

**FIX BUYERS**  
Guide

**FASTENERS & FIXINGS**

**Fasteners  
& Fixings**

**Supporting the Trade and D.I.Y**

# CONTENTS PAGE



CLICK ON THE ITEM BELOW TO TAKE YOU TO THE PAGE

## WHAT'S INSIDE.

- AEROTIGHT NUTS
- BINX NUTS
- BOLTS PART THREADED - GALVANISED
- BOLTS PART THREADED - ZINC
- BOLTS - STAINLESS STEEL
- CABLE TIES & CABLE TIE BASES
- CAGE NUT
- CARTRIDGE & MASONARY NAILS
- CARTRIDGE NAILS COLLATED
- CARTRIDGE STRIPS & DISCS
- CASTLE NUTS
- CD WELD STUDS - THREADED
- CHANNEL ACCESSORIES
- CHANNEL SECTIONS
- CHEMICAL FIXINGS
- CLEVIS PINS
- CLINCH STUDS - FLUSH HEAD
- COACH BOLTS - A2 STAINLESS STEEL
- COACH BOLTS - ZINC PLATED
- COACH SCREWS - A2 STAINLESS STEEL
- COACH SCREWS - SOLO SLASH POINT
- COACH SCREWS - ZINC PLATED
- COLLATED NAILS - FIRST FIX
- COLLATED NAILS - SECOND FIX
- CORRUGATED FASTENERS
- COTTER PINS
- DEE SHACKLES
- DOWEL PINS
- DRIVA SCREWS
- DROP IN ANCHORS
- DRYWALL SCREWS - COLLATED
- DRYWALL SCREWS - LOOSE
- ELECTRICAL CRIMP TERMINALS
- EXTRACTABLE DOWELS
- EYE BOLTS
- FM WOOD SCREWS PRO
- FRAME FIXINGS
- GLAZING PACKERS & "U" SHIMS
- HEAVY ROOFGRIP SYSTEM (HRG)
- HOLLOW WALL ANCHOR
- HOSE CLIPS
- INDEX WOODSCREW - HEX & WAFER HEAD
- INSULATION ANCHORS
- LIFTING EYE BOLTS DIN580
- LIFTING EYE NUT DIN582
- LINCH PINS - A80 APPLE KEEP
- MACHINE SCREWS - STAINLESS STEEL
- MACHINE SCREWS - STAINLESS STEEL
- MACHINE SCREWS - ZINC PLATED
- METAL STAR DOWELS
- MODESTY BLOCKS
- MULTI-FIX CONCRETE BOLTS
- MULTI-FIX CONCRETE SCREWS
- NAILS - ANNULAR RING
- NAILS - CLOUTS
- NAILS - LARGE HEAD CLOUT & LOST HEAD
- NAILS - ROUND WIRE & SQUARE TWIST
- NAILS - SHUREDRIVE
- NUT COVERS
- NUTS - A2 STAINLESS STEEL
- NUTS - GALVANISED
- NUTS - ZINC
- PHILIDAS NUTS
- PICTURE HOOKS
- POLYMER HEADED PINS
- POP RIVETS - ALUMINIUM
- POP RIVETS - STAINLESS STEEL
- RAWL RUBBER NUTS

## RESIN PRODUCTS - RESIN ACCESSORIES

- RESIN PRODUCTS - RESIN INJECTION
- RETAINING PINS
- RIVET BUSHES
- RIVNUTS
- RIVNUTS
- ROOFING BOLTS
- SCREW CUPS & CAPS
- SCREW EYES
- SECURITY FASTENERS
- SELF CLINCH NUT
- SELF CLINCH THROUGH STANDOFF
- SELF TAPPING SCREWS - MIXED
- SELF TAPPING SCREWS - STAINLESS MIXED
- SELF TAPPING SCREWS - STAINLESS STEEL
- SELF TAPPING SCREWS -ZINC
- SET BOLTS - FULLY THREADED GALVANISED
- SET BOLTS - FULLY THREADED STAINLESS STEEL
- SET BOLTS - FULLY THREADED ZINC
- SHEAR NUTS
- SHIELD ANCHORS
- SLEEVE ANCHORS
- SLOTTED NUTS
- SOCKET BUTTON - STAINLESS STEEL
- SOCKET BUTTON - STEEL
- SOCKET BUTTON - STEEL ZINC
- SOCKET CAPS - A2 STAINLESS STEEL
- SOCKET CAPS - STEEL SELF COLOUR
- SOCKET CAPS - STEEL ZINC PLATED
- SOCKET COUNTERSUNK - STAINLESS STEEL
- SOCKET COUNTERSUNK - STEEL
- SOCKET COUNTERSUNK - ZINC PLATED

- SOCKET SETS - STAINLESS STEEL
- SOCKET SETS - STEEL
- SOCKET SHOULDERS - STEEL
- SPIROL PINS
- SPRING PINS
- SPRING TOGGLES
- STUDDING / THREADED BARS
- STUD SCREWS
- TAPCON CONCRETE SCREWS
- TAPER PINS
- TEK SCREWS - CLADFIX
- TEK SCREWS - TIMBERFIX
- TEK SCREWS - ULTRA-DRIVE
- THREADED INSERTS / HELICOILS
- THROUGH BOLTS
- THUMB SCREWS
- T PRONGED NUTS
- TRI-BAR / HELIFIX / TIMFIX
- TWIN-THREADED WOOD SCREWS
- WALL PLUGS
- WASHERS METRIC - GALVANISED
- WASHERS METRIC - STAINLESS STEEL
- WASHERS METRIC - ZINC PLATED
- WEDGE NUTS
- WELD NUTS
- WINDOW SCREWS
- WIRE HANGERS
- WOOD INSERT NUTS
- WOOD SCREWS A2 STAINLESS STEEL
- WOOD SCREWS CLASSIC
- WOOD SCREWS CLASSIC C2
- WOOD SCREWS SOLO
- ZIP-FIX TIES

ZINC YELLOW



# WOOD SCREWS SOLO

## ZINC YELLOW

### For General Applications.

For use in chipboard, softwood, pvcu, into masonry with a plastic plug and certain types of hardwood. Designed to be consistently reliable in general applications. These are our most popular wood screws. The solo range is an ideal fixing for today's tradesman when fixing low density substrates.



Size (mm)	Pack Qty	Size (mm)	Pack Qty
3 x 12	200	4.5 x 35	200
3 x 15	200	4.5 x 40	200
3 x 17	200	4.5 x 45	200
3 x 20	200	4.5 x 50	200
3 x 25	200	4.5 x 60	200
3 x 30	200	4.5 x 70	200
3.5 x 12	200	4.5 x 80	200
3.5 x 15	200	5 x 25	200
3.5 x 17	200	5 x 30	200
3.5 x 20	200	5 x 35	200
3.5 x 25	200	5 x 40	200
3.5 x 30	200	5 x 45	200
3.5 x 35	200	5 x 50	200
3.5 x 40	200	5 x 60	200
3.5 x 50	200	5 x 70	200
4 x 15	200	5 x 80	200
4 x 17	200	5 x 90	200
4 x 20	200	5 x 100	200
4 x 25	200	6 x 40	200
4 x 30	200	6 x 50	100
4 x 35	200	6 x 60	100
4 x 40	200	6 x 70	200
4 x 45	200	6 x 80	200
4 x 50	200	6 x 90	200
4 x 60	200	6 x 100	200
4 x 70	200	6 x 120	200
4.5 x 20	200	6 x 130	200
4.5 x 30	200	6 x 150	100

### DOUBLE COUNTERSUNK

Reduces the likelihood of head shear & assists completion of countersinking. Fully threaded up to 70mm, thereafter partially threaded.

### 40° DEEP SINGLE THREAD

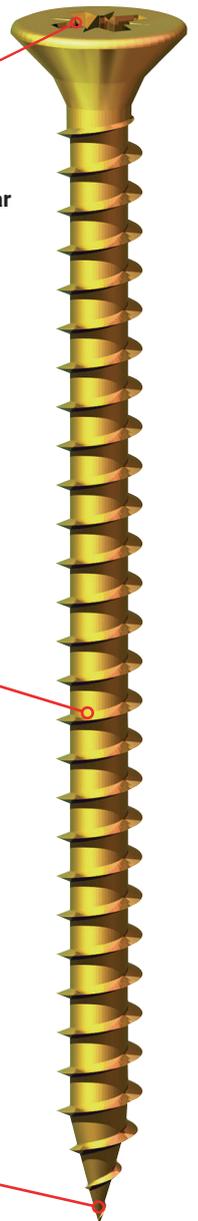
To provide a secure fixing with high pull-out resistance.

### WAX LUBRICATED

Enhances screw insertion time, extra driving torque & resistance to corrosion.

### 25° SHARP POINT

Sharp point & single threading for a fast start & improved thread acceptance.



Also available in zinc, stainless, Square Recess & round pozi.



ZINC YELLOW



CLASSIC  
MULTI-PURPOSE SCREWS



## WOOD SCREWS CLASSIC

### ZINC YELLOW

#### Exceptional Reliability & Strength.

Specifically designed as a multi-purpose product, the 25° sharp point, special thread design, lubrication & corrosion resistant plating ensures the screw will consistently perform efficiently in **hardwood, chipboard, MDF, plastic & thin sheet metal**, while offering exceptional holding power.



Size (mm)	Pack Qty	Size (mm)	Pack Qty
3 x 12	200	4.5 x 35	200
3 x 16	200	4.5 x 40	200
3 x 20	200	4.5 x 45	200
3 x 25	200	4.5 x 50	200
3 x 30	200	4.5 x 60	200
3 x 35	200	4.5 x 70	200
3 x 40	200	4.5 x 80	200
3.5 x 12	200	5 x 20	200
3.5 x 16	200	5 x 25	200
3.5 x 20	200	5 x 30	200
3.5 x 25	200	5 x 40	200
3.5 x 30	200	5 x 50	200
3.5 x 35	200	5 x 60	200
3.5 x 40	200	5 x 70	200
3.5 x 45	200	5 x 80	200
3.5 x 50	200	5 x 90	200
4 x 12	200	5 x 100	100
4 x 16	200	5 x 120	100
4 x 20	200	6 x 40	200
4 x 25	200	6 x 45	200
4 x 30	200	6 x 50	200
4 x 35	200	6 x 60	200
4 x 40	200	6 x 70	200
4 x 45	200	6 x 80	200
4 x 50	200	6 x 90	100
4 x 60	200	6 x 100	100
4 x 70	200	6 x 120	100
4 x 80	200	6 x 130	100
4.5 x 16	200	6 x 150	100
4.5 x 20	200	6 x 180	100
4.5 x 30	200	6 x 200	100

#### DOUBLE COUNTERSUNK

Reduces the likelihood of head shear & assists completion of countersinking. Fully threaded up to 70mm, thereafter partially threaded.

#### SURFACE HARDENED

Up to 750 HV to prevent torque shearing under load & a core hardness of up to 450 HV for improved ductility.

#### MOLECULAR LUBRICATION

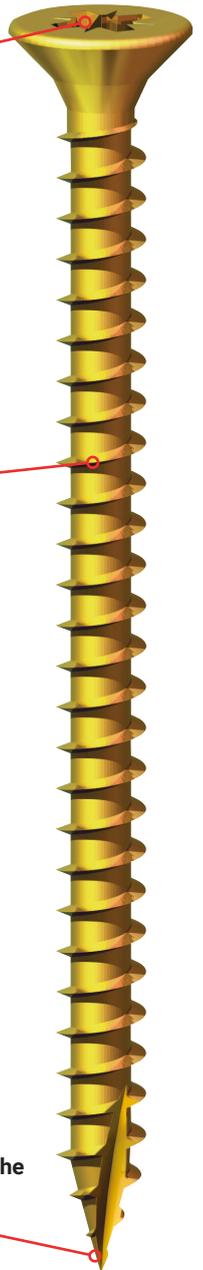
Patented lubrication, designed to enhance screw insertion time & provides greater resistance to corrosion.

#### 40° DEEP SINGLE THREAD

Provides a secure fixing with high pull-out resistance.

#### NEW TYPE 17 SINGLE SLASH

Reduces torque & the likelihood of the timber splitting when the screw is inserted close to the edge.



Buy Now

Also available in round pozi & zinc.



RETURN TO CONTENTS PAGE

ZINC YELLOW



CLASSIC MULTIPURPOSE SCREW



# WOOD SCREWS CLASSIC C2

## ZINC YELLOW

### All Round High Performance. Multi-purpose Screw.

The TIMco Classic C2 has been re-engineered around the backbone of the TIMco Classic, one of Europe's largest selling multi-purpose screws. Using the most modern manufacturing methods & design techniques, the C2 is a **revolutionary high performance multi-purpose screw**.



Size (mm)	Pack Qty	Size (mm)	Pack Qty
3.5 x 20	200	5 x 40	200
3.5 x 25	200	5 x 45	200
3.5 x 30	200	5 x 50	200
3.5 x 40	200	5 x 60	200
3.5 x 50	200	5 x 70	200
4 x 25	200	5 x 75	200
4 x 30	200	5 x 80	200
4 x 35	200	5 x 90	200
4 x 40	200	5 x 100	100
4 x 45	200	5 x 120	100
4 x 50	200	6 x 50	200
4 x 60	200	6 X 60	200
4 x 70	200	6 X 70	200
4 x 80	200	6 x 80	200
4.5 x 30	200	6 x 90	100
4.5 x 40	200	6 x 100	100
4.5 x 50	200	6 x 120	100
4.5 x 60	200	6 x 150	100
4.5 x 70	200	6 x 180	100
4.5 x 80	200	6 x 200	100
5 x 30	200		

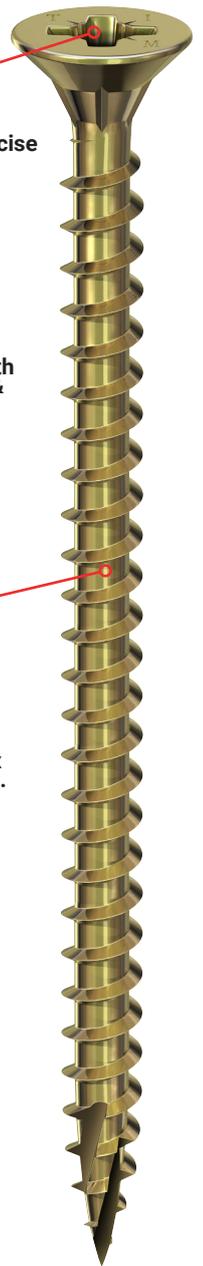
**DEEP RECESS**  
To prevent 'cam-out', giving a precise & positive drive control on every screw.

**DOUBLE COUNTERSINK WITH RIBS**  
Ribs under head for improved counter-sinking & to give a smooth & flush finish. Prevents splitting & material damage.

**CLASSIC THREAD**  
Ultimate performance & an exceptionally high pull out resistance.

**UNIQUE SYNTHETIC LUBRICATION**  
Coated with a high-molecular polymer lubricant that reduces insertion torque by up to 52% & increases rust protection up to 20x longer than a standard zinc plating.

**PATENTED TWIN CUT TECHNOLOGY**  
Applies the cuts in exactly the same position & angle every time. This allows rapid 'pick-up' & reduced splitting.



Spax, Titefix, Velocity, Index and Heco screws available on request.



Also available in zinc.



ZINC



## TWIN-THREADED WOOD SCREWS

### ZINC

#### For General Applications.

A traditional wood screw designed to give rapid installation into **softwoods**.

This fixing is also ideal to use with a plastic plug when fixing masonry.

*The best selling twin threaded wood screw, over 8 billion sold to date.*



Size (inches)	Pack Qty	Size (inches)	Pack Qty
4g x 1/2	200	8g x 1 3/4	200
4g x 5/8	200	8g x 2	200
4g x 3/4	200	8g x 2 1/4	200
4g x 1	200	8g x 2 1/2	200
5g x 5/8	200	8g x 3	200
5g x 3/4	200	10g x 3/4	200
6g x 1/2	200	10g x 1	200
6g x 5/8	200	10g x 1 1/4	200
6g x 3/4	200	10g x 1 1/2	200
6g x 1	200	10g x 1 3/4	200
6g x 1 1/4	200	10g x 2	200
6g x 1 1/2	200	10g x 2 1/4	200
6g x 1 3/4	200	10g x 2 1/2	200
6g x 2	200	10g x 3	200
7g x 5/8	200	10g x 3 1/2	100
7g x 3/4	200	10g x 4	100
7g x 1	200	12g x 1	200
7g x 1 1/4	200	12g x 1 1/4	200
7g x 1 1/2	200	12g x 1 1/2	200
8g x 1/2	200	12g x 2	200
8g x 5/8	200	12g x 2 1/2	200
8g x 3/4	200	12g X 3	200
8g x 1	200	12g X 3 1/2	100
8g x 1 1/4	200	12g X 4	100
8g x 1 1/2	200		

#### DOUBLE COUNTERSUNK

Reduces the likelihood of head shear & assists completion of countersinking.

#### SURFACE HARDENED

Up to 750 HV to prevent torque shearing under load & a core hardness of up to 450 HV for improved ductility.

#### PLATED IN ZINC 3-5 MICRONS

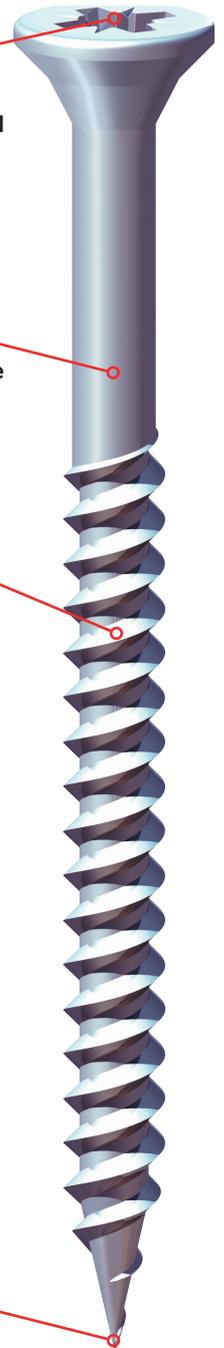
Made from C10-18 steel to ensure consistent quality.

#### 60° TWIN THREADS

With parallel shank for faster insertion & greater pull out resistance.

#### 25° SHARP POINT

Sharp point & single threading for a fast start & improved thread acceptance.



*Also available in round pozi & stainless*



STAINLESS STEEL



# WOOD SCREWS A2 STAINLESS STEEL

## A2 STAINLESS STEEL

### Exceptional Reliability & Strength.

Specifically designed as a multi-purpose product, the 25° sharp point, special thread design, lubrication & corrosion

resistant plating ensures the screw will consistently perform efficiently in hardwood, chipboard, MDF, plastic & thin sheet metal, while offering exceptional holding power.

IDEAL FOR HIGHLY CORROSIVE ENVIRONMENTS & FOR USE IN TIMBER WITH A HIGH ACIDITY LEVEL.



Size (mm)	Pack Qty	Size (mm)	Pack Qty
3 x 12	200	4.5 x 40	200
3 x 16	200	4.5 x 45	200
3 x 20	200	4.5 x 50	200
3 x 25	200	4.5 x 60	200
3 x 30	200	4.5 x 70	200
3 x 35	200	5 x 25	200
3 x 40	200	5 x 30	200
3.5 x 16	200	5 x 35	200
3.5 x 20	200	5 x 40	200
3.5 x 25	200	5 x 45	200
3.5 x 30	200	5 x 50	200
3.5 x 35	200	5 x 60	200
3.5 x 40	200	5 x 70	200
3.5 x 50	200	5 x 80	200
4 x 13	200	5 x 90	200
4 x 16	200	5 x 100	200
4 x 20	200	5 x 110	200
4 x 25	200	5 x 120	200
4 x 30	200	6 x 25	100
4 x 35	200	6 x 30	100
4 x 40	200	6 x 35	100
4 x 45	200	6 x 40	100
4 x 50	200	6 x 45	200
4 x 60	200	6 x 50	200
4 x 70	200	6 x 60	200
4 x 80	200	6 x 70	200
4.5 x 25	200	6 x 80	200
4.5 x 30	200	6 x 90	200
4.5 x 35	200	6 x 100	100

### DOUBLE COUNTERSUNK

Reduces the likelihood of head shear & assists completion of countersinking. Fully threaded up to 70mm, thereafter partially threaded.

### SURFACE HARDENED

Up to 750 HV to prevent torque shearing under load & a core hardness of up to 450 HV for improved ductility.

### MOLECULAR LUBRICATION

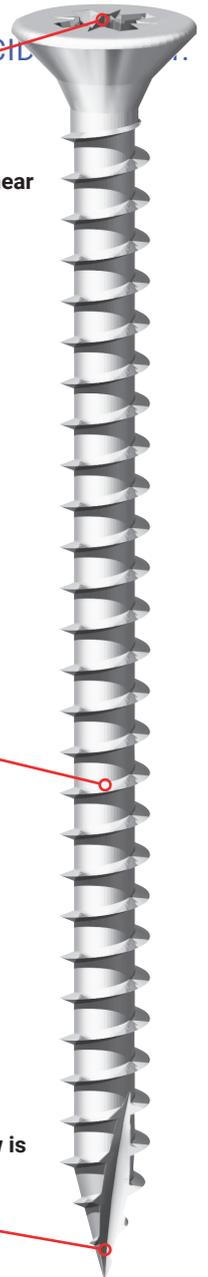
Patented lubrication, designed to enhance screw insertion time & provides greater resistance to corrosion.

### 40° DEEP SINGLE THREAD

Provides a secure fixing with high pull-out resistance.

### NEW TYPE 17 SINGLE SLASH

Reduces torque & the likelihood of the timber splitting when the screw is inserted close to the edge.



Also available round head.  
**FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**





ZINC

BLACK

## DRYWALL SCREWS - LOOSE

### FINE THREAD

Used to secure plasterboard to drywall track and ceiling systems (max 0.9mm)



Size (mm)	Pack Qty	Size (mm)	Pack Qty
Black		Zinc	
3.5 x 25	1000	3.5 x 25	1000
3.5 x 32	1000	3.5 x 32	1000
3.5 x 38	1000	3.5 x 38	1000
3.5 x 42	1000	3.5 x 42	1000
3.5 x 45	1000	3.5 x 50	1000
3.5 x 50	1000	3.5 x 60	500
3.5 x 55	500	4.2 x 65	500
3.5 x 60	500	4.2 x 75	500
4.2 x 65	500	4.8 x 90	500
4.2 x 75	500	4.8 x 100	500
4.8 x 90	500	4.8 x 125	100
4.8 x 100	500	4.8 x 150	100

### COARSE THREAD

Used to secure plasterboard to timber stud work.



Size (mm)	Pack Qty
Black	
3.5 x 25	1000
3.5 x 32	1000
3.5 x 35	1000
3.5 x 38	1000
3.5 x 42	1000
3.5 x 50	1000
4.2 x 65	500
4.2 x 75	500
4.8 x 100	500



**BUGLE HEAD**  
Designed to not damage the plasterboard during installation.

Fully threaded up to 50mm, partially threaded thereafter.

Manufactured to JIS B1125 (1995) and independently tested to IFI specification ASTM C1002-89.

Made from C10-18 steel & plated in either zinc or black phosphate to withstand 50 hours salt spray test.

A hardened surface up to 750HV to prevent torque shearing under load & a core hardness of up to 450HV for improved ductility

**SUPER SHARP POINT**  
25° super sharp (SS) point for ease of penetration.



### SELF DRILLING

Self drilling point to aid fixing plasterboard to wall/ceiling track systems with a max of 2.5mm thickness (3.0 for 4.2/4.8g)



Size (mm)	Pack Qty	Size (mm)	Pack Qty
Wafer Head		Self Drilling	
4.2 x 13.5	1000	3.5 x 25	1000
4.2 x 19	1000	3.5 x 32	1000
4.2 x 25	1000	3.5 x 38	1000
		3.5 x 42	1000
		3.5 x 50	1000
		3.5 x 55	500
		3.9 x 65	500
		4.2 x 75	500



RETURN TO CONTENTS PAGE

**ZINC****BLACK**

# DRYWALL SCREWS - COLLATED

## COLLATED FINE THREAD

Used to secure plasterboard to drywall track and ceiling systems (max 0.9mm)



Size (mm)	Pack Qty	Size (mm)	Pack Qty
Zinc		Black	
3.5 x 25	1000	3.5 x 25	1000
3.5 x 32	1000	3.5 x 32	1000
3.5 x 35	1000	3.5 x 35	1000
3.5 x 38	1000	3.5 x 38	1000
3.5 x 42	1000	3.5 x 42	
3.5 x 50	1000		
3.5 x 55	1000		



Priced per 1000 when bought in 1000 or more. Smaller quantities available. Please ask for more info.

**BUGLE HEAD**  
Designed to not damage the plasterboard during installation.

Fully threaded up to 50mm, partially threaded thereafter

Manufactured to JIS B1125 (1995) and independently tested to IFI specification ASTM C1002-89.

Made from C10-18 steel & plated in either zinc or black phosphate to withstand 50 hours salt spray test.

A hardened surface up to 750HV to prevent torque shearing under load & a core hardness of up to 450HV for improved ductility



**SUPER SHARP POINT**  
25° super sharp (SS) point for ease of penetration.

## COLLATED COARSE THREAD

Used to secure plasterboard to timber stud work.



Size (mm)	Pack Qty
Black	
3.5 x 25	1000
3.5 x 35	1000
3.5 x 38	1000
3.5 x 45	1000
3.5 x 50	1000
3.5 x 55	1000
4.2 x 65	500
4.2 x 75	500

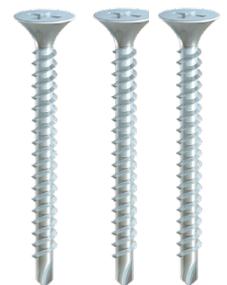


## COLLATED SELF DRILLING

Self drilling point to aid fixing plasterboard to wall/ceiling track systems (max thickness of 2.5-3.0mm)



Size (mm)	Pack Qty
Zinc	
3.5 x 35	1000
3.5 x 45	1000
3.5 x 50	1000



**RETURN TO CONTENTS PAGE**

ZINC



HEX

## COACH SCREWS - ZINC PLATED

### ZINC PLATED All Round High Performance, Multi-purpose Screw.

A traditional heavy duty wood screw mainly used for timber to timber applications, attaching ironmongery to timber or for use with a nylon plug into masonry. Pilot holes may be required into certain hardwoods. Hexagon headed.



Size (mm)	Size (mm)	Size (mm)
M6 x 20	M8 x 110	M12 x 60
M6 x 25	M8 x 120	M12 x 65
M6 x 30	M8 x 130	M12 x 70
M6 x 40	M8 x 150	M12 x 75
M6 x 45	M8 x 180	M12 x 80
M6 x 50	M10 x 25	M12 x 90
M6 x 60	M10 x 30	M12 x 100
M6 x 65	M10 x 40	M12 x 110
M6 x 70	M10 x 50	M12 x 120
M6 x 75	M10 x 60	M12 x 130
M6 x 80	M10 x 65	M12 x 140
M6 x 90	M10 x 70	M12 x 150
M6 x 100	M10 x 75	M12 x 160
M6 x 120	M10 x 80	M12 x 180
M6 x 150	M10 x 90	M12 x 200
M8 x 25	M10 x 100	M12 x 250
M8 x 30	M10 x 110	M12 x 280
M8 x 35	M10 x 120	M12 x 300
M8 x 40	M10 x 130	M16 x 65
M8 x 45	M10 x 140	M16 x 75
M8 x 50	M10 x 150	M16 x 90
M8 x 60	M10 x 160	M16 x 100
M8 x 65	M10 x 180	M16 x 125
M8 x 70	M10 x 200	M16 x 150
M8 x 75	M10 x 250	M20 x 100
M8 x 80	M12 x 40	M20 x 200
M8 x 90	M12 x 45	M20 x 260
M8 x 100	M12 x 50	



### X1 PLUG TO SUIT



Size (mm)
M5 x 25
M6 x 30
M8 x 40
M10 x 50
M12 x 60
M14 x 70



**More sizes available. Also available in galvanised, stainless & other finishes.**



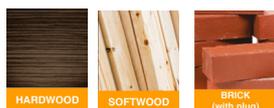
STAINLESS STEEL



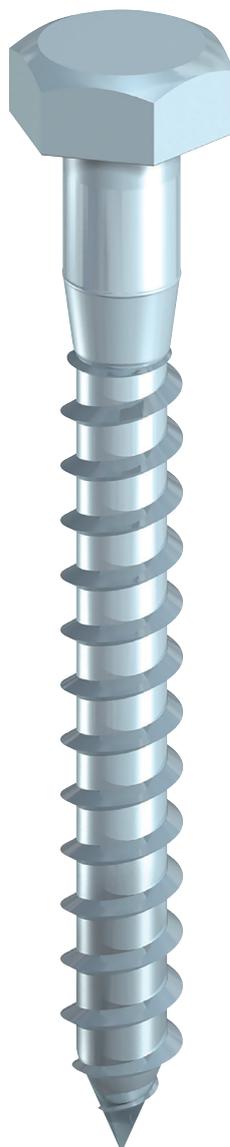
# COACH SCREWS - A2 STAINLESS STEEL

## A2 - 304 STAINLESS STEEL

A traditional heavy duty wood screw mainly used for timber to timber applications, attaching ironmongery to timber or for use with a nylon plug into masonry. Pilot holes may be required into certain hardwoods. Hexagon headed.



Size (mm)	Size (mm)	Size (mm)
M6 x 25	M8 x 160	M12 x 220
M6 x 30	M8 x 180	M12 x 240
M6 x 35	M8 x 200	M12 x 250
M6 x 40	M10 x 40	M12 x 280
M6 x 50	M10 x 50	M16 x 100
M6 x 60	M10 x 60	M16 x 130
M6 x 70	M10 x 70	M16 x 150
M6 x 75	M10 x 75	M16 x 200
M6 x 80	M10 x 80	
M6 x 90	M10 x 90	
M6 x 100	M10 x 100	
M6 x 110	M10 x 110	
M6 x 120	M10 x 120	
M6 x 130	M10 x 130	
M8 x 25	M10 x 140	
M8 x 30	M10 x 150	
M8 x 40	M10 x 180	
M8 x 50	M12 x 50	
M8 x 60	M12 x 60	
M8 x 70	M12 x 70	
M8 x 75	M12 x 80	
M8 x 80	M12 x 100	
M8 x 90	M12 x 120	
M8 x 100	M12 x 130	
M8 x 120	M12 x 140	
M8 x 130	M12 x 150	
M8 x 140	M12 x 180	
M8 x 150	M12 x 200	



**More sizes available.  
Also available in galvanised,  
A4 stainless & other finishes.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



**RETURN TO  
CONTENTS PAGE**

## COACH BOLTS / CARRIAGE BOLTS

### COACH BOLTS TECHNICAL DATA

A large bolt with a round head, used for joisting together wooden panels to masonry or to one another.

Diameter (mm)	Pitch (mm)	Head Diameter (mm)	Head Depth (mm)	Width Of Square (mm)	Depth of Square (mm)
M5	0.8	13.55	3.3	5.48	4.1
M6	1.0	16.55	3.88	6.48	4.6
M8	1.25	20.65	4.88	8.58	5.6
M10	1.5	24.65	5.38	10.58	6.6
M12	1.75	30.65	6.95	12.7	8.75
M16	2.0	38.8	8.95	16.7	12.9

HEAD DIAMETER

PITCH IS THE DISTANCE MEASURED BETWEEN EACH THREAD + LENGTH



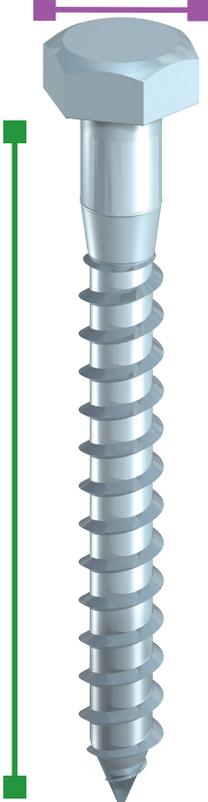
### COACH SCREW TECHNICAL DATA

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

Diameter (mm)	Across Flats (mm)	Head Depth (mm)
M5	8	3.5
M6	10	4
M7	12	5
M8	13	5.5
M10	17	7
M12	19	8
M16	24	10
M20	30	13

HEAD DIAMETER

LENGTH



Materials/finishes available:

self colour, stainless steel, zinc, zinc yellow, zinc black, & galvanised.

**MILD STEEL & DIFFERENT GRADES AVAILABLE**



RETURN TO CONTENTS PAGE

ZINC

# COACH BOLTS - ZINC PLATED

## ZINC PLATED

A domed head bolt with a square anti spin shoulder mainly used for clamping timber or attaching ironmongery to timber.



Size (mm)	Size (mm)	Size (mm)	Size (mm)
M6 x 16	M8 x 55	M10 x 80	M12 x 160
M6 x 20	M8 x 60	M10 x 90	M12 x 180
M6 x 25	M8 x 65	M10 x 100	M12 x 200
M6 x 30	M8 x 70	M10 x 110	M16 x 50
M6 x 35	M8 x 75	M10 x 120	M16 x 60
M6 x 40	M8 x 80	M10 x 130	M16 x 70
M6 x 45	M8 x 90	M10 x 140	M16 x 75
M6 x 50	M8 x 100	M10 x 150	M16 x 80
M6 x 55	M8 x 110	M10 x 160	M16 x 90
M6 x 60	M8 x 120	M10 x 180	M16 x 100
M6 x 65	M8 x 130	M10 x 200	M16 x 110
M6 x 70	M8 x 140	M12 x 30	M16 x 120
M6 x 75	M8 x 150	M12 x 35	M16 x 130
M6 x 80	M8 x 160	M12 x 40	M16 x 140
M6 x 90	M8 x 180	M12 x 45	M16 x 150
M6 x 100	M8 x 200	M12 x 50	M16 x 160
M6 x 110	M10 x 20	M12 x 60	M16 x 180
M6 x 120	M10 x 25	M12 x 65	M16 x 200
M6 x 130	M10 x 30	M12 x 70	M20 x 100
M6 x 150	M10 x 35	M12 x 75	M20 x 180
M6 x 180	M10 x 40	M12 x 80	M20 x 200
M8 x 20	M10 x 45	M12 x 90	M20 x 220
M8 x 25	M10 x 50	M12 x 100	M20 x 260
M8 x 30	M10 x 55	M12 x 110	M20 x 300
M8 x 35	M10 x 60	M12 x 120	
M8 x 40	M10 x 65	M12 x 130	
M8 x 45	M10 x 70	M12 x 140	
M8 x 50	M10 x 75	M12 x 150	



Need Square Plate Washers?  
[Click Here](#)

*More sizes available.  
Also available in  
galvanised & stainless.*



RETURN TO  
CONTENTS PAGE

STAINLESS STEEL

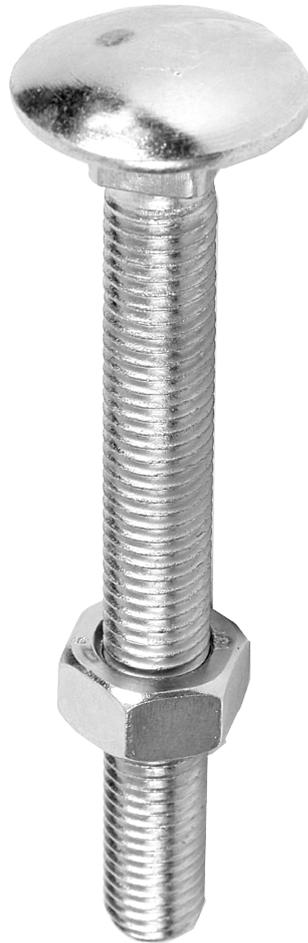
## COACH BOLTS - A2 STAINLESS STEEL

### A2 - 304 STAINLESS STEEL

A domed head bolt with a square anti spin shoulder mainly used for clamping timber or attaching ironmongery to timber



Size (mm)	Size (mm)	Size (mm)
M6 x 20	M8 x 100	M10 x 220
M6 x 25	M8 x 110	M10 x 240
M6 x 30	M8 x 120	M10 x 260
M6 x 35	M8 x 130	M12 x 30
M6 x 40	M8 x 140	M12 x 35
M6 x 45	M8 x 150	M12 x 50
M6 x 50	M8 x 200	M12 x 60
M6 x 60	M10 x 25	M12 x 70
M6 x 70	M10 x 30	M12 x 75
M6 x 80	M10 x 35	M12 x 80
M6 x 90	M10 x 40	M12 x 90
M6 x 100	M10 x 45	M12 x 100
M6 x 120	M10 x 50	M12 x 110
M6 x 140	M10 x 55	M12 x 120
M8 x 20	M10 x 60	M12 x 130
M8 x 25	M10 x 70	M12 x 140
M8 x 30	M10 x 75	M12 x 150
M8 x 35	M10 x 80	M12 x 180
M8 x 40	M10 x 90	M12 x 200
M8 x 45	M10 x 100	M12 x 220
M8 x 50	M10 x 110	M12 x 240
M8 x 55	M10 x 120	M12 x 260
M8 x 60	M10 x 130	M16 x 200
M8 x 65	M10 x 140	
M8 x 70	M10 x 150	
M8 x 75	M10 x 160	
M8 x 80	M10 x 180	
M8 x 90	M10 x 200	



**More sizes available.  
Also available in  
galvanised, A4 stainless &  
other finishes.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



**RETURN TO  
CONTENTS PAGE**

# ROOFING BOLTS

## ZINC PLATED

Roofing bolts are a type of bolt that are manufactured with a large flat head, sometimes known as a mushroom head, making them ideal for affixing to thin materials. The wide surface area of their head allows the holding force of the bolt to be spread further than a standard bolt, meaning a secure holding that is less likely to damage the material it is affixed to when under stress.

The bolts are typically fully threaded, complementing their suitability to thin material applications. Normally supplied with a square nut for easy tightening, these bolts are as versatile as they are easy to use, with wide slots on the head that can accommodate both flat head and cross head screwdrivers. Though called roofing bolts, these bolts are in fact used for a wide array of different purposes, and are commonly employed when joining metal surfaces.



