMPAC</b>					
HPF30P	4.0 x 30	11.0 x 30	10	5	- PAK36

## Plastic Plugs



### Premium Plastic Plugs



Premium plugs with improved pull-out loads and anti-rotation fins compared to standard plugs.

Loose and off the sprig for quicker and more convenient installation on site.

**7 - 50 KG**

### Technical Data

Substrate	C20/25 Concrete		
	Yellow	Red	Brown
Colour	Yellow	Red	Brown
Plug Length (mm)	25	34	42
Drill Hole Ø (mm)*	5.0	5.5	7.0
To Fit Screw Ø (mm)	3.0 - 4.5	3.5 - 4.8	4.5 - 6.0
To Fit Screw Ø (Imp.)	4 - 8	6 - 10	8 - 12
Rec.Tensile Load (kN)	0.069	0.18	0.5
Max Rec. Load (kg)	7	18	50
Tested using screw Ø (mm)	3.5	4.0	5.0

\* It may be beneficial to reduce drill diameter in soft materials.

Product Code	Colour	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>				
RPLUGPREM200	Red	200	5	-
BPLUGPREM200	Brown	200	5	-
BAG25				
<b>BAG</b>				
YPLUGPREM	Yellow	1000	40	-
RPLUGPREM	Red	1000	30	900
BPLUGPREM	Brown	1000	15	600
<b>TUB</b>				
RPLUGPREMT	Red	850	20	-
BPLUGPREMT	Brown	600	20	-
PLU01				

### Plastic Plugs



Suitable for all kinds of concrete and masonry substrate materials. Ideal for medium and lightweight applications. It may be beneficial to reduce drill diameter in soft materials.

### Technical Data

Colour	Yellow	Red	Brown	Blue
Plug Length (mm)	25	30	36	48
Drill Hole Ø (mm)*	5.0	5.5	7.0	10.0
MDHD (mm)**	30	35	45	55
To Fit Screw Ø (mm)	3.0 - 4.5	3.5 - 5.0	4.0 - 6.0	6.0 - 8.0
To Fit Screw Ø (Imp.)	4 - 8	6 - 10	8 - 12	12 - 15

\* It may be beneficial to reduce drill diameter in soft materials.

\*\* Min. Drill Hole Depth

Boxes - Yellow, Red and Brown sold in multiples of 1000.  
Blue plug sold in multiples of 400.

Product Code	Colour	Sprig Qty	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (SPRIGS)</b>					
YPLUG	Yellow	20	100	100	1200
RPLUG	Red	10	100	100	800
BPLUG	Brown	10	100	100	500
BLPLUG	Blue	10	40	100	500
PLU01					

<b>TIMBAG (LOOSE)</b>					
RPLUGB	Red	N/A	450	5	600
BPLUGB	Brown	N/A	300	5	600
BAG25					

<b>TIMPAC (LOOSE)</b>					
YPLUGP	Yellow	N/A	50	10	-
RPLUGP	Red	N/A	30	10	-
BPLUGP	Brown	N/A	20	10	-
BLPLUGP	Blue	N/A	10	10	-
PAK37					

### Plastic Plugs with Screws



Suitable for all kinds of concrete and masonry substrate materials. Ideal for medium and lightweight applications.

### Technical Data

Colour	Red	Brown
Plug Length (mm)	30	36
Drill Hole Ø (mm)*	5.5	7.0
Min. Drill Hole Depth (mm)	35	45
To Fit Screw Ø (mm)	3.5 - 5.0	4.0 - 6.0
To Fit Screw Ø (Imp.)	6 - 10	8 - 12

\* It may be beneficial to reduce drill diameter in soft materials.

Product Code	Colour	Screw Size (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>					
SRPLUGB	Red	4.0 x 40	400	5	600
SBPLUGB	Brown	5.0 x 50	250	5	600
BAG25					
<b>TIMPAC</b>					
SRPLUGP	Red	4.0 x 40	50	10	-
SBPLUGP	Brown	5.0 x 50	30	10	-
PAK37					

# Masonry Fixings



## Nylon Universal Plugs



Versatile plugs manufactured from durable nylon. Superior performance in both hollow or solid materials. Perfect for applications where there is uncertainty with regards to the type of base material.



Substrate	Technical Data					
	Concrete ≥25N/mm <sup>2</sup>			Plasterboard 12.5mm Thickness**		
Plug Size (mm)	6 x 30	8 x 40	10 x 50	6 x 30	8 x 40	10 x 50
Drill Hole Ø (mm)	6	8	10	6	8	10
Drill Hole Depth (mm)	40	50	60	-	-	-
Test Screw Size (mm)	4.5 x 40	5.0 x 50	6.0 x 60	3.5 x 40	4.0 x 50	4.5 x 70
Rec. Tensile Load (kN)	0.08	0.39	0.9	0.03	0.08	0.12
Max Rec. Load (kg)	8	39	90	3	8	12
Rec. Screw Ø (mm)	4.0-4.5	4.5-5.0	5.0-6.0	3.5	4.0	4.5
Min. Req. Screw Length (mm)*	30	40	50	40	50	60

Product Code	Plug Size (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>				
224411	6.0 x 30	200	5	600
224209	8.0 x 40	100	5	600
224186	10.0 x 50	70	5	600
BAG07				
<b>TIMPAC</b>				
725411	6.0 x 30	20	10	-
725209	8.0 x 40	10	10	-
725185	10.0 x 50	5	10	-
PAK13				

\* Add thickness of fixture to Min. required screw length  
 \*\* We do not recommend the use of power tools when fixing to plasterboard.

## Coach Screw & Nylon Plug

Zinc



A traditional heavy duty woodscrew mainly used for attaching ironmongery to timber or for use with a nylon plug into masonry.

NOTE: Thread length is 2/3 of the overall length screw. E.g. 100mm = 60mm thread.

Technical Data			
Screw Size (mm)	6.0	8.0	
Socket Size (mm)	10	13	
Plug Ø (mm)	10.0	12.0	
Drill Hole Ø (mm)*	10.0	12.0	

Product Code	Screw Size (mm)	Plug Size (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>					
0660CSCNB	6.0 x 60	10.0 x 50	40	5	200
0680CSCNB	6.0 x 80	10.0 x 50	30	5	150
08100CSCNB	8.0 x 100	12.0 x 60	12	5	60
BAG06					

TIMPAC					
0660CSCNP	6.0 x 60	10.0 x 50	2	5	-
0680CSCNP	6.0 x 80	10.0 x 50	2	5	-
08100CSCNP	8.0 x 100	12.0 x 60	2	5	-
PAK12					

## Nylon Plugs

Nylon



Manufactured from a more durable material than standard plugs and therefore better suited for outdoor use. Often used with coach screws.

Technical Data					
Plug Ø (mm)	6.0	8.0	10.0	12.0	14.0
Drill Hole Ø (mm)*	6.0	8.0	10.0	12.0	14.0

Product Code	Plug Size (mm)	For Screw Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>					
06NLPB	6.0 x 30	3.5-5.0	200	5	870
08NLPB	8.0 x 40	5.0-6.0	100	5	870
10NLPB	10.0 x 50	6.0-8.0	70	5	600
12NLPB	12.0 x 60	8.0-10.0	50	5	600
14NLPB	14.0 x 75	10.0-12.0	30	5	600
BAG07					

TIMPAC					
06NLPB	6.0 x 30	3.5-5.0	20	10	-
08NLPB	8.0 x 40	5.0-6.0	10	10	-
10NLPB	10.0 x 50	6.0-8.0	5	10	-
12NLPB	12.0 x 60	8.0-10.0	2	10	-
14NLPB	14.0 x 75	10.0-12.0	2	10	-
PAK13					

## Metal Expansion Plugs

Yellow



An all steel fixing for light weight aggregate blocks. Ideal for fixing in areas such as fire escape routes where regulations restrict the use of plastic anchors or plugs.

- Conforms to BS 7671:2018



ALL STEEL NON-FLAMMABLE FIXING



Technical Data				
Substrate	Concrete Block 7N/mm <sup>2</sup>			
Plug Ø (mm)	6.0	8.0	10.0	
Drill Hole Ø (mm)	6.0	8.0	10.0	
Min. Embedment Depth (mm)	32	38	60	
Test Screw Ø (mm)	4.5	5.0	6.0	
Rec. Tensile Load (kN)	0.2	0.4	0.5	
Max Rec. Load (kg)	20	40	50	

Note: Drill hole size is relative to the compressive strength of the substrate. When fixing into concrete, the above drill holes sizes should be increased to prevent damage to the plug during installation.

Product Code	Size Ø x L (mm)	For Screw Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
632MEP	6.0 x 32	4.5-5.0	100	18	864
838MEP	8.0 x 38	5.0-6.0	50	18	864
860MEP	8.0 x 60	5.0-6.0	50	10	500
1060MEP	10.0 x 60	6.0-8.0	50	10	500
MEP01					

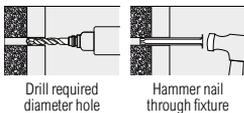
## Express Nails

Zinc



CONCRETE BRICK STONE

An underestimated rapid hammer-set anchor for concrete and masonry, ideal for interior timber-work such as battens and frames.