Size (mm)	Size (mm)
M5 x 10	M6 x 200
M5 x 12	M8 x 16
M5 x 16	M8 x 20
M5 x 20	M8 x 25
M5 x 25	M8 x 30
M5 x 30	M8 x 35
M5 x 35	M8 x 40
M5 x 40	M8 x 50
M5 x 50	M8 x 60
M6 x 10	M8 x 70
M6 x 12	M8 x 80
M6 x 16	M8 x 100
M6 x 20	M8 x 120
M6 x 25	M8 x 160
M6 x 30	M10 x 20
M6 x 35	M10 x 25
M6 x 40	M10 x 30
M6 x 50	M10 x 40
M6 x 60	M10 x 60
M6 x 70	M10 x 70
M6 x 80	M10 x 80
M6 x 90	M10 x 100
M6 x 100	M10 x 160
M6 x 110	M10 x 180
M6 x 120	M10 x 200
M6 x 180	M10 x 260



RETURN TO  
CONTENTS PAGE

ZINC YELLOW



## COACH SCREWS - SOLO SLASH POINT

### ZINC YELLOW Solo Coach Screws, Flange Hex Head, Slash Point.

A versatile heavy duty screw with a hex flange head and is the modern replacement for traditional DIN 571 Coach Screws. Benefits from an aggressive slash point tip for easy driving and reduced splitting. Suitable for softwood, hardwood or masonry with a nylon plug. Zinc and Yellow passivated with a free socket driver included.



MASONRY  
(with plug)



SOFTWOOD



HARDWOOD

Size (mm)	Size (mm)
6 x 25	8 x 120
6 x 40	10 x 40
6 x 50	10 x 50
6 x 60	10 x 60
6 x 70	10 x 70
6 x 80	10 x 80
6 x 100	10 x 100
8 x 40	10 x 120
8 x 50	10 x 160
8 x 60	12 x 80
8 x 70	12 x 100
8 x 80	12 x 130
8 x 100	12 x 160



RETURN TO CONTENTS PAGE

# INDEX WOODSCREW - HEX & WAFER HEAD

## HEX HEAD

Designed as an alternative to the traditional Coach screws mainly used for timber to timber applications. Coated with a patented multi-layer corrosion resistant plating, this screw is ideal for outdoor applications. Also available with a wafer head for improved clamping or a low profile finish.

Size (mm)	Finishes available	Qty
6.7 x 60	Steel olive green	50
6.7 x 75	Steel olive green	50
6.7 x 75	A4 stainless	25
6.7 x 87	Steel olive green	50
6.7 x 100	Steel olive green	50
6.7 x 100	Steel olive green	6
6.7 x 100	A4 stainless	25
6.7 x 125	Steel olive green	50
6.7 x 125	A4 stainless	25
6.7 x 150	Steel olive green	50
6.7 x 150	Steel olive green	30
6.7 x 150	Steel olive green	4
6.7 x 150	A4 stainless	25
6.7 x 200	Steel olive green	50
6.7 x 200	Steel olive green	20
6.7 x 250	Steel olive green	50



### Hex Head

8mm hex head countersunk with a fixed washer.



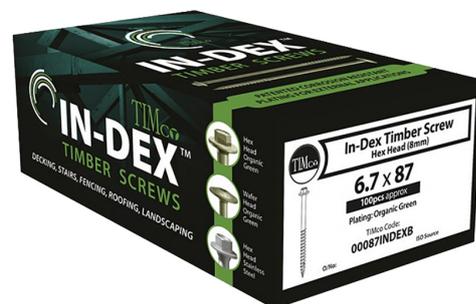
### Helix & Thread

Helix to remove debris and a 50° deep single thread to provide secure fixing with high pull-out resistance.



### Type 17 Slash

The Type 17 Slash to reduce torque and the likelihood of the timber splitting when the screw is inserted close to the edge.



## WAFER HEAD

Size (mm)	Finishes available	Qty	Bit
6.7 x 95	Steel olive green	50	T30
6.7 x 95	Steel olive green	6	T30
6.7 x 125	Steel olive green	50	T30
6.7 x 125	Steel olive green	30	T30
6.7 x 150	Steel olive green	50	T30
6.7 x 150	Steel olive green	20	T30
6.7 x 150	Steel olive green	4	T30
6.7 x 175	Steel olive green	50	T30
8 x 80	A2 Stainless Steel	25	T40
8 x 200	Steel olive green	50	T40
8 x 225	Steel olive green	50	T40
8 x 250	Steel olive green	50	T40
8 x 275	Steel olive green	25	T40
8 x 300	Steel olive green	25	T40
8 x 350	Steel olive green	25	T40
8 x 400	Steel olive green	25	T40



### Wafer Head

TIM Drive recess provides excellent drive. Wafer head for a secure clamping.



### Helix & Thread

Helix to remove debris and a 50° deep single thread to provide secure fixing with high pull-out resistance.



### Type 17 Slash

The Type 17 Slash to reduce torque and the likelihood of the timber splitting when the screw is inserted close to the edge.

Designed for decking, stairs, fences, roofing & landscaping. Coated with a patented multi-layer corrosion resistant plating this screw is ideal for outdoor applications.



ZINC YELLOW

**friulsider**

## FM WOOD SCREWS PRO



### ALL OF THE FM-WOOD ADVANTAGES

- Ribs under head, innovative shank design, wide pitch thread.
- **SPECIAL CUTTING POINT AND THREAD** - Easier installation and can be fixed close to edges.
- **EXCELLENT BENDING CAPACITY** - The screw adapts and absorbs the axial movements of the wood.

Size (mm)	Size(mm)
Countersunk Torx	TL Wafer Torx TX40
8 x 80	8 x 120
8 x 90	8 x 140
8 x 100	8 x 160
8 x 120	8 x 180
8 x 140	8 x 200
8 x 160	8 x 240
8 x 180	8 x 260
8 x 200	8 x 280
8 x 220	
8 x 240	
8 x 260	



RETURN TO  
CONTENTS PAGE

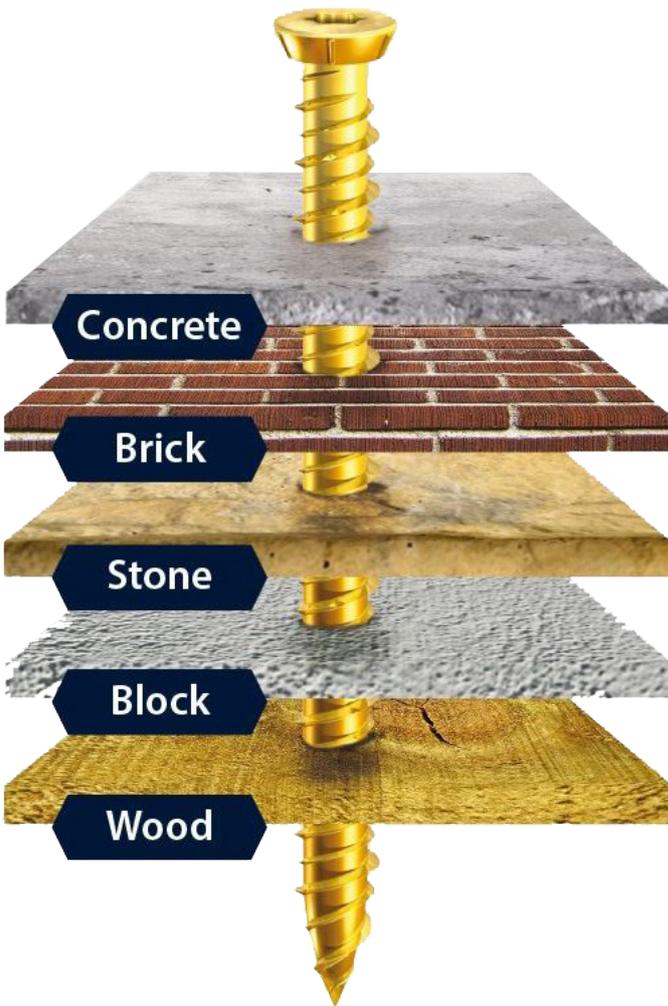


ZINC YELLOW

# MULTI-FIX CONCRETE SCREWS

TIMco Multi Fix (Masonry) Screws in an attractive branded bag. The TIMco Multi-Fix screw offers a rapid and effective light duty anchoring system for fixing into concrete, brick, stone, concrete block and wood. The concrete screw features a 30mm hi-lo starting thread for rapid installation and debris removal whilst offering a safe and secure fixing into most substrates. This through fixing provides a single solution and replaces traditional fixings such as nylon frame and hammer fixings.

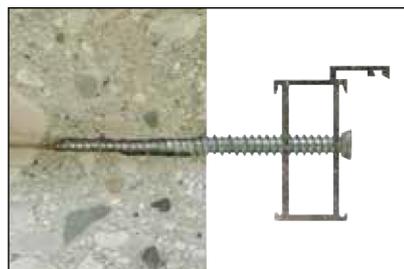
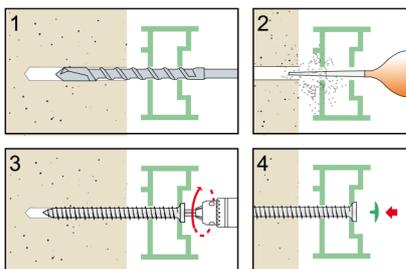
**Ideal for: electrical sector, facades, framework, hydraulics sector, carpentry, metal roofing, window fitters & wood sector.**



Size (mm)	Max Fixture (mm)
7.5 x 40	10mm
7.5 x 60	30mm
7.5 x 70	40mm
7.5 x 80	30mm
7.5 x 100	50mm
7.5 x 120	70mm
7.5 x 130	80mm
7.5 x 150	100mm
7.5 x 180	130mm
7.5 x 200	150mm



## Multi-Fix Screw Cover Cap



Part Number	Colour
CAPM100	Mahogany
CAPW100	White





# MULTI-FIX CONCRETE BOLTS

The TIMco research and development team has spent over four years developing the Multi-Fix bolt. The unique patented concave thread design taps its own thread and provides a rapid, low torque installation with exceptional pull out resistance. It also allows the user to adjust or remove the bolt ensuring a secure and accurate installation. 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.



Size(mm)
<b>Countersunk Torx</b>
8 x 60
8 x 75
8 x 100
10 x 60
10 x 75
10 x 100



Size (mm)
<b>Hex</b>
6 x 50 Flange
6 x 75 Flange
6 x 100 Flange
6 x 130 Flange
6 x 150 Flange
8 x 60
8 x 75
8 x 100
8 x 130
10 x 60
10 x 75
10 x 100
10 x 130
10 x 150
12 x 75
12 x 100
12 x 130
12 x 150
12 x 200
16 x 100
16 x 150



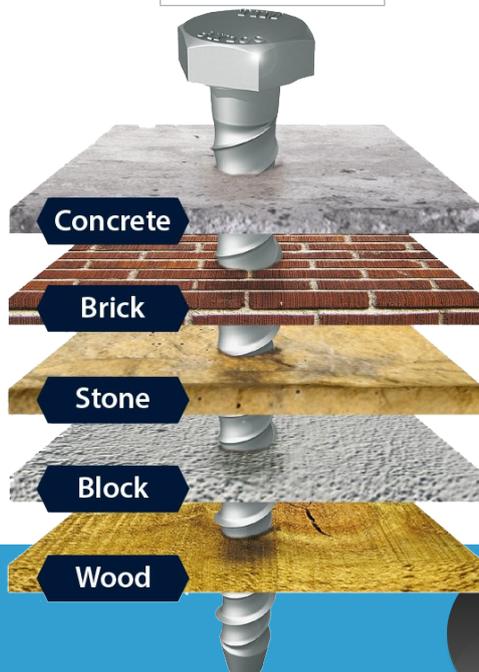
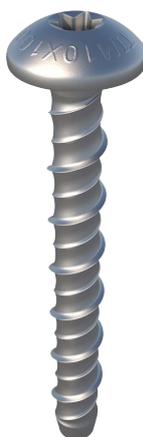
**HEX HEAD**  
New solution for heavy duty anchoring into concrete, brick, stone, wood and concrete block replacing the need for traditional anchors.

**HIGH-LO THREAD**  
High low parallel threads for ease of insertion and high pull out values.

**B-POINT**  
For use in pre-drilled shallow holes.



Size (mm)
<b>Pan Torx</b>
8 x 60
8 x 75
8 x 100
10 x 60
10 x 75
10 x 100



Marxman Professional Marking Tools - works on just about everything!

MarXman is a unique tool designed so that with one push it quickly, easily and clearly marks almost any surface.

The perfect drilling companion for electrical, plumbing, building jobs and much more.



250+ uses  
over 45mm to  
**100** MM



250+ uses  
up to  
**45** MM



# TAPCON CONCRETE SCREWS

## ORIGINAL TAPCON BLUE CONCRETE SCREW

With over one billion anchors sold, the Original Blue Tapcon with Climaseal® coating provides:

- Superior holding strength
- Corrosion-resistance and long-lasting performance due to the innovative Climaseal® blue coating
- The ability to withstand harsh conditions
- Long-lasting performance
- A reputation for quality, strength and ease of installation from industry professionals

### APPLICATIONS HEX:

Steel framing systems  
 Railings, hand rails  
 Fire protection  
 Insulation systems to masonry  
 Brackets and signs  
 Temp safety rails  
 Cable tray, channel  
 Suspended ceilings  
 Saddles  
 Back boxes  
 Cable clips  
 Conduit clips  
 P clips  
 Cable cleats  
 Ductwork  
 Wood Battens  
 Formwork  
 Plywood Boards  
 Conduits

### APPLICATIONS COUNTERSUNK:

Steel framing systems  
 Railings, hand rails  
 Insulation systems to masonry  
 Brackets and signs  
 Temp safety rails  
 Cable tray, channel  
 Suspended ceilings  
 Back boxes  
 Cable cleats  
 Ductwork  
 Wood battens  
 Formwork  
 Plywood boards  
 Conduits



## HEX

Size (mm)	P/N	Size (mm)	P/N	Size (mm)	P/N
5 x 32	921498	6 x 32	921501	6 x 70	921504
5 x 45	921499	6 x 45	921502	6 x 82	921505
5 x 57	921500	6 x 57	921503	6 x 100	921506

## COUNTERSUNK

Size (mm)	P/N	Size (mm)	P/N	Size (mm)	P/N
5 x 32	921507	5 x 82	921511	6 x 70	921516
5 x 45	921508	6 x 45	921514	6 x 100	921518
5 x 70	921510	6 x 57	921515	6 x 125	921519





## TEK SCREWS - CLADFIX

For fixing profiled metal cladding into cold rolled steel. This comprehensive range of high quality self drilling fasteners are designed to provide the industry with fixings that give very rapid and accurate installation with precision drill points eliminating 'skip action' to prevent damage to the face of the profile.

A range of fasteners precision engineered on the latest forged point dies and machinery. Forge points are far superior than any other self drill points available. The unique carbide dies give a perfect none drilling point throughout every production run.

### WITHOUT WASHER

Code	Size (mm)	Point No.	Material Thickness (mm)
CFT11	4.8 x 20	3	1.2 - 5.3
ASF17	5.5 x 25	3	1.2 - 5.3
ASF2271	5.5 x 25	3	1.2 - 5.3
ASF15	5.5 x 32	3	1.2 - 5.3
ASF2	5.5 x 38	3	1.2 - 5.3
ASF11	5.5 x 38	3	1.2 - 5.3
ASF12	5.5 x 43	3	1.2 - 5.3
ASF3	5.5 x 50	3	1.2 - 5.3
ASF21	5.5 x 51	3	1.2 - 5.3
ASF23	5.5 x 57	3	1.2 - 5.3
ASF38	5.5 x 70	3	1.2 - 5.3
CFT25	5.5 x 82	3	1.2 - 5.3
CFT26	5.5 x 98	3	1.2 - 5.3
CFT27	6.3 x 160	4	1.2 - 8



**HEAD STYLES**  
Hexagon head 5/16  
across flats & certain  
sizes available  
with 3/8 AF.

### WITH G16 WASHER

Code	Size (mm)	Point No.	Material Thickness (mm)
CFT11/G16	4.8 x 20	3	1.2 - 5.3
ASF17/G16	5.5 x 25	3	1.2 - 5.3
ASF2271/G16	5.5 x 25	3	1.2 - 5.3
ASF15/G16	5.5 x 32	3	1.2 - 5.3
ASF2/G16	5.5 x 38	3	1.2 - 5.3
ASF11/G16	5.5 x 38	3	1.2 - 5.3
ASF12/G16	5.5 x 43	3	1.2 - 5.3
ASF3/G16	5.5 x 50	3	1.2 - 5.3
ASF21/G16	5.5 x 51	3	1.2 - 5.3
ASF23/G16	5.5 x 57	3	1.2 - 5.3
ASF38/G16	5.5 x 70	3	1.2 - 5.3
CFT25/G16	5.5 x 82	3	1.2 - 5.3
CFT26/G16	5.5 x 98	3	1.2 - 5.3
CFT27/G16	6.3 x 160	4	1.2 - 8

### APPLICATIONS

For fixing profile metal, cladding single skin or insulation to cold rolled rails and purlins  
1.2 - 5.3mm thick.

### BENEFITS

- Super fast drill speed.
- Excellent pullout in thin materials.



RETURN TO  
CONTENTS PAGE



# TEK SCREWS - TIMBERFIX

Fasteners designed to fix timber to steel. To use, first drill a clearance hole through the timber using the winged area of this product. The wings then break off when they come into contact with the steel allowing the drill point to drill the steel to the correct size to give a positive engagement every time. Available both in 3 & 5 point versions allowing self drill action in steel up to 12.5mm thick.



Code	Size (mm)	Point No.	Material Thickness (mm)
ASF71	4.2 x 25	3 - Phil 1	1.2 - 5.3
ASF79	4.8 x 38	3 - Phil 2	1.2 - 5.3
ASF260	4.8 x 50	3 - Phil 2	1.2 - 5.3
ASF261	5.5 x 60	3 - Phil 2	1.2 - 5.3
ASF269	5.5 x 85	3 - Phil 3	1.2 - 5.3
ASF270	5.5 x 109	3 - Phil 3	1.2 - 5.3
ASF63	5.5 x 42	5 - Phil 3	5 - 12.5
ASF67	5.5 x 60	5 - Phil 3	5 - 12.5
ASF77	5.5 x 85	5 - Phil 3	5 - 12.5
ASF78	5.5 x 110	5 - Phil 3	5 - 12.5

## SPECIFICATIONS

Manufactured from carbon steel heat treated and bright zinc plated 12 microns

## HEAD STYLES

Countersunk phillips recess head No.2 & 3. Heads are self embedding.



## APPLICATIONS

Fixing all grades of timber and plywood to hot and cold rolled steel. Dry wall self drill screw for plasterboard to studding.

## BENEFITS

Reamer wings produce a clearance thread through timber, breaking off as they hit the steel, giving a positive fix in thick and thin steel.

## COVER CAPS FOR TEK SCREWS

5/16" hex cover caps to suit tek screws.  
16mm diameter



Colours
Black, white, pure white, white creamy, white alum, oyster, dark silver, metallic silver, cornflower, ocean blue, solent blue, britannia, albatross, merlin grey, goosewing grey, svelte grey, slate grey, sage, pinewood, verana, meadowland, moorland green, olive green, juniper green, raven/slate blue, mushroom, honesty, aztec, burano, ultra marine, sargasso, gentian blue, heritage, squirrel, anthracite, oyster, quartz, hamlet, metallic silver, terracotta, petra, poppy, tangerine, vandyke brown





## TEK SCREWS - ULTRA-DRIVE

The CFT 'ultra drive' range of quality engineered fasteners are precision engineered on the latest 'forged point' die machinery. This gives non-skid rapid drilling capacity producing the optimum size pilot hole to give maximum thread engagement.

This produces one of the fastest and most secure fastening systems available.

### WITHOUT WASHER

Code	Size (mm)	Point No.	Material Thickness (mm)
ASF32	5.5 x 22	5	1.2 - 8
ASF47	5.5 x 32	5	5 - 12.5
ASF24LP	5.5 x 38	5	5 - 12.5
ASF24	5.5 x 38	5	5 - 12.5
ASF27	5.5 x 51	5	5 - 12.5
ASF154	5.5 x 67	5	5 - 12.5
ASF33	5.5 x 76	5	5 - 12.5
ASF34	5.5 x 100	5	5 - 12.5
ASF35	5.5 x 115	5	5 - 12.5
ASF36	5.5 x 130	5	5 - 12.5
ASF37	5.5 x 150	5	5 - 12.5

### WITH WASHER

Code	Size (mm)	Point No.	Material Thickness (mm)
ASF32/G16	5.5 x 22	5	1.2 - 8
ASF47/G16	5.5 x 32	5	5 - 12.5
ASF47/G19	5.5 x 32	5	5 - 12.5
ASF24/G16	5.5 x 38	5	5 - 12.5
ASF24/G19	5.5 x 38	5	5 - 12.5
ASF27/G16	5.5 x 51	5	5 - 12.5
ASF27/G19	5.5 x 51	5	5 - 12.5
ASF154/G16	5.5 x 67	5	5 - 12.5
ASF154/G19	5.5 x 67	5	5 - 12.5
ASF33/G16	5.5 x 76	5	5 - 12.5
ASF34/G16	5.5 x 100	5	5 - 12.5
ASF35/G16	5.5 x 115	5	5 - 12.5
ASF36/G16	5.5 x 130	5	5 - 12.5



### APPLICATIONS

For fixing profile metal, cladding single skin or insulation to cold rolled rails and fixing to hot rolled steel 5.0mm to 12.5 mm.

### HEAD STYLES

Hex 5/16" AF.

### BENEFITS

Fast and effective fixing to thick steel giving maximum pullout and fast drill speed.

### SPECIFICATIONS

Manufactured from carbon steel, heat treated and zinc plated to 12 microns. For external and corrosive conditions.



### 5/16 HEX DRIVER BIT

To suit our hex headed tek screws.



# HEAVY ROOFGRIP SYSTEM (HRG)

## SELF DRILLING SCREWS

### Drill, tap & fasten in one easy operation

- 5.5mm & 6.3mm diameter provides high shear & tensile strength
- Self drilling S point: for thin sheet material
- Modified buttress thread: high pull-out resistance, reduced risk of stripping thread
- Low profile head reduces damage to underside of membrane
- High corrosion resistance for long life
- UEATC & FM4470 approved
- Philips No 3 recess, positive & safe drive system
- Stress plates available
- Heavy duty version available for fixing to concrete
- *CR-10 coating protects against rust and exceeds the rigorous ASTM B-117 5% salt spray corrosion and DIN 50018 acid rain tests by offering protection over 120 hours salt spray and 30 cycles Kesternich.*

### APPLICATIONS:

Attaching insulation and single ply membrane to standard steel decking and concrete

Protected roofing applications

\* HRG Roofgrip fasteners must penetrate steel deck by a minimum of 19mm.

\*\* HRG Roofgrip fasteners must penetrate plywood and timber plank by a minimum of 19mm.

\*\*\* HRG Roofgrip into concrete requires a predrilled 5mm pilot hole to be used at least 12mm deeper than the fastener embedment. The fastener must penetrate concrete by a minimum of 25mm



Screw Type	Total Length (mm)	Diameter (mm)	Steel Thickness (mm)	Max Future * Thickness Steel (mm)	Max Future ** Thickness Plywood (mm)	Max Future *** Thickness Concrete (mm)	P/N
HRG51	51	6.3	0.4 - 1.2	32	32	26	921178
HRG76	76	6.3	0.4 - 1.2	57	57	51	921179
HRG100	100	6.3	0.4 - 1.2	81	81	75	921168
HRG127	127	6.3	0.4 - 1.2	108	108	102	921169
HRG152	152	6.3	0.4 - 1.2	133	133	127	921170
HRG176	176	6.3	0.4 - 1.2	157	157	151	921171
HRG200	200	6.3	0.4 - 1.2	181	181	175	921172



RETURN TO  
CONTENTS PAGE

ZINC



## SELF TAPPING SCREWS - ZINC

**ZINC** For hard substrates such as metal or hard plastics. Used for stitching metal or attaching to metal. A pre-drilled hole is required.



**APPLICATIONS**  
Used for stitching metal or attaching to metal. A pre-drilled hole is required.

**PLATING**  
Plated in Trivalent Chromium (CR3) zinc 3 microns

Screw Gauge	Pilot Drill Size Approx
4g	2.4mm
6g	2.8mm
8g	3.2mm
10g	4.0mm
12g	4.8mm
14g	5.6mm



Pan Recessed Size (inches)	Pan Recessed Size (inches)	Countersunk Recessed Size (inches)	Countersunk Recessed Size (inches)	Flange Recessed Size (inches)	Raised Countersunk Recessed Size (inches)
2g x 3/16	8g x 1 3/4	4g x 1/4	10g x 5/8	6g x 3/8	4g X 3/8
2g x 1/4	8g x 2	4g x 3/8	10g x 3/4	6g x 1/2	4g x 5/8
2g x 3/8	8g x 2 1/2	4g x 1/2	10g x 1	6g x 5/8	4g x 3/4
2g x 1/2	10g x 3/8	4g x 5/8	10g x 1 1/4	6g x 3/4	4g x 1
4g x 1/4	10g x 1/2	4g x 3/4	10g x 1 1/2	6g x 1	6g x 3/8
4g x 3/8	10g x 5/8	4g x 1	10g x 1 3/4	6g x 1 1/4	6g x 1/2
4g x 1/2	10g x 3/4	6g x 1/4	10g x 2	8g x 3/8	6g x 5/8
4g x 5/8	10g x 1	6g x 3/8	10g x 2 1/2	8g x 1/2	6g x 3/4
4g x 3/4	10g x 1 1/4	6g x 1/2	12g x 3/4	8g x 5/8	6g x 1
4g x 1	10g x 1 1/2	6g x 5/8	12g x 1	8g x 3/4	6g x 1 1/4
6g x 1/4	10g x 1 3/4	6g x 3/4	12g x 1 1/4	8g x 1	6g x 1 1/2
6g x 5/16	10g x 2	6g x 1	12g x 1 1/2	8g x 1 1/4	8g x 1/2
6g x 3/8	10g x 2 1/2	6g x 1 1/4	12g x 1 3/4	10g x 1/2	8g x 5/8
6g x 1/2	12g x 1/2	6g x 1 1/2	12g x 2	10g x 5/8	8g x 3/4
6g x 5/8	12g x 3/4	6g x 2	14g x 1	10g x 3/4	8g x 1
6g x 3/4	12g x 1	8g x 3/8	14g x 1 1/4	10g x 1	8g x 1 1/4
6g x 1	12g x 1 1/4	8g x 1/2	14g x 1 1/2		8g x 1 1/2
6g x 1 1/4	12g x 1 1/2	8g x 5/8	14g x 1 3/4		8g x 1 3/4
6g x 1 1/2	12g x 2	8g x 3/4	14g x 2		8g x 2
8g x 3/8	14g x 3/4	8g x 1			10g x 1/2
8g x 1/2	14g x 1	8g x 1 1/4			10g x 3/4
8g x 5/8	14g x 1 1/4	8g x 1 1/2			10g x 1
8g x 3/4	14g x 1 1/2	8g x 1 3/4			10g x 1 1/2
8g x 1	14g x 2	8g x 2			
8g x 1 1/4	14g x 2 1/2	8g x 2 1/2			
8g x 1 1/2		10g x 1/2			

**Other sizes also available & in B Type (flat), self drilling, wafer head, zinc black, A2/A4 stainless steel.**



**RETURN TO CONTENTS PAGE**

ZINC

# SELF TAPPING SCREWS - MIXED

**ZINC** For hard substrates such as metal or hard plastics. Used for stitching metal or attaching to metal. Pre-Drilling may be required.



**APPLICATIONS**  
Used for stitching metal or attaching to metal.

Screw Gauge Imperial Inch	Pilot Drill Size Approx
4g	2.4mm
6g	2.8mm
8g	3.2mm
10g	4.0mm
12g	4.8mm
14g	5.6mm



Hex Head Size (inch) Point AB	Self Drilling Countersunk Pozi Size (inch)	Self Drilling Hex & Pan Recessed Size (inch)	Countersunk B Type Pozi Size (inch)	Pan Recessed B Type Size (inch)	Pan Recessed & Slot B Type Size (inch)
6g x 3/8	4g x 1/2	Hex Head	2g x 1/4	2g x 3/16	Pan Recessed
6g x 1/2	6g x 1/2	8g x 5/8	2g x 3/8	2g x 1/4	8g x 1
8g x 3/8	6g x 5/8	8g x 3/4	4g x 1/4	2g x 5/16	8g x 1 1/4
8g x 1/2	6g x 3/4	10g x 5/8	4g x 5/16	2g x 3/8	10g x 1/4
8g x 3/4	6g x 1	10g x 3/4	4g x 3/8	2g x 1/2	10g x 3/8
10g x 1/2	8g x 3/4	10g x 1	4g x 1/2	4g x 3/16	10g x 1/2
10g x 5/8	8g x 1	Pan Recessed	4g x 5/8	4g x 1/4	10g x 5/8
10g x 3/4	8g x 1 1/4	4g x 3/4	4g x 3/4	4g x 5/16	10g x 3/4
10g x 1	10g x 1	6g x 3/8	6g x 3/8	4g x 3/8	10g x 1
10g x 1 1/4	10g x 1 1/4	6g x 1/2	6g x 1/2	4g x 1/2	10g x 1 1/4
10g x 1 1/2	10g x 1 3/4	6g x 5/8	6g x 5/8	4g x 5/8	12g x 1/2
12g x 3/4	10g x 2	6g x 3/4	8g x 3/8	4g x 3/4	12g x 3/4
12g x 1		6g x 1 1/2	8g x 5/8	4g x 1 1/4	Pan Slot
12g x 1 1/2		8g x 1/2	8g x 1	6g x 3/16	2g x 1/4
14g x 3/4		8g x 5/8	10g x 5/8	6g x 1/4	2g x 5/16
14g x 1		8g x 3/4	10g x 3/4	6g x 5/16	2g x 3/8
14g x 1 1/4		8g x 1	10g x 1	6g x 3/8	2g x 1/2
14g x 1 1/2		8g x 1 1/4	14g x 1 1/4	6g x 1/2	6g x 5/16
14g x 2		8g x 1 1/2	14g x 1 1/2	6g x 5/8	6g x 3/8
		10g x 3/4	14g x 1 3/4	6g x 3/4	8g x 3/8
		10g x 1	14g x 2	8g x 1/4	8g x 3/4
		10g x 1 1/4	14g x 2 1/2	8g x 3/8	8g x 1
		10g x 1 1/2		8g x 1/2	10g x 1/2
		10g x 1 3/4		8g x 5/8	
		10g x 2		8g x 3/4	

**Other sizes also available in wafer head, zinc black & A2/A4 stainless steel.**



STAINLESS STEEL



## SELF TAPPING SCREWS - STAINLESS STEEL

### A2 - 304 STAINLESS STEEL

For hard substrates such as metal or hard plastics. Used for stitching metal or attaching to metal. A pre-drilled hole is required.

**APPLICATIONS**  
Used for stitching metal or attaching to metal. A pre-drilled hole is required.

**PLATING**  
Plated in Trivalent Chromium (CR3) zinc 3 microns



Screw Gauge Imperial Inch	Pilot Drill Size Approx
4g	2.4mm
6g	2.8mm
8g	3.2mm
10g	4.0mm
12g	4.8mm
14g	5.6mm



Pan Recessed Size (inch)	Pan Recessed Size (inch)	Countersunk Recessed Size (inch)	Countersunk Recessed Size (inch)	Flange Recessed Size (inch)	Raised Countersunk Recessed Size (inch)
2g x 3/16	8g x 1/2	4g x 1/4	8g x 2	6g x 3/8	6g x 3/8
2g x 1/4	8g x 5/8	4g x 3/8	8g x 2 1/2	6g x 1/2	6g x 1/2
2g x 3/8	8g x 3/4	4g x 1/2	10g x 1/2	6g x 5/8	6g x 5/8
2g x 1/2	8g x 1	4g x 5/8	10g x 5/8	6g x 3/4	6g x 3/4
2g x 5/8	8g x 1 1/4	4g x 3/4	10g x 3/4	6g x 1	6g x 1
2g x 3/4	8g x 1 1/2	4g x 1	10g x 1	6g x 1 1/4	6g x 1 1/4
4g x 1/4	8g x 1 3/4	4g x 1 1/4	10g x 1 1/4	8g x 3/8	6g x 1 1/2
4g x 3/8	8g x 2	6g x 1/4	10g x 1 1/2	8g x 1/2	8g x 3/8
4g x 1/2	8g x 2 1/2	6g x 5/16	10g x 1 3/4	8g x 5/8	8g x 1/2
4g x 5/8	10g x 3/8	6g x 3/8	10g x 2	8g x 3/4	8g x 5/8
4g x 3/4	10g x 1/2	6g x 1/2	10g x 2 1/2	8g x 1	8g x 3/4
4g x 1	10g x 5/8	6g x 5/8	10g x 2 3/4	8g x 1 1/4	8g x 1
6g x 1/4	10g x 3/4	6g x 3/4	12g x 1/2	8g x 1 1/2	8g x 1 1/4
6g x 5/16	10g x 1	6g x 1	12g x 3/4	8 x 2	8g x 1 1/2
6g x 3/8	10g x 1 1/4	6g x 1 1/4	12g x 1	10g x 1/2	8g x 1 3/4
6g x 1/2	10g x 1 1/2	6g x 1 1/2	12g x 1 1/4	10g x 5/8	8g x 2
6g x 5/8	10g x 1 3/4	6g x 1 3/4	12g x 1 1/2	10g x 3/4	10g x 3/8
6g x 3/4	10g x 2	6g x 2	12g x 1 3/4	10g x 1	10g x 1/2
6g x 1	10g x 2 1/2	8g x 3/8	12g x 2	10g x 1 1/4	10g x 3/4
6g x 1 1/4	10g x 3 1/4	8g x 1/2	12g x 2 1/2	10g x 1 1/2	10g x 1
6g x 1 1/2	12g x 1/2	8g x 5/8	12g x 3		10g x 1 1/4
6g x 1 3/4	12g x 3/4	8g x 3/4	14g x 3/4		10g x 1 1/2
6g x 2	12g x 1	8g x 1	14g x 1		10g x 2
8g x 1/4	12g x 1 1/4	8g x 1 1/4	14g x 1 1/4		12g x 5/8
8g x 5/16	12g x 1 1/2	8g x 1 1/2	14g x 1 1/2		12g x 1 1/4
8g x 3/8	12g x 1 3/4	8g x 1 3/4	14g x 2		12g x 2

**Other sizes, wafer head, zinc, & A4 stainless steel also available.  
FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**



# SELF TAPPING SCREWS - STAINLESS MIXED

## A2 - 304 STAINLESS STEEL

For hardsubstrates such as metal or hard plastics. Used for stitching metal or attaching to metal. A pre-drilled hole is required.



**APPLICATIONS**  
Used for stitching metal or attaching to metal. A pre-drilled hole is required.

Screw Gauge Imperial Inch	Pilot Drill Size Approx
4g	2.4mm
6g	2.8mm
8g	3.2mm
10g	4.0mm
12g	4.8mm
14g	5.6mm



Hex Head Size (inch)	Self Drilling Countersunk Size (inch)	Self Drilling Hex & Pan Recessed Size (inch)	Countersunk B Type Size (inch)	Pan Recessed B Type Size (inch)	Pan Recessed & Slot B Type Size (inch)
6g x 3/4	4g x 1/2	Hex	2g x 1/4	2g x 3/16	Pan Recessed
8g x 1	6g x 1/2	8g x 5/8	2g x 3/8	2g x 1/4	8g x 3/4
10g x 3/4	6g x 5/8	8g x 3/4	4g x 1/4	2g x 5/16	8g x 1
10g x 1 3/4	6g x 3/4	10g x 5/8	4g x 5/16	2g x 3/8	8g x 1 1/4
12g x 3/4	6g x 1	10g x 3/4	4g x 3/8	2g x 1/2	10g x 1/4
12g x 1 1/2	8g x 3/4	10g x 1	4g x 1/2	4g x 3/16	10g x 3/8
14g x 3/4	8g x 1	Pan Recessed	4g x 5/8	4g x 1/4	10g x 1/2
14g x 1	8g x 1 1/4	4g x 3/4	4g x 3/4	4g x 5/16	10g x 5/8
14g x 1 1/4	10g x 1	6g x 3/8	6g x 3/8	4g x 3/8	10g x 3/4
14g x 1 1/2	10g x 1 1/4	6g x 1/2	6g x 1/2	4g x 1/2	10g x 1
14g x 2	10g x 1 3/4	6g x 5/8	6g x 5/8	4g x 5/8	10g x 1 1/4
14g x 2 3/8	10g x 2	6g x 3/4	8g x 3/8	4g x 3/4	12g x 1/2
	10g x 2 1/2	6g x 1 1/2	8g x 5/8	4g x 1 1/4	12g x 3/4
		8g x 1/2	8g x 1	6g x 3/16	Pan Slot
		8g x 5/8	10g x 5/8	6g x 1/4	2g x 1/4
		8g x 3/4	10g x 3/4	6g x 5/16	2g x 5/16
		8g x 1	10g x 1	6g x 3/8	2g x 3/8
		8g x 1 1/4	14g x 1 1/4	6g x 1/2	2g x 1/2
		8g x 1 1/2	14g x 1 1/2	6g x 5/8	6g x 5/16
		10g x 3/4	14g x 1 3/4	6g x 3/4	6g x 3/8
		10g x 1	14g x 2	8g x 1/4	8g x 3/8
		10g x 1 1/2	14g x 2 1/2	8g x 3/8	8g x 3/4
		10g x 1 3/4		8g x 1/2	8g x 1
		10g x 2		8g x 5/8	10g x 1/2

**Some sizes also available & in wafer head, zinc, zinc black & A4 stainless steel. FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**



ZINC

ZINC YELLOW



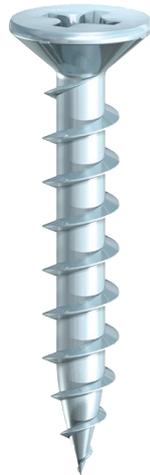
## WINDOW SCREWS

### COUNTERSUNK HEAD WITH RIBS, SINGLE THREAD, GIMLET TIP

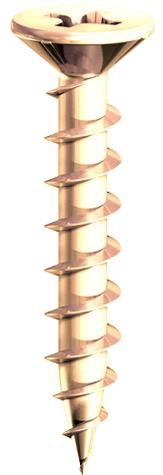
Multiple uses for fitting a variety of hardware to frames where there is no steel or aluminium reinforcement present. The larger 4.8mm diameter items known as repair screws are frequently used in stripped holes. The stainless steel options should be used where there is a corrosive environment.



Code	Size (mm)	Box Qty
Zinc		
201Z	4.3 x 16	1000
202Z	4.3 x 20	1000
203Z	4.3 x 35	1000
204Z	4.3 x 25	1000
205Z	4.3 x 30	1000
206Z	4.3 x 40	1000
207Z	4.3 x 45	500
208Z	4.3 x 55	500
209Z	4.8 x 25	1000
210Z	4.8 x 38	1000



Code	Size (mm)	Box Qty
Yellow		
201Y	4.3 x 16	1000
202Y	4.3 x 20	1000
203Y	4.3 x 35	1000
204Y	4.3 x 25	1000
205Y	4.3 x 30	1000
206Y	4.3 x 40	1000
207Y	4.3 x 45	500
208Y	4.3 x 55	500
209Y	4.8 x 25	1000
210Y	4.8 x 38	1000



### COUNTERSUNK HEAD, HI-LOW THREAD, SLASH TIP

An alternative to the single thread range offering a slash point and high/low thread. Can also be used when 'pinning' PVC reinforcement. The larger 4.8mm diameter items known as repair screws are frequently used in stripped holes.

Code	Size (mm)	Box Qty
Zinc		
104Z	4.3 x 25	1000
105Z	4.3 x 30	1000
106Z	4.3 x 40	1000
109Z	4.8 x 25	1000



Code	Size (mm)	Box Qty
Yellow		
104Y	4.3 x 25	1000
105Y	4.3 x 30	1000
106Y	4.3 x 40	1000
109Y	4.8 x 25	1000



**ZINC****ZINC YELLOW**

# WINDOW SCREWS

## SHALLOW PAN COUNTERSUNK, SINGLE DEEP THREAD, GIMBLET TIP

For attaching friction stays with countersunk holes to PVCu frames. The stainless steel option should be used where there is a corrosive environment or an increased risk of corrosion.



### PAN COUNTERSUNK PHILLIPS HEAD

Code	Size (mm)	Box Qty
Zinc		
211Z	4.3 x 20	1000
212Z	4.3 x 25	1000
213Z	4.3 x 16	1000



### PAN COUNTERSUNK PHILLIPS WITH SERRATIONS

Code	Size (mm)	Box Qty
Zinc		
215Z	4.8 x 16	1000
216Z	4.8 x 20	1000
217Z	4.8 x 25	1000
218Z	4.8 x 30	1000



## SHALLOW PAN COUNTERSUNK HEAD, HI-LOW THREAD, SLASH TIP

For attaching friction stays to PVCu frames. An alternative to the single thread range offering a slash point and a high/low thread to aid speed of insertion & pull out, respectively.

Code	Size (mm)	Box Qty
Zinc		
111Z	4.3 x 20	1000
112Z	4.3 x 25	1000



## ELEMENT SCREW

Mechanical jointing screw with special truncated head for fixing either frame to frame or frame to mullions. The flat area underneath the head increases surface area to improve clamping.

Code	Size (mm)	Box Qty
Yellow		
191Y	4.8 x 55	200
192Y	4.8 x 65	200
193Y	4.8 x 80	200
194Y	4.8 x 95	200



## WEATHER BAR SCREW

For use when attaching a weather bar or drip rail to PVCu window & door frames to prevent water ingress. Large head provides easy & secure clipping.

Code	Size (mm)	Box Qty
Zinc		
241Z	4.2 x 13	1000

[RETURN TO CONTENTS PAGE](#)

ZINC



## WINDOW SCREWS

### REINFORCED FRAME SCREW

Generally used for attaching steel hardware to steel reinforced PVCu sections. The flat underside of the screws head allows it to clamp the materials together firmly.

Code	Size (mm)	Box Qty
Zinc		
130Z	4.2 x 13	1000
131Z	4.2 x 16	1000
132Z	4.2 x 19	1000
133Z	4.2 x 25	1000



### CILL SCREW

Used for attaching cills to the base of the door & window frames. The self drilling point permits the screw to drill through both reinforced and unreinforced frames.

Code	Size (mm)	Box Qty
Zinc		
225Z	4.2 x 50	500
226Z	4.2 x 55	500
227Z	4.2 x 65	200



### BAYPOLE SCREW

Specifically designed for the joining of PVCu bay window sections but frequently used for other window and door fabrication purposes.

Code	Size (mm)	Box Qty
Yellow		
289Z	4.8 x 40	200
290Z	4.8 x 50	200
291Z	4.8 x 60	200
292Z	4.8 x 70	200
293Z	4.8 x 80	200
294Z	4.8 x 90	200
295Z	4.8 x 100	200



RETURN TO  
CONTENTS PAGE

ZINC

ZINC YELLOW



PHILLIPS

# WINDOW SCREWS

## COUNTERSUNK HEAD, SELF-TAPPING THREAD, SELF-DRILLING POINT

Multiple uses for fitting a variety of hardware to frames where there is a steel or aluminium reinforcement present. The smaller lengths with a ribbed countersunk head can also be used when pinning reinforcement.



Code	Size (mm)	Box Qty
Zinc		
120Z	3.9 x 13	1000
121Z	3.9 x 16	1000
122Z	3.9 x 19	1000
123Z	3.9 x 25	1000
124Z	3.9 x 32	1000
125Z	3.9 x 38	1000
126Z	3.9 x 29	1000
127Z	3.9 x 45	500



Code	Size (mm)	Box Qty
Yellow		
120Y	3.9 x 13	1000
121Y	3.9 x 16	1000
122Y	3.9 x 19	1000
123Y	3.9 x 25	1000
124Y	3.9 x 32	1000
125Y	3.9 x 38	1000
127Y	3.9 x 45	500



## COUNTERSUNK HEAD, METRIC THREAD, SELF-DRILLING POINT

An alternative to the self tapping thread version. This metric threaded screw has multiple uses for fitting a variety of hardware to frames where there is a steel reinforcement present.



Code	Size (mm)	Box Qty
Zinc		
150Z	M4 x 16	1000
151Z	M4 x 19	1000
153Z	M4 x 25	1000
154Z	M4 x 32	1000
155Z	M4 x 38	500



Code	Size (mm)	Box Qty
Yellow		
150Y	M4 x 16	1000
151Y	M4 x 19	1000
153Y	M4 x 25	1000
154Y	M4 x 32	1000
155Y	M4 x 38	500



RETURN TO  
CONTENTS PAGE

STAINLESS STEEL

## SECURITY FASTENERS

### PIN TORX SELF TAPPERS - STAINLESS STEEL

6-Lobe recess manufactured with an internal pin. Popular security drive for high torque applications. Quickly and easily installed and removed using matching tooling.



### COUNTERSUNK TORX

Size (inch)	Driver Size
4 x 1/2	TX10
6 x 1/2	TX15
6 x 3/4	TX15
6 x 1	TX15
6 x 1 1/4	TX15
6 x 1 1/2	TX15
8 x 3/8	TX20
8 x 1/2	TX20
8 x 5/8	TX20
8 x 3/4	TX20
8 x 1	TX20
8 x 1 1/4	TX20
8 x 1 1/2	TX20
8 x 2	TX20
8 x 2 1/2	TX20
10 x 3/4	TX25
10 x 1	TX25
10 x 1 1/4	TX25
10 x 1 1/2	TX25
10 x 2	TX25



### BUTTON HEAD TORX

Size (inch)	Driver Size
6 x 1/2	TX10
6 x 5/8	TX10
6 x 3/4	TX10
6 x 1	TX10
6 x 1 1/2	TX10
8 x 3/8	TX10
8 x 1/2	TX15
8 x 5/8	TX15
8 x 3/4	TX15
8 x 1	TX15
8 x 1 1/4	TX15
8 x 1 1/2	TX15
8 x 2	TX15
10 x 3/4	TX25
10 x 1	TX25
10 x 1 1/4	TX25
10 x 1 1/2	TX25
10 x 2	TX25



RETURN TO CONTENTS PAGE

STAINLESS STEEL

# SECURITY FASTENERS

## HEX PIN SELF TAPPERS - STAINLESS STEEL

Hexagon screws manufactured with an internal pin.

This drive prevents removal with standard hexagon tools. Suitable for medium torque applications and is one the most difficult to remove without the matching driver.

### COUNTERSUNK PIN HEX

Size (inch)	Driver Size
6 x 3/8	HM2
6 x 1/2	HM2
6 x 3/4	HM2
6 x 1	HM2
6 x 1 1/2	HM2
8 x 1/2	HM2.5
8 x 3/4	HM2.5
8 x 1	HM2.5
8 x 1 1/4	HM2.5
8 x 1 1/2	HM2,5
8 x 2	HM2.5
10 x 3/4	HM3
10 x 1	HM3
10 x 1 1/4	HM3
10 x 1 1/2	HM3
10 x 2	HM3
10 x 2 1/2	HM3
12 x 1	HM4
12 x 1 1.2	HM4
12 x 2	HM4
14 x 1 1/4	HM4
14 x 2	HM4



### BUTTON HEAD PIN HEX

Size (inch)	Driver Size
6 x 3/8	HM2
6 x 1/2	HM2
6 x 3/4	HM2
6 x 1	HM2
8 x 3/8	HM2.5
8 x 1/2	HM2.5
8 x 3/4	HM2.5
8 x 1	HM2.5
8 x 1 1/4	HM2.5
8 x 1 1/2	HM2.5
8 x 2	HM2.5
10 x 3/4	HM3
10 x 1 1/4	HM3
10 x 1 1/2	HM3
10 x 2	HM3
10 x 2 1/2	HM3
12 x 1	HM4
12 x 1 1/4	HM4
12 x 1 1/2	HM4
12 x 2	HM4
14 x 1	HM4
14 x 1 1/2	HM4



### HEX PIN KEY

Size	Size Across Flats (mm)
M3/6G	2.0
M4/8G	2.5
M5/10G	3.0
M6/12G/14G	4.0
M8	5.0
M10	6.0



### HEX PIN BIT

Size	Size Across Flats (mm)
M3/6G	2.0
M4/8G	2.5
M5/10G	3.0
M6/12G/14G	4.0
M8	5.0
M10	6.0
M12	8.0



STAINLESS STEEL

## SECURITY FASTENERS

### PIN TORX MACHINE SCREWS STAINLESS STEEL

6-Lobe recess manufactured with an internal pin.

Popular security drive for high torque applications. Quickly and easily installed and removed using matching tooling.



 Buy Now

### BUTTON TORX



 Buy Now

### COUNTERSUNK TORX

Size (mm)	Driver Size
M3 x 6	TX10
M3 x 8	TX10
M3 x 10	TX10
M3 x 12	TX10
M3 x 20	TX10
M4 x 6	TX20
M4 x 8	TX20
M4 x 12	TX20
M4 x 16	TX20
M4 x 40	TX20
M4 x 50	TX20
M5 x 10	TX25
M5 x 12	TX25
M5 x 16	TX25
M5 x 25	TX25
M5 x 30	TX25
M5 x 40	TX25
M5 x 50	TX25
M6 x 10	TX30
M6 x 12	TX30
M6 x 16	TX30
M6 x 20	TX30
M6 x 30	TX30
M6 x 40	TX30
M8 x 20	TX40
M8 x 30	TX40
M8 x 40	TX40
M8 x 55	TX40

Size (mm)	Driver Size	Size (mm)	Driver Size
M3 x 6	TX10	M6 x 30	TX30
M3 x 8	TX10	M6 x 40	TX30
M3 x 10	TX10	M6 x 50	TX30
M3 x 12	TX10	M8 x 12	TX40
M3 x 20	TX10	M8 x 16	TX40
M4 x 6	TX20	M8 x 20	TX40
M4 x 8	TX20	M8 x 25	TX40
M4 x 10	TX20	M8 x 30	TX40
M4 x 12	TX20	M8 x 40	TX40
M4 x 16	TX20	M8 x 50	TX40
M4 x 20	TX20	M8 x 55	TX40
M4 x 25	TX20	M8 x 60	TX40
M4 x 30	TX20	M8 x 80	TX40
M4 x 40	TX20	M10 x 25	TX45
M x 8	TX25	M10 x 40	TX45
M5 x 10	TX25	M10 x 50	TX45
M5 x 12	TX25	M10 x 60	TX45
M5 x 16	TX25	M10 x 80	TX45
M5 x 20	TX25		
M5 x 25	TX25		
M5 x 30	TX25		
M5 x 40	TX25		
M5 x 50	TX25		
M6 x 10	TX30		
M6 x 12	TX30		
M6 x 16	TX30		
M6 x 20	TX30		
M6 x 25	TX30		

### TORXplus® Insert Bits (25mm)

 Buy Now

Size (mm)
Torx Bits
TX10
TX15
TX20
TX25
TX27
TX30
TX40
TX45



 Buy Now



6-Lobe Pin Key Wrench Torx keys



RETURN TO CONTENTS PAGE

# SECURITY FASTENERS

## HEX PIN MACHINE SCREWS STAINLESS STEEL

Hexagon socket screws manufactured with an internal pin.

This drive prevents removal with standard hexagon tools. Suitable for medium torque applications and is one the most difficult to remove without the matching driver.



### COUNTERSUNK HEX PIN



Size (mm)	Driver Size
M3 x 6	HM2
M3 x 10	HM2
M3 x 20	HM2
M4 x 8	HM2.5
M4 x 10	HM2.5
M4 x 12	HM2.5
M4 x 20	HM2.5
M5 x 12	HM3
M5 x 16	HM3
M5 x 20	HM3
M5 x 25	HM3
M5 x 40	HM3
M6 x 16	HM4
M6 x 25	HM4
M6 x 30	HM4
M6 x 40	HM4
M6 x 50	HM4
M6 x 60	HM4
M8 x 16	HM5
M8 x 20	HM5
M8 x 25	HM5
M8 x 30	HM5
M8 x 40	HM5
M8 x 60	HM5
M10 x 25	HM6
M10 x 30	HM6
M10 x 40	HM6
M10 x 50	HM6

### BUTTON HEAD HEX PIN



Size (mm)	Driver Size	Size (mm)	Driver Size
M3 x 6	HM2	M6 x 30	HM4
M3 x 8	HM2	M6 x 35	HM4
M3 x 20	HM2	M6 x 40	HM4
M4 x 6	HM2.5	M6 x 45	HM4
M4 x 8	HM2.5	M6 x 50	HM4
M4 x 10	HM2.5	M6 x 60	HM4
M4 x 12	HM2.5	M8 x 12	HM5
M4 x 16	HM2.5	M8 x 16	HM5
M4 x 20	HM2.5	M8 x 20	HM5
M4 x 25	HM2.5	M8 x 25	HM5
M4 x 30	HM2.5	M8 x 30	HM5
M4 x 40	HM2.5	M8 x 35	HM5
M5 x 8	HM3	M8 x 40	HM5
M5 x 10	HM3	M8 x 50	HM5
M5 x 12	HM3	M8 x 60	HM5
M5 x 16	HM3	M10 x 16	HM6
M5 x 20	HM3	M10 x 20	HM6
M5 x 25	HM3	M10 x 25	HM6
M5 x 30	HM3	M10 x 30	HM6
M5 x 40	HM3	M10 x 40	HM6
M6 x 12	HM4	M10 x 50	HM6
M6 x 16	HM4	M10 x 60	HM6
M6 x 20	HM4	M10 x 100	HM6
M6 x 25	HM4	M12 x 25	HM8
		M12 x 50	HM8
		M12 x 60	HM8

## WALL PLUGS

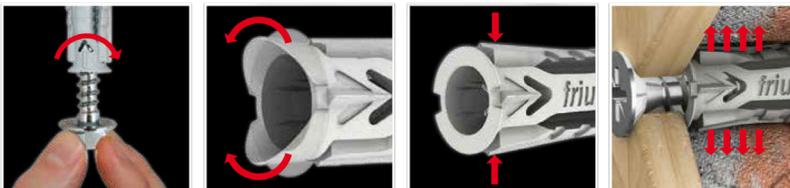
Wall plugs can be used on masonry walls such as brick or stone, they should not be used on plasterboard walls as other more suitable fixings are available for this purpose. Wall plugs are the most commonly used type of fixing device, they are simple to use and give good results with a simple wood screw. There are several different sizes of wall plug with different colours to match the hole size and screw size.

Type	Pack Quantity
Standard Brown	100
Standard Red	100
Standard Yellow	100
Standard Blue	100
Standard Orange	100



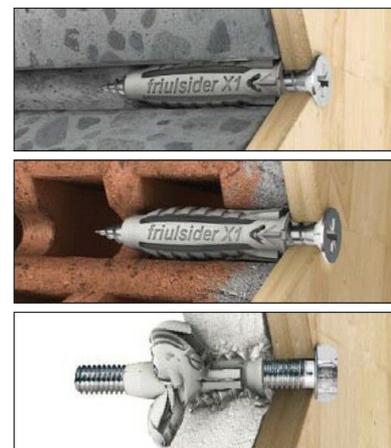
### friulsider

- X1 Universal Nylon Plugs.
- Extra Thin Countersunk Rim.
- Collapsible Rim.
- Low Torque During Tightening.
- Different Expansions.
- Dynamic Geometry.
- Metric Screws.



Size (mm)	** Pack Quantity
5 x 25	100
6 x 30	100
8 x 40	100
10 x 50	50
12 x 60	25
14 x 70	20

X1 plugs are suitable for: -  
**Concrete, Honeycomb Brick, Lightweight Honeycomb Brick, Hollow Light Aggregate Block, Plasterboard, Solid Stone, Solid Brick, Cell Like Clay Brick, Holy Dense Aggregate Block & Aerated Concrete.**



RETURN TO  
CONTENTS PAGE

# SCREW CUPS & CAPS

## PUSH ON SCREW COVER CAPS 024

- For use with pozi screws.
- Push on with a concealed finish.
- Simple to use.

### Colours

Black, white, beige, beech, dark brown, light brown, ivory, grey



## 10mm PUSH ON COVER CAPS 021

- Press fit cover cap to cover a blank hole.

### Colours

Black, white, beige, beech, dark brown, light brown, ivory, grey



## DOMED COVER CAP & WASHER

- 2 piece cap and washer for countersunk screws.
- Cap snaps over the washer to provides a decorative finish.

### Colours

Black, white, chrome, dark brown, light brown



## HINGED COVER SCREW CAP

For cosmetic use to conceal screws. Ranges from 6 - 8g

### Colours

White, Beige, Dark Brown, Black.



RETURN TO  
CONTENTS PAGE

## SCREW CUPS & CAPS

### SURFACE SCREW CUPS

Surface Screw Cups are primarily used within the furniture industry to enhance the aesthetic appearance of the unit or item of furniture they are used on. For use with countersunk wood screws in timber, they provide a hard-wearing and decorative finish for all sorts of projects. Perfectly suited for use in joinery and other wooden assemblies, including cabinets, tables, kitchens, flat-pack furniture and shop equipment.



Available Materials	Available Sizes
Brass, Brass Nickel, Stainless	4G, 6G, 8G, 10G, 12G, 14G



### TURND SCREW CUPS

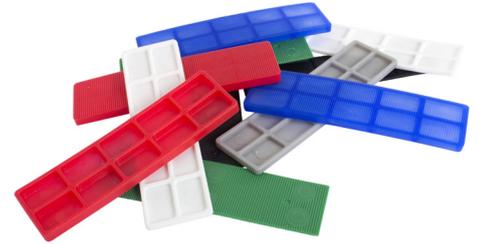
Solid brass turned pattern screw cups are ideal for use with solid brass woodscrews in timber. They provide a neat, flush finish for countersunk screws without pulling into the wood. The knurled body of the cup grips the sides of the hole, providing a strong fixing. They are perfect for holding panels which will need to be removed later. Made from anti-corrosive and water resistant natural brass, which also provides an aesthetically pleasing finish, working particularly well with wood.



Available Materials	Available Sizes
Brass, Brass Nickel	6G, 8G, 10G, 12G, 14G



# GLAZING PACKERS & "U" SHIMS



## GLAZING PACKERS

Suits a wide range of applications such as installing drywall, cladding, glazing and fixing door frames.

Size (mm)	Colour
20 x 100 x 1	Green
22 x 100 x 1	Green
24 x 100 x 1	Green
26 x 100 x 1	Green
28 x 100 x 1	Green
30 x 100 x 1	Green
32 x 100 x 1	Green

Size (mm)	Colour
20 x 100 x 2	Black
22 x 100 x 2	Black
24 x 100 x 2	Black
26 x 100 x 2	Black
28 x 100 x 2	Black
30 x 100 x 2	Black
32 x 100 x 2	Black

Size (mm)	Colour
20 x 100 x 3	White
22 x 100 x 3	White
24 x 100 x 3	White
26 x 100 x 3	White
28 x 100 x 3	White
30 x 100 x 3	White
32 x 100 x 3	White

Size (mm)	Colour
20 x 100 x 4	Grey
22 x 100 x 4	Grey
24 x 100 x 4	Grey
26 x 100 x 4	Grey
28 x 100 x 4	Grey
30 x 100 x 4	Grey
32 x 100 x 4	Grey

Size (mm)	Colour
20 x 100 x 5	Blue
22 x 100 x 5	Blue
24 x 100 x 5	Blue
26 x 100 x 5	Blue
28 x 100 x 5	Blue
30 x 100 x 5	Blue
32 x 100 x 5	Blue

Size (mm)	Colour
20 x 100 x 6	Red
22 x 100 x 6	Red
24 x 100 x 6	Red
26 x 100 x 6	Red
28 x 100 x 6	Red
30 x 100 x 6	Red
32 x 100 x 6	Red

## STANDARD U SHIMS

Shims designed to make fixing to uneven surfaces easier and to provide a secure fixing point. High quality shims provide additional fixing strength and help with the alignment of the installation. Suits a wide range of applications such as installing dry-wall, cladding, glazing and fixing door frames.

Size (mm)	Colour
55 x 43 x 1	Yellow
55 x 43 x 2	Green
55 x 43 x 3	Blue
55 x 43 x 4	Red
55 x 43 x 5	Brown
55 x 43 x 6	Black
55 x 43 x 10	



Assorted Packs Available



## CABLE TIES & CABLE TIE BASES

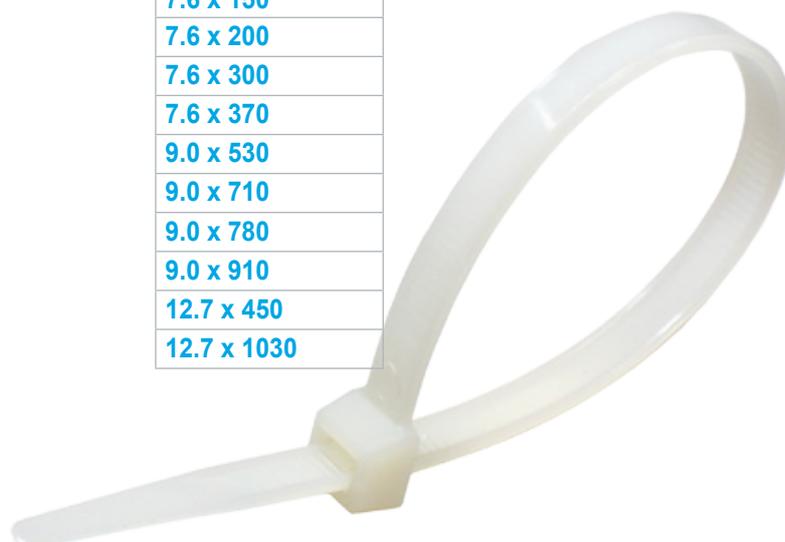
The most common cable tie consists of a flexible nylon tape with an integrated gear rack, and on one end a ratchet within a small open case. Once the pointed tip of the cable tie has been pulled through the case and past the ratchet, it is prevented from being pulled back.



Size (mm)
<b>Black</b>
2.5 x 100
2.5 x 140
2.5 x 160
2.5 x 200
3.6 x 140
3.6 x 150
3.6 x 200
3.6 x 300
3.6 x 370
4.8 x 160
4.8 x 200
4.8 x 300
4.8 x 368
4.8 x 370
4.8 x 430
4.8 x 530
7.5 x 450
7.6 x 200
7.6 x 240
7.6 x 300
7.6 x 370
7.6 x 380
7.6 x 530
8 x 450
9 x 1070
9 x 430
9 x 530
9 x 710
9 x 780
9 x 910
12.7 x 580
12.7 x 1030

Size (mm)
<b>Natural</b>
2.5 x 100
2.5 x 140
2.5 x 200
3.6 x 140
3.6 x 200
3.6 x 250
3.6 x 300
3.6 x 370
4.8 x 160
4.8 x 200
4.8 x 300
4.8 x 370
4.8 x 430
4.8 x 530
7.6 x 150
7.6 x 200
7.6 x 300
7.6 x 370
9.0 x 530
9.0 x 710
9.0 x 780
9.0 x 910
12.7 x 450
12.7 x 1030

Size (mm)
<b>Cable Tie Bases</b>
<b>Natural</b>
19 x 19
20 x 20
<b>Black</b>
20 x 20
28 x 28
<b>White</b>
28 x 28



**Also available in blue, red, green, silver, orange, yellow, pink, metal & stainless steel**

# NUT COVERS

## NUT COVERS

Hexagon nut and screw head covers have a circular external form and a hexagonal internal form and is suitable for hexagon head screws and nuts.

Material: Form B = Low Density Polyethylene (RoHS Directive 2011/65/EU compliant)

This form of material protects and gives a neat finish to exposed metal hexagon nuts and screw heads and are quick and simple to install.



Size mm	Available Colours	Size mm	Available Colours	Size mm	Available Colours
4	Black	10	Black, White	20	Black
5	Black, White	12	Black, White		
6	Black, White	14	Black		
8	Black, White	16	Black		



RETURN TO  
CONTENTS PAGE



## FULLY THREADED SET BOLTS 8.8 GRADE - DIN 933

Thread Diameter (mm)	Pitch Course (mm)	Head Depth (mm)	Across Flats (AF) (mm)	Ultimate Tensile Strength (N/mm <sup>2</sup> )	Ultimate Load (kN)	Ultimate Load (Kgf)	Shear - 60% of Ultimate (kN)
M3	0.5	1.7 approx	5.45 approx				
M4	0.7	2.8	7				
M5	0.8	3.5	8	800			
M6	1.0	4	10	800	16.1	1641	9.66
M8	1.25	5.3	13	800	29.2	2986	17.52
M10	1.5	6.4	17	800	46.4	4730	27.84
M12	1.75	7.5	19	800	67.4	6874	40.44
M16	2	10	24	800	125	12780	75
M20	2.5	12.5	30	830	203	19969	121.8
M24	3.0	15	36				
M27	3	15	41				
M30	3.5	18.7	46				
M33	3.5	21	50				
M36	4	22.5	55				

### Ultimate tensile strength

Can be defined as the maximum amount of tensile stress that a component can withstand before it fractures.

Yield can be defined as the maximum amount of tensile stress that a component can withstand before it begins to exhibit permanent deformation on release of the stress applied.

Materials/finishes available: zinc, stainless steel, galvanized, self colour, zinc yellow, nylon, aluminium, brass, titanium & ferrous.

We also stock other grades & pitches, e.g. 10.9 grade & metric fine.

Other threads available: **UNF, UNC, BSF, BSW & BA**



[RETURN TO CONTENTS PAGE](#)

ZINC



HEX



8.8

# SET BOLTS - FULLY THREADED ZINC

## ZINC

A Fully Threaded Bolt Used in a Wide Variety of Applications

- High tensile • Hex head
- Zinc plated (CR3) and passivated (3-5 microns)
- Grade 8.8.
- DIN 933 Specification.



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| M5 X 8    | M6 X 50   | M8 X 100  | M12 X 30  | M20 X 30  |
| M5 X 10   | M6 X 55   | M8 X 110  | M12 X 35  | M20 X 35  |
| M5 X 12   | M6 X 60   | M8 X 120  | M12 X 40  | M20 X 40  |
| M5 X 16   | M6 X 65   | M8 X 130  | M12 X 45  | M20 X 45  |
| M5 X 20   | M6 X 70   | M8 X 150  | M12 X 50  | M20 X 50  |
| M5 X 25   | M6 X 75   | M10 X 12  | M12 X 60  | M20 X 55  |
| M5 X 30   | M6 X 80   | M10 X 16  | M12 X 65  | M20 X 60  |
| M5 X 35   | M6 X 90   | M10 X 20  | M12 X 70  | M20 X 65  |
| M5 X 40   | M6 X 100  | M10 X 25  | M12 X 75  | M20 X 70  |
| M5 X 45   | M8 X 10   | M10 X 30  | M12 X 80  | M20 X 75  |
| M5 X 50   | M8 X 12   | M10 X 35  | M16 X 25  | M20 X 80  |
| M5 X 55   | M8 X 14   | M10 X 40  | M16 X 30  | M20 X 90  |
| M5 X 60   | M8 X 16   | M10 X 45  | M16 X 35  | M20 X 100 |
| M5 X 65   | M8 X 20   | M10 X 50  | M16 X 40  | M20 X 110 |
| M5 X 70   | M8 X 25   | M10 X 60  | M16 X 45  | M20 X 120 |
| M5 X 80   | M8 X 30   | M10 X 65  | M16 X 50  | M20 X 130 |
| M5 X 100  | M8 X 35   | M10 X 70  | M16 X 55  |           |
| M6 X 8    | M8 X 40   | M10 X 75  | M16 X 60  |           |
| M6 X 10   | M8 X 45   | M10 X 80  | M16 X 65  |           |
| M6 X 12   | M8 X 50   | M10 X 90  | M16 X 70  |           |
| M6 X 16   | M8 X 55   | M10 X 100 | M16 X 75  |           |
| M6 X 20   | M8 X 60   | M10 X 110 | M16 X 80  |           |
| M6 X 25   | M8 X 65   | M10 X 120 | M16 X 90  |           |
| M6 X 30   | M8 X 70   | M10 X 130 | M16 X 100 |           |
| M6 X 35   | M8 X 75   | M12 X 16  | M16 X 110 |           |
| M6 X 40   | M8 X 80   | M12 X 20  | M16 X 120 |           |
| M6 X 45   | M8 X 90   | M12 X 25  | M16 X 130 |           |



*More sizes available. Also available in fine pitch, self colour, zinc yellow & UNF, UNC, BSW, BSF & BA*



RETURN TO CONTENTS PAGE

GALVANISED



## SET BOLTS - FULLY THREADED GALVANISED

### GALVANISED

Fully Threaded Bolts Used in a Wide Variety of Applications

- High tensile • Hex head
- Grade 8.8
- DIN 933 Specification



Hot dip galvanizing offers coverage both externally & internally within hollow sections, it self-repairs when damaged, sacrifices itself to protect the base metal, is environmentally sustainable, has good impact & abrasion resistance & a maintenance-free life of 50 years or more.

Galvanized steel is widely used in applications where corrosion resistance is needed and can be identified by the crystallised pattern on the surface.

Also Available in Pre-Assembled Bags CE Marked



**Other sizes available.  
Also available in fine pitch,  
self colour, stainless, zinc,  
zinc yellow & other finishes.**



RETURN TO  
CONTENTS PAGE



# SET BOLTS - FULLY THREADED STAINLESS STEEL

## A2 STAINLESS STEEL

A Fully Threaded Bolt Used in a Wide Variety of Applications

- Hex head
- Sizes listed here are for A2 (304) stainless steel. A4 (316) also available
- DIN 933 Specification



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| M5 x 6    | M6 x 55   | M8 x 130  | M12 x 45  | M16 x 120 |
| M5 x 8    | M6 x 60   | M10 x 12  | M12 x 50  | M16 x 130 |
| M5 x 10   | M6 x 65   | M10 x 16  | M12 x 55  | M20 x 30  |
| M5 x 12   | M6 x 70   | M10 x 20  | M12 x 60  | M20 x 40  |
| M5 x 16   | M6 x 80   | M10 x 25  | M12 x 65  | M20 x 45  |
| M5 x 20   | M6 x 90   | M10 x 30  | M12 x 70  | M20 x 50  |
| M5 x 25   | M6 x 100  | M10 x 35  | M12 x 75  | M20 x 55  |
| M5 x 30   | M6 x 130  | M10 x 40  | M12 x 80  | M20 x 60  |
| M5 x 35   | M6 x 150  | M10 x 45  | M12 x 85  | M20 x 70  |
| M5 x 40   | M8 x 10   | M10 x 50  | M12 x 90  | M20 x 75  |
| M5 x 50   | M8 x 16   | M10 x 55  | M12 x 100 | M20 x 80  |
| M5 x 60   | M8 x 20   | M10 x 60  | M12 x 110 | M20 x 90  |
| M5 x 65   | M8 x 25   | M10 x 65  | M12 x 120 | M20 x 100 |
| M5 x 70   | M8 x 30   | M10 x 70  | M12 x 130 | M20 x 120 |
| M5 x 75   | M8 x 35   | M10 x 75  | M16 x 25  | M24 x 50  |
| M5 x 80   | M8 x 40   | M10 x 80  | M16 x 30  | M24 x 55  |
| M6 x 8    | M8 x 45   | M10 x 90  | M16 x 35  | M24 x 60  |
| M6 x 10   | M8 x 50   | M10 x 100 | M16 x 40  | M24 x 70  |
| M6 x 12   | M8 x 55   | M10 x 110 | M16 x 50  | M24 x 75  |
| M6 x 16   | M8 x 60   | M10 x 120 | M16 x 60  | M24 x 80  |
| M6 x 18   | M8 x 65   | M10 x 130 | M16 x 65  | M24 x 90  |
| M6 x 20   | M8 x 70   | M12 x 16  | M16 x 70  | M24 x 100 |
| M6 x 25   | M8 x 75   | M12 x 20  | M16 x 75  | M24 x 110 |
| M6 x 30   | M8 x 80   | M12 x 25  | M16 x 80  | M24 x 120 |
| M6 x 35   | M8 x 90   | M12 x 30  | M16 x 90  |           |
| M6 x 40   | M8 x 100  | M12 x 35  | M16 x 100 |           |
| M6 x 50   | M8 x 120  | M12 x 40  | M16 x 110 |           |



**Other sizes available.  
Also available in A4  
stainless & UNF, UNC, BSW, BSF &  
BA.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



**RETURN TO  
CONTENTS PAGE**



## PART THREADED BOLTS - 8.8 GRADE DIN931

Thread Diameter (mm)	Pitch Course (mm)	Head Depth (mm)	Across Flats (AF) (mm)	Thread Length (mm)
M4	0.7	2.8	7.0	14
M5	0.8	3.5	8.0	16
M6	1	4	10	18
M8	1.25	5.3	13	22
M10	1.5	6.4	17	26
M12	1.75	7.5	19	30
M14	2	8.8	22	34
M16	2	10	24	38
M18	2.5	11.5	27	42
M20	2.5	12.5	30	46
M24	3	15	36	54
M27	3	15	41	54
M30	3.5	18.7	46	66
M33	3.5	21	50	72

Thread lengths listed are a guide value for bolts under 125mm. For bolts longer than 125mm and shorter than 200mm add additional 6mm of thread. For bolts 200mm and longer add 19mm to the lengths listed.

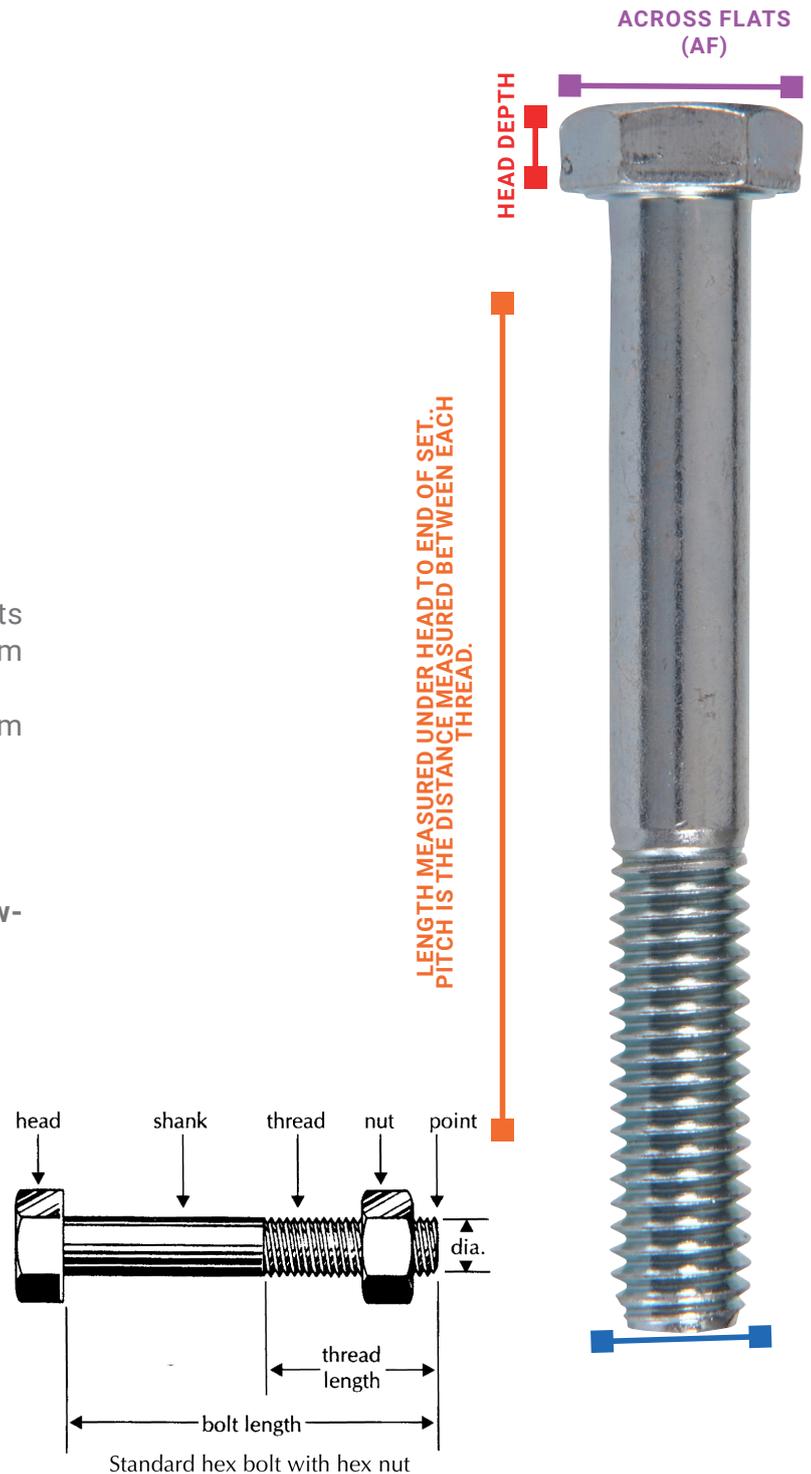
### Materials/finishes available:

self colour, stainless steel, zinc, zinc yellow-nylon, aluminium, brass, titanium & ferrous.