Drill required diameter hole Hammer nail through fixture



28-150KG

### Technical Data

Substrate	Concrete $\geq 25N/mm^2$		Fletton Brick 30N/mm <sup>2</sup>		Cheshire Brick 45N/mm <sup>2</sup>		Class B Eng. Brick 75N/mm <sup>2</sup>	
	6.0	8.0	6.0	8.0	6.0	8.0	6.0	8.0
Size $\varnothing$ (mm)	6.0	8.0	6.0	8.0	6.0	8.0	6.0	8.0
Drill Hole $\varnothing$ (mm)	6.0	8.0	6.0	8.0	6.0	8.0	6.0	8.0
Fixture Clearance Hole $\varnothing$ (mm)	7.0	9.0	7.0	9.0	7.0	9.0	7.0	9.0
Min. Embed. Depth (mm)	30	40	30	40	30	40	30	40
Min. Drill Hole Depth (mm)	40	50	40	50	40	50	40	50
Rec. Tensile Load (kN)	0.52	1.50	0.48	0.61	0.29	0.53	0.28	0.62
Max Rec. Load (kg)	52	150	48	61	29	53	28	62

Product Code	Size (mm)	MFT* (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
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### BOX

00650EN	6.0 x 50	20	200	16	384
00660EN	6.0 x 60	30	100	15	540
00680EN	6.0 x 80	50	100	15	540
00870EN	8.0 x 70	30	100	18	432
00890EN	8.0 x 90	50	50	35	840
08110EN	8.0 x 110	70	50	15	540
08130EN	8.0 x 130	90	50	15	540
08150EN	8.0 x 150	110	50	12	324
08180EN	8.0 x 180	140	50	12	288

ENX01

### TIMBAG

00660ENB	6.0 x 60	30	90	5	600
00680ENB	6.0 x 80	50	70	5	600
00890ENB	8.0 x 90	50	45	5	600
08110ENB	8.0 x 110	70	35	5	600
08150ENB	8.0 x 150	110	30	5	600

BAG26

### TIMPAC

00660ENP	6.0 x 60	30	8	5	-
00680ENP	6.0 x 80	50	6	5	-
00890ENP	8.0 x 90	50	6	5	-
08110ENP	8.0 x 110	70	4	5	-
08130ENP	8.0 x 130	90	6	5	-

\*MFT = MAX FIXTURE THICKNESS

PAK38

## Wirehangers

Zinc



CONCRETE

Specifically designed for use in the suspended ceiling industry when securing suspension wires to concrete beams.

• Conforms to BS 7671:2018



ALL STEEL NON-FLAMMABLE FIXING

### Technical Data

188KG

Substrate	Concrete $\geq 25N/mm^2$
Size $\varnothing$ (mm)	6.0
Drill Hole $\varnothing$ (mm)	6.0
Embedment Depth (mm)	45
Min. Embedment Depth (mm)	50
Rec. Tensile Load (kN)	1.88
Max Rec. Load (kg)	188



Drill required diameter hole Lightly tap the anchor into the hole Set anchor using a claw hammer

Product Code	Size $\varnothing$ x L (mm)	Eye $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
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### BOX

0660WH	6.0 x 60	6.3	100	16	640
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WHG01

## Ceiling Anchors

Zinc



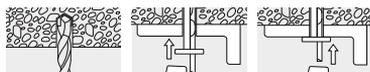
CONCRETE

A rapid light duty hammer-set anchor for attaching sheet metal, plastic or wood to concrete or masonry. Made from steel making it ideal for overhead applications.

### Technical Data

72KG

Substrate	Concrete $\geq 25N/mm^2$
Size $\varnothing$ (mm)	6.0
Drill Hole $\varnothing$ (mm)	6.0
Fixture Clearance Hole $\varnothing$ (mm)	6.5
Min. Embedment Depth (mm)	35
Min Drill Hole Depth (mm)	45
Rec. Tensile Load (kN)	0.72
Max Rec. Load (kg)	72



Drill required diameter hole Insert fixing through attachment Hammer wedge into anchor to secure

Product Code	Size $\varnothing$ x L (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
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### BOX

0640CAM	6.0 x 40	5	100	15	540
0665CAM	6.0 x 65	30	100	8	384

MFT = MAX FIXTURE THICKNESS.

CAM01

## Ceiling Angle Brackets

Galvanised Steel



Versatile bracket most commonly used for installing suspended ceiling systems. Various hole sizes allow different fixings to be used.

Product Code	Size L x W x H (mm)	Hole $\varnothing$ (mm)	Hole T (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
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### BOX

25ABC	25 x 25 x 22	4.5 & 7.0	1.0	100	18	864
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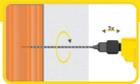
WHG03

# ziel-plast®

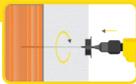
## European manufacturer of insulation fasteners



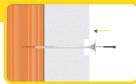
**CE approved**  
to Regulation  
(EU) 305/2011 &  
third-party tested  
(ETA-23/0351)



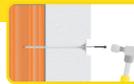
Drill the hole perpendicular to the substrate surface. Clean the drill hole.



Drill the recess for immersed installation with the tool ZP-FS.



Place the anchor into the drilled hole. The bottom side of the plate must be flush with the ETICS.



Drive in the specific nail with the hammer.



Insert the insulation cover.



Installed condition.

## ETX-M Insulation Fixings

NEW

Steel

Advanced hammer-in insulation fixing with a steel pin and an impact resistant head for fixing external thermal insulation (ETICS) into concrete and masonry.

- Steel pin with plastic insulator prevents the formation of a thermal bridge
- Specifically designed to reduce installation time
- Increased strength parameters
- Compatible with TDW110 Insulation Fixing Washer for easier installation of softer materials such as insulation wool



CONCRETE BRICK BLOCK

Product Code	Size Ø x L (mm)	Max. Fixture Thickness (mm)	Drill Hole Ø (mm)	Min. Embedment Depth (mm)	Pack Qty (pcs)	Pallet Qty (packs)
<b>BOX</b>						
EM095	8.0 x 95	70	8.0	25	100	100
EM115	8.0 x 115	90	8.0	25	100	100
EM135	8.0 x 135	110	8.0	25	100	100
EM155	8.0 x 155	130	8.0	25	100	100
EM175	8.0 x 175	150	8.0	25	100	84
EM195	8.0 x 195	170	8.0	25	100	84
EM215	8.0 x 215	190	8.0	25	100	84
EM235	8.0 x 235	210	8.0	25	100	56
EM255	8.0 x 255	230	8.0	25	100	56
EM275	8.0 x 275	250	8.0	25	100	56
EM295	8.0 x 295	270	8.0	25	100	56

ZPL01

See website for technical and performance data.

## FIX-PA Insulation Fixings

NEW

Hammer-in insulation fixing with a polyamide pin for fixing external thermal insulation (ETICS) into concrete or masonry.

- Impact resistant
- Double anchoring zones means one dowel can be used in different insulation thicknesses
- Surface or recessed mounting
- Compatible with TDW110 Insulation Fixing Washer



CONCRETE BRICK BLOCK



Product Code	Size Ø x L (mm)	Max. Fixture Thickness (mm)	Drill Hole Ø (mm)	Min. Embedment Depth (mm)	Pack Qty (pcs)	Pallet Qty (packs)
<b>BOX</b>						
PA100	10.0 x 100	65	10.0	35	100	100
PA120	10.0 x 120	85	10.0	35	100	100
PA140	10.0 x 140	105	10.0	35	100	100
PA160	10.0 x 160	125	10.0	35	100	100
PA180	10.0 x 180	145	10.0	35	100	84
PA200	10.0 x 200	165	10.0	35	100	84
PA220	10.0 x 220	185	10.0	35	100	84
PA240	10.0 x 240	205	10.0	35	100	56
PA260	10.0 x 260	225	10.0	35	100	56
PA280	10.0 x 280	245	10.0	35	100	56
PA300	10.0 x 300	265	10.0	35	100	56

ZPL01

See website for technical and performance data.

NEW

**ziel-plast**<sup>®</sup>

Insulation Fixings



## Insulation Fixing Washers

For mechanical installation of thermal insulation materials, especially heavy mineral wool, which requires solid and reliable protection against displacement.

- Increased impact resistance
- Large surface area
- Snap system design (FIX-PA only)



Product Code	Ø (mm)	Pack Qty (pcs)	Pallet Qty (packs)
<b>BOX</b>			
TDW110	110	100	288

ZPL03

## Plastic Insulation Washers

For fixing the outer layer of thermal insulation materials to timber, OSB boards or sheet metal substrates with an appropriate screw.

- Large surface area
- Impact resistant
- Surface or recess fitted
- Eliminates thermal bridging and ensures an aesthetic finish.



Product Code	Ø (mm)	To Fit Screw Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>					
TAD60	60	5.0 - 6.0	100	10	400

ZPL03

## Insulation Disc Cutter

For the cutting of holes when recess mounting insulation fixings. Used in conjunction with ZB100 styrofoam insulation discs.