We also do other grades & pitches, e.g. 10.9 grade & metric fine.

### Other threads available:

**UNF, UNC, BSF, BSW & BA**



ZINC



# BOLTS PART THREADED - ZINC

## ZINC

### A Part Threaded Bolt Used in a Wide Variety of Applications

- High tensile • Hex head
- Zinc plated (CR3) and passivated (3-5 microns)
- Grade 8.8
- DIN 931 Specification



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| M5 X 25   | M6 X 100  | M10 X 45  | M12 X 100 | M16 X 100 |
| M5 X 30   | M6 X 110  | M10 X 50  | M12 X 110 | M16 X 110 |
| M5 X 35   | M6 X 120  | M10 X 55  | M12 X 120 | M16 X 120 |
| M5 X 40   | M8 X 30   | M10 X 60  | M12 X 130 | M16 X 130 |
| M5 X 45   | M8 X 35   | M10 X 65  | M14 X 50  | M20 X 55  |
| M5 X 50   | M8 X 40   | M10 X 70  | M14 X 60  | M20 X 60  |
| M5 X 55   | M8 X 45   | M10 X 75  | M14 X 65  | M20 X 65  |
| M5 X 60   | M8 X 50   | M10 X 80  | M14 X 70  | M20 X 70  |
| M5 X 65   | M8 X 55   | M10 X 85  | M14 X 75  | M20 X 75  |
| M5 X 70   | M8 X 60   | M10 X 90  | M14 X 80  | M20 X 80  |
| M5 X 80   | M8 X 65   | M10 X 100 | M14 X 90  | M20 X 90  |
| M6 X 25   | M8 X 70   | M10 X 110 | M14 X 100 | M20 X 100 |
| M6 X 30   | M8 X 75   | M10 X 120 | M14 X 110 | M20 X 110 |
| M6 X 40   | M8 X 80   | M10 X 130 | M14 X 120 | M20 X 120 |
| M6 X 45   | M8 X 85   | M12 X 40  | M14 X 130 | M20 X 130 |
| M6 X 50   | M8 X 90   | M12 X 45  | M16 X 45  | M24 X 65  |
| M6 X 55   | M8 X 95   | M12 X 50  | M16 X 50  | M24 X 70  |
| M6 X 60   | M8 X 100  | M12 X 55  | M16 X 55  | M24 X 80  |
| M6 X 65   | M8 X 110  | M12 X 60  | M16 X 60  | M24 X 90  |
| M6 X 70   | M8 X 120  | M12 X 65  | M16 X 65  | M24 X 100 |
| M6 X 75   | M8 X 130  | M12 X 70  | M16 X 70  | M24 X 110 |
| M6 X 80   | M10 X 30  | M12 X 75  | M16 X 75  | M24 X 120 |
| M6 X 85   | M10 X 35  | M12 X 80  | M16 X 80  | M24 X 130 |
| M6 X 90   | M10 X 40  | M12 X 90  | M16 X 90  |           |



**More sizes available.  
Also available in fine pitch, self  
colour, zinc yellow & UNF, UNC,  
BSW, BSF & BA?**



**RETURN TO  
CONTENTS PAGE**

GALVANISED



## BOLTS PART THREADED - GALVANISED

### GALVANISED

Part Threaded Bolts Used in a Wide Variety of Applications

• High tensile • Hex head • Grade 8.8

Hot dip galvanizing offers coverage both externally and internally within hollow sections, it self-repairs when damaged, sacrifices itself to protect the base metal, is environmentally sustainable, has good impact and abrasion-resistance and a maintenance-free life of 50 years or more.



Size (mm)	Size (mm)	Size (mm)
M6 x 65	M12 x 45	M16 x 100
M8 x 50	M12 x 50	M16 x 110
M8 x 60	M12 x 55	M16 x 120
M8 x 65	M12 x 60	M16 x 130
M8 x 80	M12 x 65	M16 x 140
M8 x 90	M12 x 70	M16 x 150
M8 x 100	M12 x 75	M20 x 65
M8 x 120	M12 x 80	M20 x 70
M10 x 40	M12 x 90	M20 x 80
M10 x 50	M12 x 100	M20 x 90
M10 x 60	M12 x 110	M20 x 100
M10 x 65	M12 x 120	M20 x 110
M10 x 70	M12 x 130	M20 x 120
M10 x 75	M12 x 140	M20 x 130
M10 x 80	M12 x 150	M20 x 140
M10 x 90	M14 x 120	M20 x 150
M10 x 100	M16 x 45	M24 x 80
M10 x 110	M16 x 50	M24 x 90
M10 x 120	M16 x 55	M24 x 120
M10 x 130	M16 x 60	M24 x 130
M10 x 140	M16 x 65	M24 x 140
M10 x 150	M16 x 70	M24 x 150
M12 x 30	M16 x 75	M27 x 100
M12 x 35	M16 x 80	M27 x 140
M12 x 40	M16 x 90	M30 x 80



**Other sizes available. Also available in fine pitch, self colour & UNF, UNC, BSW, BSF & BA**

STAINLESS STEEL



# BOLTS - STAINLESS STEEL

## A2 - 304 STAINLESS STEEL

A Part Threaded Bolt Used in a Wide Variety of Applications

• Hex head • DIN 931 Specification



Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 30	M8 x 55	M10 x 150	M16 x 80
M5 x 35	M8 x 60	M12 x 40	M16 x 90
M5 x 40	M8 x 65	M12 x 45	M16 x 100
M5 x 50	M8 x 70	M12 x 50	M16 x 110
M5 x 55	M8 x 75	M12 x 55	M16 x 120
M5 x 60	M8 x 80	M12 x 60	M16 x 130
M5 x 65	M8 x 90	M12 x 65	M16 x 140
M5 x 70	M8 x 100	M12 x 70	M16 x 150
M5 x 80	M8 x 110	M12 x 75	M20 x 60
M5 x 100	M8 x 120	M12 x 80	M20 x 65
M6 x 25	M8 x 130	M12 x 85	M20 x 70
M6 x 30	M8 x 140	M12 x 90	M20 x 75
M6 x 35	M8 x 150	M12 x 100	M20 x 80
M6 x 40	M10 x 35	M12 x 110	M20 x 90
M6 x 45	M10 x 40	M12 x 120	M20 x 100
M6 x 50	M10 x 45	M12 x 130	M20 x 110
M6 x 55	M10 x 50	M12 x 140	M20 x 120
M6 x 60	M10 x 55	M12 x 150	M20 x 130
M6 x 65	M10 x 60	M14 x 50	M20 x 140
M6 x 70	M10 x 65	M14 x 60	M20 x 150
M6 x 75	M10 x 70	M14 x 75	M24 x 75
M6 x 80	M10 x 75	M14 x 140	M24 x 80
M6 x 90	M10 x 80	M16 x 45	M24 x 90
M6 x 100	M10 x 90	M16 x 50	M24 x 100
M6 x 120	M10 x 100	M16 x 55	M24 x 110
M8 x 35	M10 x 110	M16 x 60	M24 x 120
M8 x 40	M10 x 120	M16 x 65	M24 x 150
M8 x 45	M10 x 130	M16 x 70	
M8 x 50	M10 x 140	M16 x 75	



**More sizes available.  
Also available in fine  
pitch &  
A4 stainless  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



ZINC

GALVANISED

STAINLESS STEEL

## STUDDING / THREADED BARS

### METRIC

Studding is commonly used with drop in anchors for suspending cable trays from ceilings or can be cut to a required length and used with chemical resin.

### 1 METRE LENGTH

Size (mm)	Size (mm)	Size (mm)
Zinc	Galv	Stainless A2
M3	M6	M3
M4	M8	M4
M5	M10	M5
M6	M12	M6
M8	M16	M8
M10	M20	M10
M12	M24	M12
M16		M16
M20		M20
M24		M24



### 3 METRE LENGTH

Size (mm)	Size (mm)	Size (mm)
Zinc	Galv	Stainless A2
M5	M10	M3
M6	M12	M4
M8	M14	M5
M10	M16	M6
M12	M20	M8
M16	M24	M10
M20		M12
M24		M16
		M20
		M24

*Also available in A4 stainless, self colour, brass, nylon, aluminium, high tensile & left handed threads. Other lengths also available*



RETURN TO CONTENTS PAGE

# TECHNICAL DATA

## NUTS



**FULL NUTS  
DIN 934**

Thread Diameter (mm)	Pitch (mm)	Depth of Nut (mm)	Across Flats (AF) (mm)
M3	0.5	2.4	5.5
M4	0.7	3.2	7
M5	0.8	4	8
M6	1.0	5	10
M8	1.25	6.5	13
M10	1.5	8	17
M12	1.75	10	19
M14	2	11	22
M16	2	13	24
M18	2.5	15	27
M20	2.5	16	30
M22	2.5	18	32
M24	3	19	36
M27`	3	22	41
M30	3.5	24	46
M33	3.5	26	50



**LOCK NUTS  
DIN 439**

Thread Diameter (mm)	Pitch (mm)	Depth of Nut (mm)	Across Flats (AF) (mm)
M3	0.5	1.8	5.5
M4	0.7	2.2	7
M5	0.8	2.7	8
M6	1	3.2	10
M8	1.25	4	13
M10	1.5	5	17
M12	1.75	6	19
M14	2	7	22
M16	2	8	24
M18	2.5	9	27
M20	2.5	10	30
M22	2.5	11	32
M24	3	12	36
M27`	3	13.5	41
M30	3.5	15	46
M33	3.5	16.5	50



**NYLOC T TYPE DIN 985**

Thread Diameter (mm)	Pitch (mm)	Depth of Nut (mm)	Across Flats (AF) (mm)
M3	0.5	4	5.5
M4	0.7	5	7
M5	0.8	5	8
M6	1.0	6	10
M8	1.25	8	13
M10	1.5	10	17
M12	1.75	12	19
M14	2	14	22
M16	2	16	24
M18	2.5	18.5	27
M20	2.5	20	30
M22	2.5	22	32
M24	3	24	36
M27	3	27	41
M30	3.5	30	46
M33	3.5	33	50



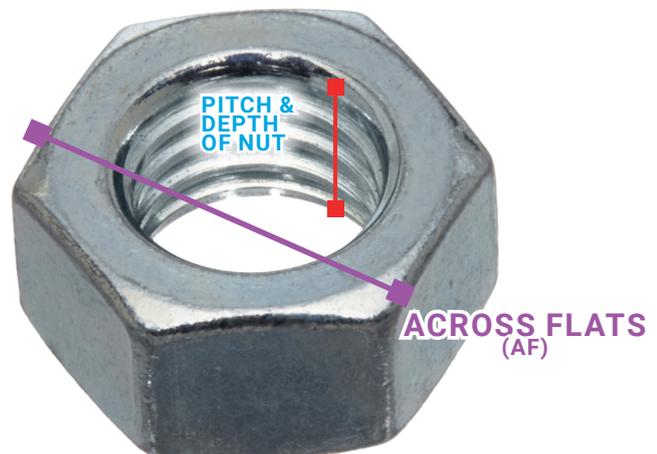
**NYLOC P TYPE  
DIN982**

Materials/finishes available:  
self colour, zinc, zinc yellow, Stainless Steel, nylon,  
aluminium, brass, titanium & ferrous.

We also do other grades & pitches  
e.g. grade 10 & metric fine.

Other threads available:  
**UNF, UNC, BSF, BSW & BA**

Thread Diameter (mm)	Pitch (mm)	Depth of Nut (mm)	Across Flats (AF) (mm)
M5	0.8	6.3	7
M6	1.0	8	8
M8	1.25	9.5	10
M10	1.5	11.5	13
M12	1.75	14	17
M14	2	16	19
M16	2	18	22
M18	2.5	20	24
M20	2.5	22	27
M22	2.5	25	30
M24	3.0	28	36



**RETURN TO  
CONTENTS PAGE**

Want One Nut? You Can Have  
One Nut. Prices Will Vary

ZINC

## NUTS - ZINC

### ZINC

Hex. P type nylocs also available. (except wing nuts)



FULL



LOCK



NYLOC T



DOME



WASHER  
FACED



WING



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2        | M3        | M4        | M3        | M3        | M3        |
| M2.5      | M4        | M5        | M3.5      | M4        | M4        |
| M3        | M5        | M6        | M4        | M5        | M5        |
| M3.5      | M6        | M8        | M4 TALL   | M6        | M6        |
| M4        | M8        | M10       | M5        | M8        | M8        |
| M5        | M10       | M12       | M6        | M10       | M10       |
| M6        | M12       | M14       | M6 TALL   | M12       | M12       |
| M8        | M14       | M16       | M8        | M16       | M16       |
| M10       | M16       | M20       | M8 TALL   |           | M20       |
| M12       | M20       | M24       | M10       |           |           |
| M14       | M24       | M33       | M12       |           |           |
| M16       | M27       |           | M16       |           |           |
| M18       | M30       |           | M20       |           |           |
| M20       | M33       |           | M24       |           |           |
| M22       |           |           |           |           |           |
| M24       |           |           |           |           |           |
| M27       |           |           |           |           |           |
| M30       |           |           |           |           |           |
| M33       |           |           |           |           |           |

Also in UNF, UNC, BSW,  
BSF & BA?

*Also available in fine pitch,  
self colour, zinc yellow, brass,  
stainless, galvanised & other  
grades & finishes.*



RETURN TO  
CONTENTS PAGE

Want One Nut? You Can Have  
One Nut. Prices Will Vary

**GALVANISED**

# NUTS - GALVANISED

**GALVANISED**

Hex • Grade 8



**FULL**



**LOCK**



**NYLOC P**



**NYLOC T**



**DOME**



Size(mm)	Size(mm)	Size(mm)	Size(mm)	Size (mm)
M6	M12	M8	M10	M10
M8	M16	M10	M12	M12
M10	M24	M16	M16	M16
M12		M20		M20
M14		M24		M24
M16				
M20				
M24				
M27				
M30				

Order Online at  
[www.allfix.co.uk](http://www.allfix.co.uk)



**RETURN TO  
CONTENTS PAGE**

Want One Nut? You Can Have  
One Nut. Prices Will Vary

**STAINLESS STEEL**

## NUTS - A2 STAINLESS STEEL

### A2 STAINLESS STEEL

• Hex (except wing nuts)



FULL



LOCK



NYLOC T



DOME



WASHER  
FACED



WING



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2        | M2        | M3        | M3        | M4        | M3        |
| M2.5      | M2.5      | M4        | M4        | M5        | M4        |
| M3        | M3        | M5        | M5        | M6        | M5        |
| M3.5      | M4        | M6        | M6        | M8        | M6        |
| M4        | M5        | M8        | M8        | M10       | M8        |
| M5        | M6        | M10       | M10       | M12       | M10       |
| M6        | M8        | M12       | M12       |           | M12       |
| M8        | M10       | M14       | M14       |           | M16       |
| M10       | M12       | M16       | M16       |           |           |
| M12       | M16       | M18       | M20       |           |           |
| M14       | M18       | M20       | M24       |           |           |
| M16       | M20       | M22       |           |           |           |
| M18       | M22       | M24       |           |           |           |
| M20       | M24       | M27       |           |           |           |
| M22       | M27       | M30       |           |           |           |
| M24       | M30       |           |           |           |           |
| M27       |           |           |           |           |           |
| M30       |           |           |           |           |           |
| M33       |           |           |           |           |           |

**Also available in fine pitch, self colour, zinc yellow, zinc, brass, galvanised, other grades & finishes & UNF, UNC, BSW, BSF & BA.**  
**FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**



RETURN TO  
CONTENTS PAGE

# TECHNICAL DATA

## WASHERS - TECHNICAL DATA



**FORM A DIN 125A**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M3	3.2	7	0.5
M3.5	3.7	8	0.5
M4	4.3	9	0.8
M5	5.3	10	1.0
M6	6.4	12	1.6
M8	8.4	16	1.6
M10	10.5	20	2
M12	13	24	2.5
M14	15	28	2.5
M16	17	30	3
M18	19	34	3
M20	21	37	3
M22	23	39	3
M24`	25	44	4
M27	28	50	4
M30	31	56	4



**FORM B DIN125**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M5	5.3	10	0.8
M6	6.4	12.5	0.8
M8	8.4	17	1
M10	10.5	21	1.25
M12	13	24	1.25
M14	15	28	1.6
M16	17	30	2
M18	19	34	2
M20	21	37	2
M22	23	39	2
M24	25	44	2.5
M27	28	50	2.5
M30	31	56	2.5
M33`	34	60	3



**FORM C DIN125**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M4	4.2	10	0.8
M5	5.3	12.5	1
M6	6.4	14	1.6
M8	8.4	21	1.6
M10	10.5	24	2
M12	13	28	2.5
M14	15	30	2.5
M16	17	34	3
M18	19	37	3
M20	21	39	3
M24	25	50	4



**SINGLE COIL SQUARE SECTION SPRING DIN 7980**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M3	3.1	5.6	1
M4	4.1	7	1.2
M5	5.1	8.8	1.6
M6	6.1	9.9	1.6
M8	8.1	12.7	2
M10	10.2	16	2.5
M12	12.2	18	2.5
M16	16.2	27.4	3.5
M20	20.2	33.6	4



**SINGLE COIL RECTANGULAR SECTION SPRING DIN127B**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M3	3.1	6.2	0.8
M4	4.1	7.6	0.9
M5	5.1	9.2	1.2
M6	6.1	11.8	1.6
M8	8.1	14.8	2
M10	18.1	16	2.2
M12	12.2	21.1	2.5
M14	14.2	24.1	3
M16	16.2	27.4	3.5
M20	20.2	33.6	4
M22	22.5	35.9	4
M24	24.5	40	5
M27	27.5	43	5
M30`	30.5	48.2	6
M33	33.5	55.2	6



**PENNY WASHERS DIN9021**

Bolt Size (mm)	Inside Diameter (mm)	Outside Diameter (mm)	Thickness (mm)
M3	3.1	5.6	1
M4	4.1	7	1.2
M5	5.1	8.8	1.6
M6	6.1	9.9	1.6
M8	8.1	12.7	2
M10	10.2	16	2.5
M12	12.2	18	2.5
M16	16.2	27.4	3.5
M20	20.2	33.6	4

Materials/finishes available:  
self colour, zinc, zinc yellow,  
nylon, A2 & A4 stainless,  
aluminium, brass, titanium &  
ferrous.



**RETURN TO CONTENTS PAGE**

Want One Washer? You Can Have  
One Washer. Prices Will Vary

STAINLESS STEEL

## WASHERS METRIC - STAINLESS STEEL



FORM A

Size (mm)
M3
M3.5
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M22
M24
M27
M30
M33



FORM B

Size (mm)
M5
M6
M8
M10
M12
M14
M16
M18
M20
M22
M24
M27
M30
M33



FORM C

Size (mm)
M4
M5
M6
M8
M10
M12
M16
M20
M22
M24
M30



FORM G

Size (mm)
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M24



SQUARE  
SPRING COIL

Size (mm)
M3
M4
M5
M6
M8
M10
M12
M14
M16
M20
M24
M27
M30
M33



RECT  
SECTION  
S/COIL

Size (mm)	Size (mm)
M3	M5 x 20
M4	M5 x 25
M5	M6 x 20
M6	M6 x 25
M8	M6 x 30
M10	M6 x 40
M12	M6 x 50
M14	M8 x 25
M16	M8 x 30
M20	M8 x 40
M24	M8 x 50
	M10 x 25
	M10 x 30
	M10 x 35
	M10 x 40
	12 x 35, 12 x 40



PENNY / MUDGUARD



INTERNAL SHAKE

Size (mm)
M3
M3.5
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M22
M24



EXTERNAL SHAKE

Size (mm)
M3
M4
M5
M6
M8
M10
M12
M14



**Other sizes available. Also available in self colour, zinc, zinc yellow & A4 stainless. FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**



Want One Washer? You Can Have  
One Washer. Prices Will Vary

ZINC

# WASHERS METRIC - ZINC PLATED



FORM A

Size (mm)
M3
M3.5
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M22
M24
M27
M30
M33



FORM B

Size (mm)
M5
M6
M8
M10
M12
M14
M16
M18
M20
M22
M24
M27
M30
M33



FORM C

Size (mm)
M4
M5
M6
M8
M10
M12
M14
M16
M20
M22
M24
M30



FORM G

Size (mm)
M5
M6
M8
M10
M12
M14
M16
M20
M24



SQUARE SECTION S/COIL

Size (mm)
M3
M4
M5
M6
M8
M10
M12
M14
M16
M20
M22
M24
M27
M30
M33



RECTANGULAR SPRING COIL

Size (mm)
M3
M4
M5
M6
M8
M10
M12
M14
M16
M20
M24



PENNY WASHER

Size (mm)
M5 x 20
M5 x 25
M5 X 32
M5 X 38
M6 x 20
M6 x 25
M6 x 30
M6 x 38
M6 x 50
M8 x 25
M8 x 30
M8 x 38



PENNY WASHER

Size (mm)
M8 x 50
M10 x 25
M10 x 30
M10 x 38
M10 x 50
M10 x 75
M12 x 38
M12 x 50



INTERNAL & EXTERNAL SHAKE PROOF

Size (mm)
M3
M3.5
M4
M5
M6
M8
M10
M12
M16
M20
M22
M24



SQUARE PLATE

Size (mm)
M8 X 50
M10 X 50
M12 X 50
M12 X 75
M16 X 50
M20 X 50



Other sizes available. Also available in self colour, zinc yellow & A4 stainless

Priced per 1000 when bought in 1000 or more. Smaller quantities available. Please ask for more info.



Want One Washer? You Can Have  
One Washer. Prices Will Vary

**GALVANISED**

## WASHERS METRIC - GALVANISED



FORM A



SQUARE  
SECTION  
S/COIL



PENNY  
WASHER



FORM E



FORM F

Size (mm)
M6
M8
M10
M12
M14
M16
M20
M22
M24
M27
M30

Size (mm)
M8
M10
M12
M14
M16
M20
M22
M24
M30

Size (mm)
M6 x 25
M8 x 25

Size (mm)
M6
M8
M10
M12
M14
M16
M20
M22
M24
M27
M30

Size (mm)
M6
M8
M10
M12
M16



FORM G



SQUARE  
PLATE



SQUARE  
PLATE

Size (mm)
M6
M8
M10
M12
M16
M20
M24
M30

Size (mm)
M8 x 40
M8 x 50
M10 x 50
M10 x 100
M12 x 50
M12 x 75
M16 x 50
M16 x 60
M16 x 75
M16 x 100
M20 x 50
M20 x 65
M20 x 75

Size (mm)
M20 x 100
M24 x 80
M24 x 100
M24 x 200



Nylon and Rubber  
washers available on  
request

*Other sizes available. Also  
available in self colour,  
zinc yellow, zinc & stainless*



RETURN TO  
CONTENTS PAGE

# TECHNICAL DATA

## SOCKET CAPS - TECHNICAL DATA

### 12.9 GRADE

Thread Diameter (mm)	Pitch (mm)	Thread Length (mm)	Head Diameter (mm)	Head Depth (mm)	Socket Wrench Size (mm)
M3	0.5	18	5.5	3	2.5
M4	0.7	20	7	4	3
M5	0.8	22	8.5	5	4
M6	1	24	10	6	5
M8	1.25	28	13	8	6
M10	1.5	32	16	10	8
M12	1.75	36	18	12	10
M14	2	40	21	14	12
M16	2	44	24	16	14
M18	2.5	48	27	18	14
M20	2.5	52	30	20	17
M22	2.5	56	33	22	17
M24	3	60	36	24	19
M27	3	66	40	27	19
M30	3.5	72	45	30	22
M33	3.5	78	50	33	24

The most important reasons for the increasing use of socket head cap screws in industry are safety, reliability & economy. All three reasons are directly traceable to the superior performance of socket screws vs. other fasteners, and that is due to their superior strength and advanced design.

Materials/finishes available:

self colour, stainless steel, zinc, zinc yellow, nylon, aluminium, brass, titanium & ferrous.

We also do other grades & pitches, e.g. Grade 1-& metric fine.

Other threads available: **UNF, UNC, BSF, BSW & BA**

THREADED TO THE  
HEAD AVAILABLE ON  
REQUEST



RETURN TO  
CONTENTS PAGE

SELF COLOUR

## SOCKET CAPS - STEEL SELF COLOUR

### SELF COLOUR

Deep, accurate socket for high torque wrenching. • High tensile • Grade 12.9 • DIN 912

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 6	M6 x 60	M10 x 35	M14 x 60
M5 x 8	M6 x 65	M10 x 40	M14 x 70
M5 x 10	M6 x 70	M10 x 45	M14 x 75
M5 x 12	M6 x 75	M10 x 50	M14 x 80
M5 x 14	M6 x 80	M10 x 55	M14 x 90
M5 x 15	M6 x 90	M10 x 60	M14 x 100
M5 x 16	M6 x 100	M10 x 65	M14 x 110
M5 x 20	M6 x 110	M10 x 70	M14 x 120
M5 x 25	M6 x 120	M10 x 75	M14 x 130
M5 x 30	M6 x 130	M10 x 80	M16 x 20
M5 x 35	M8 x 10	M10 x 85	M16 x 25
M5 x 40	M8 x 12	M10 x 90	M16 x 30
M5 x 45	M8 x 14	M10 x 100	M16 x 35
M5 x 50	M8 x 15	M10 x 110	M16 x 40
M5 x 55	M8 x 16	M10 x 120	M16 x 50
M5 x 60	M8 x 20	M10 x 130	M16 x 55
M5 x 65	M8 x 25	M12 x 16	M16 x 60
M5 x 70	M8 x 30	M12 x 20	M16 x 70
M5 x 75	M8 x 35	M12 x 25	M16 x 75
M5 x 80	M8 x 40	M12 x 30	M16 x 80
M5 x 90	M8 x 45	M12 x 35	M16 x 90
M5 x 100	M8 x 50	M12 x 40	M16 x 100
M5 x 110	M8 x 55	M12 x 45	M16 x 110
M5 x 120	M8 x 60	M12 x 50	M16 x 120
M5 x 130	M8 x 65	M12 x 55	M16 x 130
M6 x 6	M8 x 70	M12 x 60	M20 x 30
M6 x 8	M8 x 75	M12 x 65	M20 x 35
M6 x 10	M8 x 80	M12 x 70	M20 x 40
M6 x 12	M8 x 85	M12 x 75	M20 x 50
M6 x 14	M8 x 90	M12 x 80	M20 x 55
M6 x 16	M8 x 100	M12 x 100	M20 x 60
M6 x 20	M8 x 110	M12 x 110	M20 x 65
M6 x 22	M8 x 120	M12 x 120	M20 x 70
M6 x 25	M8 x 130	M12 x 130	M20 x 75
M6 x 30	M10 x 10	M14 x 25	M20 x 80
M6 x 35	M10 x 12	M14 x 30	M20 x 90
M6 x 40	M10 x 16	M14 x 35	M20 x 100
M6 x 45	M10 x 20	M14 x 40	M20 x 110
M6 x 50	M10 x 25	M14 x 45	M20 x 120
M6 x 55	M10 x 30	M14 x 50	M20 x 130



*Other sizes and finishes available including imperial, fine pitch & Zinc Yellow.*



RETURN TO CONTENTS PAGE

ZINC

# SOCKET CAPS - STEEL ZINC PLATED

## ZINC DE-EMBRITTLLED

Deep, accurate socket for high torque wrenching.

• High tensile • Grade 12.9 • DIN 912

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 6	M6 x 75	M10 x 50	M16 x 30
M5 x 8	M6 x 80	M10 x 55	M16 x 35
M5 x 10	M6 x 90	M10 x 60	M16 x 40
M5 x 12	M6 x 100	M10 x 65	M16 x 50
M5 x 16	M6 x 110	M10 x 70	M16 x 55
M5 x 20	M6 x 130	M10 x 75	M16 x 60
M5 x 25	M8 x 10	M10 x 80	M16 x 65
M5 x 30	M8 x 12	M10 x 90	M16 x 70
M5 x 35	M8 x 16	M10 x 100	M16 x 75
M5 x 40	M8 x 20	M10 x 110	M16 x 80
M5 x 45	M8 x 25	M10 x 120	M16 x 90
M5 x 50	M8 x 30	M10 x 130	M16 x 100
M5 x 55	M8 x 35	M12 x 20	M16 x 110
M5 x 60	M8 x 40	M12 x 25	M16 x 120
M5 x 65	M8 x 45	M12 x 30	M20 x 40
M5 x 70	M8 x 50	M12 x 35	M20 x 45
M5 x 80	M8 x 55	M12 x 40	M20 x 50
M5 x 90	M8 x 60	M12 x 45	M20 x 60
M5 x 100	M8 x 65	M12 x 50	M20 x 70
M5 x 110	M8 x 70	M12 x 55	M20 x 80
M6 x 6	M8 x 75	M12 x 60	M20 x 85
M6 x 8	M8 x 80	M12 x 65	M20 x 90
M6 x 10	M8 x 85	M12 x 70	M20 x 100
M6 x 12	M8 x 90	M12 x 75	M20 x 110
M6 x 14	M8 x 100	M12 x 80	M20 x 120
M6 x 16	M8 x 110	M12 x 90	M20 x 130
M6 x 20	M8 x 120	M12 x 100	M24 x 40
M6 x 25	M8 x 135	M12 x 110	M24 x 60
M6 x 30	M10 x 10	M12 x 120	M24 x 80
M6 x 35	M10 x 12	M14 x 35	M24 x 110
M6 x 40	M10 x 16	M14 x 40	
M6 x 45	M10 x 20	M14 x 45	
M6 x 50	M10 x 25	M14 x 50	
M6 x 55	M10 x 30	M14 x 60	
M6 x 60	M10 x 35	M14 x 70	
M6 x 65	M10 x 40	M14 x 80	
M6 x 70	M10 x 45	M16 x 25	



THREADED TO THE  
HEAD AVAILBALE ON  
REQUEST

*Other sizes and finishes  
available including  
imperial & fine pitch.*



RETURN TO  
CONTENTS PAGE

STAINLESS STEEL

## SOCKET CAPS - A2 STAINLESS STEEL

### A2 - 304 STAINLESS STEEL

Deep, accurate socket for high torque wrenching.

• DIN 912

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 6	M6 x 90	M10 x 60	M16 x 35
M5 x 8	M6 x 100	M10 x 65	M16 x 40
M5 x 10	M6 x 110	M10 x 70	M16 X 45
M5 x 12	M6 x 120	M10 x 75	M16 x 50
M5 x 16	M6 X 130	M10 x 80	M16 x 55
M5 x 20	M8 x 10	M10 x 90	M16 x 60
M5 x 25	M8 x 12	M10 x 100	M16 x 70
M5 x 30	M8 x 16	M10 x 110	M16 x 75
M5 x 35	M8 x 20	M10 x 120	M16 x 80
M5 x 40	M8 x 25	M10 x 130	M16 x 90
M5 x 45	M8 x 30	M12 x 20	M16 x 100
M5 x 50	M8 x 35	M12 x 25	M16 x 120
M5 x 55	M8 x 40	M12 x 30	M16 X 130
M5 x 60	M8 x 45	M12 x 35	M16 x 120
M5 x 65	M8 x 50	M12 x 40	M16 X 130
M5 x 70	M8 x 55	M12 x 45	M20 X 30
M5 x 75	M8 x 60	M12 x 50	M20 X 35
M5 x 80	M8 x 65	M12 x 55	M20 X 40
M5 x 90	M8 x 70	M12 x 60	M20 X 50
M6 x 8	M8 x 75	M12 x 65	M20 X 60
M6 x 10	M8 x 80	M12 x 70	M20 X 70
M6 x 12	M8 x 85	M12 x 75	M20 X 100
M6 x 14	M8 x 90	M12 x 80	M20 X 200
M6 x 16	M8 x 100	M12 x 90	
M6 x 20	M8 x 110	M12 x 100	
M6 x 25	M8 x 120	M12 x 110	
M6 x 30	M8 x 130	M12 x 120	
M6 x 35	M10 x 12	M12 X 130	
M6 x 40	M10 x 16	M14 x 25	
M6 x 45	M10 x 20	M14 x 30	
M6 x 50	M10 x 25	M14 x 40	
M6 x 55	M10 x 30	M14 x 45	
M6 x 60	M10 x 35	M14 x 50	
M6 x 65	M10 x 40	M14 x 60	
M6 x 70	M10 x 45	M14 x 100	
M6 x 75	M10 x 50	M16 x 25	
M6 x 80	M10 x 55	M16 X 30	



THREADED TO THE  
HEAD AVAILBALE  
ON REQUEST

**Other sizes and finishes  
available including  
imperial & fine pitch.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



RETURN TO  
CONTENTS PAGE

# TECHNICAL DATA

## SOCKET COUNTERSUNKS - TECHNICAL DATA

### 10.9 GRADE

Thread Diameter (mm)	Pitch (mm)	Thread Length (mm)	Head Diameter (mm)	Head Depth (mm)	Socket Wrench Size (mm)
M3	0.5	12mm	6mm	1.7mm	2mm
M4	0.7	14mm	8mm	2.3mm	2mm
M5	0.8	16mm	10mm	2.8mm	3mm
M6	1	18mm	12mm	3.3mm	4mm
M8	1.25	22mm	16mm	4.4mm	5mm
M10	1.5	26mm	20mm	5.5mm	6mm
M12	1.75	30mm	24mm	6.5mm	8mm
M14	2	34mm	28mm	7.0mm	10mm
M16	2	38mm	30mm	7.5mm	10mm
M20	2	46mm	36mm	8.5mm	12mm
M24	3	54mm	39mm	14mm	14mm

The most important reasons for the increasing use of socket head screws in industry are safety, reliability and economy. All three reasons are directly traceable to the superior performance of socket screws vs. other fasteners, and that is due to their superior strength and advanced design.

#### Materials/finishes available:

self colour, stainless steel, zinc, zinc yellow, nylon, aluminium, brass, titanium & ferrous.

We also do other grades & pitches, e.g. Grade 10 & metric fine.

Other threads available: **UNF, UNC, BSF, BSW & BA**



\* NOTE - The length is measured overall, including the head.



RETURN TO  
CONTENTS PAGE

SELF COLOUR

## SOCKET COUNTERSUNK - STEEL

### SELF COLOUR

• High tensile • Grade 10.9 • DIN 912

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 6	M8 x 10	M10 x 90	M16 x 70
M5 x 8	M8 x 12	M10 x 100	M16 x 75
M5 x 10	M8 x 16	M10 x 110	M16 x 80
M5 x 12	M8 x 20	M10 x 120	M16 x 90
M5 x 16	M8 x 25	M10 x 130	M16 x 100
M5 x 20	M8 x 30	M12 x 20	M20 x 40
M5 x 25	M8 x 35	M12 x 25	M20 x 45
M5 x 30	M8 x 40	M12 x 30	M20 x 50
M5 x 35	M8 x 45	M12 x 35	M20 x 60
M5 x 40	M8 x 50	M12 x 40	M20 x 70
M5 x 45	M8 x 60	M12 x 45	M20 x 75
M5 x 50	M8 x 60	M12 x 50	M20 x 80
M5 x 55	M8 x 60	M12 x 55	M20 x 100
M5 x 60	M8 x 70	M12 x 60	M20 x 110
M5 x 70	M8 x 75	M12 x 70	M20 x 120
M5 x 80	M8 x 80	M12 x 75	M20 x 130
M5 x 70	M8 x 90	M12 x 80	M24 x 110
M5 x 80	M8 x 100	M12 x 90	M24 x 120
M6 x 8	M8 x 110	M12 x 100	
M6 x 10	M8 x 90	M12 x 120	
M6 x 12	M8 x 100	M12 x 130	
M6 x 16	M8 x 110	M14 x 30	
M6 x 20	M10 x 12	M14 x 40	
M6 x 25	M10 x 16	M14 x 50	
M6 x 30	M10 x 20	M14 x 60	
M6 x 35	M10 x 25	M14 x 80	
M6 x 40	M10 x 30	M16 x 25	
M6 x 45	M10 x 35	M14 x 80	
M6 x 50	M10 x 40	M16 x 25	
M6 x 55	M10 x 45	M16 x 30	
M6 x 60	M10 x 50	M16 x 35	
M6 x 65	M10 x 60	M16 x 40	
M6 x 70	M10 x 65	M16 x 45	
M6 x 80	M10 x 70	M16 x 50	
M6 x 90	M10 x 75	M16 x 55	
M6 x 100	M10 x 80	M16 x 60	



THREADED TO THE  
HEAD AVAILBALE ON  
REQUEST

*Other sizes and finishes  
available including  
imperial & fine pitch.*



RETURN TO  
CONTENTS PAGE

ZINC

# SOCKET COUNTERSUNK - ZINC PLATED

## ZINC PLATED

• High tensile • Grade 10.9 • DIN 912

Size (mm)	Size (mm)	Size (mm)
M5 x 6	M8 x 40	M12 x 50
M5 x 8	M8 x 45	M12 x 55
M5 x 10	M8 x 50	M12 x 60
M5 x 12	M8 x 55	M12 x 65
M5 x 16	M8 x 60	M12 x 70
M5 x 20	M8 x 70	M12 x 80
M5 x 25	M8 x 80	M12 x 90
M5 x 30	M8 x 90	M12 x 100
M5 x 35	M8 x 100	M12 x 110
M5 x 40	M8 x 110	M12 x 120
M5 x 45	M8 x 90	M16 x 30
M5 x 50	M8 x 100	M16 x 35
M5 x 60	M8 x 120	M16 x 40
M5 x 70	M10 x 12	M16 x 45
M6 x 8	M10 x 16	M16 x 50
M6 x 10	M10 x 20	M16 x 55
M6 x 12	M10 x 25	M16 x 60
M6 x 16	M10 x 30	M16 x 70
M6 x 20	M10 x 35	M16 x 75
M6 x 25	M10 x 40	M16 x 80
M6 x 30	M10 x 45	M16 x 90
M6 x 35	M10 x 50	M16 x 100
M6 x 40	M10 x 55	M16 x 110
M6 x 45	M10 x 60	M16 x 120
M6 x 50	M10 x 65	M20 x 35
M6 x 55	M10 x 70	M20 x 40
M6 x 60	M10 x 75	M20 x 45
M6 x 65	M10 x 80	M20 x 50
M6 x 70	M10 x 90	M20 x 55
M6 x 80	M10 x 100	M20 x 60
M6 x 100	M10 x 120	M20 x 65
M8 x 12	M12 x 20	M20 x 70
M8 x 16	M12 x 25	M20 x 75
M8 x 20	M12 x 30	M20 x 80
M8 x 25	M12 x 35	M20 x 90
M8 x 30	M12 x 40	M20 x 100
M8 x 35	M12 x 45	



Sizes available  
from 3.0mm Dia  
See our website for  
more  
information



*Other sizes and finishes  
available including  
imperial & fine pitch.*



RETURN TO  
CONTENTS PAGE

## SOCKET COUNTERSUNK - STAINLESS STEEL

### A2 - 304 STAINLESS STEEL

• DIN 912

Size (mm)	Size (mm)	Size (mm)
M5 x 6	M8 x 20	M12 x 35
M5 x 8	M8 x 25	M12 x 40
M5 x 10	M8 x 30	M12 x 45
M5 x 12	M8 x 35	M12 x 50
M5 x 16	M8 x 40	M12 x 60
M5 x 20	M8 x 45	M12 x 65
M5 x 25	M8 x 50	M12 x 70
M5 x 30	M8 x 55	M12 x 80
M5 x 35	M8 x 60	M12 x 90
M5 x 40	M8 x 65	M12 x 100
M5 x 45	M8 x 70	M12 x 110
M5 x 50	M8 x 75	M12 x 120
M5 x 55	M8 x 80	M12 x 130
M5 x 60	M8 x 90	M16 x 25
M5 x 80	M8 x 100	M16 x 30
M6 x 8	M8 x 120	M16 x 35
M6 x 10	M10 x 16	M16 x 40
M6 x 12	M10 x 20	M16 x 50
M6 x 14	M10 x 25	M16 x 55
M6 x 16	M10 x 30	M16 x 60
M6 x 20	M10 x 35	M16 x 70
M6 x 25	M10 x 40	M16 x 80
M6 x 30	M10 x 45	M16 x 90
M6 x 35	M10 x 50	M20 x 35
M6 x 40	M10 x 55	M20 x 40
M6 x 45	M10 x 60	M20 x 45
M6 x 50	M10 x 70	M20 x 50
M6 x 55	M10 x 75	M20 x 60
M6 x 60	M10 x 80	M20 x 80
M6 x 70	M10 x 90	M24 x 70
M6 x 80	M10 x 100	
M6 x 90	M10 x 120	
M6 x 100	M10 x 130	
M6 x 120	M12 x 16	
M8 x 10	M12 x 20	
M8 x 12	M12 x 25	
M8 x 16	M12 x 30	



Sizes available from 2.0mm Dia  
See our website for more information



**Other sizes and finishes available including imperial & fine pitch.  
FOR A4 STAINLESS STEEL CONTACT US FOR PRICE**



RETURN TO CONTENTS PAGE

# TECHNICAL DATA

## SOCKET BUTTON - TECHNICAL DATA

### 10.9 GRADE - ISO 7380

Thread Diameter (mm)	Pitch (mm)	Thread Length (mm)	Head Diameter (mm)	Head Depth (mm)	Socket Wrench Size (mm)
M3	0.5	18	5.2	1.65	2
M4	0.7	20	7.2	2.2	2.5
M5	0.8	22	8.8	2.75	3
M6	1	24	10	3.3	4
M8	1.25	28	13.2	4.4	5
M10	1.5	32	16.5	5.5	6
M12	1.75	36	19.4	6.6	8

The most important reasons for the increasing use of socket head Button screws in industry are safety, reliability & economy. All three reasons are directly traceable to the superior performance of socket screws vs. other fasteners, and that is due to their superior strength and advanced design.

Materials/finishes available:  
self colour, stainless steel, zinc, zinc yellow, aluminium, brass, titanium & ferrous.

We also do other grades & pitches, e.g. Grade 1-& metric fine.  
Other threads available: **UNF, UNC, BSF, BSW & BA**

THREADED TO THE  
HEAD AVAILABLE ON  
REQUEST



RETURN TO  
CONTENTS PAGE

SELF COLOUR

## SOCKET BUTTON - STEEL

### SELF COLOUR

Deep, accurate socket for high torque wrenching. • High Tensile • Grade 10.9

Size (mm)	Size (mm)
M3 x 4	M8 x 12
M3 x 5	M8 x 16
M3 x 6	M8 x 20
M3 x 8	M8 x 25
M3 x 10	M8 x 30
M3 x 12	M8 x 35
M3 x 16	M8 x 40
M3 x 20	M8 x 45
M4 x 6	M8 x 50
M4 x 8	M8 x 60
M4 x 10	M8 x 70
M4 x 12	M8 x 80
M4 x 16	M10 x 16
M4 x 20	M10 x 20
M4 x 25	M10 x 25
M4 x 30	M10 x 30
M5 x 6	M10 x 35
M5 x 8	M10 x 40
M5 x 10	M10 x 50
M5 x 12	M10 x 60
M5 x 16	M12 x 20
M5 x 20	M12 x 25
M5 x 25	M12 x 30
M5 x 30	M12 x 35
M5 x 40	M12 x 40
M5 x 45	M12 x 50
M6 x 8	
M6 x 10	
M6 x 12	
M6 x 16	
M6 x 16	
M6 x 20	
M6 x 25	
M6 x 30	
M6 x 35	
M6 x 40	
M6 x 45	
M6 x 50	
M6 x 60	
M8 x 10	



OTHER SIZES  
AVAILBALE ON  
REQUEST



RETURN TO  
CONTENTS PAGE

ZINC

# SOCKET BUTTON - STEEL ZINC

## ZINC DE-EMBRITTLLED

Deep, accurate socket for high torque wrenching.

• High tensile • Grade 10.9 - ISO 7380

Size (mm)	Size (mm)
M3 x 6	M8 x 30
M3 x 8	M8 x 35
M3 x 10	M8 x 40
M3 x 12	M8 x 50
M3 x 16	M8 x 60
M4 x 6	M8 x 70
M4 x 8	M8 x 100
M4 x 10	M10 x 15
M4 x 12	M10 x 20
M4 x 16	M10 x 25
M4 x 20	M10 x 30
M4 x 25	M10 x 35
M5 x 6	M10 x 40
M5 x 8	M10 x 45
M5 x 10	M10 x 50
M5 x 12	M10 x 60
M5 x 16	M10 x 70
M5 x 20	M10 x 80
M5 x 25	M10 x 90
M5 x 30	M10 x 100
M5 x 35	M12 x 20
M5 x 40	M12 x 30
M6 x 8	M12 x 35
M6 x 10	M12 x 40
M6 x 12	M12 x 45
M6 x 16	M12 x 50
M6 x 20	
M6 x 25	
M6 x 30	
M6 x 35	
M6 x 40	
M6 x 50	
M6 x 60	
M8 x 10	
M8 x 16	
M8 x 20	
M8 x 25	



THREADED TO  
THE HEAD AVAIL-  
BALE ON RE-  
QUEST

OTHER SIZES  
AVAILBALE ON  
REQUEST

**Other sizes and finishes  
available including  
imperial & fine pitch.**



RETURN TO  
CONTENTS PAGE

STAINLESS STEEL

## SOCKET BUTTON - STAINLESS STEEL

### A2 - 304 STAINLESS STEEL

Deep, accurate socket for high torque wrenching.

Size (mm)	Size (mm)	Size (mm)
M2.5 x 6	M6 x 20	M10 x 60
M2.5 x 8	M6 x 25	M10 x 65
M3 x 4	M6 x 30	M10 x 70
M3 x 6	M6 x 35	M10 x 75
M3 x 8	M6 X 40	M10 x 80
M3 x 10	M6 x 45	M10 x 90
M3 x 12	M6 x 50	M10 x 100
M3 x 16	M6 x 60	M10 x 110
M3 x 20	M6 x 70	M10 x 120
M3 x 25	M8 x 10	M10 x 130
M3 x 30	M8 x 12	M12 x 20
M4 x 6	M8 x 16	M12 x 25
M4 x 8	M8 x 20	M12 x 30
M4 x 10	M8 x 25	M12 x 35
M4 x 12	M8 x 30	M12 x 40
M4 x 16	M8 x 35	M12 x 45
M4 x 20	M8 x 40	M12 x 50
M4 x 25	M8 x 45	M12 x 55
M4 x 30	M8 x 50	M12 x 60
M4 x 35	M8 x 60	M12 x 65
M4 x 40	M8 x 70	M12 x 70
M5 x 6	M8 x 100	
M5 x 8	M10 x 12	
M5 x 10	M10 x 16	
M5 x 12	M10 x 20	
M5 x 16	M10 x 25	
M5 x 20	M10 x 30	
M5 x 25	M10 x 35	
M5 x 30	M10 x 40	
M5 x 35	M10 x 45	
M5 x 40	M10 x 50	
M5 x 50	M10 x 60	
M5 x 60	M10 x 70	
M6 x 8	M10 x 80	
M6 x 10	M10 x 90	
M6 x 12	M10 x 100	
M6 x 16	M12 x 20	



THREAD-  
ED TO THE  
HEAD AVAILBALE ON  
REQUEST

**Other sizes and finishes  
available including  
imperial & fine pitch.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



RETURN TO  
CONTENTS PAGE

# TECHNICAL DATA

## SOCKET SETS - 14 GRADE

Diameter (mm)	Pitch* (mm)	Socket Wrench Size (mm)
M3	0.5	1.5
M4	0.7	2
M5	0.8	2
M6	1	3
M8	1.25	4
M10	1.5	5
M12	1.75	6
M14	2	6
M16	2	8
M20	2.5	10
M24	3.0	12



\* PITCH IS THE DISTANCE MEASURED BETWEEN EACH THREAD.



**KNURLED**



**CUP**



**FLAT**



**CONE**



**DOG**

Materials/finishes available: self colour, stainless steel, zinc, titanium & ferrous.

Other threads available: **UNF, UNC, BSF, BSW & BA**



**RETURN TO  
CONTENTS PAGE**

SELF COLOUR

## SOCKET SETS - STEEL

**SELF COLOUR** • High tensile • Grade 14 • DIN 912



KNURLED



PLAIN



FLAT



CONE



DOG

Size (mm)
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 20
M6 x 30
M6 x 40
M6 x 50
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 35
M10 x 10
M10 x 12
M10 x 16
M10 x 20
M10 x 25
M12 x 16
M12 x 20
M12 x 25
M12 x 30
M16 x 16
M16 x 20
M16 x 40
M20 x 20
M20 x 25

Size (mm)	Size (mm)
M5 x 4	M8 x 50
M5 x 5	M8 x 60
M5 x 6	M8 x 80
M5 x 8	M10 x 10
M5 x 10	M10 x 12
M5 x 12	M10 x 16
M5 x 16	M10 x 20
M5 x 20	M10 x 25
M5 x 25	M10 x 30
M5 x 30	M10 x 35
M5 x 35	M10 x 40
M5 x 40	M10 x 50
M5 x 50	M10 x 60
M6 x 5	M10 x 70
M6 x 6	M12 x 10
M6 x 8	M12 x 12
M6 x 10	M12 x 16
M6 x 12	M12 x 20
M6 x 15	M12 x 25
M6 x 16	M12 x 30
M6 x 20	M12 x 35
M6 x 25	M12 x 40
M6 x 30	M12 x 50
M6 x 35	M12 x 55
M6 x 40	M12 x 60
M6 x 50	M12 x 65
M8 x 6	M12 x 70
M8 x 8	M12 x 100
M8 x 10	M16 x 16
M8 x 12	M16 x 20
M8 x 16	M16 x 25
M8 x 20	M16 x 35
M8 x 25	M16 x 40
M8 x 30	M16 x 50
M8 x 35	M16 x 60
M8 x 40	M16 x 65
M8 x 45	M16 x 70

Size (mm)
M5 x 5
M5 x 6
M5 x 8
M5 x 20
M5 x 35
M5 x 40
M6 x 6
M6 x 10
M6 x 12
M6 x 15
M6 x 20
M6 x 30
M6 x 35
M6 x 40
M8 x 8
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M10 x 8
M10 x 10
M10 x 12
M10 x 16
M10 x 25
M10 x 30
M10 x 40
M10 x 45
M12 x 16
M12 x 40
M16 x 30

Size (mm)
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 20
M6 x 25
M6 x 30
M8 x 10
M8 x 12
M8 x 15
M8 x 20
M8 x 25
M8 x 30
M8 x 40
M10 x 12
M10 x 16
M10 x 30
M12 x 12
M12 x 25

Size (mm)
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 20
M6 x 30
M6 x 40
M6 x 50
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 35
M10 x 10
M10 x 12
M10 x 16
M10 x 20
M10 x 25
M12 x 16
M12 x 20
M12 x 25
M12 x 30
M12 x 40
M12 x 50



*More sizes available.  
Also available in fine pitch,  
zinc, zinc yellow, galvanised,  
stainless, other finishes +  
UNF, UNC, BSW, BSF & BA*



# SOCKET SETS - STAINLESS STEEL

## A2 - 304 STAINLESS STEEL DIN 912



PLAIN



FLAT



CONE



DOG

Plain Size (mm)	Plain Size (mm)
M5 x 5	M10 x 8
M5 x 6	M10 x 10
M5 x 8	M10 x 12
M5 x 10	M10 x 16
M5 x 16	M10 x 20
M5 x 20	M10 x 25
M5 x 25	M10 x 30
M5 x 30	M10 x 35
M5 x 40	M10 x 40
M5 x 50	M10 x 45
M6 x 6	M10 x 50
M6 x 8	M10 x 60
M6 x 10	M12 x 12
M6 x 12	M12 x 16
M6 x 16	M12 x 20
M6 x 20	M12 x 25
M6 x 25	M12 x 30
M6 x 30	M12 x 40
M6 x 35	M12 x 45
M6 x 40	M12 x 50
M6 x 45	M12 x 60
M6 x 50	M12 x 70
M8 x 8	M16 x 16
M8 x 10	M16 x 25
M8 x 12	M16 x 30
M8 x 16	M16 x 60
M8 x 20	
M8 x 25	
M8 x 30	
M8 x 35	
M8 x 40	
M8 x 45	
M8 x 50	
M8 x 60	
M8 x 70	
M8 x 80	

Flat Size (mm)
M5 x 5
M5 x 10
M5 x 16
M5 x 20
M6 x 5
M6 x 10
M6 x 12
M6 x 18
M8 x 6
M8 x 8
M8 x 10
M8 x 35
M8 x 70
M10 x 30
12 x 20

Cone Size (mm)
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 16
M5 x 20
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 25
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20
M8 x 30
M10 x 12
M10 x 25

Size (mm)
M3 x 5
M3 x 6
M4 X 8
M4 X 10
M4 X 12
M4 X 16
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 20
M6 x 30
M6 x 40
M6 x 50
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20



**More sizes available.  
Also available in fine pitch,  
self colour, zinc, other  
finishes + UNF, UNC, BSW,  
BSF & BA  
FOR A4 -316 STAINLESS STEEL  
CONTACT US FOR PRICE**

## SOCKET SHOULDERS - STEEL

### SELF COLOUR

Shoulder screws are also known as shoulder bolts and stripper bolts. Their sizes are normally described by the shoulder diameter x shoulder length. Once installed, the shoulder section, which is slightly larger in diameter to the threaded section, can act as a shaft for rotating bearings to create simple cam followers, pivot points, or for pulleys and gears.

The outside head of the socket shoulder screw is commonly 'knurled' allowing better manual tightening and grip from the user / installer.



Shoulder Size + Length (mm)	Thread Diameter (mm)	Shoulder Size + Length (mm)	Thread Diameter (mm)	Shoulder Size + Length (mm)	Thread Diameter (mm)
6 x 10	M5	10 x 16	M8	12 x 90	M10
6 x 12	M5	10 x 20	M8	12 x 100	M10
6 x 16	M5	10 x 25	M8	12 x 120	M10
6 x 20	M5	10 x 30	M8	16 x 16	M12
6 x 25	M5	10 x 35	M8	16 x 20	M12
6 x 30	M5	10 x 40	M8	16 x 30	M12
6 x 35	M5	10 x 50	M8	16 x 40	M12
6 x 40	M5	10 x 60	M8	16 x 50	M12
8 x 10	M6	10 x 70	M8	16 x 60	M12
8 x 12	M6	10 x 80	M8	16 x 70	M12
8 x 16	M6	12 x 16	M10	16 x 80	M12
8 x 20	M6	12 x 20	M10	20 x 30	M16
8 x 25	M6	12 x 25	M10	20 x 40	M16
8 x 30	M6	12 x 30	M10	20 x 50	M16
8 x 40	M6	12 x 35	M10	20 x 60	M16
8 x 50	M6	12 x 40	M10	20 x 70	M16
8 x 60	M6	12 x 50	M10	20 x 80	M16
8 x 80	M6	12 x 60	M10	20 x 90	M16
8 x 90	M6	12 x 70	M10	20 x 100	M16
10 x 10	M8	12 x 80	M10		



*More sizes available.  
Also available in  
stainless (SPECIAL)*



**RETURN TO  
CONTENTS PAGE**

# TECHNICAL DATA

## MACHINE SCREWS - TECHNICAL DATA



### PAN SLOTTED HEAD

Diameter (mm)	Pitch (mm)	Head Diameter (mm)	Head Depth (mm)	Slot Width (mm)
M2	0.4	4	1.2	0.5
M2.5	0.45	5	1.5	0.6
M3	0.5	6	1.8	0.8
M3.5	0.6	7	2.1	1.0
M4	0.7	8	2.4	1.2
M5	0.8	10	3.0	1.2
M6	1	12	3.6	1.6
M8	1.25	16	4.8	2
M10	1.5	20	6.0	2.5



### PAN CROSS RECESSED HEAD

Diameter (mm)	Pitch (mm)	Head Diameter (mm)	Head Depth (mm)	Pozi Number
M2	0.4	4	1.6	1
M2.5	0.45	5	2	1
M3	0.5	6	2.4	1
M4	0.7	8	3.1	2
M5	0.8	10	3.8	2
M6	1.0	12	4.6	3
M8	1.25	16	6	4
M10	1.5	20	7.5	4



### COUNTERSUNK CROSS RECESSED HEAD

Diameter (mm)	Pitch (mm)	Head Diameter (mm)	Head Depth (mm)	Pozi Number
M2	0.4	3.8	1.2	1
M2.5	0.45	4.7	1.5	1
M3	0.5	5.6	1.65	1
M4	0.7	7.5	2.2	2
M5	0.8	9.2	2.5	2
M6	1.0	11	3	3
M8	1.25	14.5	4	4



### COUNTERSUNK SLOTTED HEAD

Diameter (mm)	Pitch (mm)	Head Diameter (mm)	Head Depth (mm)	Slot Width (mm)
M2	0.4	3.8	1.2	0.5
M2.5	0.45	4.7	1.5	0.6
M3	0.5	5.6	1.65	0.8
M3.5	0.6	6.5	1.93	1
M4	0.7	7.5	2.2	1
M5	0.8	9.2	2.5	1.2
M6	1	11	3	1.6
M8	1.25	14.5	4	2
M10	1.5	18	5	2.5
M12	1.75	22	6	3
M16	2	29	8	4
M20	2.5	36	10	



Materials/finishes available:

self colour, stainless steel, zinc, zinc yellow, nylon, aluminium, brass, titanium & ferrous.

Other threads available: **UNF, UNC, BSF, BSW & BA**

**Cheese, flange and raised head also available.**



**RETURN TO CONTENTS PAGE**

ZINC

## MACHINE SCREWS - ZINC PLATED

### PAN SLOTTED



Size (mm)	Size (mm)
M3 x 3	M4 x 75
M3 x 4	M4 x 80
M3 x 5	M5 x 6
M3 x 6	M5 x 8
M3 x 8	M5 x 10
M3 x 10	M5 x 12
M3 x 12	M5 x 16
M3 x 16	M5 x 20
M3 x 20	M5 x 25
M3 x 25	M5 x 30
M3 x 30	M5 x 35
M3 x 35	M5 x 40
M3 x 40	M5 x 45
M3 x 50	M5 x 50
M3 x 60	M5 x 60
M3.5 x 6	M5 x 75
M3.5 x 8	M5 x 100
M3.5 x 10	M6 x 8
M3.5 x 12	M6 x 10
M3.5 x 20	M6 x 12
M3.5 x 25	M6 x 16
M4 x 6	M6 x 20
M4 x 8	M6 x 25
M4 x 10	M6 x 30
M4 x 12	M6 x 35
M4 x 16	M6 x 40
M4 x 20	M6 x 45
M4 x 25	M6 x 50
M4 x 30	M6 x 55
M4 x 35	M6 x 60
M4 x 40	M6 x 75
M4 x 45	M6 x 80
M4 x 50	M6 x 90
M4 x 55	M6 x 100
M4 x 60	
M4 x 70	

### PAN CROSS RECESSED



Size (mm)	Size (mm)
M3 x 4	M4 x 120
M3 x 5	M5 x 6
M3 x 6	M5 x 8
M3 x 8	M5 x 10
M3 x 10	M5 x 12
M3 x 12	M5 x 16
M3 x 16	M5 x 20
M3 x 20	M5 x 25
M3 x 25	M5 x 30
M3 x 30	M5 x 35
M3 x 35	M5 x 40
M3 x 40	M5 x 45
M3 x 50	M5 x 50
M3 x 60	M5 x 55
M3.5 x 6	M5 x 60
M3.5 x 8	M5 x 65
M3.5 x 10	M5 x 70
M3.5 x 12	M5 x 75
M3.5 x 16	M5 x 80
M3.5 x 20	M5 x 90
M3.5 x 25	M5 x 100
M4 x 4	M6 x 8
M4 x 5	M6 x 10
M4 x 6	M6 x 12
M4 x 8	M6 x 16
M4 x 10	M6 x 20
M4 x 12	M6 x 25
M4 x 16	M6 x 30
M4 x 20	M6 x 35
M4 x 25	M6 x 40
M4 x 30	M6 x 45
M4 x 40	M6 x 50
M4 x 45	M6 x 60
M4 x 50	M6 x 65
M4 x 55	M6 x 70
M4 x 60	M6 x 80



**More sizes available.  
Also available in self colour, zinc yellow, stainless & other finishes.**



**RETURN TO  
CONTENTS PAGE**

ZINC

# MACHINE SCREWS - ZINC PLATED

## COUNTERSUNK CROSS RECESSED



Size (mm)	Size (mm)
M3 x 5	M4 x 80
M3 x 6	M5 x 6
M3 x 8	M5 x 8
M3 x 10	M5 x 10
M3 x 12	M5 x 12
M3 x 16	M5 x 16
M3 x 20	M5 x 20
M3 x 25	M5 x 25
M3 x 30	M5 x 30
M3 x 35	M5 x 35
M3 x 40	M5 x 40
M3 x 50	M5 x 45
M3 x 60	M5 x 50
M3.5 x 5	M5 x 60
M3.5 x 6	M5 x 70
M3.5 x 8	M5 x 75
M3.5 x 10	M5 x 80
M3.5 x 12	M5 x 90
M3.5 x 16	M6 x 8
M3.5 x 20	M6 x 10
M3.5 x 25	M6 x 12
M4 x 5	M6 x 16
M4 x 6	M6 x 20
M4 x 8	M6 x 25
M4 x 10	M6 x 30
M4 x 12	M6 x 35
M4 x 16	M6 x 40
M4 x 20	M6 x 45
M4 x 25	M6 x 50
M4 x 30	M6 x 60
M4 x 35	M6 x 65
M4 x 40	M6 x 70
M4 x 50	M6 x 75
M4 x 60	M6 x 80
M4 x 70	M6 x 100
M4 x 75	

## COUNTERSUNK SLOTTED



Size (mm)	Size (mm)
M3 x 4	M5 x 25
M3 x 5	M5 x 30
M3 x 6	M5 x 35
M3 x 8	M5 x 40
M3 x 10	M5 x 45
M3 x 12	M5 x 50
M3 x 16	M5 x 60
M3 x 20	M5 x 70
M3 x 25	M5 x 75
M3 x 30	M5 x 80
M3 x 35	M5 x 90
M3 x 40	M5 x 100
M3 x 50	M6 x 12
M3.5 x 6	M6 x 16
M3.5 x 16	M6 x 20
M3.5 x 20	M6 x 25
M3.5 x 40	M6 x 30
M3.5 x 50	M6 x 35
M4 x 6	M6 x 40
M4 x 8	M6 x 45
M4 x 10	M6 x 50
M4 x 12	M6 x 60
M4 x 16	M6 x 70
M4 x 20	M6 x 75
M4 x 25	M6 x 80
M4 x 30	M6 x 100
M4 x 35	
M4 x 40	
M4 x 45	
M4 x 50	
M5 x 6	
M5 x 8	
M5 x 10	
M5 x 12	
M5 x 16	
M5 x 20	



**More sizes available.  
Also available in self  
colour, zinc yellow,  
stainless & other finishes.**



**RETURN TO  
CONTENTS PAGE**

STAINLESS STEEL

## MACHINE SCREWS - STAINLESS STEEL

### A2 - 304 STAINLESS STEEL



PAN SLOTTED

Size (mm)	Size (mm)
M3 x 4	M5 x 10
M3 x 5	M5 x 12
M3 x 6	M5 x 14
M3 x 8	M5 x 16
M3 x 10	M5 x 20
M3 x 12	M5 x 25
M3 x 16	M5 x 30
M3 x 20	M5 x 35
M3 x 25	M5 x 40
M3 x 30	M5 x 45
M3 x 35	M5 x 50
M3 x 40	M5 x 55
M3 x 45	M5 x 60
M3 x 50	M5 x 65
M3.5 x 6	M5 x 70
M3.5 x 10	M5 x 75
M3.5 x 12	M5 x 80
M3.5 x 16	M5 x 100
M3.5 x 20	M6 x 5
M3.5 x 35	M6 x 8
M4 x 5	M6 x 10
M4 x 6	M6 x 12
M4 x 8	M6 x 16
M4 x 10	M6 x 20
M4 x 12	M6 x 25
M4 x 16	M6 x 30
M4 x 20	M6 x 35
M4 x 25	M6 x 40
M4 x 30	M6 x 45
M4 x 35	M6 x 50
M4 x 40	M6 x 55
M4 x 45	M6 x 60
M4 x 50	M6 x 70
M4 x 60	M6 x 80
M5 x 6	M6 x 90
M5 x 8	M6 x 100



PAN CROSS RECESSED

Size (mm)	Size (mm)
M3 x 4	M5 x 10
M3 x 5	M5 x 12
M3 x 6	M5 x 16
M3 x 8	M5 x 20
M3 x 10	M5 x 25
M3 x 12	M5 x 30
M3 x 16	M5 x 35
M3 x 20	M5 x 40
M3 x 25	M5 x 45
M3 x 30	M5 x 50
M3 x 35	M5 x 60
M3 x 40	M5 x 70
M3 x 50	M5 x 75
M3.5 x 8	M5 x 80
M3.5 x 10	M5 x 90
M3.5 x 12	M5 x 100
M3.5 x 16	M6 x 8
M3.5 x 20	M6 x 10
M3.5 x 25	M6 x 12
M4 x 5	M6 x 16
M4 x 6	M6 x 18
M4 x 8	M6 x 20
M4 x 10	M6 x 25
M4 x 12	M6 x 30
M4 x 16	M6 x 35
M4 x 20	M6 x 40
M4 x 25	M6 x 45
M4 x 30	M6 x 50
M4 x 35	M6 x 60
M4 x 40	M6 x 70
M4 x 45	M6 x 80
M4 x 50	M6 x 90
M4 x 55	M6 x 100
M4 x 60	
M5 x 6	
M5 x 8	



**More sizes available.  
Also available in zinc, zinc  
yellow, A4 stainless  
& other finishes.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



**RETURN TO  
CONTENTS PAGE**

STAINLESS STEEL

# MACHINE SCREWS - STAINLESS STEEL

## A2 - 304 STAINLESS STEEL



COUNTERSUNK  
CROSS RECESSED



COUNTERSUNK  
SLOTTED



Size (mm)	Size (mm)
M3 x 4	M5 x 10
M3 x 5	M5 x 12
M3 x 6	M5 x 16
M3 x 8	M5 x 20
M3 x 10	M5 x 25
M3 x 12	M5 x 30
M3 x 16	M5 x 35
M3 x 20	M5 x 40
M3 x 25	M5 x 45
M3 x 30	M5 x 50
M3 x 35	M5 x 60
M3 x 40	M5 x 70
M3 x 50	M5 x 80
M3.5 x 8	M5 x 100
M3.5 x 10	M6 x 8
M3.5 x 12	M6 x 10
M3.5 x 16	M6 x 12
M3.5 x 20	M6 x 16
M3.5 x 25	M6 x 20
M3.5 x 30	M6 x 25
M4 x 6	M6 x 30
M4 x 8	M6 x 35
M4 x 10	M6 x 40
M4 x 12	M6 x 45
M4 x 16	M6 x 50
M4 x 20	M6 x 60
M4 x 25	M6 x 70
M4 x 30	M6 x 75
M4 x 35	M6 x 80
M4 x 40	M6 x 120
M4 x 50	
M4 x 60	
M4 x 80	
M5 x 5	
M5 x 6	
M5 x 8	

Size (mm)	Size (mm)
M3 x 4	M5 x 12
M3 x 5	M5 x 16
M3 x 6	M5 x 20
M3 x 8	M5 x 25
M3 x 10	M5 x 30
M3 x 12	M5 x 35
M3 x 16	M5 x 40
M3 x 20	M5 x 45
M3 x 25	M5 x 50
M3 x 30	M5 x 60
M3 x 35	M5 x 70
M3 x 40	M5 x 75
M3 x 50	M5 x 100
M3 x 60	M6 x 8
M3.5 x 5	M6 x 10
M3.5 x 6	M6 x 12
M3.5 x 8	M6 x 16
M3.5 x 12	M6 x 20
M3.5 x 20	M6 x 25
M4 x 5	M6 x 30
M4 x 6	M6 x 35
M4 x 8	M6 x 40
M4 x 10	M6 x 45
M4 x 12	M6 x 50
M4 x 16	M6 x 60
M4 x 20	M6 x 70
M4 x 25	M6 x 80
M4 x 30	M6 x 100
M4 x 35	M6 x 120
M x 40	
M4 x 45	
M4 x 50	
M4 x 60	
M5 x 6	
M5 x 8	
M5 x 10	



**More sizes available.  
Also available in zinc, zinc  
yellow, A4 stainless  
& other finishes.  
FOR A4 STAINLESS STEEL  
CONTACT US FOR PRICE**



RETURN TO  
CONTENTS PAGE

## RIVNUTS

- Excellent solution to obtain a resistant and reliable thread in parts with a reduced thickness (0.5 mm)
- Valid for use in a great variety of materials where the alternative methods (nuts, welded nuts, etc.) do not maintain the clamping force & the tensile load.
- Versatility. Double function: as a nut and as a joint rivet.
- It does not deform surfaces after the riveting process (lacquered, glazed, etc.).
- Available in different finishes that improve its resistance to corrosion.
- Its installation can be incorporated at any stage of production.
- Fast and high precision assembly.
- It can be used with ergonomic and simple tools that can be pneumatic, automatic or hand tools.
- The riveting process is environmentally friendly, free of smoke, sparks, fumes, etc.

### THINSHEET (REDUCED HEAD)

It offers the possibility of creating virtually a flat surface without the need for a drilling machine.



Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Zinc				
M3	0.5 - 2.5	9.5	5	TCR0325
M4	0.5 - 3.0	10	6	TCR0430
M5	0.5 - 3.0	11.5	7	TCR0530
M6	0.5 - 3.0	14	9	TCR0630
M8	0.5 - 3.0	15.5	11	TCR0830
M10	0.8 - 3.5	19.5	13	TCR10.35

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Stainless Steel				
M4	0.5 - 3.0	10	6	ENR0430
M5	0.5 - 3.0	11.5	7	ENR0530
M6	0.5 - 3.0	14	9	ENR0630
M8	0.5 - 3.0	15.5	11	ENR0830
M10	0.8 - 3.5	19.5	13	ENR1035

### THINSHEET (REDUCED HEAD) HEXAGON BODY



Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Zinc				
M4	0.5-3.0	12.0	6.1	HCR0430
M5	0.5-2.5	14.0	7.1	HCR0525
M6	0.5-2.5	16.0	9.1	HCR0625
M8	0.5-2.5	18.0	11.1	HCR0825
M10	0.5-4.0	22.0	13.1	HCR1040

### THINSHEET (REDUCED HEAD) IMPERIAL BODY

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (inch)	CODE:
Zinc				
M3	0.5 - 2.5	9.5	3/16	TCRI0330
M4	0.5 - 3.0	10	1/4	TCRI0430
M5	0.5 - 2.5	unavail	1/4	TCRI0525
M5	0.5 - 3.0	11.5	1/4	TCRI0530
M6	0.5 - 3.0	14	3/8	TCRI0630
M8	0.5 - 3.0	15.5	27/64	TCRI0830



**More sizes available.  
Also available in aluminium & steel**



# RIVNUTS

## CYLINDRICAL (FLANGE HEAD)

It provides a big bearing area that strengthens the hole and prevent traction and pulling failures. It can also be used as a separator.

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Head Diameter (mm)	Code:
Zinc					
M3	0.5 - 3.0	10.9	5	7	TCD0330
M4	0.3 - 3.0	11	6	9	TCD0430
M4	3.1 - 4.0	12.5	6	9	TCD0440
M5	0.3 - 3.0	13	7	9	TCD0530
M5	3.1 - 4.0	16	7	9	TCD0540
M6	0.5 - 3.0	16	9	13	TCD0630
M6	3.1 - 4.5	17.5	9	13	TCD0645
M8	0.5 - 3.0	17.5	11	16	TCD0830
M8	3.1 - 5.5	20	11	16	TCD0855
M10	0.5 - 3.0	13	13	19	TCD1030
M10	3.1 - 6.0	24	13	19	TCD1060
M12	1.0 - 4.0	25	16	23	TCD1240

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Head Diameter (mm)	Code:
Stainless Steel					
M3	0.5 - 3.0	10.9	5	7	END0330
M4	0.3 - 3.0	11	6	9	END0430
M4	3.1 - 4.0	12.5	6	9	END0440
M5	0.3 - 3.0	13	7	9	END0530
M5	3.1 - 4.0	16	7	9	END0540
M6	0.5 - 3.0	16	9	13	END0630
M6	3.1 - 4.5	17.5	9	13	END0645
M8	0.5 - 3.0	17.5	11	16	END0830
M8	3.1 - 5.5	20	11	16	END0855
M10	0.5 - 3.0	19	13	19	END1030
M10	3.1 - 6.0	24	13	23	END1060

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Head Diameter (mm)	Code:
Aluminium					
M3	0.5 - 3.0	10.9	5	7	EAD0330
M4	0.3 - 3.0	11	6	9	EAD0430
M5	0.3 - 3.0	13	7	9	EAD0530
M5	3.1 - 4.0	16	7	9	EAD0540
M6	0.5 - 3.0	16	9	13	EAD0630
M8	0.5 - 3.0	17.5	11	16	EAD0830
M10	0.5 - 3.0	24	13	19	EAD1060

## CYLINDRICAL (FLANGE HEAD CLOSED END)

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Head Diameter (mm)	Code:
Zinc					
M4	0.3 - 3.0	16.5	6	9	TCBD0430
M5	0.3 - 3.0	19	9	9	TCBD0530
M6	0.5 - 3.0	22	9	13	TCBD0630
M8	0.5 - 3.0	26.5	11	16	TCBD0830



## CYLINDRICAL HEAD (FLANGE HEAD HEXAGON BODY)

Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Head Diameter (mm)	Code
Zinc					
M4	0.5 - 3.0	12.5	6.1	9.3	HCD0430
M5	0.5 - 3.0	14.5	7.1	10.3	HCD0530
M6	0.5 - 3.0	17	9.1	12.3	HCD0630
M8	0.5 - 3.0	19	11.1	14.3	HCD0830
M10	1.0 - 4.0	24	13.1	16.3	HCD1040



## RIVNUTS

Countersunk Head Rivet nuts provide a strong captivated thread in thin panels & in applications where only one side of the panel is accessible such as box or tube section. They can be installed into panels as thin as 0.5mm and do not suffer from the maximum hardness limitations of self-clinching nuts so are suitable for installation into hard or non-ductile panels.

### COUNTERSUNK HEAD 90° HEAD



Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Zinc				
M4	1.5 - 3.5	11.5	6	TCK0435
M5	1.5 - 4.0	13.5	7	TCK0540
M6	1.5 - 4.5	16	9	TCK0645
M8	1.5 - 4.5	19	11	TCK0845
M10	1.5 - 4.5	21	13	TCK1045
M12	2.0 - 4.5	24.5	16	TCK1245
M12	4.5 - 7.5	27.5	16	TCK1275



Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Aluminium				
M4	1.5 - 3.5	11.5	6	EAK0435
M5	1.5 - 4.0	13.5	7	EAK0540
M6	1.5 - 4.5	16	9	EAK0645
M8	1.5 - 4.5	19	11	EAK0845
M10	1.5 - 4.5	21	13	EAK1045



Size (mm)	Grip Range (mm)	Length (mm)	Drill hole Diameter (mm)	Code:
Stainless Steel				
M4	1.5 - 3.5	11.5	6	ENK0435
M5	1.5 - 4.0	13.5	7	ENK0540
M6	1.5 - 4.5	16	9	ENK0645
M8	1.5 - 4.5	19	11	ENK0845
M10	1.5 - 4.5	21	13	ENK1045



RETURN TO CONTENTS PAGE

# TECHNICAL DATA

## THREADED INSERTS/HELICOILS

Standard inserts, manufactured in 18/8 stainless steel are suitable for operation within temperatures ranging from -160°C to +420°C (-320°F to + 800°F). For applications involving extreme and elevated temperatures wire thread inserts can be manufactured in creep resistant nickel based alloys. WTI inserts are manufactured in 18/8 austenitic chromium/nickel stainless steel and offer excellent corrosion resistance, preventing adverse seizing and galling even at elevated temperatures.