- Durable
- The stop collar gives you control of the drilling depth



Product Code	Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>				
ZPFS	67	1	100	4000

ZPL04

## Insulation Discs

For the filling of assembly cavities after the use of 67mm cutter when recess mounting insulation fixings.



Product Code	Ø (mm)	Pack Qty (pcs)	Pallet Qty (packs)
<b>BOX</b>			
ZB100	67	100	150

ZPL04

# Metal Insulation Fixings



## Metal Insulation Fixings

Zinc

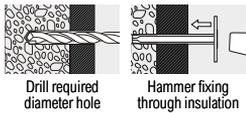


Designed to anchor insulation material to concrete and masonry substrate materials. To reduce risk of thermal transmission use TIMCO plastic cover caps.



### Technical Data

Substrate	Concrete ≥ 25N/mm <sup>2</sup>
Type	Metal
Drill Hole Ø (mm)	8.0
Min. Embedment Depth (mm)	50
Min. Drill Hole Depth (mm)	60
Rec. Tensile Load (kN)	0.20
Max Rec. Load (kg)	20



Product Code	Size Ø x L (mm)	Max. Fixture Thickness (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>					
MIF60	8.0 x 60	10	100	6	240
MIF90	8.0 x 90	40	100	4	160
MIF110	8.0 x 110	60	100	3	120
MIF140	8.0 x 140	90	100	3	120
MIF170	8.0 x 170	120	50	5	200
MIF200	8.0 x 200	150	50	4	160
MIF250	8.0 x 250	200	50	5	200
MIF300	8.0 x 300	250	50	5	200

TAF01

## Plastic Cover Cap For Metal Insulation Fixings



For aesthetics, where metal insulation fixing heads are left exposed after installation. Also reduces the risk of thermal transmission when used with metal insulation fixings.

Product Code	Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>				
MIFC	38	100	25	300

TAF01

## Plastic Insulation Fixings

Plastic

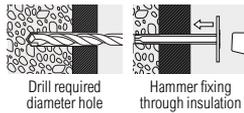


One piece impact resistant copolymer.



### Technical Data

Substrate	Concrete ≥ 25N/mm <sup>2</sup>
Type	Plastic
Drill Hole Ø (mm)	8.0
Min. Embedment Depth (mm)	40
Min. Drill Hole Depth (mm)	50
Rec. Tensile Load (kN)	0.15
Max Rec. Load (kg)	15



Product Code	Size Ø x L (mm)	Max. Fixture Thickness (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>					
PIF50	8.0 x 50	10	100	10	240
PIF70	8.0 x 70	30	100	10	240
PIF90	8.0 x 90	50	100	8	192
PIF110	8.0 x 110	70	100	8	192
PIF130	8.0 x 130	90	100	8	192

TAF01

## Metal Oval Stress Plate

Pre Galvanised



## Metal Insulation Discs

Pre Galvanised



MID35

Large diameter head for use with screws to hold insulation material to battens. Also used for ceiling crack repairs.



MID70



MID80

Provides a larger surface area when using metal insulation fixings to hold lighter or softer insulation to masonry. Simply slide the fixing through prior to installation. Use with metal insulation fixings. Can also be used with large gauge and long screws for fixing insulation to timber.

Stainless Steel



MID36SS

Large diameter head for use with countersunk screws to hold insulation material to battens. Stainless steel material for improved corrosion resistance.

Product Code	Ø (mm)	Hole Size Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
<b>Pre Galvanised</b>					
MID35	35	5.0	100	35	840
MID70	70	10.0	100	8	384
MID80	85	12.0	50	16	384
<b>Stainless Steel</b>					
MID36SS	36	5.5	100	35	840

TAF01

## Concrete & Masonry Fixings



### Zinc

**Zinc**

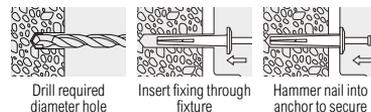
CONCRETE

**70KG**

**Technical Data**

Substrate	Concrete $\geq 25N/mm^2$
Size $\varnothing$ (mm)	6.0
Drill Hole $\varnothing$ (mm)	6.0
Fixture Clearance Hole $\varnothing$ (mm)	6.5
Min. Embedment Depth (mm)	25
Min Drill Hole Depth (mm)	35
Rec. Tensile Load (kN)	0.70
Max Rec. Load (kg)	70

A rapid light duty hammer-set anchor for attaching sheet metal, plastic or wood to concrete or masonry.  
Note: Not recommended for overhead applications



Product Code	Size (mm)	Max. Fixture Thickness (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
0630ZNA	6.0 x 30	5	100	10	300
0640ZNA	6.0 x 40	15	100	10	300
0650ZNA	6.0 x 50	25	100	8	240
0665ZNA	6.0 x 65	40	100	8	240

NAA01

### Nylon Hammer Fixings

Zinc

A light duty hammer-set through fixing for brick, block, stone, masonry and concrete.



**17-55KG**

**Technical Data**

Substrate	Fletton Brick 30 N/mm <sup>2</sup>			Cheshire Brick 45 N/mm <sup>2</sup>			Class B Eng. Brick 75 N/mm <sup>2</sup>			Concrete $\geq 25N/mm^2$		
	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0
Size $\varnothing$ (mm)	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0
Drill Hole $\varnothing$ (mm)	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0	5.0	6.0	8.0
Embedment Depth (mm)	25	25	40	25	25	40	25	25	40	25	25	40
Min. Drill Hole Depth (mm)	35	35	50	35	35	50	35	35	50	35	35	50
Rec. Tensile Load (kN)	0.19	0.21	0.48	0.21	0.27	0.55	0.17	0.28	0.52	0.19	0.22	0.49

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
50030HF	5.0 x 30	5	PZ2	200	15	540
50050HF	5.0 x 50	25	PZ2	200	16	288
60040HF	6.0 x 40	15	PZ2	200	12	288
60050HF	6.0 x 50	25	PZ2	200	12	288
60060HF	6.0 x 60	35	PZ2	200	12	288
60070HF	6.0 x 70	45	PZ2	200	12	288
60080HF	6.0 x 80	55	PZ2	200	8	192
80060HF	8.0 x 60	20	PZ3	100	8	192
80080HF	8.0 x 80	40	PZ3	100	8	192
80100HF	8.0 x 100	60	PZ3	100	8	192
80120HF	8.0 x 120	80	PZ3	100	6	144
80140HF	8.0 x 140	100	PZ3	100	6	144

NHF01

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>						
60040HFB	6.0 x 40	15	PZ2	135	5	600
60060HFB	6.0 x 60	35	PZ2	100	5	600
60080HFB	6.0 x 80	55	PZ2	80	5	600
80100HFB	8.0 x 100	60	PZ3	40	5	600

BAG27

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMPAC</b>						
60040HFP	6.0 x 40	15	PZ2	10	5	-
60060HFP	6.0 x 60	35	PZ2	10	5	-
60080HFP	6.0 x 80	55	PZ2	10	5	-
80100HFP	8.0 x 100	60	PZ3	8	5	-

PAK39

### Nylon Frame Fixings

Zinc

A versatile and reliable fixing for attaching to brick, block, stone, masonry and concrete.



**20-70KG**

**Technical Data**

Substrate	Fletton Brick 30N/mm <sup>2</sup>		Cheshire Brick 45N/mm <sup>2</sup>		Class B Eng. Brick 75N/mm <sup>2</sup>		Concrete Block 7N/mm <sup>2</sup>		Concrete $\geq 25N/mm^2$	
	8.0	10	8.0	10	8.0	10	8.0	10	8.0	10
Size $\varnothing$ (mm)	8.0	10	8.0	10	8.0	10	8.0	10	8.0	10
Drill Hole (mm)	8.0	10	8.0	10	8.0	10	8.0	10	8.0	10
Min. Embedment Depth (mm)	40	50	40	50	40	50	40	50	40	50
Min. Drill Hole Depth (mm)	50	60	50	60	50	60	50	60	50	60
Rec. Tensile Load (kN)	0.25	0.46	0.44	0.65	0.43	0.38	0.20	0.24	0.50	0.70

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
08080NFF	8.0 x 80	40	PZ3	100	8	192
08100NFF	8.0 x 100	60	PZ3	100	6	144
08120NFF	8.0 x 120	80	PZ3	100	6	144
10080NFF	10.0 x 80	30	PZ3	100	6	144
10100NFF	10.0 x 100	50	PZ3	100	4	96
10120NFF	10.0 x 120	70	PZ3	100	4	96
10140NFF	10.0 x 140	90	PZ3	100	4	96
10160NFF	10.0 x 160	110	PZ3	100	4	144

NFF01

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>						
08080NFFB	8.0 x 80	40	PZ3	50	5	600
08100NFFB	8.0 x 100	60	PZ3	40	5	600
10100NFFB	10.0 x 100	50	PZ3	30	5	600
10120NFFB	10.0 x 120	70	PZ3	25	5	600
10140NFFB	10.0 x 140	90	PZ3	20	5	600
10160NFFB	10.0 x 160	110	PZ3	15	5	600

BAG28

Product Code	Size (mm)	MFT (mm)	Driver Bit Size	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMPAC</b>						
08080NFFP	8.0 x 80	40	PZ3	5	5	-
08100NFFP	8.0 x 100	60	PZ3	4	5	-
10100NFFP	10.0 x 100	50	PZ3	3	5	-
10120NFFP	10.0 x 120	70	PZ3	2	5	-
10140NFFP	10.0 x 140	90	PZ3	2	4	-
10160NFFP	10.0 x 160	110	PZ3	2	5	-

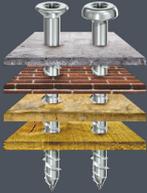
PAK40

# Masonry & Concrete Screws

Pan Head



**Rapid & Effective**  
Masonry & Concrete Screws



**Ideal for fitting**

- Hand rails
- Shelf brackets
- Security lighting
- Metal straps banding

Countersunk



Non-expansion for close to edge fixing



Serrated V-threads for optimum insertion



High-low start threads for rapid pick up

## Masonry Screw - Countersunk

Zinc



- Light duty fixing ideal for ironmongery handrails & brackets
- TX25 TX Drive recess reduces wear & camming out
- Serrated V-threads to achieve optimum insertion
- Conforms to BS 7671



**100 - 150KG**

### Technical Data

Substrate	Concrete $\geq 25\text{N/mm}^2$	
	Length (mm)	Qty
Length (mm)	40-80	100
Drill Hole $\varnothing$ (mm)	5.0	5.0
Min. Embedment Depth (mm)	25	37
Min. Drill Hole Depth (mm)	35	47
Rec. Tensile Load (kN)	1.00	1.50
Max Rec. Load (kg)	100	150

Product Code	Size (mm)	Driver Bit Size	Max. Fixture Thickness (mm)	Fixture Clearance Hole $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (DRIVER BIT INCLUDED)</b>							
640MFCSK	6.0 x 40	TX25	15	6.5	100	18	648
660MFCSK	6.0 x 60	TX25	35	6.5	100	12	432
680MFCSK	6.0 x 80	TX25	55	6.5	100	12	432
6100MFCSK	6.0 x 100	TX25	63	6.5	100	10	360

### TIMPAC

725157	6.0 x 40	TX25	15	6.5	12	10	-
725375	6.0 x 60	TX25	35	6.5	10	10	-
725010	6.0 x 80	TX25	55	6.5	8	10	-
725863	6.0 x 100	TX25	63	6.5	6	10	-

PAK43

## Masonry Screw - Pan Head

Zinc



- Light duty fixing ideal for ironmongery
- TX25 TX Drive recess reduces wear & camming out
- Serrated V-threads to achieve optimum insertion
- Conforms to BS 7671



**100 - 150KG**

### Technical Data

Substrate	Concrete $\geq 25\text{N/mm}^2$	
	Length (mm)	Qty
Length (mm)	40-80	100
Drill Hole $\varnothing$ (mm)	5.0	5.0
Min. Embedment Depth (mm)	25	37
Min. Drill Hole Depth (mm)	35	47
Rec. Tensile Load (kN)	1.00	1.50
Max Rec. Load (kg)	100	150

Product Code	Size (mm)	Driver Bit Size	Max. Fixture Thickness (mm)	Fixture Clearance Hole $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (DRIVER BIT INCLUDED)</b>							
640MFAN	6.0 x 40	TX25	15	6.5	100	18	648
660MFAN	6.0 x 60	TX25	35	6.5	100	12	432
680MFAN	6.0 x 80	TX25	55	6.5	100	12	576
6100MFAN	6.0 x 100	TX25	63	6.5	100	10	360

CON05

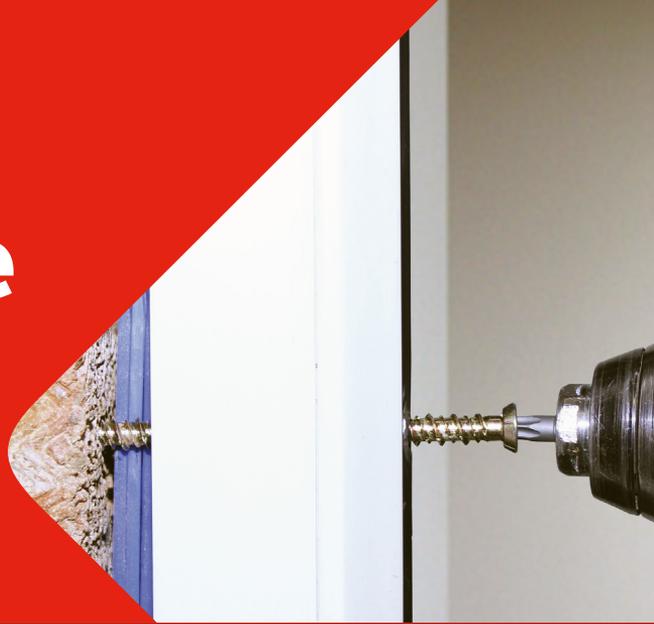
### TIMPAC

725500	6.0 x 40	TX25	15	6.5	12	10	-
725997	6.0 x 60	TX25	35	6.5	10	10	-

PAK44

# Masonry & Concrete Screws

Designed to replace traditional masonry fixings



Non-expansion for close to edge fixing



Serrated V-threads for optimum insertion



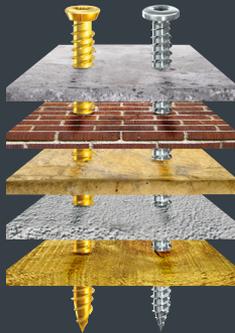
High-low start threads for rapid pick up



## Rapid & Effective Masonry & Concrete Screws

### Ideal for fixing

- Concrete
- Brick
- Stone
- Block
- Wood



Countersunk

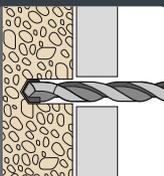
Pan Head



### Install in just 2 easy steps

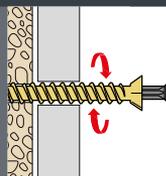
#### 1 Drill

Drill the hole 90° to the substrate. Always over-drill the hole depth for dust/debris.

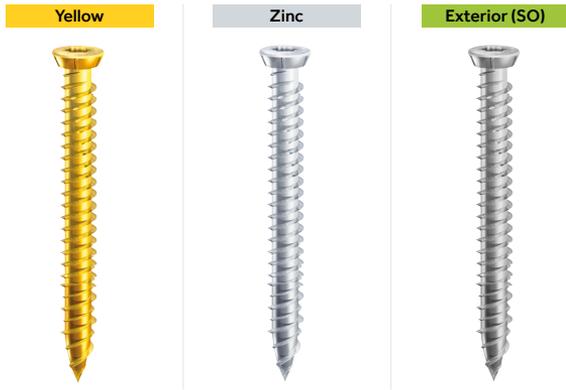


#### 2 Fix

Using a power tool, tighten the fixing firmly against the attachment.



## Concrete Screw - Countersunk



A rapid and effective light duty anchoring system for fixing into concrete, brick, stone, concrete block and wood. This through fixing provides a single solution and replaces traditional fixings such as nylon frame and hammer fixings.



- Conforms to BS 7671:2018



### Technical Data

Substrate	Concrete ≥25N/mm <sup>2</sup>		Fletton Brick 30N/mm <sup>2</sup>		Cheshire Brick 45N/mm <sup>2</sup>		Class B Eng. Brick 75N/mm <sup>2</sup>	
	40-70	80-200	40-70	80-200	40-70	80-200	40-70	80-200
Length (mm)	40-70	80-200	40-70	80-200	40-70	80-200	40-70	80-200
Drill Hole Ø (mm)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Min. Embedment Depth (mm)	35	50	35	50	35	50	35	50
Min. Drill Hole Depth (mm)	45	60	40	60	40	60	40	60
Rec. Tensile Load (kN)	1.07	1.82	1.17	1.79	0.75	1.46	0.85	1.22
Max Rec. Load (kg)	107	182	117	179	75	146	85	122

Product Code	Size (mm)	Driver Bit Size	Max. Fixture Thickness (mm)	Fixture Clearance Hole Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
--------------	-----------	-----------------	-----------------------------	-------------------------------	----------------	--------------------	--------------------

Yellow BOX (TX30 DRIVER BIT INCLUDED)							
00040TCON	7.5 x 40	TX30	5	8.0	100	18	648
00050TCON	7.5 x 50	TX30	15	8.0	100	12	432
00060TCON	7.5 x 60	TX30	25	8.0	100	10	360
00070TCON	7.5 x 70	TX30	35	8.0	100	10	360
00080TCON	7.5 x 80	TX30	30	8.0	100	10	360
00090TCON	7.5 x 90	TX30	40	8.0	100	10	360
00100TCON	7.5 x 100	TX30	50	8.0	100	10	360
00110TCON	7.5 x 110	TX30	60	8.0	100	10	360
00120TCON	7.5 x 120	TX30	70	8.0	100	8	288
00130TCON	7.5 x 130	TX30	80	8.0	100	8	288
00150TCON	7.5 x 150	TX30	100	8.0	100	8	288
00180TCON	7.5 x 180	TX30	130	8.0	100	6	216
00200TCON	7.5 x 200	TX30	150	8.0	100	6	216