Size (mm) + Pitch	Drill Size (mm)	Tap Size (mm)	Freecoil (mm)
M2 x 0.40	2.10	2.52 - 2.61	2.48 - 2.70
M2.5 x 0.45	2.60	3.08 - 3.18	3.04 - 3.70
M3 x 0.5	3.20	3.65 - 3.76	3.60 - 4.35
M3.5 x 0.60	3.70	4.28 - 4.41	4.22 - 4.95
M4 x 0.70	4.20	4.90 - 5.06	4.83 - 5.60
M5 x 0.80	5.20	6.04 - 6.21	5.94 - 6.80
M6 x 1.00	6.30	7.30 - 7.51	7.17 - 7.95
M7 x 1.00	7.30	8.30 - 8.51	8.17 - 9.20
M8 x 1.25	8.30	9.62 - 9.89	9.45 - 10.35
M8 x 1.00	8.30	9.30 - 9.51	9.17 - 10.25
M9 x 1.25	9.40	10.62 - 10.89	10.45 - 11.16
M9 x 1.00	9.30	10.30 - 10.51	10.17 - 11.23
M10 X 1.5	10.40	11.95 - 12.27	11.74 - 12.50
M10 X 1.25	10.30	11.62 - 11.89	11.45 - 12.65
M10 x 1.00	10.30	11.30 - 11.51	11.17 - 12.50
M11 X 1.50	11.40	12.95 - 13.27	12.74 - 13.59
M11 X 1.25	11.30	12.62 - 12.89	12.47 - 13.76
M12 X 1.75	12.50	14.27 - 14.65	14.03 - 15.00
M12 X 1.50	12.40	13.95 - 14.27	13.75 - 15.20
M12 X 1.25	12.30	13.62 - 13.89	13.47 - 15.00
M14 X 2.00	14.50	16.60 - 17.03	16.31 - 17.35
M14 X 1.50	14.40	15.95 - 16.27	15.75 - 17.25
M14 X 1.25	14.30	15.62 - 15.89	15.47 - 17.03
M16 X 2.00	16.50	18.60 - 19.03	18.31 - 19.60
M16 X 1.50	16.50	17.95 - 18.27	17.75 - 19.60
M18 X 2.50	18.80	21.25 - 21.79	20.86 - 22.00
M18 X 2.00	18.50	20.60 - 21.03	20.31 - 21.85
M20 X 2.50	20.80	23.25 - 23.79	22.86 - 24.40
M20 X 2.00	20.50	22.60 - 23.03	22.31 - 24.05
M20 X 1.50	20.50	21.95 - 22.27	21.75 - 24.00



RETURN TO  
CONTENTS PAGE

STAINLESS STEEL

## THREADED INSERTS / HELICOILS

**FREE RUNNING** In the free state, free-running inserts are greater in diameter than the tapped hole into which they are installed. In the assembly operation, the torque applied to the tang reduces the diameter of the leading coil and permits it to enter the tapped thread.

**SCREW LOCKING** Screw-locking inserts provide an exclusive, resilient internal locking thread that grips the bolt and prevents it from loosening under vibration or impact. Locking action is achieved by one or more of the coils of the insert having a series of straight segments, or chords.

Diameter (mm)	Fitted Length	Diameter (mm)	Fitted Length	Diameter (mm)	Fitted Length
M2	1D	M6	1D	M12	3D
M2	1.5D	M6	1.5D	M14	1D
M2	2D	M6	2D	M14	1.5D
M2	2.5D	M6	2.5D	M14	2D
M2.5	1D	M6	3D	M14	3D
M2.5	1.5D	M7	1D	M16	1D
M2.5	2D	M7	1.5D	M16	1.5D
M2.5	2.5D	M7	2D	M16	2D
M2.5	3D	M8	1D	M16	2.5D
M3	1D	M8	1.5D	M20	1D
M3	1.5D	M8	2D	M20	1.5D
M3	2D	M8	2.5D	M20	2D
M3	2.5D	M9	1.5D	M20	2.5D
M3	3D	M10	1D	M22	2.5D
M4	1D	M10	1.5D	M24	1D
M4	1.5D	M10	2D	M24	1.5D
M4	2D	M10	2.5D		
M4	2.5D	M10	3D		
M4	3D	M11	1.25D		
M5	1D	M11	1.5D		
M5	1.5D	M11	2D		
M5	2D	M12	1D		
M5	2.5D	M12	1.5D		
M5	3D	M12	2D		
		M12	2.5D		



**FREE RUNNING  
&  
SCREW LOCKING**



**RETURN TO  
CONTENTS PAGE**

# POP RIVETS - ALUMINIUM

**Blind rivets with an aluminium head and steel breaking mandrel.**

Rivets can fasten different materials with different types of manufacturing:  
**composites, laminate materials, heat treated etc.**

- Good resistance to temperature variations.

Diameter (mm)	Drill Size (mm)	Diameter (mm)	Drill Size (mm)
2.4	2.5	4.8	4.9
3.0	3.1	5.0	5.1
3.2	3.3	6.0	6.1
4.0	4.1	6.4	6.5



Size (mm)	Grip Range (mm)	Size (mm)	Grip Range (mm)	Size (mm)	Grip Range (mm)
2.4 X 6	2.0-4.0	4.0 x 8	3.0-5.0	6.0 x 8	2.0-4.0
2.4 x 8	4.0-6.0	4.0 x 10	5.0-6.5	6.0 x 10	4.0-6.0
2.4 x 10	6.0-8.0	4.0 x 12	6.5-8.5	6.0 x 12	6.0-8.0
2.4 x 12	8.0-10.0	4.0 x 14	8.5-10.5	6.0 x 16	9.0-11.0
3.0 x 4	0.5-1.5	4.0 x 16	10.5-12.5	6.0 x 18	11.0-13.0
3.0 x 6	1.5-3.5	4.0 x 18	12.5-14.5	6.0 x 22	13.0-16.0
3.0 x 8	3.5-5.5	4.0 x 20	14.5-16.5	6.0 x 26	16.0-20.0
3.0 x 10	5.5-7.0	4.0 x 23	16.5-19.0	6.0 x 30	20.0-24.0
3.0 x 12	7.0-9.0	4.0 x 25	19.0-21.5	6.0 x 35	24.0-29.0
3.0 x 14	9.0-11.0	4.0 x 30	21.5-26.0	6.4 X 10	2.0-5.0
3.0 x 16	11.0-13.0	4.0 x 35	26.0-30.0	6.4 x 12	4.0-6.0
3.0 x 18	13.0-15.0	4.8 x 6	1.0-3.0	6.4 x 15	6.0-9.0
3.0 x 20	15.0-17.0	4.8 x 8	3.0-4.5	6.4 x 18	9.0-13.0
3.2 x 6	1.5-3.5	4.8 x 10	4.5-6.0	6.4 X 22	13.0-16.0
3.2 x 8	3.5-5.5	4.8 x 12	6.0-8.0	6.4 x 26	16.0-20.0
3.2 x 10	5.5-7.0	4.8 x 14	8.0-10.0	6.4 x 30	20.0-24.0
3.2 x 12	7.0-9.0	4.8 x 18	12.0-14.0	6.4 x 35	24.0-30.0
3.2 x 14	9.0-11.0	4.8 x 20	14.0-16.0	6.4 x 40	30.0-35.0
3.2 x 16	11.0-13.0	4.8 x 22	16.0-18.0		
3.2 x 20	15.0-17.0	4.8 x 25	18.0-21.0		
3.2 x 25	17.0-22.0	4.8 x 30	21.0-25.0		
4.0 x 6	1.0-3.0	4.8 x 35	25.0-30.0		
		4.8 x 40	30.0-35.0		

Also available in steel, sealed, peel and grooved.

**More sizes available.  
Also available in  
stainless steel & steel  
& other finishes**



**RETURN TO  
CONTENTS PAGE**

## POP RIVETS - ALUMINIUM

**Blind rivets with an aluminium head and steel breaking mandrel.**

Rivets can fasten different materials with different types of manufacturing: **composites, laminate materials, heat treated etc.** • It does not deform surfaces after the riveting process is finished (painted, glazed surfaces etc) • Good resistance to temperature variations.

Diameter (mm)	Drill Size (mm)	Diameter (mm)	Drill Size (mm)
2.4	2.5	4.8	4.9
3.0	3.1	5.0	5.1
3.2	3.3	6.0	6.1
4.0	4.1	6.4	6.5

**More sizes available.  
Also available in  
stainless steel & steel  
& other finishes**



STRUCTURAL



COLOURED



PEEL



Buy Now



LARGE FLANGE



Buy Now



COUNTERSUNK



Buy Now



EXTRA LARGE FLANGE



RETURN TO  
CONTENTS PAGE

# POP RIVETS - STAINLESS STEEL

**Blind rivets with an stainless head and steel breaking mandrel.**

Rivets can fasten different materials with different types of manufacturing: composites, laminate materials, heat treated etc. • It does not deform surfaces after the riveting process is finished (painted, glazed surfaces etc) • Good resistance to temperature variations.



## STANDARD BLIND RIVET

Size (mm)	Grip Range (mm)	Size (mm)	Grip Range (mm)
2.4 x 6	1.0-3.0	4.8 x 8	1.5-4.0
3.0 x 6	1.0-3.0	4.8 x 10	4.0-6.0
3.0 x 8	3.0-5.0	4.8 x 12	6.0-8.0
3.0 x 10	5.0-7.0	4.8 x 14	8.0-9.5
3.0 x 12	7.0-9.0	4.8 x 16	9.5-11.0
		4.8 x 18	11.0-13.0
3.2 x 6	1.0-3.0	4.8 x 20	13.0-15.0
3.2 x 8	3.0-5.0	4.8 x 25	17.0-20.0
3.2 x 10	5.0-7.0	4.8 x 30	21.0-25.0
3.2 x 12	7.0-9.0		
3.2 x 15	9.0-12.0	5.0 x 12	6.0-8.0
4.0 x 6	1.0-2.5	6.4 x 12	4.0-6.0
4.0 x 8	2.5-4.5	6.4 x 15	6.0-9.0
4.0 x 10	4.5-6.5	6.4 x 18	9.0-13.0
4.0 x 12	6.5-9.5	6.4 x 20	13.0-16.0
4.0 x 16	9.5-12.0	6.4 x 25	16.0-20.0
4.0 x 18	11.0-13.0		
4.0 x 20	14.0-16.0		

## COUNTERSUNK HEAD 120°

Size (mm)	Grip Range (mm)
3.2 x 6	1.0-3.0
3.2 x 8	3.0-5.0
3.2 x 10	5.0-7.0
3.2 x 12	7.0-9.0
4.0 x 8	2.5-4.5
4.0 x 10	4.5-6.5
4.0 x 12	6.5-8.5
4.0 x 16	8.5-11.0
4.8 x 10	4.0-6.0
4.8 x 12	6.0-8.0
4.8 x 16	8.0-10.0
4.8 x 21	11.0-15.0
4.8 x 25	15.0-20.0

## EXTRA LARGE DOME HEAD

Size (mm)	Grip Range (mm)
4.0 x 8	2.5-4.5
4.0 x 10	4.5-6.5
4.0 x 13	6.5-9.5
4.0 x 16	9.5-12.0
4.8 x 10.5	2.5-5.0
4.8 x 13.5	5.0-8.5
4.8 x 17.2	8.0-12.0
4.8 x 20.5	12.0-15.5

Diameter	Drill Size	Diameter	Drill Size
2.4	2.5	4.8	4.9
3.0	3.1	5.0	5.1
3.2	3.3	6.0	6.1
4.0	4.1	6.4	6.5



**More sizes available. Also available in aluminium & steel & other finishes**

Also available in steel, sealed, peel and grooved.



## RESIN PRODUCTS - RESIN INJECTION

# Scell-it®



### RESIN CARTRIDGE GREY POLYESTER 300ml & 380ml

High performance polyester resin

**Used with:**

- Threaded rod M8 to M24 galvanized steel and stainless steel A4-70
- Nylon sleeve for use in hollow masonry

**Advantages:**

- Versatility: concrete (ATE option 7 / threaded rod M8 to M24) and masonry
- **For use indoors and well-ventilated area**
- Easy to extrude
- Temperature range:
  - From -40 ° C to + 40 ° C



### FIRST POLYESTER CHEMICAL RESIN STYRENE FREE 300ml & 410ml



Styrene-free polyester resin

**Used with:**

- Threaded rod M8 to M24 galvanized steel and stainless steel A4-70
- Nylon sleeve for use in hollow masonry

**Advantages:**

- Versatility: ETA concrete (with threaded rod M8 to M24), ETA solid and hollow masonry (M8 to M16)
- The ETA Masonry (13/0325) incorporates resistance values in 18 common materials of the French and European market, of which: hollow bricks "POROTHERM" (Wienerberger), concrete cellular and hollow cell, standard hollow block B40 ...
- **For use indoors**
- Easy to extrude
- Use in temperature range: - From -40 ° C to + 40 ° C For concrete and masonry.



RETURN TO  
CONTENTS PAGE

# RESIN PRODUCTS - RESIN INJECTION



## X-Pro VINYLESTER CHEMICAL RESIN



### Used with:

- M8 to M30 zinc-plated and A4-70 stain-threaded rod.
- Ø8 to Ø32 reinforcing bars
- Ø8 - Ø25 rebar connection

less steel

### Advantages:

- ETA x 2: Option 1 and Rebar
- M8 to M30 threaded rod and Ø8 to Ø32 reinforcing bars in cracked/non cracked concrete.
- Rebar connection (Ø8-Ø25)
- External and Internal Use
- Very high mechanical resistance
- Seismic Class C1 for sealing threaded rods (> M12) and reinforcing bars (> Ø12)
- Fire resistant (F180)
- Low odour

### Temperature range:

- From - 40°C to +80 °C for rebar connection
- From - 40°C to +80 °C for rebar connection
- From - 40°C to +120 °C for threaded rod



RETURN TO  
CONTENTS PAGE

## RESIN PRODUCTS - RESIN INJECTION



## VIPER XTREM VINYLESTER CHEMICAL RESIN

### Product description

High performance vinylester chemical mortar suitable for stud & rebar in wet or flooded holes and seismic conditions.

### Product promise

High performance multi application chemical mortar for cracked concrete and seismic conditions.

### Features and benefits

- ETA approval option 1 for cracked and non cracked concrete and seismic C1 (M8 to M30) and seismic C2 (M12 to M20)
- Application technical document (DTA) for rebar in seismic application
- Enhanced productivity with easy flow and usability from -10°C to + 40°C
- Approved in dry, humid and flooded holes
- Reduced product waste thanks to rigid cartridge
- Visual mixing control through transparent nozzle
- 18 months shelf life (used or unopened)
- Suitable for all drilling methods including diamond
- Odor free and no volatile organic compound ( rating A+)
- Fire approval



# RESIN PRODUCTS - RESIN ACCESSORIES



Code

\*RAMSHG101-SCCELL-IT



Buy Now

## RESIN INJECTION GUN SCELL-IT 380ml to 410ml - VI-P380

Weight: 1.20 kg  
Power: 4,500 N  
Dimensions: LxH = 320x80mm

## BLOW OUT PUMPS

For blowing out the dust after the holes have been brushed prior to the installation of the anchor.

Code

BLOWOUTPUMP



Buy Now



## HOLE CLEANING BRUSHES

A range of brushes for cleaning dust from holes prior to the fixing being installed.

Code	Diameter (mm)
*SPT06674-JCP	8
*SPT06675-JCP	10
*SPT06676-JCP	12
*SPT06677-JCP	16
*SPT06678-JCP	20



Buy Now



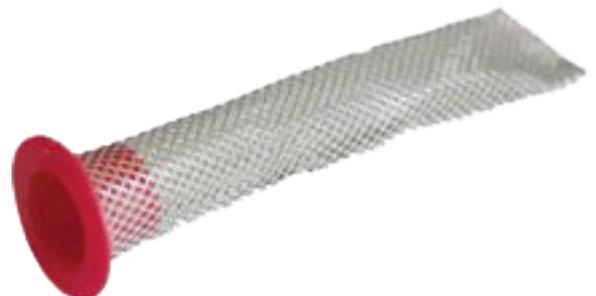
## WIRE MESH SLEEVES

Wire mesh sleeves are used during installation of studs into hollow substrates or substrates with voids.

Code	Diameter (mm)
JMMSM08	8
JMMSM10	10
JMMSM12	12
JMMSM16	16
JMMSM20	20



Buy Now



RETURN TO  
CONTENTS PAGE

ZINC YELLOW

## CHEMICAL FIXINGS

### RESIN STUDS

- Structural steel anchoring • Balustrades
- Steel bracketry • Guardrails • Substrates



Size	Max Fixture Thickness(mm)	Size (mm)	Max Fixture Thickness(mm)	Size (mm)	Max Fixture Thickness(mm)	Size (mm)	Max Fixture Thickness(mm)
Zinc		Galvanised		A2 Stainless Steel		A4 Stainless Steel	
M8 x 110	15	M8 x 110	15	M10 x 130	20	M8 x 110	15
M10 x 130	20	M10 x 130	20	M12 x 160	25	M10 x 130	20
M12 x 160	25	M12 x 160	25	M16 x 190	35	M12 x 160	25
M16 x 190	35	M16 x 190	35	M24 x 300	63	M16 x 190	35
M16 x 250	-	M20 x 260	65			M20 x 260	65
M20 x 260		M24 x 300					
M24 x 300							

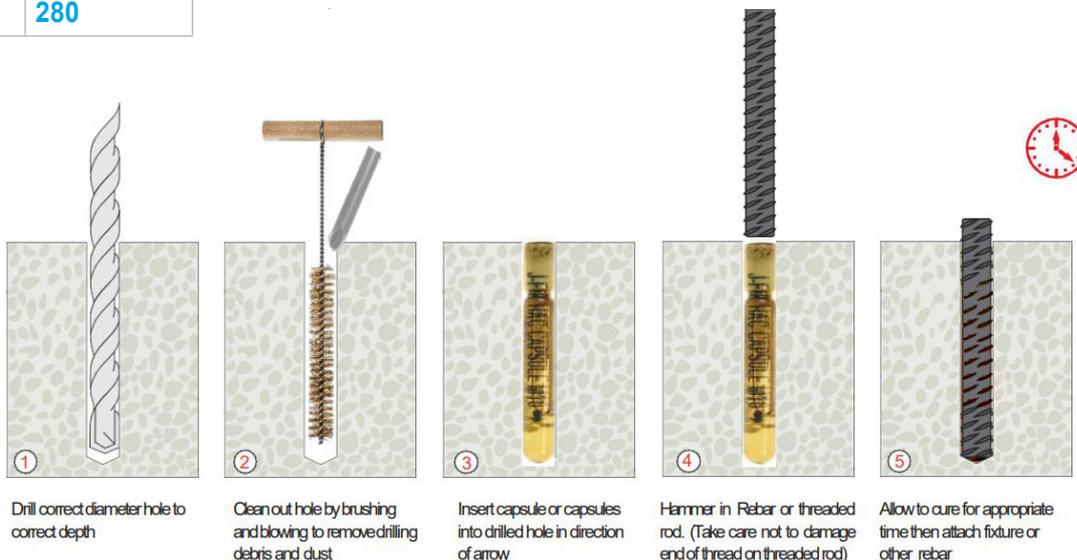
Size (mm)	Drill Depth (mm)
M8	80
M10	90
M12	110
M16	125
M20	170
M24	210
M30	280

### RESIN CAPSULES



- Structural steel anchoring • Safety barriers
- Balustrades • Curtain wall • Guard rails
- High end production lines

High performance fast setting all in one, easy to use complete system. Ideal for installation in wet and damp conditions. 18 months shelf life



RETURN TO CONTENTS PAGE

ZINC YELLOW

STAINLESS STEEL

GALVANISED

# THROUGH BOLTS

The Throughbolt is the ultimate “through fixing” with the hole diameter as the bolt diameter. It is ideal for bolting in place awkward fixtures without the need for marking out, removal and repositioning. It is a torque controlled anchor suitable for use in concrete over C20/25 strength. Sizes shown are in zinc/zinc yellow.

 [Buy Now](#)

## Range Data

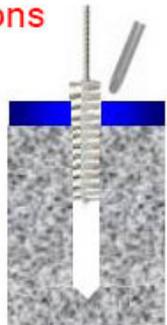
Part Number	Thread Diam	Anchor Length	Hole Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Thread Length	Embedment Depth	Minimum Hole Depth	Structure Thickness	Installation Torque
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm
TB06045	6	45	6	5	7	20	30	35	100	6
TB06055		55		15		30				
TB06085		85		45		60				
TB08050	8	50	8	5	9	20	35	40	100	10
TB08065		65		20		35				
TB08080		80		35		50				
TB08100		100		55		70				
TB08130		130		85		85				
TB10065	10	65	10	8	12	25	45	50	125	28
TB10075		75		18		35				
TB10090		90		33		50				
TB10100		100		43		50				
TB10120		120		63		80				
TB10150		150		93		80				
TB10175	175	118	80							
TB12080	12	80	12	5	14	30	60	65	170	34
TB12100		100		25		50				
TB12120		120		45		70				
TB12140		140		65		90				
TB12180		180		105		90				
TB16105	16	105	16	10	18	60	75	85	200	85
TB16125		125		30		65				
TB16150		150		55		90				
TB16175		175		80		90				
TB16220		220		125		90				
TB20130	20	130	20	20	22	60	85	100	240	160
TB20160		160		50		60				
TB20215		215		105		60				
TB24180	24	180	24	45	26	65	105	120	300	280
TB24260		260		125		65				



### Installation Instructions



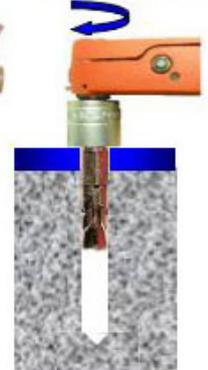
Position fixture and drill correct diameter hole to correct depth



Clean hole by brushing and blowing to remove all dust and drilling debris



Insert assembled anchor through fixture into concrete



Tighten with torque wrench to recommended torque

**More sizes available. Also available in stainless steel & galvanised**

 [RETURN TO CONTENTS PAGE](#)

ZINC YELLOW

STAINLESS STEEL

GALVANISED

## SLEEVE ANCHORS

All purpose expansion anchor for use in low weight applications in non-cracked concrete. It is a through fixing, thus allowing the hole in the substrate to be drilled through the pre-positioned fixture, eliminating the need for marking out, ensuring fast and simple installation.

Available in zinc, zinc yellow and stainless steel.

Also available in countersunk.



### HEX BOLT

#### Range Data

Part Number	Outside/ Drill Diam	Anchor Length	Thread Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Embedment Depth	Minimum Hole Depth	Structure Thickness	Installation Torque
mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm
SLB08045	8	40	6	2	9	40	45	100	10
SLB08070		65		25					
SLB08090		90		45					
SLB10045	10	45	8	5	12	40	45	100	20
SLB10055		55		15					
SLB10080		75		30		45	50		
SLB10100		95		50					
SLB12065	12	60	10	5	14	50	65	100	35
SLB12080		75		20					
SLB12100		95		40					
SLB12125		115		65					
SLB16075	16	65	12	5	18	55	65	100	45
SLB16110		100		40					

### HEX NUT

#### Range Data

Part Number	Outside/ Drill Diam	Anchor Length	Thread Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Embedment Depth	Minimum Hole Depth	Structure Thickness	Installation Torque
mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm
SLN08040	8	40	6	5	9	30	35	100	10
SLN08065		65		30		40			
SLN08085		80		45		40			
SLN10050	10	45	8	5	12	40	45	100	20
SLN10075		70		30					
SLN10100		95		55					
SLN10125		120		80					
SLN12060	12	60	10	15	14	45	50	100	35
SLN12075		70		20					
SLN12100		95		50		50	60		
SLN12125		120		65					
SLN16065	16	65	12	10	18	50	60	100	45
SLN16110		105		50		65			
SLN16150		150		90					
SLN20080	20	75	16	15	22	60	70	100	70
SLN20110		100		45					
SLN20150		140		85					



RETURN TO CONTENTS PAGE

ZINC YELLOW

# SHIELD ANCHORS

**LOOSE BOLTS** Suitable for use in brick & concrete. The thick walls of the expanders give the anchor its exceptional grip & allows it to cater for oversized holes caused by powerful drills in weaker materials such as brick work.



[Buy Now](#)

Range Data									
Part Number	Thread Diam	Length Under Head	Hole Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Embedment Depth	Minimum Hole Depth	Structure Thickness	Installation Torque
	mm	mm	mm	mm	mm	mm	mm	mm	Nm
ALB0610	6	55	12	5	7	45	50	100	6
ALB0625		70		15					
ALB0640		85		45					
ALB0810	8	60	14	5	9	50	55	100	14
ALB0825		75		20					
ALB0840		90		35					
ALB1010	10	70	16	8	12	60	65	120	27
ALB1025		85		18					
ALB1050		110		33					
ALB1075		135		43					
ALB1210	12	85	20	5	14	75	85	160	46
ALB1225		100		25					
ALB1240		115		45					
ALB1260		135		65					
ALB1615	16	135	25	10	18	110	125	200	110
ALB1630		150		30					
ALB1660		180		55					



**PROJECTION BOLTS** Suitable for use in brick and concrete. The thick walls of the expanders give the anchor its exceptional grip & allows it to cater for oversized holes caused by powerful drills in weaker materials such as brick work.



[Buy Now](#)

Range Data									
Part Number	Thread Diam	Overall Length	Hole Diam	Maximum Fixture Thickness	Fixture Clearance Hole	Embedment Depth	Minimum Hole Depth	Structure Thickness	Installation Torque
	mm	mm	mm	mm	mm	mm	mm	mm	Nm
APB0610	6	60	12	10	7	45	50	100	6
APB0625		75		25					
APB0650		100		50					
APB0815	8	75	14	15	9	50	55	100	14
APB0840		100		40					
APB0880		140		80					
APB1010	10	80	16	10	12	60	65	120	27
APB1030		100		30					
APB1050		120		50					
APB1070		140		70					
APB1215	12	100	20	15	14	75	85	160	46
APB1225		110		25					
APB1250		135		50					
APB1270		155		70					
APB1635	16	160	25	35	18	110	125	200	110



[RETURN TO CONTENTS PAGE](#)

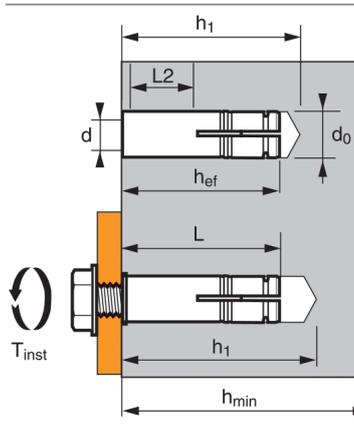
ZINC YELLOW

## DROP IN ANCHORS



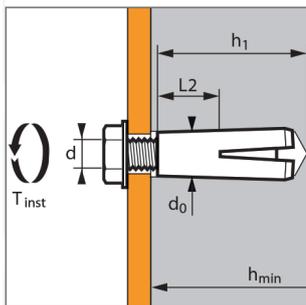
### TECHNICAL DATA - GRIP & GRIP LIP ZINC

Deformation-controlled expansion female anchor. SETTING TOOLS ALSO AVAILABLE.



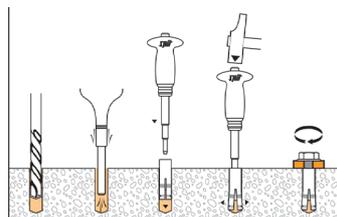
Size (mm)	Anchor Depth (mm)	Ø Thread (mm)	Thread Length (mm)	Drilling Depth (mm)	Ø Thread (mm)	Min Thick Of Base Material (mm)	Total Anchor Length (mm)	Max Tighten Torque (Nm)
	hef	d	L2	h1	d0	hmin	L	Tinst
M6 x 25	25	6	10	28	8	100	25	5
M6 x 30	30	6	13	32	8	100	30	5
M7 x 30	30	7	13	33	10	100	30	10
M8 x 30	30	8	12	33	10	100	30	10
M10 x 30	30	10	11	33	12	100	30	22
M10 x 40	40	10	15	43	12	100	40	12
M12 x 50	50	12	21	54	15	100	50	36
M16 x 65	65	16	28	70	20	130	65	80

### TECHNICAL DATA - GRIP SA A4

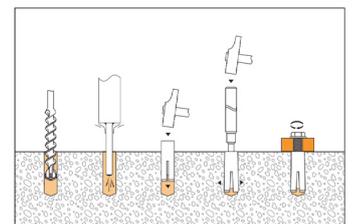


Size (mm)	Anchor Depth (mm)	Ø Thread (mm)	Thread Length (mm)	Drilling Depth (mm)	Ø Thread (mm)	Min Thick Of Base Material (mm)	Total Anchor Length (mm)	Max Tighten Torque (Nm)
	hef	d	L2	h1	d0	hmin	L	Tinst
M6 x 30	30	6	13	32	8	100	30	5
M8 x 30	30	8	13	32	10	100	30	10
M10 x 40	40	10	15	42	12	100	40	22
M12 x 50	50	12	18	53	15	100	50	36
M16 x 65	65	16	23	70	20	100	65	80

### INSTALLATION INSTRUCTIONS ZINC



### INSTALLATION INSTRUCTIONS A4



Applications: • Pipes, Cable trays, Suspended ceilings, Hand rails, Stadium seating, Mechanical & electrical services, Push pull bars, Sprinkler systems

GRIP A4 Stainless



GRIP LIP



GRIP



GRIP SETTING TOOL



Buy Now



Buy Now



Buy Now



Buy Now



RETURN TO CONTENTS PAGE



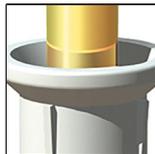
# FRAME FIXINGS

Size(mm)	Max FT (mm)
8 x 60	-
8 x 80	40
8 x 100	60
8 x 120	80
8 x 135	-
8 x 160	-
10 x 60	-
10 x 80	30
10 x 100	50
10 x 120	70
10 x 135	-
10 x 160	110

## NYLON FRAMEFIX ANCHOR 603



For the attachment of timber frames, battens, windows and similar wood products to concrete and masonry.



Zinc plated and yellow passivated (3-5 microns). Anti-rotation lugs to prevent the fixing from turning during installation.



Tough Durable Nylon Sleeve.



**GET IT IN A HANDY BAG**



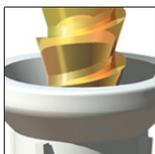
Size (mm)
8 x 80
8 x 100
10 x 100
10 x 120

Size(mm)	Max FT (mm)
5 x 30	5
5 x 40	-
5 x 50	5
6 x 32	-
6 x 40	15
6 x 42	-
6 x 50	25
6 x 60	35
6 x 70	45
6 x 80	55
8 x 60	20
8 x 80	40
8 x 100	60
8 x 120	80
8 x 135	-
10 x 100	-

## NYLON HAMMERFIX 622



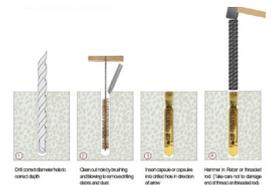
A light duty hammer-set through fixing for masonry.



Ideal for interior timberwork such as battens, frames, wall linings, thermal board etc.



The hammer in screw eliminates the need to use a screwdriver and makes for a quick installation. Can also be removed with a screwdriver.



Size (mm)
6 x 40
6 x 60
6 x 80
10 x 120

**GET IT IN A HANDY BAG**

Size(mm)	Max FT (mm)
8 x 100	50
8 x 120	70
8 x 140	90
10 x 75	-
10 x 100	50
10 x 120	70
10 x 140	90

## WINDOW FRAME ANCHOR 606



A nylon sleeve anchor for fixing all door and window frames especially sectional frames of uPVC & aluminium, to concrete, dense concrete blocks & brickwork including perforated bricks.



## COLLATED NAILS - FIRST FIX

### FIRMAHOLD NAILS

Designed for the fixing of timber and timber framing using various types of pneumatic and cordless application tools.

- A comprehensive range of sizes are available in a choice of rust protection, including stainless steel.
- Stainless steel must be used where there is a corrosive environment and/or where the base material has inherent corrosive characteristics, eg: green oak or cedar.
- Offered with or without fuel cells, FirmaHold clipped head collated nails provide a first class solution to a wide range of timber applications.

The TIMco FirmaHold Collated Clipped Head Nails carry the mark in compliance with the Construction Products Regulations (Eurocode 5 EN1995-1-1) and have been independently tested by BM TRADA



Part Number	Size (mm)	Contains	Shank Type
<b>Galvanised</b>			
CPLT50G	50 x 2.8	3300 Nails & 3 Fuel Cells	Ring
CPLT63G	63 x 2.8	3300 Nails & 3 Fuel Cells	Ring
CPLT75G	75 x 3.1	2200 Nails & 2 Fuel Cells	Ring
CPLT90G	90 x 3.1	2200 Nails & 2 Fuel Cells	Plain
CPLT63RG	63 x 3.1	3300 Nails & 3 Fuel Cells	Ring
CPLT90PG	90 x 3.1	2200 Nails & 2 Fuel Cells	Part Ring
CPLT50	50 x 2.8	3300 Nails	Ring
CPLT63	63 x 2.8	3300 Nails	Ring
CPLT75	75 x 3.1	2200 Nails	Ring
CPLT90	90 x 3.1	2000 Nails	Plain

Part Number	Size (mm)	Contains	Shank Type
<b>Stainless Steel</b>			
CSSR50	50 x 2.8	1100 Nails	Ring
CSSR50G	50 x 2.8	1100 Nails & 1 Fuel Cell	Ring
CSSR63	63 x 2.8	1100 Nails	Ring
CSSR63G	63 x 2.8	1100 Nails & 1 Fuel Cell	Ring



Various levels of rust protection to comply with building regulations & meets with all service classes.

Diamond Point for maximum penetration.

34° collation angle. Clipped head to increase the number of nails per strip and therefore reduce tool loading times.



# COLLATED NAILS - FIRST FIX



## IM360 PASLODE NAILS

Paslode nails to suit IM360i or IM90i nail guns. ProStrip paper collated nails provide high holding power and ease of drive. Nail strips will not break when dropped and will not deteriorate in wet weather.

Applications: timber frame erections, floor boarding, decking, flat roofing, chipboard, shuttering, cladding, joists, noggins, shuttering refurbishment, panelling, fencing & packaging



Part Number	Size (mm)	Contains	Finish
142005	51 x 2.8	3750 Nails & 3 Fuel Cells	Bright
142007	51 x 2.8	3750 Nails & 3 Fuel Cells	Galvanised
142013	63 x 2.8	3750 Nails & 3 Fuel Cells	Galvanised
142024	63 x 3.1	2500 Nails & 2 Fuel Cells	Galvanised
142025	63 x 3.1	2500 Nails & 2 Fuel Cells	HDGV
142029	75 x 3.1	2500 Nails & 2 Fuel Cells	Bright
142030	75 x 3.1	2500 Nails & 2 Fuel Cells	Galvanised
142036	90 x 3.1	2500 Nails & 2 Fuel Cells	Bright
142037	90 x 3.1	2500 Nails & 2 Fuel Cells	Galvanised
142038	90 x 3.1	2500 Nails & 2 Fuel Cells	Galvanised
142039	90 x 3.1	2500 Nails & 2 Fuel Cells	HDGV
142045	51 x 2.8	1250 Nails & 1 Fuel Cell	Stainless Steel
142047	63 x 2.8	1250 Nails & 1 Fuel Cell	Stainless Steel
142050	80 x 3.1	1250 Nails & 1 Fuel Cell	Stainless Steel
142062	51 x 2.8	1250 Nails & 1 Fuel Cell	Galvanised



## PPN 35CI NAILS

Three times faster than using a hammer and nails.



Code	Size (mm)	Contains	Finish
141185	3.4 x 35	2500	Galvanised



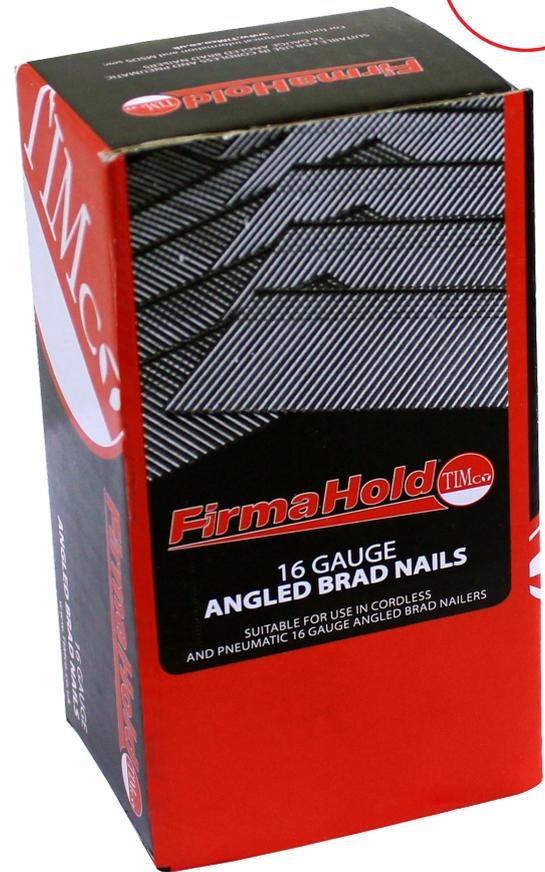
## COLLATED NAILS - SECOND FIX



### FIRMAHOLD BRADS ANGLED

Available in a wide variety of sizes for your second fix application using various types of pneumatic and cordless application tools.

- Manufactured to conform with EN792-13:2000 7.2.1a and comply with the requirements of all major tool manufacturers.
  - A comprehensive range of sizes is included, covering 16 gauge brads.
  - Offered with or without fuel cells, FirmaHold brads collated nails provide a first class solution.
- Available in galvanized & A2 stainless steel.



Part Number	Type	Size (mm)	Contains	Finish
ABG1632	Angled	32 x 16g	2000 Nails	Galvanised
ABG1632G	Angled	32 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
ABG1638	Angled	38 x 16g	2000 Nails	Galvanised
ABG1638G	Angled	38 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
ABG1645	Angled	45 x 16g	2000 Nails	Galvanised
ABG1645G	Angled	45 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
ABG1650	Angled	50 x 16g	2000 Nails	Galvanised
ABG1650G	Angled	50 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
ABG1664	Angled	64 x 16g	2000 Nails	Galvanised
ABG1664G	Angled	64 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
ABSS1638	Angled	38 x 16g	2000 Nails	A2 Stainless Steel
ABSS1638G	Angled	38 x 16g	2000 Nails & 2 Fuel Cells	A2 Stainless Steel
ABSS1650	Angled	50 x 16g	2000 Nails	A2 Stainless Steel
ABSS1650G	Angled	50 x 16g	2000 Nails & 2 Fuel Cells	A2 Stainless Steel

# COLLATED NAILS - SECOND FIX



## FIRMAHOLD BRADS STRAIGHT

Available in a wide variety of sizes for your second fix application using various types of pneumatic and cordless application tools.