TIMBAG							
00050TCONB	7.5 x 50	TX30	15	8.0	100	5	
00060TCONB	7.5 x 60	TX30	25	8.0	85	5	
00070TCONB	7.5 x 70	TX30	35	8.0	75	5	
00080TCONB	7.5 x 80	TX30	30	8.0	65	5	
00100TCONB	7.5 x 100	TX30	50	8.0	55	5	
00120TCONB	7.5 x 120	TX30	70	8.0	45	5	
00150TCONB	7.5 x 150	TX30	100	8.0	30	5	

TIMPAC							
00050TCONP	7.5 x 50	TX30	15	8.0	8	10	
00060TCONP	7.5 x 60	TX30	25	8.0	6	10	
00070TCONP	7.5 x 70	TX30	35	8.0	5	10	
00080TCONP	7.5 x 80	TX30	30	8.0	5	10	
00100TCONP	7.5 x 100	TX30	50	8.0	4	10	
00120TCONP	7.5 x 120	TX30	70	8.0	3	10	
00150TCONP	7.5 x 150	TX30	100	8.0	2	10	

Zinc BOX (TX30 DRIVER BIT INCLUDED)							
00080TCONZ	7.5 x 80	TX30	30	8.0	100	10	360
00100TCONZ	7.5 x 100	TX30	50	8.0	100	10	360
00120TCONZ	7.5 x 120	TX30	70	8.0	100	8	288
00150TCONZ	7.5 x 150	TX30	100	8.0	100	8	288

Exterior (Silver Organic) BOX (TX30 DRIVER BIT INCLUDED)							
80TCONR	7.5 x 80	TX30	30	8.0	100	10	360
100TCONR	7.5 x 100	TX30	50	8.0	100	10	360
120TCONR	7.5 x 120	TX30	70	8.0	100	8	288

## Concrete Screw - Pan Head



A rapid and effective light duty anchoring system for fixing into concrete, brick, stone, concrete block and wood. This through fixing provides a single solution and replaces traditional fixings such as nylon frame and hammer fixings. Zinc plated with a pan head to improve clamping.



Product Code	Size (mm)	Driver Bit Size	Max. Fixture Thickness (mm)	Fixture Clearance Hole Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
BOX (TX30 DRIVER BIT INCLUDED)							
7580MFPAN	7.5 x 80	TX30	30	8.0	100	10	360
75100MFPAN	7.5 x 100	TX30	50	8.0	100	10	360
75120MFPAN	7.5 x 120	TX30	70	8.0	100	8	288

## Cover Caps (for countersunk screws only)

Product Code	Colour	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
BAG				
CAPW100	White	100	100	360
CAPO100	Light Oak	100	100	360
CAPM100	Mahogany	100	100	360

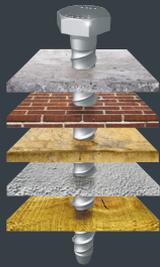
# Masonry Bolts

## Heavy Duty Anchor

Silver organic plating to give ultimate corrosion protection



### Rapid & Effective Heavy Duty Anchor



Fixing for:

- Concrete
- Brick
- Stone
- Block
- Wood

Kesternich test  
3 cycles

Salt Spray  
400 hours



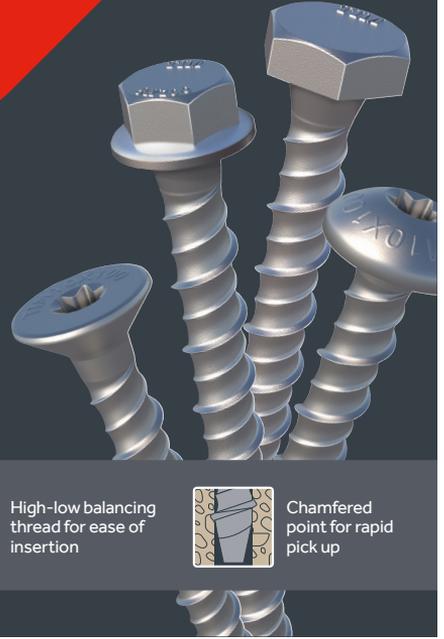
Non-expansion  
for close to  
edge fixing



High-low balancing  
thread for ease of  
insertion



Chamfered  
point for rapid  
pick up



### Exterior

Hex Head

Countersunk

Pan Head



Drill hole into substrate. Always drill to the stated hole depth.

Clean the hole by blowing out the debris.

Screw the bolt into the hole with slight pressure to the bolt.

This stress free, non-expansion through fixing is the new solution for heavy duty anchoring into concrete, brick, stone, wood and concrete block replacing the need for traditional anchors such as throughbolts, shield, sleeve and drop-in anchors.

- Designed to replace traditional expansion anchors
- Micro plating (Nano) technology gives a higher resistance to corrosion
- High-low parallel threads for ease of insertion and high pull out values
- Removable & adjustable non expansion through fixing
- Conforms to BS 7671:2018

**136-1350KG**

### Technical Data

Substrate	Concrete ≥25N/mm <sup>2</sup>						Fletton Brick 30N/mm <sup>2</sup>			Cheshire Brick 45N/mm <sup>2</sup>			Class B Eng. Brick 75N/mm <sup>2</sup>		
	6.0	8.0	10.0	12.0	16.0	6.0	8.0	10.0	6.0	8.0	10.0	6.0	8.0	10.0	
Size (mm)	6.0	8.0	10.0	12.0	16.0	6.0	8.0	10.0	6.0	8.0	10.0	6.0	8.0	10.0	
Length (mm)	50-75	100-150	All	All	All	-	-	-	-	-	-	-	-	-	
Drill Hole Ø (mm)	6.0	6.0	8.0	10.0	12.0	16.0	6.0	8.0	10.0	6.0	8.0	10.0	6.0	8.0	
Fixture Clearance Hole Ø (mm)	8.0	8.0	10.0	12.0	14.0	18.0	8.0	10.0	12.0	8.0	10.0	12.0	8.0	10.0	
Min. Embedment Depth (mm)	30	45	40	50	60	80	30	40	50	30	40	50	30	40	
Min. Over-Drill for Dust (mm)	10	10	15	20	25	35	10	15	20	10	15	20	10	15	
Min. Drill Hole Depth (mm)	40	55	55	70	85	115	40	55	70	40	55	70	40	55	
Min. Centre Spacing (mm)**	90	140	120	150	180	240	-	-	-	-	-	-	-	-	
Min. Edge Distance (mm)**	45	70	60	75	90	120	-	-	-	-	-	-	-	-	
Min. Structure Thickness (mm)	60	100	90	110	125	175	-	-	-	-	-	-	-	-	
Effective Embedment depth (mm)	30	45	40	50	60	85	30	40	50	30	40	50	30	40	
Rec. Tensile Load (kN)	2.44	6.23	3.93	8.36	5.49	12.21	8.97	13.00	13.5	2.28	2.68	3.18	1.36	2.19	
Max Rec. Load (kg)	244	623	393	836	549	1221	897	1300	1350	228	268	318	136	219	

\*\* Centre spacings and edge distances are based on minimum embedment only.

## Masonry Bolt - Hex Head

Exterior



HEX



CONCRETE BRICK



BLOCK WOOD

Product Code	Size (mm)	Socket Size (mm)	MFT (mm)	Carton Qty (pcs)	Pallet Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
MF650	6.0 x 50*	10	20	100	10	300
MF675	6.0 x 75*	10	45	100	6	180
MF6100	6.0 x 100*	10	55	100	6	180
MF6130	6.0 x 130*	10	85	100	6	180
MF6150	6.0 x 150*	10	105	75	6	180
MF860	8.0 x 60	15	20	100	6	180
MF875	8.0 x 75	15	35	100	6	180
MF8100	8.0 x 100	15	60	50	10	300
MF8130	8.0 x 130	15	90	50	6	180
MF8150	8.0 x 150	15	110	50	6	180
MF1060	10.0 x 60	17	10	50	10	300
MF1075	10.0 x 75	17	25	50	6	180
MF10100	10.0 x 100	17	50	50	6	180
MF10130	10.0 x 130	17	80	50	6	180
MF10150	10.0 x 150	17	100	25	6	180
MF1275	12.0 x 75	19	15	50	9	180
MF12100	12.0 x 100	19	40	25	10	300
MF12130	12.0 x 130	19	70	25	6	180
MF12150	12.0 x 150	19	90	25	6	180
MF12200	12.0 x 200	19	140	25	4	120
MF16100	16.0 x 100	27	20	10	8	240
MF16150	16.0 x 150	27	70	10	6	180

SKU01

**TIMBAG**

MF650B	6.0 x 50*	10	20	64	5	600
MF860B	8.0 x 60	15	20	30	5	600
MF875B	8.0 x 75	15	35	26	5	600
MF8100B	8.0 x 100	15	60	20	5	600
MF1060B	10.0 x 60	17	10	18	5	600
MF1075B	10.0 x 75	17	25	14	5	600
MF10100B	10.0 x 100	17	50	12	5	600
MF10150B	10.0 x 150	17	100	8	5	600
MF1275B	12.0 x 75	19	15	12	5	600
MF12100B	12.0 x 100	19	40	8	5	600
MF12130B	12.0 x 130	19	70	6	5	600
MF12150B	12.0 x 150	19	90	6	5	600

BAG32

**TIMPAC**

MF650PRE	6.0 x 50*	10	20	4	5	-
MF875PRE	8.0 x 75	15	35	4	5	-
MF8100PRE	8.0 x 100	15	60	4	5	-
MF1075PRE	10.0 x 75	17	25	4	5	-
MF10100PRE	10.0 x 100	17	50	2	5	-
MF10130PRE	10.0 x 130	17	80	2	5	-
MF10150PRE	10.0 x 150	17	100	2	5	-
MF12100PRE	12.0 x 100	19	40	2	5	-
MF12150PRE	12.0 x 150	19	90	2	5	-
MF16100PRE	16.0 x 100	27	20	2	5	-
MF16150PRE	16.0 x 150	27	70	2	5	-

MFT = MAX FIXTURE THICKNESS

PAK41

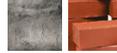
\* Please note: 6.0mm diameter bolts have a hex flange head.

## Masonry Bolt - Countersunk

Exterior



TX DRIVE



CONCRETE BRICK



BLOCK WOOD

Product Code	Size (mm)	Driver Bit Size (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (DRIVER BIT INCLUDED)</b>						
MF860C	8.0 x 60	TX40	20	100	6	180
MF875C	8.0 x 75	TX40	35	100	6	180
MF8100C	8.0 x 100	TX40	60	50	8	240
MF1060C	10.0 x 60	TX50	10	50	8	240
MF1075C	10.0 x 75	TX50	25	50	6	180
MF10100C	10.0 x 100	TX50	50	50	6	180

MFT = MAX FIXTURE THICKNESS

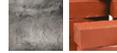
SKU02

## Masonry Bolt - Pan Head

Exterior



TX DRIVE



CONCRETE BRICK



BLOCK WOOD

Product Code	Size (mm)	Driver Bit Size (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (DRIVER BIT INCLUDED)</b>						
MF860P	8.0 x 60	TX40	20	100	6	180
MF875P	8.0 x 75	TX40	35	100	4	180
MF8100P	8.0 x 100	TX40	60	50	6	300
MF1060P	10.0 x 60	TX50	10	50	6	300
MF1075P	10.0 x 75	TX50	25	50	6	180
MF10100P	10.0 x 100	TX50	50	50	6	180

MFT = MAX FIXTURE THICKNESS

SKU03

## Throughbolts

Zinc

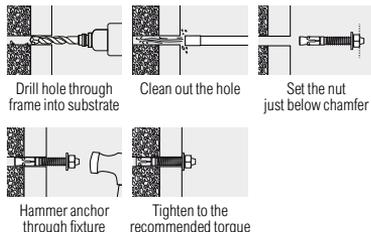


CONCRETE



A versatile through fixing for use in a wide range of anchoring applications into concrete.

NOTE: If no torque wrench is available, tighten the nut 3 to 4 full turns from finger tight.



Hammer anchor through fixture

Tighten to the recommended torque

**292 - 1115KG**

### Technical Data

Substrate	Concrete $\geq 25N/mm^2$				
	M8	M10	M12	M16	M20
Size $\varnothing$ (mm)	M8	M10	M12	M16	M20
Socket Size (mm)	13	17	19	24	30
Drill Hole $\varnothing$ (mm)	8.0	10.0	12.0	16.0	20.0
Fixture Clearance Hole $\varnothing$ (mm)	9.0	12.0	14.0	18.0	22.0
Embedment Depth (mm)	35	45	50	65	80
Min. Drill Hole Depth (mm)	45	50	60	75	90
Centre Spacing (mm)	110	140	150	200	240
Edge Distance (mm)	55	70	75	100	120
Min. Structure Thickness (mm)	70	90	100	130	160
Rec. Tightening Torque (Nm)	15	30	45	100	160
Rec. Tensile Load (kN)	2.92	4.11	7.25	8.08	11.15
Max. Rec. Load (kg)	292	411	725	808	1115

Product Code	Thread $\varnothing \times L$ (mm)	Max. Thickness (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
0850TB	M8 x 50	5	100	8	216
0865TB	M8 x 65	10	100	6	162
0880TB	M8 x 80	25	50	10	360
08100TB	M8 x 100	45	50	6	162
08130TB	M8 x 130	75	50	6	162
1065TB	M10 x 65	5	50	8	216
1075TB	M10 x 75	10	50	6	162
10100TB	M10 x 100	35	50	6	162
10120TB	M10 x 120	55	50	6	162
1280TB	M12 x 80	5	50	6	162
12100TB	M12 x 100	25	25	6	162
12120TB	M12 x 120	45	25	6	162
12140TB	M12 x 140	65	25	6	162
12180TB	M12 x 180	105	25	6	162
16105TB	M16 x 105	5	25	6	162
16125TB	M16 x 125	20	25	6	162
16150TB	M16 x 150	45	15	6	162
16175TB	M16 x 175	70	15	6	162
20130TB	M20 x 130	5	10	6	162
20160TB	M20 x 160	30	10	6	162
20215TB	M20 x 215	85	8	6	162

TIMBAG					
0850TBB	M8 x 50	5	40	5	600
10100TBB	M10 x 100	35	18	5	600
12100TBB	M12 x 100	25	12	5	600
12140TBB	M12 x 140	65	10	5	600
12180TBB	M12 x 180	105	8	5	600

TIMPAC					
0850TBP	M8 x 50	5	4	10	-
10100TBP	M10 x 100	35	2	10	-
12100TBP	M12 x 100	25	2	10	-
12140TBP	M12 x 140	65	2	10	-

## Drop in Anchors

Zinc



An internally threaded hammer set expansion anchor for heavy duty anchoring into concrete.



CONCRETE

Standard version can be inserted below the surface. Also known as wedge anchors.

**129 - 935KG**

### Technical Data

Substrate	Concrete $\geq 25N/mm^2$			
	M6	M8	M10	M12
Size $\varnothing$ (mm)	M6	M8	M10	M12
Drill Hole $\varnothing$ (mm)	8.0	10.0	12.0	16.0
Embedment Depth (mm)	25	30	40	50
Min Drill Hole Depth (mm)	25	30	40	50
Centre Spacing (mm)	75	90	120	150
Edge Distance (mm)	75	90	120	150
Min Structure Thickness (mm)	100	100	100	125
Rec. Tightening Torque (Nm)	3	5	7	16
Rec. Tensile Load (kN)	1.29	2.22	4.65	9.35
Max Rec. Load (kg)	129	222	465	935

Product Code	Thread $\varnothing \times L$ (mm)	Anchor Length (mm)	Min. HD (mm)	FCH $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>							
06WA	M6 x 10	25	25	8.0	100	20	1380
08WA	M8 x 14	30	30	10.0	100	12	648
10WA	M10 x 15	40	40	12.0	50	12	816
12WA	M12 x 20	50	50	14.0	50	6	324

HD = HOLE DEPTH. FCH = FIXTURE CLEARANCE HOLE. WGA01

## Lipped Drop in Anchors

Zinc



An internally threaded hammer set expansion anchor for heavy duty anchoring into concrete.



CONCRETE

Lip prevents the anchor being inserted too far. Also known as wedge anchors.

**222 - 316KG**

### Technical Data

Substrate	Concrete $\geq 25N/mm^2$	
	M8	M10
Size $\varnothing$ (mm)	M8	M10
Drill Hole $\varnothing$ (mm)	10.0	12.0
Embedment Depth (mm)	30	30
Min Drill Hole Depth (mm)	30	30
Centre Spacing (mm)	90	90
Edge Distance (mm)	90	90
Min Structure Thickness (mm)	100	100
Rec. Tightening Torque (Nm)	5	7
Rec. Tensile Load (kN)	2.22	3.16
Max Rec. Load (kg)	222	316

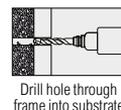
Product Code	Thread $\varnothing \times L$ (mm)	Anchor Length (mm)	Min. HD (mm)	FCH $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>							
08LWA	M8 x 14	30	30	10	100	12	720
1030LWA	M10 x 15	30	30	12	50	12	816

HD = HOLE DEPTH. FCH = FIXTURE CLEARANCE HOLE. WGA01

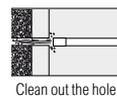
## Setting Tool



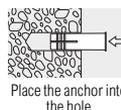
Setting tool for use with standard and lipped drop in anchors.



Drill hole through frame into substrate



Clean out the hole



Place the anchor into the hole



Insert setting tool and hammer to set

Product Code	To Fit Thread $\varnothing$ (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BAG</b>				
06WAS	M6	1	10	360
08WAS	M8	1	10	360
10WAS*	M10	1	10	360
12WAS	M12	1	10	360

\* To suit 40mm anchor length

Shield Anchors

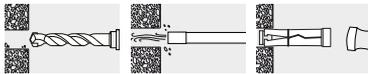
Yellow

Shield Only



Suitable for attaching a variety of fixings with metric threads such as hooks, eyes and studs.