- Manufactured to conform with EN792-13:2000 7.2.1a and comply with the requirements of all major tool manufacturers.
- A comprehensive range of sizes is included, covering 16 and 18 gauge brads.
- Offered with or without fuel cells, FirmaHold brads collated nails provide a first class solution.

Available in galvanised & A2 Stainless Steel



Part Number	Size (mm)	Contains	Finish
BG1632	32 x 16g	2000 Nails	Galvanised
BG1632G	32 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
BG1638	38 x 16g	2000 Nails	Galvanised
BG1638G	38 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
BG1645	45 x 16g	2000 Nails	Galvanised
BG1645G	45 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
BG1650	50 x 16g	2000 Nails	Galvanised
BG1650G	50 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
BG1664	64 x 16g	2000 Nails	Galvanised
BG1664G	64 x 16g	2000 Nails & 2 Fuel Cells	Galvanised
BG1816	16 x 18g	5000 Nails	Galvanised
BG1819	19 x 18g	5000 Nails	Galvanised
BG1825	25 x 18g	5000 Nails	Galvanised
BG1832	32 x 18g	5000 Nails	Galvanised
BG1838	38 x 18g	5000 Nails	Galvanised
BG1845	45 x 18g	5000 Nails	Galvanised
BG1850	50 x 18g	5000 Nails	Galvanised
BSS1638	38 x 16g	2000 Nails	A2 Stainless Steel
BSS1638G	38 x 16g	2000 Nails & 2 Fuel Cells	A2 Stainless Steel
BSS1650	50 x 16g	2000 Nails	A2 Stainless Steel
BSS1650G	50 x 16g	2000 Nails & 2 Fuel Cells	A2 Stainless Steel
BSS1664G	64 x 16g	2000 Nails & 2 Fuel Cells	A2 Stainless Steel
BSS1825	25 x 18g	5000 Nails	A2 Stainless Steel
BSS1832	32 x 18g	5000 Nails	A2 Stainless Steel
BSS1838	38 x 18g	5000 Nails	A2 Stainless Steel
BSS1850	50 x 18g	5000 Nails	A2 Stainless Steel



## COLLATED NAILS - SECOND FIX

### PASLODE BRADS - STRAIGHT & ANGLED



16 Gauge Paslode 2nd Fix Straight Nails, electro galvanised to protect against rust making them suitable for outdoor use.

Recommended for the use with the Hitachi NT65GS, Bostitch GFN1664KU and Paslode IM65 and IM250 Brad Nailers.

High quality manufacture with specific glue designed not to fracture into pieces if accidentally dropped.

**Contains 2000 brad nails  
and 2 fuel cells.**



Part Number	Size (mm)	Finish	Associated Tool	Type
300270	32 x F16	Galvanised	IM65A	Angled
300271	38 x F16	Galvanised	IM65A	Angled
300272	45 x F16	Galvanised	IM65A	Angled
300273	51 x F16	Galvanised	IM65A	Angled
300274	63 x F16	Galvanised	IM65A	Angled
300276	32 x F16	A2 Stainless Steel	IM65A	Angled
300277	38 x F16	A2 Stainless Steel	IM65A	Angled
300279	50 x F16	A2 Stainless Steel	IM65A	Angled
921585	16 x F16	Galvanised	IM65/IM250	Straight
921586	19 x F16	Galvanised	IM65/IM250	Straight
921587	25 x F16	Galvanised	IM65/IM250	Straight
921588	32 x F16	Galvanised	IM65/IM250	Straight
921589	38 x F16	Galvanised	IM65/IM250	Straight
921590	45 x F16	Galvanised	IM65/IM250	Straight
921591	50 x F16	Galvanised	IM65/IM250	Straight
921592	63 x F16	Galvanised	IM65/IM250	Straight
921593	25 x F16	A2 Stainless Steel	IM65/IM250	Straight
921594	38 x F16	A2 Stainless Steel	IM65/IM250	Straight
921595	50 x F16	A2 Stainless Steel	IM65/IM250	Straight
921596	63 x F16	A2 Stainless Steel	IM65/IM250	Straight



# NAILS - ROUND WIRE & SQUARE TWIST

Size mm / gauge	Size mm / gauge	Size mm / gauge
Bright	Galvanised	Stainless Steel
20 x 1.6	25 x 1.8	40
25 x 1.8	30 x 2.0	50
25 x 2.0	30 x 2.36	65
30 x 2.36	40 x 2.36	75 x 3.75
40 x 2.36	40 x 2.65	100 x 4.0
40 x 2.65	50 x 2.65	150 x 6.0
50 x 2.36	65 x 2.65	
50 x 2.65	65 x 3.35	
50 x 3.35	75 x 3.35	
60 x 2.65	75 x 3.75	
65 x 2.65	100 x 4.0	
65 x 3.35	100 x 4.5	
75 x 3.75	125 x 5.0	
100 x 4.0	125 x 5.6	
100 x 4.5	150 x 6.0	
125 x 5.0		
125 x 5.6		
150 x 6.0		

A general purpose nail. Usually around 50mm of timber substrate is required to get a secure anchoring, although this will depend on the weight & thickness of what is being fixed.

**Available in boxes of 25kg**



**Also Available in Handy 1kg Bags & Handy 2.5kg Tubs**

## TWIST NAILS

Twisted shank nail with round head. Recommended for fixing builders metalwork such as joist hangers, nail plates, restraint straps etc.



Size (mm)
Galvanised
30 x 3.75
40 x 3.75

**Available in Handy 1kg Bags, Handy 2.5kg Tubs & 25kg Box**



**RETURN TO CONTENTS PAGE**

## NAILS - CLOUTS

**CLOUTS** A popular large headed general purpose nail. The larger head stops any pull through on the material being fixed. Applications include securing roofing felt, wire fencing and roofing slates. **Available in Boxes of 25kg.**

Size mm / gauge	Size mm / gauge	Size mm / gauge
Aluminium	Galvanised	Copper
25 x 2.65	20 x 2.65	25 x 2.65
25 x 3.35	25 x 2.65	25 x 3.35
30 x 2.65	30 x 2.65	30 x 2.65
30 x 3.00	30 x 3.00	30 x 3.35
30 x 3.35	40 x 2.36	32 x 3.00
38 x 2.65	40 x 2.65	38 x 2.65
38 x 3.00	40 x 3.35	38 x 3.35
38 x 3.35	50 x 2.65	40 x 3.65
40 x 2.65	50 x 3.35	50 x 3.35
40 x 3.35	65 x 2.65	65
45 x 3.35	65 x 3.75	75
50 x 2.65	75 x 3.75	
50 x 3.00	100 x 4.5	
50 x 3.35		
60 x 3.35		
65 x 3.35		



**Also Available in Handy 1kg Bags & Handy 2.5kg Tubs**



**RETURN TO  
CONTENTS PAGE**

# NAILS - LARGE HEAD CLOUT & LOST HEAD

## EXTRA LARGE HEAD CLOUTS

Suitable for roofing or holding insulation board in place.

Available in boxes of 25kg.

Size mm / gauge
Galvanised
13 x 3.0
15
20 x 3.00
25 x 3.00
30 x 3.00
40 x 3.00
50 x 3.00



Also Available in Grab 1kg Bags & Handy 2.5kg Tubs

## LOST HEAD

A general purpose nail. The nail head virtually disappears when punched below the timber surface, making them ideal for decorative type applications. The shape of the nail helps to prevent splitting of hard or brittle timber.

Available in boxes of 25kg. Other quantities available.

Size mm / gauge	Size mm / gauge	Size mm / gauge
Bright	Sheradised	Stainless Steel
40 x 2.36	40 x 2.36	40
50 x 2.65	50 x 2.65	50 x 2.65
50 x 3.0	65 x 3.35	65 x 3.35
60 x 3.35	75 x 3.75	
65 x 3.35	100 x 4.5	
75 x 3.75		
100 x 4.0		



Also Available in Handy 1kg Bags & Handy 2.5kg Tubs



RETURN TO CONTENTS PAGE

## NAILS - ANNULAR RING

### ANNULAR RING

Rings on the shank for extra withdrawal resistance. Often used in the making of pallets or fastening floor sheets. Can be used for fastening MDF and plywood. Best used when it is unlikely the nail will have to be removed at a later date.

Available in boxes of 25kg. Other quantities available.

Size mm x guage	Size mm x guage	Size mm x guage
Bright	Sheradised	Stainless Steel
20 x 2.0	25 x 2.00	20 x 3.35
25 x 2.0	30 x 2.36	25
30 x 2.36	40 x 2.36	30 x 2.65
40 x 2.36	40 x 2.65	30 x 3.35
40 x 2.65	50 x 2.65	32 x 2.65
50 x 2.65	60 x 3.35	35 x 2.65
50 x 3.35	65 x 3.35	40 x 2.65
60 x 3.35	75 x 3.35	45 x 2.65
65 x 3.35	75 x 3.75	50
75 x 3.75	90 x 3.75	65
100 x 5.0	100 x 5.0	75 x 3.35
125 x 5.0		100 x 3.75
		100 x 4.0
		150 x 4.5



Size mm x guage	Type	Size mm x guage	Type	Size mm x guage	Type
Bright		Sheradised		Stainless Steel	
20 x 2.0	1KG Bag	40 x 2.65	1KG Bag	40 x 2.65	1KG Bag
20 x 2.0	2.5KG Tub	50 x 2.65	1KG Bag	50 x 2.65	1KG Bag
25 x 2.0	1KG Bag	50 x 2.65	2.5KG Tub	65 x 3.35	1KG Bag
25 x 2.0	2.5KG Tub	65 x 3.35	1KG Bag	75 x 3.35	1KG Bag
30 x 2.36	1KG Bag	75 x 3.75	1KG Bag	100 x 4.5	1KG Bag
30 x 2.36	2.5KG Tub	100 x 5.0	1KG Ba		
40 x 2.36	1KG Bag				
40 x 2.36	2.5KG Tub				
50 x 2.65	1KG Bag				
50 x 2.65	2.5KG Tub				
65 x 3.35	1KG Bag				
65 x 3.35	2.5KG Tub				
75 x 3.75	1KG Bag				

Also Available in Handy Bag Or Tub



RETURN TO CONTENTS PAGE

# CARTRIDGE STRIPS & DISCS

## NAILS - SHUREDRIVE



The ShureDrive™ Drive Anchor is an all metal light duty, impact setting, interference fit anchor, designed for tamper resistant use in a variety of substrates such as concrete, stone, solid brick, solid block, hollow brick, hollow block and hollow slab.

- Hammer-in method makes installation quick and easy.
- Full expansion of the anchor is evident when the head of the expansion nail sits flush with the flange.
- Once fully set, the ShureDrive™ becomes tamper resistant.
- The anchor's large flange prevents pullout.

Optional A4 316 Stainless Steel Nail in some sizes



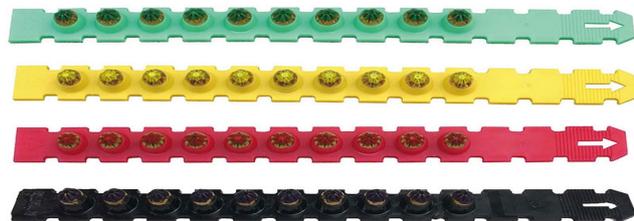
Size mm	P/N
6 x 65	0665ZNA

## CARTRIDGE STRIPS

Strip cartridges to suit PA97 and other strip fed tools.



Colour	P/N	Boxed Quantity
Black	V7BLKLVS27	100
Green	V3LVS27G	100
Red	V6REDLVS27	100
Yellow	V4LVS27Y	100



## CARTRIDGE DISCS

Disc cartridges to spit P370 tool.

**Applications:** Formwork, wood to concrete, waterproof membranes, drywall track, deflection headers, insulation panels, steel grating & brick ties.



Colour	Type	Size (mm)	Boxed Qty	P/N
Brown	Very Low	6.3 x 10	100	03174
Green	Low	6.3 x 10	100	03160
Yellow	Medium	6.3 x 10	100	03170
Red	High	6.3 x 10	100	011658



RETURN TO  
CONTENTS PAGE

## CARTRIDGE & MASONRY NAILS

### MASONRY NAILS

- Hardened steel nails capable of being driven into masonry, concrete or brickwork.
- Ideal for fixing wall batten, picture or dado rails.
- Flat head.
- Zinc plated for medium duty rust protection.
- **BOXED IN 100s**

Size mm	Size mm	Size (mm)	Size (mm)
2.5 x 25	2.5 x 50	3 x 65	3.5 x 100
2.5 x 30	3 x 40	3.5 x 65	
2.5 x 35	3 x 50	3.5 x 75	
2.5 x 40	3 x 60	3.5 x 85	



### CARTRIDGE NAILS - METAL WASHER DRIVE PINS

Metal washered drive pins are suitable for use in the PA97 and DX450 cartridge tools. They have a 12mm steel washer for guidance within the tool and increased pull-over strength when fixing softer materials such as wood.

- **BOXED IN 100s**

Size mm	P/N	Size mm	P/N	Size (mm)	P/N
3.7 x 16	VMW16	3.7 x 32	VMW32	3.7 x 52	VMW52
3.7 x 19	VMW19	3.7 x 37	VMW37	3.7 x 57	VMW57
3.7 x 22	VMW22	3.7 x 42	VMW42	3.7 x 62	VMW62
3.7 x 27	VMW27	3.7 x 47	VMW47	3.7 x 72	VMW72



### CARTRIDGE NAILS - PLASTIC WASHER DRIVE PINS

Plastic washered drive pins are suitable for use in 8mm cartridge tools. They have an 8mm plastic washer for guidance within the tool.

- **BOXED IN 100s**

Size mm	P/N	Size mm	P/N	Size (mm)	P/N
3.7 x 16	VPW16	3.7 x 32	VPW32	3.7 x 52	VPW52
3.7 x 19	VPW19	3.7 x 37	VPW37	3.7 x 57	VPW57
3.7 x 22	VPW22	3.7 x 42	VPW42	3.7 x 62	VPW62
3.7 x 27	VPW27	3.7 x 47	VPW47	3.7 x 72	VPW72



RETURN TO  
CONTENTS PAGE

# CARTRIDGE NAILS COLLATED

## COLLATED CARTRIDGE NAILS C9

- Standard collated pins for concrete & stone.
- Versatile standard quality pins.
- Supplied with one rubber spring in each box.



P/N	Size mm	Quantity
011330	20	500
011331	25	500
011332	30	500
011333	35	500
011334	40	300
011335	50	300
011337	55	300
011336	60	300

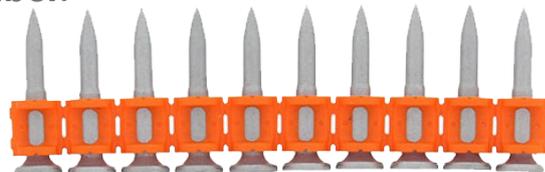


## COLLATED CARTRIDGE NAILS SC9

- High performance collated pins for steel, hard & pre-stressed concrete.
- Best in class pins, ensuring excellent success rate.
- For fixing of building connectors to timber.



P/N	Size mm	Quantity
011340	15	500
011341	20	500
011342	25	500
011343	30	500
011344	35	500
011345	40	300
011346	50	300
011347	60	300



RETURN TO  
CONTENTS PAGE

## POPULAR FIXINGS

### WIRE HANGERS



INTENDED FOR FIXING IN CONCRETE SOFFIT, ENABLING A SUSPENDED GRID SYSTEM TO BE CREATED WITH THE HELP OF A SUSPENDED WIRE COIL.

Size / Part number
6mm / T06055WH

SIMPLE TO FIX, INSTALL AND USE.

### POLYMER HEADED PINS



A coloured poly headed marine grade stainless steel pin or nail designed to secure fascia, soffit and window boards.

Size (mm)	Colour
25	White, Brown, Mahogany
30	White, Black, Mahogany, Green
40	White, Mahogany

### DRIVA SCREWS



- The original self-drilling plasterboard fixing.
- No need for pre-drilling.
- Unique thread design ensures the optimum fixing.
- Aggressive nose creates fast initial grab.
- Adjustable screw depth offers flexible installation.



Size / Part Number
TP12 / 059360



### HOLLOW WALL ANCHOR

Enables a strong fixing point on hollow materials or cavities. Suitable for fixing to plasterboard and fibreboard. Setting tool also available.

Sold in boxes of 100

Size (mm)	Size (mm)
4 x 25	5 x 45
4 x 40	5 x 60
4 x 45	5 x 70
4 x 50	6 x 60
4 x 65	6 x 70



### SETTING TOOL



Part Number
*PROPCFST-JCP

## POPULAR FIXINGS

### ZIP-FIX TIES

A heavy duty hollow wall anchor for use in plasterboard, most hollow concrete blocks, cavity walls and ceilings.

**Sold in packs of 10.**



Size mm / Part number

6 x 40/60 - ZIP6



[Buy Now](#)

### SPRING TOGGLES

- The long screw of the toggle fixing allows use in boards of various thicknesses and with thick attachments, offering maximum flexibility.

- Wide transition beams ensure a good load distribution allowing high load-bearing capacity.

- Allows easy installation for fastenings behind thick panels in very flat cavities.

- Self-acting anchor with easy installation.

Suitable for overhead applications.



Size mm	Size mm
3 x 50	5 x 100
5 x 50	6 x 60
5 x 75	6 x 75
5 x 80	6 x 80



[Buy Now](#)

### SCREW EYES

Screw eyes with wood screw thread. These items will screw into masonry holes with rawl plugs fitted or directly into wood. We recommend that you drill a pilot hole (a smaller preliminary hole) before screwing into wood. Suitable for single or double layered plasterboard.

Installed using manual or electrical tools.

**Zinc plated**



Size mm	Size mm	Size mm
4 x 25	8 x 40	18 x 75
6 x 30	10 x 45	
6 x 65	12 x 55	
8 x 35	14 x 65	



[Buy Now](#)

### MODESTY BLOCKS

Modesty blocks are for making easy joint fixing of cabinet panels. Knock-down fittings are those that can be put together easily, normally using only a screw driver and other basic tools. They are temporary joints although many are used to permanently join together items such as cabinets and other pieces of furniture that are purchased in a flat pack.

Colour
Beige
Beech
Brown
Grey
White



[Buy Now](#)



[RETURN TO CONTENTS PAGE](#)

## POPULAR FIXINGS

### INSULATION ANCHORS

- Hammer-in anchor with plastic nail for fixing expanded polyester (EPS) & mineral insulation boards in ETICS systems.
- Pre-assembled hammer-in insulation anchor designed for quick and easy installation.
- Suitable for thick insulation boards.
- Sealing ring prevents passage of moisture through anchor body.



Maximum Insulation Thickness (mm)	Part Number
30	05760
60	05761
80	05762
100	05763
120	05764

Maximum Insulation Thickness (mm)	Part Number
145	057650
165	057651
185	057652
205	057653

### RAWL RUBBER NUTS

- Our Rawlnut type fixings are a problem solving fixing. The Rawlnut will fix to virtually any material, either solid or hollow eg metal sheet, plasterboard, plywood, glass, plastic etc. It is ideal for fixing in irregular or oversized holes.
- **For all kinds of plasterboard.**
- **Installed using manual or electrical tools.**



Size (mm)	Size (mm)	Size (mm)
3 x 24	5 x 15	8 x 25
3 x 30	5 x 25	8 x 50
4 x 13	5 x 40	10 x 55
4 x 25	6 x 15	12 x 75
5 x 10	6 x 25	
5 x 14	6 x 35	



RETURN TO CONTENTS PAGE

**ZINC****STAINLESS STEEL**

# HOSE CLIPS

Hi-Grip general purpose worm drive hose clips are widely regarded for their quality, durability and ability to withstand a great deal of abuse. They are manufactured to exceed BS5315, which has the highest requirements of any of the international standards and tests sealing ability, clamping force and torque. Also has BSI Kitemark and NATO approval, and exceeds all operational requirements of the relevant DIN and SAE standards.

**ZINC** Used for a wide variety of domestic, automotive and industrial applications, the standard Hi-Grip hose clip is made from heavily zinc plated mild steel with additional protection from a passivation layer.

## STAINLESS 304 A2 HI-GRIP 304 STAINLESS (A2)

Hi-Grip stainless steel worm drive hose clips have become the industry standard for demanding applications throughout the world due to their exceptional quality and performance.

Made entirely from 18/8 marine quality stainless steel and with Lloyds Register Approval, they are ideal for salt water and other highly corrosive environments.

## STAINLESS 316 A4 (Available On Request)

Principally aimed at the marine, food, petro-chemical and pharmaceutical industries, the Hi-Grip 316 hose clip is made entirely from BS316 austenitic stainless steel, providing the the same superior performance as the rest of the Hi-Grip range but with maximum corrosion resistance.

Lloyd's Register Type Approved for marine, offshore and industrial use.

Size (mm)	Grip Range (mm)	Size (mm)	Grip Range (mm)
<b>Zinc</b>		<b>Stainless 304 A2</b>	
12mm (000)	9.5-12	12mm (000)	9.5-12
16mm (M00)	11-16	16mm (M00)	11-16
20mm (00)	13-20	20mm (00)	13-20
22mm (0)	14-22	22mm (0)	14-22
25mm (0X)	17-25	25mm (0X)	17-25
30mm (1A)	22-30	30mm (1A)	22-30
35mm (1)	25-35	35mm (1)	25-35
40mm (1X)	30-40	40mm (1X)	30-40
45mm	35-45	45mm	35-45
50mm (2A)	35-50	50mm (2A)	35-50
55mm (2)	40-55	55mm (2)	40-55
60mm (2X)	45-60	60mm (2X)	45-60
70mm (3)	50-70	70mm (3)	50-70
80mm (3X)	60-80	80mm (3X)	60-80
90mm (4)	70-90	90mm (4)	70-90
100mm (4X)	80-100	100mm (4X)	80-100
120mm (5)	90-120	120mm (5)	90-120
140mm (6X)	110-140	140mm (6X)	110-140

[RETURN TO CONTENTS PAGE](#)

## MORE FASTENERS

### PICTURE HOOKS

Picture hanging hooks, double. In a handy pack.

Size	P/N	Pack quantity	Material
No.3 Hook No.3 Double	3PHDP	4	Brass
No.2 & 3 Hook (mixed)	MPHP	8	Brass
0.92mm Diam x 3.5mm	35BWP	1	Zinc
No.2 Hook No.2 Single	2PHSP	12	Brass



### DEE SHACKLES

Dee shackles are the primary connecting link in all manner of rigging systems, from boats and ships to industrial crane rigging, as they allow different rigging subsets to be connected or disconnected quickly. Shackles are narrow shackles shaped like a loop of chain, usually with a pin or threaded pin closure. The small loop can take high loads primarily in line. Side and racking loads may twist or bend a D-shackle.

Sizes listed are in galvanised, also available in imperial & stainless steel.



Size (mm)	Size (mm)	Size (mm)
M4	M6	M10
M5	M8	



### CORRUGATED FASTENERS

Corrugated fasteners are used to fasten parallel boards together, to make any type of joint and as a substitute for nails where nails might make the timber split.

Useful for joints and splices in small timbers and boards



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 4G x 1/4  | 4G x 5/8  | 5G x 1/2  | 5G x 1    | 6G x 1/2  | 6G x 1    |
| 4G x 3/8  | 4G x 3/4  | 5G x 5/8  | 6G x 1/4  | 6G x 5/8  |           |
| 4G x 1/2  | 5G x 3/8  | 5G x 3/4  | 6G x 3/8  | 6G x 3/4  |           |



### METAL STAR DOWELS

- Suitable for wide range of applications
- Commonly used in window frames and general purpose j
- Aluminium to avoid damage to cutters



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 19        | 29        | 38        | 44        | 60        | 77        |
| 25        | 33        | 41        | 50        | 70        |           |



RETURN TO  
CONTENTS PAGE

# ELECTRICAL CRIMP TERMINALS



## RING

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>)</b>	
RR32	3
RR43	4
RR53	5
RR64	6
RR84	8
RR105	10
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>)</b>	
BR32	3
BR43	4
BR53	5
BR64	6
BR84	8
BR105	10
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>)</b>	
YR43	4
YR53	5
YR64	6
YR84	8
YR105	10



## FORK/SPADE

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>)</b>	
RS43	4
RS53	5
RS64	6
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>)</b>	
BS43	4
BS53	5
BS64	6
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>)</b>	
YS43	4
YS53	5
YS64	6



## PUSH ON FEMALE

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>) Push On Female Non-Insulated</b>	
RF32/05/VR	2.8 x 0.5
RF32/08/VR	2.8 x 0.8
RF50/05/VR	4,8 x 0.5
RF66/08/VR	6.3 x 0.8
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>) Push On Female Non-Insulated</b>	
BF50/05/VR	4.8 x 0.5
BF66/08/VR	6.3 x 0.8
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>) Push On Female Non-Insulated</b>	
YF66/08/VR	6.3 x 0.8
YF100/08/VR	9.5 x 0.8
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>) Push On Female Fully Insulated</b>	
RF50/FI/VR	4.8
RF66/FI/VR	6.3
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>) Push On Female Fully Insulated</b>	
BF50/FI/VR	4.8
BF66/FI/VR	6.3
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>) Push On Female Fully Insulated</b>	
YF66/FI/VR	6.3



## BLADE

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>)</b>	
RB11	11
RB18	18
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>)</b>	
BB9	9
BB18	18
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>)</b>	
YB10	10



## BULLET MALE/ FEMALE

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>)</b>	
RMB40/VR	Male
RFB40/VR	Female
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>)</b>	
BMB50/VR	Male
BFB50/VR	Female



## PUSH ON MALE

Part Number	Size/Type (mm)
<b>Red Insulated (wire 0.5 - 1.5mm<sup>2</sup>)</b>	
RM50/VR	4.8
RM63/VR	6.3
<b>Blue Insulated (wire 1.5 - 2.5mm<sup>2</sup>)</b>	
BM50/VR	4.8
BM63/VR	6.3
<b>Yellow Insulator (wire 4 - 6mm<sup>2</sup>)</b>	
YM63/VR	6.3



RETURN TO  
CONTENTS PAGE

## ELECTRICAL CRIMP TERMINALS

• A complete range of pre-insulated terminals that combine high quality with competitive pricing.  
 • High grade PVC insulation makes crimping easy whilst ensuring complete integrity of termination.

• **VR indicates 'Vibration Resistant' - an extra copper ring within the crimp terminal.**

- Red Insulation: Conductor size 0.5-1.5mm<sup>2</sup> / 22-16awg.
- Blue Insulation: Conductor size 1.5-2.5mm<sup>2</sup> / 16-14awg.
- Yellow Insulation: Conductor size 4.0-6.0mm<sup>2</sup> / 12-10awg.
- UL approval number: E163810



**PIGGY BACK**

Part Number	
Red Insulated (wire 0.5 - 1.5mm <sup>2</sup> )	
<b>RPB63/VR</b>	
Blue Insulated (wire 1.5 - 2.5mm <sup>2</sup> )	
<b>BPB63/VR</b>	



**PIN**

Part Number	
Red Insulated (wire 0.5 - 1.5mm <sup>2</sup> )	
<b>RP10</b>	
Blue Insulated (wire 1.5 - 2.5mm <sup>2</sup> )	
<b>BP10</b>	
Yellow Insulator (wire 4 - 6mm <sup>2</sup> )	
<b>YP14</b>	



**BUTT CONNECTOR**

Part Number	
Red Insulated (wire 0.5 - 1.5mm <sup>2</sup> )	
<b>RBC4</b>	
Blue Insulated (wire 1.5 - 2.5mm <sup>2</sup> )	
<b>BBC45</b>	
Yellow Insulator (wire 4 - 6mm <sup>2</sup> )	
<b>HSB5.5</b>	



# CHANNEL SECTIONS

Strut manufactured from steel BSEN 10326 Grade SD2809B  
Strut Manufactured in accordance with BS6946 1988.  
Standard Slott Sizes 28x14 @ 50mm centres or 25x11 @ 50mm centres.  
Stainless Steel available on request.  
Standard lengths manufactured 3mtr, and 6mtr, cut lengths available on request.  
**ALSO AVAILABLE IN LIGHT DUTY.**



## DEEP SLOTTED 41 x 41mm

3 Metre Pre Galvanised



## DEEP PLAIN 41 x 41mm

3 Metre Pre Galvanised



## SHALLOW SLOTTED 41 x 21mm

3 Metre Pre Galvanised



## SHALLOW PLAIN 41 x 41mm

3 Metre Pre Galvanised



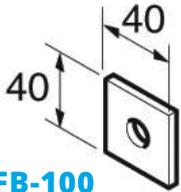
RETURN TO  
CONTENTS PAGE

GALVANISED

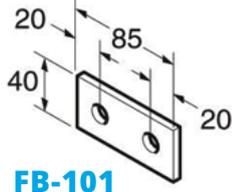
## CHANNEL ACCESSORIES



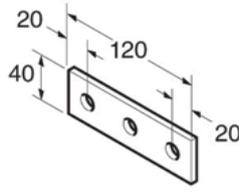
Buy Now



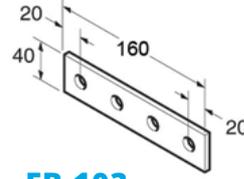
**FB-100**



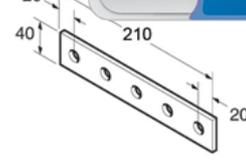
**FB-101**



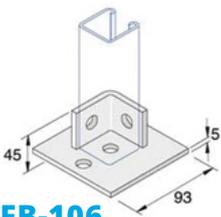
**FB-102**



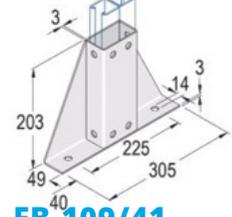
**FB-103**



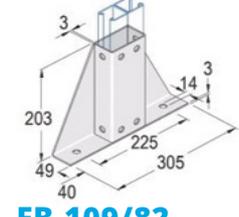
**FB-104**



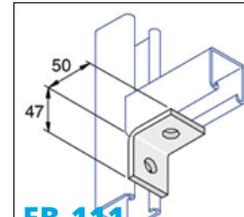
**FB-106**



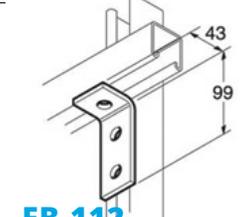
**FB-109/41**



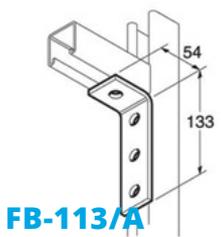
**FB-109/82**



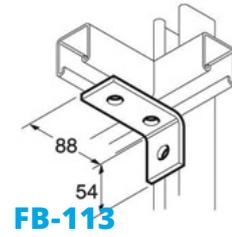
**FB-111**



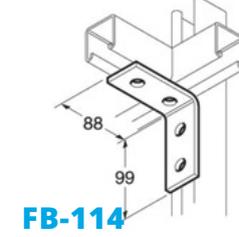
**FB-112**



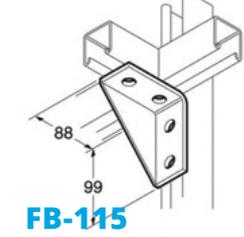
**FB-113/A**



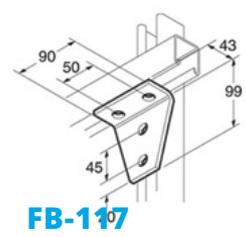
**FB-113**



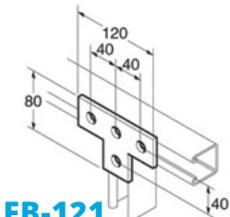
**FB-114**



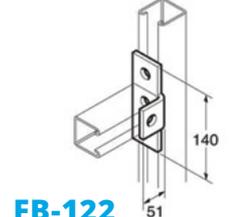
**FB-115**



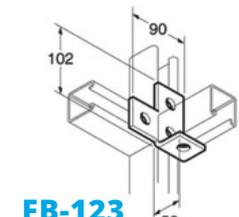
**FB-117**



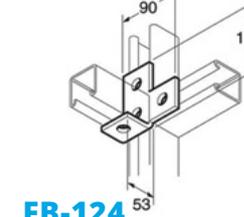
**FB-121**



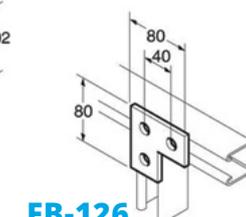
**FB-122**



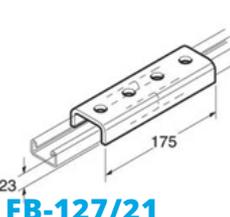
**FB-123**



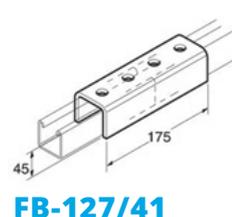
**FB-124**



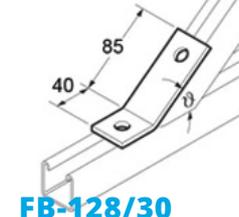
**FB-126**



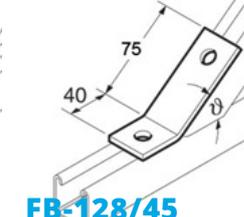
**FB-127/21**



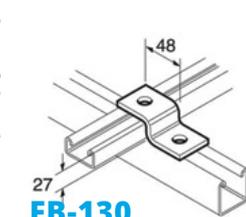
**FB-127/41**



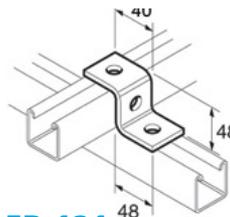
**FB-128/30**



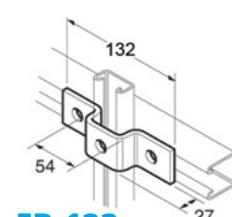
**FB-128/45**



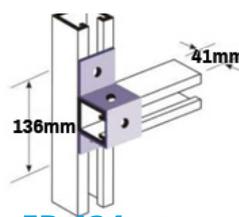
**FB-130**



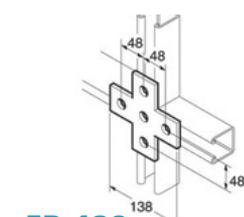
**FB-131**



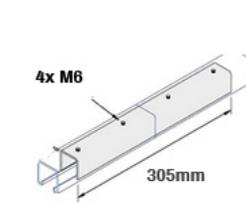
**FB-133**



**FB-134**



**FB-138**



**JP-143/41**

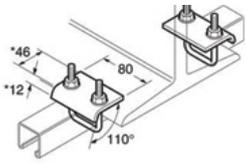
**JP-144/21**



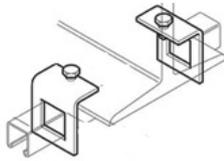
RETURN TO  
CONTENTS PAGE

**GALVANISED**

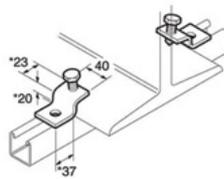
# CHANNEL ACCESSORIES



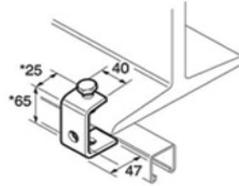
**BC001/82**  
**BC003/41**



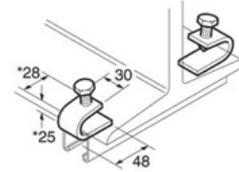
**BC002**  
**21 Shallow**  
**41 Deep**  
**82 Double**



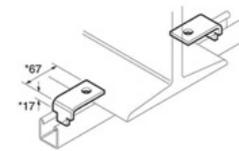
**BC004**



**BC005**



**BC006**



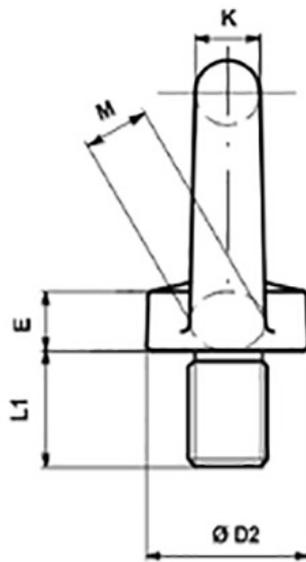
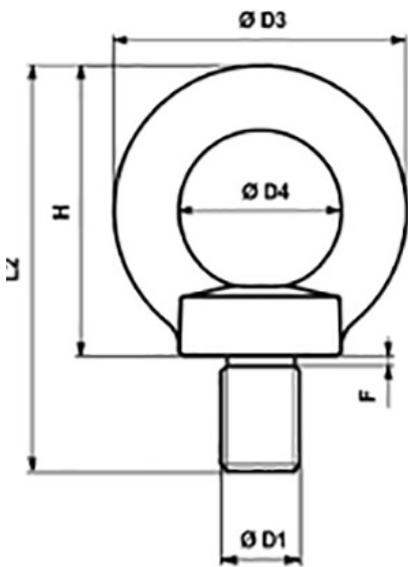
**BC007**

Code	Description	Code	Description
<b>FB-100</b>	<b>Square Plate</b>	<b>FB-127/21</b>	<b>External Joining Channel</b>
<b>FB-101</b>	<b>2 Hole Spice Plate</b>	<b>FB-127/41</b>	<b>External Joining Channel</b>
<b>FB-102</b>	<b>3 Hole Spice Plate</b>	<b>FB-128/30</b>	<b>30 Degree Obtuse Angle Bracket</b>
<b>FB-103</b>	<b>4 Hole Spice Plate</b>	<b>FB-128/45</b>	<b>45 Degree Obtuse Angle Bracket</b>
<b>FB-104</b>	<b>5 Hole Spice Plate</b>	<b>FB-130</b>	<b>Z Bracket</b>
<b>FB-106</b>	<b>Single Channel Base Plate</b>	<b>FB-131</b>	<b>Z Bracket</b>
<b>FB-109/41</b>	<b>Single Channel Gussetted Bracket</b>	<b>FB-133</b>	<b>U Bracket</b>
<b>FB-109/82</b>	<b>Single Channel Gussetted Bracket</b>	<b>FB-134</b>	<b>U Bracket</b>
<b>FB-111</b>	<b>90 Degree Channel Bracket</b>	<b>FB-138</b>	<b>Cross Plate 5 Hole</b>
<b>FB-112</b>	<b>90 Degree Channel Bracket</b>	<b>JP143/41</b>	<b>Internal Deep Connector</b>
<b>FB-113/A</b>	<b>90 Degree Channel Bracket</b>	<b>JP144/21</b>	<b>Internal Deep Connector</b>
<b>FB-113</b>	<b>90 Degree Channel Bracket</b>	<b>BC001/82</b>	<b>U Beam Clamp</b>
<b>FB-114</b>	<b>90 Degree Channel Bracket</b>	<b>BC002/21</b>	<b>Beam Clamp / Window Clamp</b>
<b>FB-115</b>	<b>4 Hole Shelf Bracket</b>	<b>BC002/41</b>	<b>Beam Clamp / Window Clamp</b>
<b>FB-117</b>	<b>4 Hole 90 Degree Bracket</b>	<b>BC002/82</b>	<b>Beam Clamp / Window Clamp</b>
<b>FB-121</b>	<b>4 Hole T Bracket</b>	<b>BC003/41</b>	<b>U Beam Clamp</b>
<b>FB-122</b>	<b>4 Hole 90 Degree T Bracket</b>	<b>BC004</b>	<b>Beam Clamp</b>
<b>FB-123</b>	<b>Left Hand T Corner Bracket</b>	<b>BC005</b>	<b>Beam Clamp</b>
<b>FB-124</b>	<b>Right Hand T Corner Bracket</b>	<b>BC006</b>	<b>Beam Clamp</b>
<b>FB-126</b>	<b>L Bracket</b>	<b>BC007</b>	<b>Toe Beam Clamp</b>



## EYE BOLTS

Size D1 (mm)	Pitch (mm)	D2 (mm)	D3 (mm)	D4 (mm)	E (mm)	F (mm)	H (mm)	K (mm)	M (mm)	L1 (mm)	L2 (mm)
M8	1.25	20	36	20	6	2.5	36	8	10	13	49
M10	1.5	25	45	25	8	3	45	10	12	17	62
M12	1.75	30	54	30	10	3.5	53	12	14	20.5	73.5
M16	2	35	63	35	12	4	62	14	16	27	89
M20	2.5	40	72	40	14	5	71	16	19	30	101
M24	3	50	90	50	18	6	90	20	24	36	126
M30	3.5	65	108	60	22	7	109	24	28	45	154



Thread Size (d)	Hole Size (e)	S.W.L.
M6	20mm	0.07t
M8	20mm	0.14t
M10	25mm	0.23t
M12	30mm	0.34t
M16	35mm	0.70t
M20	40mm	1.20t
M24	50mm	1.80t
M30	60mm	3.60t
M36	70mm	5.10t
M42	80mm	7.00t

## POPULAR FIXINGS

### LIFTING EYE NUT DIN582

Strong, secure fixings that can be fastened to metric threads to create a sturdy attachment point for slings, hoists etc.