- A three segmented expansion anchor
- Torque controlled



Drill through frame into substrate    Clean out the hole    Place the shield into the hole

Product Code	Thread Ø (mm)	Shield Length (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
06SH	M6	45	50	18	648
08SH	M8	50	50	10	300
10SH	M10	60	50	8	240
12SH	M12	75	25	8	240

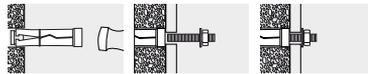
SHA01

Projecting Bolt



The projecting stud allows the fixture to be positioned into place and then fastened secure.

- Torque controlled
- Stud Grade 5.8



Once shield is in place    Insert bolt through fixing into shield    Tighten to rec. torque

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
0810PSH	M8	70	10	50	8	240
0825PSH	M8	85	25	50	8	240
0860PSH	M8	120	60	50	8	240
1015PSH	M10	85	15	25	10	300
1030PSH	M10	100	30	25	8	300
1060PSH	M10	130	60	25	8	300
1215PSH	M12	105	15	10	10	300
1230PSH	M12	120	30	10	10	300
1275PSH	M12	165	75	10	8	240

SHA01

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>						
0825PSHB	M8	85	25	26	5	600
0860PSHB	M8	120	60	22	5	600
1015PSHB	M10	85	15	16	5	600
1030PSHB	M10	100	30	15	5	600
1060PSHB	M10	130	60	14	5	500
1230PSHB	M12	120	30	8	5	600

BAG30

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMPAC</b>						
0825PSHP	M8	85	25	4	10	-
0860PSHP	M8	120	60	4	10	-
1015PSHP	M10	85	15	2	10	-
1030PSHP	M10	100	30	2	10	-
1060PSHP	M10	130	60	2	10	-
1230PSHP	M12	120	30	2	10	-

MFT = MAX FIXTURE THICKNESS

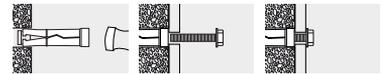
PAK47

Loose Bolt



Ideal for fixing through the fixture once the shield has been installed into substrate.

- Torque controlled
- Bolt Grade 8.8



Once shield is in place    Insert bolt through fixing into shield    Tighten to rec. torque

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>						
0610LSH	M6	50	10	100	8	240
0625LSH	M6	65	25	50	10	300
0810LSH	M8	60	10	50	8	240
0825LSH	M8	75	25	50	8	240
0840LSH	M8	90	40	25	10	300
1010LSH	M10	70	10	25	10	300
1025LSH	M10	85	25	25	10	300
1050LSH	M10	110	50	25	8	240
1075LSH	M10	135	75	25	8	240
1210LSH	M12	90	10	10	10	300
1225LSH	M12	105	25	10	10	300
1240LSH	M12	120	40	10	10	300
1260LSH	M12	140	60	10	8	240

SHA01

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>						
0610LSHB	M6	50	10	48	5	600
0625LSHB	M6	65	25	46	5	600
0810LSHB	M8	60	10	26	5	600
0825LSHB	M8	75	25	24	5	600
0840LSHB	M8	90	40	22	5	600
1010LSHB	M10	70	10	22	5	500
1025LSHB	M10	85	25	16	5	500
1050LSHB	M10	110	50	14	5	500
1075LSHB	M10	135	75	14	5	500
1260LSHB	M12	140	60	10	5	500

BAG30

Product Code	Thread Ø (mm)	Bolt Length (mm)	MFT (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMPAC</b>						
0610LSHP	M6	50	10	4	10	-
0625LSHP	M6	65	25	4	10	-
0810LSHP	M8	60	10	4	10	-
0825LSHP	M8	75	25	4	10	-
0840LSHP	M8	90	40	4	10	-
1010LSHP	M10	70	10	4	10	-
1025LSHP	M10	85	25	2	10	-
1050LSHP	M10	110	50	2	10	-
1075LSHP	M10	135	75	2	10	-
1260LSHP	M12	140	60	2	10	-

MFT = MAX FIXTURE THICKNESS

PAK47

NB: The tensile load tests are based upon the use of 8.8 strength bolts. However, the 'Projecting Type' are supplied with 5.8 strength bolts. This should nevertheless not unduly effect the performance of the anchor, given that this is taken into consideration when selecting the product. Please consult our technical department for further advice. Installation Note: Fix in centre line of brick 35-40mm from ends and avoid top 3 courses, edge bricks, part bricks and mortar joints. Suitable in solid brickwork with sound mortar joints only up to M12 bolt diameter.



Technical Data

Substrate	Concrete ≥25N/mm²				Fletton Brick 30N/mm²				Cheshire Brick 45N/mm²				Class B Eng. Brick 75N/mm²			
	M6	M8	M10	M12	M6	M8	M10	M12	M6	M8	M10	M12	M6	M8	M10	M12
Thread Ø (mm)	M6	M8	M10	M12	M6	M8	M10	M12	M6	M8	M10	M12	M6	M8	M10	M12
Socket Size (mm)	10	13	17	19	10	13	17	19	10	13	17	19	10	13	17	19
Drill Hole Ø (mm)	12.0	14.0	16.0	20.0	12.0	14.0	16.0	20.0	12.0	14.0	16.0	20.0	12.0	14.0	16.0	20.0
Fixture Clearance Hole Ø (mm)	8.0	10.0	12.0	14.0	8.0	10.0	12.0	14.0	8.0	10.0	12.0	14.0	8.0	10.0	12.0	14.0
Embedment Depth (mm)	45	50	60	75	45	50	60	75	45	50	60	75	45	50	60	75
Min Drill Hole Depth (mm)	55	60	70	85	55	60	70	85	55	60	70	85	55	60	70	85
Centre Spacing (mm)	135	150	180	225	-	-	-	-	-	-	-	-	-	-	-	-
Edge Distance (mm)	70	75	90	120	-	-	-	-	-	-	-	-	-	-	-	-
Min Structure Thickness (mm)	90	100	120	150	-	-	-	-	-	-	-	-	-	-	-	-
Rec. Tightening Torque (Nm)	5	15	30	45	3	7	15	23	3	7	15	23	3	7	15	23
Rec. Tensile Load (kN)	1.04	2.21	2.52	3.8	1.47	1.84	1.26	1.34	0.63	1.67	1.93	1.51	0.72	0.41	0.85	-
Max Rec. Load (kg)	104	221	252	380	147	184	123	134	63	167	193	151	72	41	85	-

## Forged Eye & Shield

Yellow

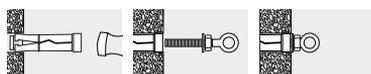


CONCRETE BRICK STONE

A three segment shield anchor with a forged eye for extra strength. Ideal for attaching ropes or cables.

- Yellow passivated for improved corrosion resistance
- Nut and washer included
- Grade 4.8

Please see previous page for shield installation



Once shield is in place      Tighten nut while keeping eye still      Tighten to rec. torque

Product Code	Thread Ø x L (mm)	Eye Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>					
06EYEB	M6 x 50	8	18	5	870
08EYEB	M8 x 60	10	14	5	870
BAG30					
<b>TIMPAC</b>					
06EYEP	M6 x 50	8	2	10	-
08EYEP	M8 x 60	10	2	10	-
10EYEP	M10 x 73	12	2	10	-
PAK47					

## Forged Eye Only

Yellow



A useful threaded eye bolt for attaching ropes or cables. Manufactured using a forging process for extra strength.

Sold without shield anchor.

Product Code	Thread Ø x L (mm)	Eye Ø (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>					
06EYE	M6 x 50	8	50	16	640
08EYE	M8 x 60	10	50	10	300
10EYE	M10 x 73	12	50	8	240
12EYE	M12 x 95	16	25	8	240
SHA01					

## Forged Hook & Shield

Yellow

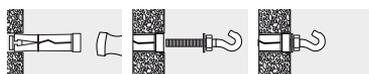


CONCRETE BRICK STONE

Manufactured using a forging process, to prevent the hook opening out when load is applied. Complete with three segment shield anchor.

- Yellow passivated for improved corrosion resistance
- Nut and washer included
- Grade 4.8

Please see previous page for shield installation



Once shield is in place      Tighten nut while keeping hook still      Tighten until secure

Product Code	Thread Ø x Length (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMBAG</b>				
06HOOKB	M6 x 50	20	5	870
08HOOKB	M8 x 60	14	5	870
BAG30				
<b>TIMPAC</b>				
06HOOKP	M6 x 50	2	10	-
08HOOKP	M8 x 60	2	10	-
PAK47				

## Forged Hook Only

Yellow



A useful threaded hook bolt for attaching ropes or cables. Manufactured using a forging process for extra strength preventing the hook from opening out when the load is applied.

Sold without shield anchor.

Product Code	Thread Ø x L (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX</b>				
06HOOK	M6 x 50	50	18	648
08HOOK	M8 x 60	50	10	300
10HOOK	M10 x 73	50	6	216
12HOOK	M12 x 90	25	8	240
SHA01				

## Chemical Anchor Studs

Hot Dipped Galvanised

Zinc



CONCRETE BRICK STONE

Designed for use when fixing with chemical resins.