Available in zinc, A2 & A4 stainless steel and self colour.

Size (mm)	Size (mm)
M6	M16
M8	M20
M10	M24
M12	M36



### LIFTING EYE BOLTS DIN580

Suited for objects which are too heavy to be lifted by personnel and that may be too bulky to be handled by a forklift, eye bolts enable even the most sensitive of items to be correctly moved.

Available in zinc, A2 & A4 stainless steel and self colour.

Size (mm)	Size (mm)
M6	M16
M8	M20
M10	M24
M12	



### TRI-BAR / HELIFIX / TIMFIX

Structural fixings for warm roof counter batten systems and vertical tile hanging systems. Tim-fix have special helical features which protect insulation sarking boards from roof weight compression loads, side loads and wind suction tension loads, while its small constant core diameter allows it to be used in thin counter batten timbers while still conforming to CP112 1972 unlike standard wire nails.

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| 6 x 80    | 6 x 145   | 6 x 195   | 6 x 1000  | 8 x 300   |
| 6 x 90    | 6 x 150   | 6 x 200   | 6 x 1200  | 8 x 1000  |
| 6 x 100   | 6 x 160   | 6 x 210   | 6 x 1300  | 8 x 3000  |
| 6 x 125   | 6 x 170   | 6 x 220   | 6 x 1500  | 8 x 6000  |
| 6 x 130   | 6 x 180   | 6 x 250   | 6 x 2000  |           |
| 6 x 140   | 6 x 190   | 6 x 600   | 6 x 3000  |           |



RETURN TO  
CONTENTS PAGE

## MORE FASTENERS

### CLINCH STUDS - FLUSH HEAD

The self clinching stud is a threaded fastener or plain pin which incorporates a specially formed platform and combined locking ring under the head. When pressed into sheet material the platform displaces some material into the locking ring, thereby securing the fastener in place. This results in a high torque and push out resistant fixing.

Sizes listed are in zinc, also available in stainless

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2 x 14   | M3 x 14   | 4 x 8     | 4 x 50    | 5 x 40    | 8 x 15    |
| M2.5 x 6  | M3 x 15   | 4 x 10    | 5 x 8     | 6 x 10    | 8 x 18    |
| M2.5 x 8  | M3 x 16   | 4 x 12    | 5 x 10    | 6 x 12    | 8 x 20    |
| M2.5 x 10 | M3 x 18   | 4 x 15    | 5 x 12    | 6 x 15    | 8 x 25    |
| M2.5 x 12 | 3 x 20    | 4 x 16    | 5 x 15    | 6 x 16    | 8 x 30    |
| M2.5 x 16 | 3 x 22    | 4 x 18    | 5 x 16    | 6 x 18    | 8 x 35    |
| M2.5 x 18 | 3 x 25    | 4 x 20    | 5 x 18    | 6 x 20    | 10 x 25   |
| M3 x 5    | 3 x 35    | 4 x 25    | 5 x 20    | 6 x 22    | 10 x 35   |
| M3 x 6    | 3.5 x 8   | 4 x 28    | 5 x 22    | 6 x 25    | 10 x 50   |
| M3 x 8    | 3.5 x 10  | 4 x 30    | 5 x 25    | 6 x 30    |           |
| M3 x 10   | 3.5 x 12  | 4 x 35    | 5 x 30    | 6 x 35    |           |
| M3 x 12   | 4 x 6     | 4 x 38    | 5 x 35    | 6 x 40    |           |



### CD WELD STUDS - THREADED

Stud Welding, more correctly termed drawn arc stud welding, is an electric arc process that rapidly joins a fastener to a base metal or substrate. The fastener can take many forms: threaded, unthreaded, tapped etc. Both the fastener and the substrate can be of various materials including: steel, stainless steel, aluminum etc.

Sizes listed are in coppered, also available in stainless, aluminium & steel, Unthreaded type also available.

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M2.5 x 15	M4 x 12	M5 x 20	M6 x 35
M2.5 x 20	M4 x 15	M5 x 25	M6 x 40
M3 x 8	M4 x 16	M5 x 30	M6 x 50
M3 x 10	M4 x 20	M5 x 50	M8 x 12
M3 x 12	M4 x 25	M5 x 60	M8 x 15
M3 x 15	M4 x 30	M6 x 8	M8 x 16
M3 x 16	M4 x 35	M6 x 10	M8 x 20
M3 x 20	M4 x 40	M6 x 12	M8 x 25
M3 x 25	M5 x 8	M6 x 16	M8 x 30
M4 x 6	M5 x 10	M6 x 20	M8 x 35
M4 x 8	M5 x 12	M6 x 25	M8 x 40
M4 x 10	M5 x 16	M6 x 30	M8 x 50



RETURN TO  
CONTENTS PAGE

## MORE FASTENERS

### SELF CLINCH THROUGH STANDOFF

Clinch through-hole standoffs provide a permanent threaded spacer in thin metal materials. On installation with a press, the thin hexagon head is embedded and locked into the parent material leaving it flush on the reverse side.

Sizes listed are in zinc, available in blind, through hole & alternative body types.



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2.5 x 4  | M3 x 8    | M3 x 16   | M4 x 8    | M4 x 16   | M4 x 25   |
| M3 x 4    | M3 x 10   | M3 x 18   | M4 x 10   | M4 x 18   | M5 x 6    |
| M3 x 5    | M3 x 12   | M4 x 4    | M4 x 12   | M4 x 20   | M5 x 8    |
| M3 x 6    | M3 x 14   | M4 x 6    | M4 x 14   | M4 x 22   | M5 x 10   |

### SELF CLINCH NUT

Used in a variety of applications including white goods, telecommunications, automotive, audio, electrical, marine, and enclosures to name but a few - clinch nuts are easy to install, simply 'squeeze' them into a pre-punched hole. To see for yourself visit our Self-Clinch Nut Installation Guide. Once installed the reverse side remains flush and smooth.

Sizes listed are in zinc, available in stainless.



| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2-0      | M2.5-1    | M3.5-1    | M5-0      | M6-1      | M8-2      |
| M2-1      | M3-0      | M4-0      | M5-1      | M6-2      | M10-2     |
| M2-2      | M3-1      | M4-1      | M5-2      | M6-3      |           |
| M2.5-0    | M3-2      | M4-2      | M6-0      | M8-1      |           |



RETURN TO  
CONTENTS PAGE

## RIVET BUSHES

### HEXAGON

Hexagon rivet bushes provide strong reusable captivated threads in panels too thin to be conventionally tapped. They can be installed into panels as thin as 0.5mm and do not suffer from the maximum hardness or centreline to edge limitations of self-clinching nuts so are suitable for installation into panels of any hardness such as hard stainless steels or in close to edge applications. Featuring a hexagon body with an undercut shoulder to provide six points that bite into the panel, this style of rivet bush offers good torque to turn resistance while maximising spigot strength to resist push-out.

Sizes listed are in zinc, also available in 303 Stainless Steel

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M3 x 10G	M4 x 20G	M6 x 14G	M8 x 18G
M3 x 12G	M5 x 10G	M6 x 16G	M8 x 20G
M3 x 14G	M5 x 12G	M6 x 18G	M10 x 10G
M3 x 16G	M5 x 14G	M6 x 20G	M10 x 12G
M3 x 18G	M5 x 16G	M8 x 6G	M10 x 14G
M4 x 10G	M5 x 18G	M8 x 10G	M10 x 16G
M4 x 12G	M5 x 20G	M8 x 12G	M10 x 18G
M4 x 16G	M6 x 10G	M8 x 14G	
M4 x 18G	M6 x 12G	M8 x 16G	



### ROUND

Round Rivet Bushes provide strong reusable captivated threads in panels too thin to be conventionally tapped. They can be installed into panels as thin as 0.5mm and do not suffer from the maximum hardness or centreline to edge limitations of self-clinching nuts so are suitable for installation into panels of any hardness such as hard stainless steels or in close to edge applications.

Sizes listed are in zinc, also available in 303 Stainless Steel

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| M2.5 x 18 | M3.5 x 14 | M4 x 20   | M6 x 8    | M8 x 10   | M10 x 18  |
| M2.5 x 20 | M3.5 x 16 | M5 x 8    | M6 x 10   | M8 x 12   | M12 x 10  |
| M3 x 10   | M4 x 6    | M5 x 10   | M6 x 12   | M8 x 14   |           |
| M3 x 12   | M4 x 8    | M5 x 12   | M6 x 14   | M8 x 16   |           |
| M3 x 14   | M4 x 10   | M5 x 14   | M6 x 16   | M8 x 18   |           |
| M3 x 16   | M4 x 12   | M5 x 16   | M6 x 18   | M10 x 10  |           |
| M3 x 18   | M4 x 14   | M5 x 18   | M6 x 20   | M10 x 12  |           |
| M3 x 20   | M4 x 16   | M5 x 20   | M8 x 6    | M10 x 14  |           |
| M3 x 22   | M4 x 18   | M6 x 6    | M8 x 8    | M10 x 16  |           |



RETURN TO  
CONTENTS PAGE

## MORE FASTENERS

### STUD SCREWS

Combined machine screw and wood screw. Can be fastened into timber. Hexagon shank in between the 2 threads. Sizes listed are in zinc, also available in imperial.

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M8 x 50	M8 x 100	M10 x 80	M10 x 180
M8 x 60	M8 x 120	M10 x 100	M12 x 100
M8 x 80	M10 x 50	M10 x 120	
M8 x 90	M10 x 60	M10 x 140	



### THUMB SCREWS

Thumb Screws, like wing nuts, are made to be tightened and loosened with finger pressure and are typically used where frequent adjustment or disassembly is required. They are fully threaded. Length of Spade Head (Type P) screws is measured from under the head to the tip. Spade head with shoulder (Type S) screws are measured from under the shoulder to the tip. The shoulder adds a bearing surface.

Sizes listed are in zinc for both types, also available in self colour and nylon + imperial

#### PLAIN TYPE

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M4 x 10	M6 x 12	M6 x 30	M10 x 25
M5 x 10	M6 x 15	M8 x 12	
M5 x 20	M6 x 20	M8 x 20	
M6 x 10	M6 x 25	M8 x 40	



#### SHOULDERED TYPE

Size (mm)	Size (mm)	Size (mm)	Size (mm)
M5 x 10	M6 x 20	M8 x 20	
M5 x 15	M6 x 25	M8 x 25	
M5 x 16	M6 x 40	M8 x 30	
M6 x 12	M6 x 50		



RETURN TO  
CONTENTS PAGE

## PINS

### DOWEL PINS

Similar to traditional wooden dowels, dowel pins are small steel rods machined to a high tolerance for accurate locating and alignment. Their added strength means for greater reliability and assurance over time without the concern for wood rot. Dowel pins typically come in metric sizes with 1mm diameter increments for ease of use in most applications.

Always consider the length of pin when purchasing as unlike their wooden counterpart, dowel pins are more difficult to trim.

Sizes listed are in self colour, also available in stainless and imperial.

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| 1.5 x 8   | 3 x 40    | 5 x 60    | 8 x 50    | 12 x 30   |
| 1.5 x 10  | 3 x 50    | 6 x 10    | 8 x 55    | 12 x 32   |
| 1.5 x 12  | 4 x 8     | 6 x 12    | 8 x 60    | 12 x 36   |
| 1.5 x 20  | 4 x 10    | 6 x 14    | 8 x 70    | 12 x 40   |
| 2 x 6     | 4 x 12    | 6 x 16    | 8 x 75    | 12 x 50   |
| 2 x 8     | 4 x 16    | 6 x 20    | 8 x 80    | 12 x 55   |
| 2 x 10    | 4 x 18    | 6 x 24    | 8 x 100   | 12 x 60   |
| 2 x 12    | 4 x 20    | 6 x 25    | 10 x 12   | 12 x 70   |
| 2 x 16    | 4 x 24    | 6 x 28    | 10 x 16   | 12 x 80   |
| 2 x 20    | 4 x 25    | 6 x 30    | 10 x 20   | 12 x 90   |
| 2.5 x 8   | 4 x 28    | 6 x 32    | 10 x 24   | 16 x 28   |
| 2.5 x 10  | 4 x 30    | 6 x 35    | 10 x 25   | 16 x 32   |
| 2.5 x 12  | 4 x 35    | 6 x 36    | 10 x 28   | 16 x 45   |
| 2.5 x 16  | 4 x 40    | 6 x 40    | 10 x 30   | 16 x 50   |
| 2.5 x 20  | 4 x 45    | 6 x 45    | 10 x 32   | 16 x 55   |
| 2.5 x 30  | 5 x 8     | 6 x 50    | 10 x 35   | 16 x 60   |
| 3 x 6     | 5 x 10    | 6 x 60    | 10 x 36   | 16 x 70   |
| 3 x 8     | 5 x 12    | 6 x 80    | 10 x 40   | 16 x 80   |
| 3 x 10    | 5 x 16    | 8 x 16    | 10 x 45   | 16 x 90   |
| 3 x 12    | 5 x 20    | 8 x 20    | 10 x 50   | 20 x 50   |
| 3 x 14    | 5 x 24    | 8 x 24    | 10 x 60   | 20 x 70   |
| 3 x 16    | 5 x 25    | 8 x 25    | 10 x 70   | 20 x 80   |
| 3 x 18    | 5 x 28    | 8 x 28    | 10 x 80   | 20 x 100  |
| 3 x 24    | 5 x 32    | 8 x 32    | 10 x 100  | 20 x 120  |
| 3 x 25    | 5 x 35    | 8 x 35    | 12 x 20   | 25 x 80   |
| 3 x 30    | 5 x 40    | 8 x 40    | 12 x 24   | 25 x 100  |
| 3 x 36    | 5 x 50    | 8 x 45    | 12 x 25   | 25 x 110  |



RETURN TO  
CONTENTS PAGE

# PINS

## EXTRACTABLE DOWELS

Extractable dowel pins have an air release flat ground to the full length of the pin to overcome the problem of reduced retention in blind holes due to trapped air.

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|
| 4 x 16    | 5 x 36    | 8 x 16    | 8 x 50    | 12 x 30   |
| 4 x 30    | 6 x 16    | 8 x 20    | 10 x 20   | 12 x 40   |
| 5 x 10    | 5 x 36    | 8 x 24    | 10 x 25   | 12 x 50   |
| 5 x 12    | 6 x 16    | 8 x 25    | 10 x 30   | 12 x 60   |
| 5 x 16    | 6 x 20    | 8 x 30    | 10 x 40   | 12 x 80   |
| 5 x 20    | 6 x 24    | 8 x 35    | 10 x 60   | 16 x 50   |
| 5 x 24    | 6 x 30    | 8 x 36    | 10 x 80   | 16 x 60   |
| 5 x 30    | 6 x 35    | 8 x 40    | 12 x 24   | 20 x 80   |



## SPIROL PINS

SPIROL invented the Coiled Spring Pin and its production technology in 1948. Since that time, the Coiled Spring Pin has proven to be the most versatile spring pin in the industry. More than fasteners, SPIROL Coiled Pins are shock-absorbing elements that are integral, active components of a total assembly. A problem solver, SPIROL Coiled Pins offer the lowest installed cost in most applications. Standard SPIROL® Coiled Spring Pins provide flexibility, uniform strength, equal stress distribution, closer diameter tolerances, no interlocking, trouble-free automatic feeding, and they reduce costs. Heavy, standard, and light duty pins provide combinations of strength, flexibility and diameter to meet the specific engineering objectives of your pinning applications.

Sizes listed are in self colour, also available in stainless, chrome, nickel, zinc yellow, imperial.

Size (mm)	Size (mm)	Size (mm)	Size (mm)
1.5 x 8	3 x 16	5 x 16	8 x 20
1.5 x 10	3 x 18	5 x 20	8 x 26
1.5 x 12	3 x 20	5 x 26	8 x 30
1.5 x 22	3 x 24	5 x 35	8 x 35
2 x 6	3 x 26	5 x 50	8 x 36
2 x 8	3 x 45	5 x 60	8 x 40
2 x 12	4 x 10	6 x 16	8 x 45
2 x 14	4 x 12	6 x 20	8 x 70
2 x 16	4 x 14	6 x 26	8 x 75
2 x 20	4 x 16	6 x 28	10 x 22
2.5 x 16	4 x 20	6 x 35	10 x 50
3 x 6	4 x 24	6 x 45	12 x 26
3 x 10	4 x 30	6 x 50	
3 x 12	4 x 36	6 x 70	
3 x 14	5 x 10	6 x 75	



RETURN TO  
CONTENTS PAGE

## PINS

### SPRING PINS

Slotted spring pins consist of a single coil with an open slot sufficiently wide to enable the pin to reduce in diameter as it is driven into a hole of appropriate size.

The ends of the pin have a bevelled chamfer.

They are designed for plain drilled holes but a countersink makes assembly easier.

It is possible to increase the shear strength of slotted pins by inserting a small diameter inside a large one (inserting the larger pin first, then the smaller one, taking care that the slot is between 90° and 180° away from the slot in the larger pin)

Sizes listed are in self colour, also available in stainless, zinc and imperial.

| Size (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 1.5 x 6   | 2.5 x 20  | 3.5 x 30  | 5 x 22    | 6 x 40    | 8 x 90    |
| 1.5 x 8   | 2.5 x 24  | 3.5 x 50  | 5 x 25    | 6 x 45    | 8 x 100   |
| 1.5 x 10  | 2.5 x 25  | 4 x 6     | 5 x 26    | 6 x 50    | 10 x 20   |
| 1.5 x 12  | 3 x 4     | 4 x 12    | 5 x 30    | 6 x 55    | 10 x 25   |
| 1.5 x 14  | 3 x 6     | 4 x 14    | 5 x 32    | 6 x 60    | 10 x 30   |
| 1.5 x 16  | 3 x 8     | 4 x 15    | 5 x 35    | 6 x 70    | 10 x 40   |
| 1.5 x 18  | 3 x 10    | 4 x 16    | 5 x 40    | 6 x 75    | 10 x 45   |
| 1.5 x 25  | 3 x 12    | 4 x 18    | 5 x 45    | 6 x 80    | 10 x 60   |
| 2 x 6     | 3 x 14    | 4 x 20    | 5 x 50    | 6 x 90    | 10 x 70   |
| 2 x 8     | 3 x 15    | 4 x 22    | 5 x 55    | 8 x 16    | 10 x 80   |
| 2 x 10    | 3 x 18    | 4 x 24    | 5 x 60    | 8 x 20    | 10 x 100  |
| 2 x 12    | 3 x 20    | 4 x 25    | 5 x 80    | 8 x 25    | 12 x 20   |
| 2 x 14    | 3 x 24    | 4 x 26    | 6 x 10    | 8 x 30    | 12 x 30   |
| 2 x 16    | 3 x 25    | 4 x 30    | 6 x 12    | 8 x 32    | 12 x 40   |
| 2 x 18    | 3 x 26    | 4 x 32    | 6 x 16    | 8 x 36    | 12 x 50   |
| 2 x 20    | 3 x 30    | 4 x 35    | 6 x 20    | 8 x 40    | 12 x 60   |
| 2 x 25    | 3 x 32    | 4 x 36    | 6 x 24    | 8 x 45    | 12 x 65   |
| 2 x 26    | 3 x 35    | 4 x 40    | 6 x 25    | 8 x 50    | 12 x 70   |
| 2 x 32    | 3 x 40    | 4 x 50    | 6 x 26    | 8 x 55    | 14 x 26   |
| 2 x 45    | 3 x 65    | 4.5 x 24  | 6 x 28    | 8 x 60    | 14 x 70   |
| 2.5 x 8   | 3.5 x 16  | 5 x 12    | 6 x 30    | 8 x 65    | 16 x 60   |
| 2.5 x 10  | 3.5 x 20  | 5 x 16    | 6 x 32    | 8 x 70    |           |
| 2.5 x 16  | 3.5 x 25  | 5 x 20    | 6 x 35    | 8 x 80    |           |



RETURN TO  
CONTENTS PAGE

# PINS

## RETAINING PINS

Retaining Pins (R-Clips) have 2 designs – the single coil for most applications & the double coil for more demanding use.

Sizes listed are in zinc, also available in stainless, self colour, zinc/yellow and imperial.

Diameter (mm)	Range (mm)	Pattern
1.2	4-5	A89
1.2	5-7	A89
1.2	5-8	A91
1.6	5-7	A89
1.6	7-9	A89
1.8	8-10	A89
1.8	8-12	A89
1.8	11-14	A89
1.8	11-14	A91
2.0	9-11	A89
2.3	18-21	A90
2.3	18-21	A91
2.5	9-11	A89
2.5	10-12	A91
2.5	10-16	A90 Double
2.6	18-21	A89
3.0	9-11	A91
3.0	12-16	A91

Diameter (mm)	Range (mm)	Pattern
3.0	14-18	A89
3.0	14-20	S90 Double
3.2	24-28	A89
3.3	21-23	A89
3.7	18-21	A91
3.7	23-26	A89
3.7	28-30	A89
4.0	14-18	A89
4.0	16-20	A91
4.5	18-24	A91
4.5	30-34	A89
4.5	35-40	A91
4.5	48-55	A91
4.7	18-20	A91
5	21-23	A89
5	20-28	A91
6	28-40	A91
8	35-45	A91



## CLEVIS PINS

A clevis pin provides a cost-effective fastening solution which allows the supported objects to rotate about the clevis pin axis. They are commonly used as a secure, fast replacement to bolts or rivets. Clevis pins are supplied to ISO 2341B (DIN 1444) with a cross-drilled hole for R-clips or cotter pins which when inserted, keep the clevis pin in place.

Sizes listed are in zinc, also available in stainless & imperial.

Size (mm)	Size (mm)	Size (mm)	Size (mm)
5 x 35	6 x 40	8 x 60	10 x 60
6 x 16	6 x 50	8 x 80	10 x 70
6 x 18	8 x 20	10 x 25	10 x 80
6 x 20	8 x 22	10 x 30	10 x 100
6 x 25	8 x 26	10 x 40	12 x 40
6 x 30	8 x 28	10 x 45	12 x 70
6 x 35	8 x 40	10 x 50	12 x 80



## PINS

### LINCH PINS - A80 APPLE KEEP

Linch pins are precision fasteners used to prevent a wheel or other part from sliding off the axle upon which it is riding. Also commonly termed as quick release pins or apple keep pins, they employ a locking ring into the pin design that fastens the pin in place and are commonly found on trailers, making them ideal for use in agricultural or marine industries.

Linch pins may also be used in place of an R-Clip for securing hitch pins.

Available in zinc

Size (mm)	Size (mm)
4.5 x 32	8 x 45
4.5 x 40	8 x 60
6 x 32	9.5 x 75
6 x 45	10 x 45
6 x 50	11 x 50



### TAPER PINS

A taper pin is a fastener used in mechanical engineering. They are steel rods with one end having a slightly larger diameter than the other. Standard inch-sized taper pins have a taper on diameter of 1:48[1] while metric ones have a taper of 1:50.[2] A 1:48 taper means that one end of a 4-foot-long bar (48 inches) will be 1 inch smaller in diameter than the other end, or a 1/4-inch taper over a 1-foot length.

Sizes listed are in self colour, also available in stainless & imperial.

Size (mm)	Size (mm)	Size (mm)
2 x 40	6 x 40	10 x 50
2.5 x 40	6 x 50	10 x 100
3 x 40	8 x 50	10 x 150
5 x 35	8 x 100	12 x 50
6 x 30	10 x 40	



RETURN TO  
CONTENTS PAGE

# PINS

## COTTER PINS

Cotter split pins are used in conjunction with clevis pins and other types of free fitting pinned assemblies within general applications. Produced and formed from a single strand of wire, with a loop at one end to create the head. This is then used as part of a mating assembly with a clevis pin or other type of shaft. The cotter pin becomes a locking mechanism once the two prongs are bent apart.

Imperial sizes listed below are in self colour, also available in brass, stainless steel & zinc.

| Size (mm)    |
|--------------|--------------|--------------|--------------|--------------|--------------|
| 1/32 x 1/2   | 5/64 x 1 3/8 | 1/8 x 3/4    | 5/32 x 1     | 7/32 x 1 1/2 | 5/16 x 4     |
| 1/32 x 1     | 5/64 x 1 1/2 | 1/8 x 3/4    | 5/32 x 1 1/4 | 7/32 x 2     | 3/8 x 2      |
| 3/64 x 1/2   | 5/64 x 2     | 1/8 x 3/4    | 5/32 x 1 1/2 | 7/32 x 3     | 3/8 x 2 1/2  |
| 3/64 x 1     | 5/64 x 2 1/2 | 1/8 x 3/4    | 5/32 x 1 5/8 | 1/4 x 7/8    | 3/8 x 3      |
| 3/64 x 1 1/2 | 5/64 x 3     | 1/8 x 3/4    | 5/32 x 1 3/4 | 1/4 x 1      | 3/8 x 4      |
| 1/16 x 1/4   | 3/32 x 1/2   | 1/8 x 3/4    | 5/32 x 2     | 1/4 x 1 1/4  | 3/8 x 5      |
| 1/16 x 3/8   | 3/32 x 5/8   | 1/8 x 1      | 5/32 x 2 1/4 | 1/4 x 1 1/2  | 3/8 x 6      |
| 1/16 x 1/2   | 3/32 x 3/4   | 1/8 x 1 1/4  | 5/32 x 2 1/2 | 1/4 x 1 3/4  | 7/16 x 1 1/2 |
| 1/16 x 5/8   | 3/32 x 1     | 1/8 x 1 1/2  | 5/32 x 3     | 1/4 x 2      | 7/16 x 2     |
| 1/16 x 3/4   | 3/32 x 1 1/4 | 1/8 x 1 3/4  | 5/32 x 4     | 1/4 x 2 1/2  | 7/16 x 5     |
| 1/16 x 1     | 3/32 x 1 1/2 | 1/8 x 2      | 11/64 x 2    | 1/4 x 3      | 1/2 x 2 1/2  |
| 1/16 x 1 1/4 | 3/32 x 1 3/4 | 1/8 x 2 1/2  | 3/16 x 1/2   | 1/4 x 3 1/4  | 1/2 x 5      |
| 1/16 x 1 3/8 | 3/32 x 2     | 1/8 x 3      | 3/16 x 1     | 1/4 x 4      |              |
| 1/16 x 1 1/2 | 3/32 x 2 1/2 | 1/8 x 5      | 3/16 x 1 1/4 | 1/4 x 6      |              |
| 1/16 x 2     | 3/32 x 3     | 9/64 x 1     | 3/16 x 1 1/2 | 9/32 x 3     |              |
| 1/16 x 3     | 7/64 x 3/4   | 9/64 x 1 1/4 | 3/16 x 2     | 5/16 x 1     |              |
| 5/64 x 3/8   | 7/64 x 1     | 9/64 x 1 1/2 | 3/16 x 2 1/4 | 5/16 x 1 1/2 |              |
| 5/64 x 1/2   | 7/64 x 1 1/4 | 9/64 x 1 3/4 | 3/16 x 2 1/2 | 5/16 x 2     |              |
| 5/64 x 5/8   | 7/64 x 1 1/2 | 9/64 x 2     | 3/16 x 3     | 5/16 x 2 1/2 |              |
| 5/64 x 3/4   | 7/64 x 2     | 9/64 x 3     | 3/16 x 3 1/2 | 5/16 x 2 3/4 |              |
| 5/64 x 1     | 1/8 x 1/2    | 9/64 x 4     | 3/16 x 4     | 5/16 x 3     |              |
| 5/64 x 1 1/4 | 1/8 x 5/8    | 5/32 x 3/4   | 7/32 x 1     | 5/16 x 3 3/4 |              |



## NUTS

### BINX NUTS

The Binx Nut is an all metal prevailing torque type self-locking nut. The locking action is provided by two slots cut into the side of the nut which locally changes the pitch. The Binx Nut's locking mechanism acts on both the effective diameter and the pitch of the thread, countering the threat posed by vibration or stress. One advantage of the Binx nut is that its height is no greater than a standard nut so that it can be used in confined spaces. The Binx nut is all-metal and can be confidently used in environments containing oil, grease etc.

Sizes listed are in zinc, also available in zinc yellow & imperial.

Size (mm)	Size (mm)
M4	M10
M5	M16
M6	M20
M8	



### T PRONGED NUTS

4 Prong Tee Nuts also commonly known as T nuts and pronged nuts for wood, are sturdy, low cost nuts used for wood and plastic. The tee nut has a flange at one end with 4 pointed prongs protruding which hold it flush and captive in the material, locking and preventing rotation during assembly. The thin long internally threaded body of the tee nut is inserted into a pre-drilled hole to connect and hold work pieces in place. Inserted by tapping a round hole into the material and tapped into place using a hammer, t nut gun or full installation system.

Sizes listed are in zinc, also available in self colour & imperial.

Size (mm)	Size (mm)
M3	M8
M4	M10
M5	M12
M6	



### WELD NUTS

A hexagon nut designed for welding to a part to form a threaded insert. The design incorporates a locating boss and welding projections.

Sizes listed are in stainless steel, also available in self colour & imperial.

Size (mm)
M4
M5
M6
M8
M10



RETURN TO  
CONTENTS PAGE

# NUTS

## SLOTTED NUTS

A slotted nut has slots cut into one end of the nut. When used in application the bolt or threaded bar generally has a predrilled hole so when the slotted nut is threaded on and torqued to the required position it can then be secured using a cotter pin or wire to prevent rotation. Thus slotted nuts are used in applications where vibration or motion might otherwise undo the nut.

Although both the castle nuts and slotted nuts look similar and can often be used interchangeably because they have almost identical dimensions, they are different in that the protrusions on a slotted nut are from the base of the nut and include the corners, whereas a castle nut looks like a standard nut with triangular portions protruding but not including the corners of the hex.

Sizes listed are in self colour, also available in zinc & other imperial threads.

[Call for Quotation](#)



## CASTLE NUTS

Castle nuts, also known as castellated nuts, are used with a bolt or allthread that has a predrilled hole where a cotter pin can be used to secure the fixing, preventing movement. This makes them ideal for use in applications where vibration may undo the fixing.

Often also known as slotted nuts, castle nuts are slightly different, looking more like hex nuts with triangular portions protruding, whereas the slots on the slotted nut look as though they have been cut from a hex nut with the corners also forming part of the protrusion.

Sizes listed are in self colour, also available in zinc & imperial

[Call for Quotation](#)



## WEDGE NUTS

Developed for profiled metal-decked slabs. May be used for fixing threaded rod or bolted connections to soffit of slab, e.g. rod suspensions, end plates and back plates.

Sizes listed are in self colour, also available in zinc & imperial

Size (mm)
M6
M8
M10



[RETURN TO CONTENTS PAGE](#)

## NUTS

### PHILIDAS NUTS

A Philidas nut is a locknut with one or more slots cut laterally in the reduced-diameter circular top for less than half the diameter, the metal above the slot(s) being deformed downwards so that over the last one or two turns, the thread for half the diameter is "axially depitched" or displaced from its normal position. As the nut is threaded on, the displaced sections are elastically forced back axially to their original position, the load increasing the friction between the nut and the fastener, creating the locking action. These nuts retain their locking action at temperatures limited only by the base material, as no polymeric insert is used and as the locking action is by elastic deformation, they can be re-used multiple times. They may look similar, but differ substantially from the split beam nut because the former has a radial displacement of the deformed portion, while the Philidas nut uses axial deflection or depitching.

There are at least two basic types, the original 'industrial' type with two slots, one on each side of the diameter but axially aligned and the "Turret" where both slots are aligned radially, one above the other. The Turret type appears to reduce the risk of failure of the locking action due to fracture between the base of both slots, which may be a limitation of the industrial type.

Sizes listed are in zinc yellow MCP turret type, zinc, self colour, MCI & other types + imperial also available.

Size (mm)	Size (mm)	Size (mm)
M4	M14	M24
M5	M16	M27
M6	M18	M30
M8	M20	M39



### AEROTIGHT NUTS

Aerotight® Nuts have a long-standing reputation for design, quality and reliability. They are vibration resistant self-locking nuts (also known as aero-lock nuts or stiffnuts) with distinct advantages over other forms of self-locking nuts, for example:

The self-locking function of the vibration resistant Aerotight Nut is still effective after a number of applications, so it can be re-used many times.

The Aerotight locking nut is all-metal, with no inserts, so can be used in temperatures of up to 300deg C and is not affected by oil, making this a superior product and ideal for use in the food, agriculture, civil engineering, automotive, chemical and aerospace industries, amongst others. Whether it is tightened down or not the Aerotight Nut will stay in position, provided the locking element is engaged and does not have to achieve recommended tightening torque to be effective.

No additional parts or special tools needed to install or remove.

Sizes listed are in zinc, also available in self colour, stainless & imperial.

Size (mm)	Size (mm)	Size (mm)
M3	M8	M20
M4	M10	
M5	M12	
M6	M16	



RETURN TO  
CONTENTS PAGE

# NUTS

## SHEAR NUTS

Security shear nuts, also known as breakaway nuts, snap off nuts or permacone nuts, are a premium 1-way permanent security solution ideal where maintenance is not required.

Designed to prevent unauthorised tampering or removal of equipment or facilities, breakaway nuts are typically used in public areas (schools, hospitals etc) and within the fencing industry, e.g. for security perimeter fencing, and the automotive industry. Can be used anywhere where a permanent fixing is needed.

- **One of the best 1-way security solutions available**
- **Breakaway hex nut and cone shaped permanent nut**
- **Suitable for high torque applications**
- **Vibration resistant.**
- **Tightened using standard spanner or socket.**

Sizes listed are in zinc, also available in galvanised & stainless.



Size (mm)	Size (mm)
M6	M12
M8	M16
M10	



## CAGE NUT

A cage nut or caged nut (also called a captive or clip nut) consists of a (usually square) nut in a spring steel cage which wraps around the nut. The cage has two wings that when compressed allow the cage to be inserted into the square holes, for example, in the mounting rails of equipment racks. When the wings are released, they hold the nut in position behind the hole.

The square-hole cage nut can be used wherever a square hole can be punched. An older type of captive-nut uses a spring clip that holds the nut and slides on the edge of a thin sheet. While this type of cage nut can only position the nut a fixed distance from the edge of a thin plate, it works equally well with square and round holes.

**Call for Quotation**



**RETURN TO  
CONTENTS PAGE**

## WOOD INSERT NUTS

These **Type A Insert Nuts** provide a strong, fixed thread for wood and wood-based materials such as laminated wood panels, high density fibreboard and chipboard sheets.

The coarse, external tooth pattern ensures maximum holding power and simplified installation by knocking the Insert Nut into the base material.

Typical applications include audio equipment, cabinets, chairs, desks and shop equipment.

Material - Zinc Alloy Die Cast

## Call for Quotation



**Insert nuts for wood type D** are available from stock in zinc alloy from M3 to M10 in various lengths and finishes (usually zinc or zinc & yellow). Other materials, diameters and lengths available to order. We also offer insert nuts for wood type D in UNC and UNF on a short lead time with BSW and BSF also available on request. **Available in zinc yellow.**

Size (mm)	Size (mm)	Size (mm)
5 x 10	6 x 13	8 x 20
5 x 13	8 x 13	8 x 25
6 x 10	8 x 18	



**Insert nuts for wood type E** are available from stock in zinc alloy ranging from M4 to M8 in various lengths and finishes (usually zinc or zinc & yellow). Other materials, diameters and lengths are available to order. We also offer insert nuts for wood type E in UNC and UNF on a short lead time with BSW and BSF also available to order. **Available in zinc yellow.**

Size (mm)	Size (mm)	Size (mm)
4 x 10	6 x 13	8 x 25
5 x 13	6 x 20	
6 x 10	8 x 13	



RETURN TO  
CONTENTS PAGE