- Chisel point, prevents the rod turning when tightening
- External hex drive
- Embedment depth mark
- Zinc plated and passivated or galvanised
- Grade 5.8

### Technical Data

Size Ø (mm)	M8	M10	M12	M16	M20
Drill Hole Ø (mm)	10	12	14	18	24
Fixture Clearance Hole Ø (mm)	10	12	14	18	24

Product Code	Size (mm)	MFT (mm)	Min. ED (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>BOX (NUT SETTER INCLUDED)</b>						
<b>Hot Dipped Galvanised</b>						
08110CSG	M8 x 110	13	80	10	30	2400
10130CSG	M10 x 130	20	90	10	20	1040
12160CSG	M12 x 160	25	110	10	10	600
16190CSG	M16 x 190	35	125	10	8	304
20270CSG	M20 x 270	55	170	4	9	378
CHZ01						

Product Code	Size (mm)	MFT (mm)	Min. ED (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>Zinc</b>						
08110CS	M8 x 110	13	80	10	30	2400
10130CS	M10 x 130	20	90	10	20	1040
12160CS	M12 x 160	25	110	10	10	600
16190CS	M16 x 190	35	125	10	8	304
20270CS	M20 x 270	55	170	4	9	378
CHZ01						

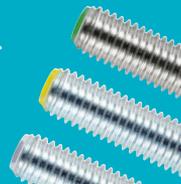
Product Code	Size (mm)	MFT (mm)	Min. ED (mm)	Pack Qty (pcs)	Carton Qty (packs)	Pallet Qty (packs)
<b>TIMPAC</b>						
<b>Zinc</b>						
08110CSP	M8 x 110	13	80	2	10	-
10130CSP	M10 x 130	20	90	2	10	-
12160CSP	M12 x 160	25	110	2	10	-
PAK48						
MFT = MAX FIXTURE THICKNESS. MIN. ED = MIN. EMBEDMENT DEPTH						

## Threaded Bar

Grade 4.8 & 8.8 available in zinc.

Stainless steel also available.

See page 57



# Chemical Resin & Accessories

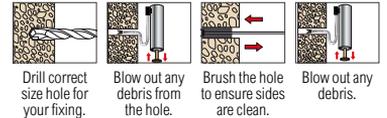


## Chemical Resin

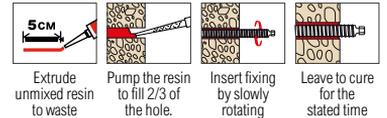


TIMCO's chemical resin range offers an effective anchoring system for fixing into concrete and masonry. The stress-free nature of this solution gives greater flexibility when anchoring closer to a substrate edge such as balustrade installation.

- Ready to use
- Uses standard tools
- Less wastage
- No leakage
- Faster & easier to use
- Low extrusion force
- T-Flow™ nozzle included
- Close edge & axial spacing



**STEPS 2 - 4 REPEAT X4**



### Technical Data

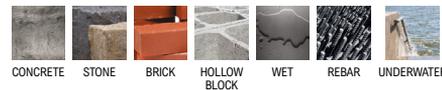
Resin Type	Rec. Tensile Load (kN) (Performance Data Concrete>25N/mm <sup>2</sup> )						
	M8	M10	M12	M16	M20	M24	
Stud (5.8 Grade) Size	M8	M10	M12	M16	M20	M24	
PE	4.9	7.5	10.6	12.3	19.9	27.4	
PESF	5.8	8.1	11.6	19.8	29.1	33.1	
VESF	9.1	13.8	19.4	26.8	35.7	44.6	
Embedment Depth (mm)	80	90	110	125	170	210	
Cartridge Size	Approx Holes Per Cartridge (At Standard Embedment Depth)						
	300ml	41	25	13	5	3	
410ml	57	34	18	8	4		
Gel & Cure Times	VESF / PESF / PE						
	Base Material (°C)	35	25	15	5	-5	-10*
	Typical Gel Time (mins)	3	5	9	20	40	50
	Min. Load Time (mins)	20	30	60	90	180	240

\*Resin temperature must be at least 20°C

## Vinylester Styrene Free



- European Technically Approved (ETA) low odour resin used in safety critical fixing
- For enclosed, poorly ventilated, damp and wet environments
- High performance resin with consistent results
- Offering exceptional tensile strength in a range of environments and conditions



Product Code	Size	Approval	Carton Qty (packs)	Pallet Qty (packs)
<b>CARTRIDGE (T-FLOW NOZZLE INCLUDED)</b>				
VESF300	300ml	ETA / WRAS / CE	12	684
VESF410	410ml	ETA / WRAS / CE	12	672

CPE01

## Polyester Styrene Free



- European Technically Approved (ETA) low odour resin used in non-safety critical fixing
- For enclosed or poorly ventilated environments



Product Code	Size	Approval	Carton Qty (packs)	Pallet Qty (packs)
<b>CARTRIDGE (T-FLOW NOZZLE INCLUDED)</b>				
PESF310	300ml	ETA / CE	12	684

CPE01

## Polyester



- An economic resin ideal for day to day non-safety critical applications
- For areas that are well ventilated at the time of installation



Product Code	Size	Approval	MOQ Qty (packs)	Pallet Qty (packs)
<b>CARTRIDGE (T-FLOW NOZZLE INCLUDED)</b>				
PE310	300ml	ETA/CE	12	684
PE410	410ml	ETA/CE	12	672

CPE01

## Professional Resin Gun



Suitable for 410ml chemical cartridges

25:1 trigger ratio

- A 64mm heavy duty co-axial resin applicator gun.
- Twin 5mm gripper plates providing four point contact with the plunger rod.
- Non-drip mechanism

Product Code	Pack Qty (pcs)	Carton Qty (packs)
<b>PACK</b>		
RESINGUN	1	10
		CAC01

## Professional Sealant Gun



Up to 380ml cartridges

12:1 trigger ratio

- A 48mm heavy duty sealant and caulking gun
- With a convenient hook end for hanging
- Swivel action barrel for easy application into tight corners
- Patented non-drip mechanism

Product Code	Pack Qty (pcs)	Carton Qty (packs)
<b>PACK</b>		
PROGUN	1	12
		CAC01

## Skeleton Gun



Up to 380ml cartridges

7:1 trigger ratio

- A 48mm gun for dispensing sealants, caulk and adhesives
- 2.3mm strengthened side plates and a 6mm gripper plate
- Convenient hook end for hanging
- Riveted front cap for reinforcement and integrated cleaning pin

Product Code	Pack Qty (pcs)	Carton Qty (packs)
<b>PACK</b>		
SKELGUN	1	24
		CAC01

## Resin Accessories



T-Flow Nozzles

Blow-out Pump

Cleaning Brush

### New Pack Quantity

Product Code	Size (mm)	Pack Qty (pcs)	Carton Qty (packs)
<b>PACK</b>			
<b>T-Flow Mixing Nozzle</b>			
TNOZ10	To Suit All Resin Cartridges	10	100
<b>Blow-Out Pump</b>			
PUMP	280 x 64	1	24
<b>Hole Cleaning Brush</b>			
B13	Ø 13.0	10	50
B15	Ø 15.0	10	50
B22	Ø 22.0	10	50
			CAC02

## Plastic Sleeves

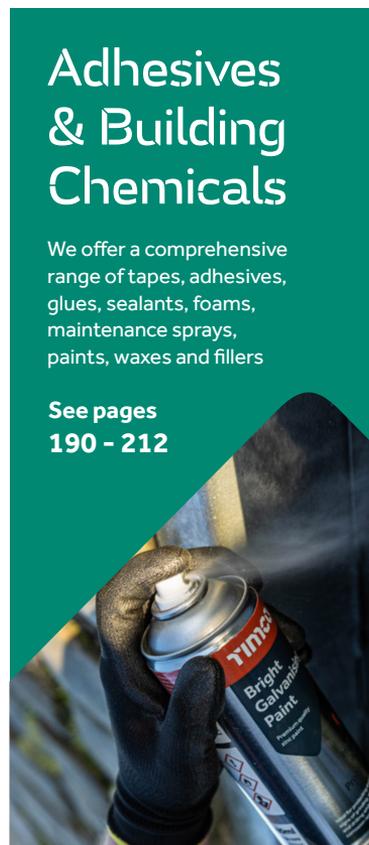


BRICK

HOLLOW BLOCK

Assists with fixing into hollow block or brick with chemical resins. To suit M8-M10 studs.

Product Code	Size (mm)	To Suit Stud Ø (mm)	Drill Hole Size (mm)	Pack Qty (pcs)	Carton Qty (packs)
<b>BAG</b>					
1585CPS	16.0 x 85	M8 - M10	16.0 x 90	100	25
15130CPS	16.0 x 130	M8 - M10	16.0 x 135	100	25
					CAC02



# Adhesives & Building Chemicals

We offer a comprehensive range of tapes, adhesives, glues, sealants, foams, maintenance sprays, paints, waxes and fillers

See pages  
190 - 212



Merlin Accessories Ltd  
Unit G, Nickel Close  
Winnall Trading Estate Winchester  
SO23 7RJ

01962 842002

Opening Hours

Office:  
Monday to Friday:  
7:30am - 5pm

Trade Counter:  
7am - 5pm