

Security & tamper resistant fasteners

handbook



Hafren
security fasteners

What are security & tamper resistant fasteners?

Special headed screws, nuts & bolts which are either permanently fixed or can only be removed using a matching driver tool.

Why do I need them?

Security... The need to safeguard against theft and vandalism is increasingly an essential part of many design specifications.

Safety... Deal with stringent H&S laws, keep the public safe.

Aesthetics... Security fasteners are not only secure and vandal-resistant, but aesthetically pleasing to the eye complementing their surrounding environment.

What are the consequences of not using them?

insurance claims

theft

crime

liability claims

lost revenue

pilferage

terrorism

vandalism

reputation



Don't risk it, secure it.

Hafren Security Fasteners...

specialists in security and tamper-resistant type screws, nuts and bolts

As a leading global supplier of security fasteners and fixings, Hafren Fasteners are committed to servicing the requirements of the tamper-resistant fastener market. This represents customers who rightly expect the very best in terms of quality, design, technology, service and individuality.

Mission

Security fasteners for every application.

Vision

To be the first name in security fasteners; building on, expanding and continually enhancing our already unrivalled brand together with our industry leading service.



Kinmar® Permanent

The ultimate high security patented one-way nut.

1
WAY

This patented permanent nut requires a matching driver socket for installation giving you guaranteed torque levels and can be re-torqued if required. Not governed by a shear point and leaving no unplated surfaces, it leaves a clean smart finish.

- Stocked in Case Hardened Steel Zinc Plated (CR-3) and Geomet®, also stocked in A2 Stainless Steel
- Kinmar® Permanent drive is also stocked in bolt form M8 x 25mm / M8 x 40mm
- Other materials and finishes available to order subject to minimum order quantities



How it works:



Stock Range:

Box Qty 100

Material \ Size	M5	M6	M8	M10	M12
Zinc Plated	■	■	■	■	■
Geomet®			■	■	■
A2 Stainless	■	■	■	■	■
Driver Size	KM6P	KM6P	KM8P	KM10P	KM12P

Kinmar® Removable

Unique Hafren segment shaped nut. The ultimate two-way patented security nut – extra resilient to attack.

2
WAY

This patented removable nut requires a matching driver socket for installation and removal. This cost effective nut has a smooth aesthetically pleasing design which makes it an extremely versatile nut.

- Stocked in Case Hardened Steel Zinc Plated (CR-3) and Geomet®, also stocked in A2 Stainless Steel
- Kinmar® Removable drive is also stocked in bolt form M8 x 25mm / M8 x 40mm
- Other materials and finishes available to order subject to minimum order quantities



How it works:



Stock Range:

Box Qty 100

Material \ Size	M5	M6	M8	M10	M12
Zinc Plated	■	■	■	■	■
Geomet®		■	■	■	■
A2 Stainless	■	■	■	■	■
Driver Size	KM6R	KM6R	KM8R	KM10R	KM12R



The Nogo™ is a 2-part enclosure offering the highest security for any nut or bolt.

This patented product doesn't require any specialist tools; you simply hammer the cap into the base making access to the enclosed nut or bolt near impossible.

- Has been Home Office approved and has won the Sold Secure Silver Award
- Stocked in Case Hardened Steel Zinc Plated (CR-3)

How it works:



TYPE 1:
For bolts and screws

TYPE 2:
For protruding studs



Stock Range:

Type \ Size	M5	M6	M8	M10	M12
Type 1	■	■	■	■	■
Type 2	■	■	■	■	■



Thread forming screws manufactured with a 'unique' 6-Lobe Pin drive.

Thread forming screws (sometimes known as 'Self threading'). Features a tri-lobular thread body that has a triangular cross-section rather than a circular one. The tri-lobular thread eliminates the need for nuts and pre-tapped holes, reducing labour costs & installation time.

- Stocked in Geomet® 500 B Coated Case Hardened Steel
- Tri-lobular thread resists loosening caused by vibration
- Ideal for fencing and the automotive industry.



Unique Power6™ Tooling
(Not compatible with standard 6-Lobe Pin tooling)



Stock Range:

Box Qty 100

Gauge \ Length	35mm	DRIVER SIZE
M8	■	P6-40

Other sizes available to order



Car Park Security

Kinmar® Removable is an ideal choice for car park applications especially on features including barriers and entry security. It can only be removed with the product specific driver tooling.



**Kinmar®
Removable**

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Playground Anti-theft

Available in two types for both bolts, screws and protruding studs, Nogo can be used to encase any standard fixing to ensure optimum security. It's a one way application which doesn't require special tooling to fit and the Nogo cannot easily be removed once the cap is hammered into the encasement.



Nogo™

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Unique one-way pozidrive security system.

This drive system only operates in a clock- wise motion leaving a permanent finish. Ideal for easy and fast application using standard pozi screwdrivers.

- Stocked in Case Hardened Steel Zinc Plated (CR-3)
- Available in Twinthread Woodscrews
- Other materials, finishes and thread types can be manufactured to order - subject to minimum order quantities

How it works:



Stock Range:

Countersunk | Zinc Plated Twinthread Woodscrews

Box Qty 200

Length		Length								DRIVER SIZE
		3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"		
Gauge		19mm	25mm	32mm	38mm	50mm	63mm	75mm		
6	3.5mm	■	■							PZ2
8	4.2mm	■	■	■	■	■				PZ2
10	4.8mm		■	■	■	■	■			PZ2
12	5.5mm				■	■	■	■		PZ3

Ensures maximum security when clamping two materials together.

These Barrel Nuts (also known as Interscrews) are internally threaded parts that are ideal for clamping two pieces of material together when used with machine screws. Ideal for playground equipment, ironmongery and signage to name a few.

- Manufactured with a 6-Lobe Pin security drive
- Stocked in A2 Stainless Steel
- Available with Button head and Countersunk head



Button Head



Countersunk



6-Lobe Pin Tooling

Stock Range:

Button Head

Box Qty 100

Length		Length						DRIVER SIZE
		10mm	12mm	16mm	20mm	25mm	30mm	
Gauge								
M4		■						T20
M5		■						T25
M6			■			■		T30
M8				■			■	T40
M10					■			T45

Countersunk

Box Qty 100

Length		Length				DRIVER SIZE
		12mm	16mm	20mm	25mm	
Gauge						
M4		▼				T20
M5			▼			T25
M6			▼			T30
M8				▼		T40
M10					▼	T45

This security drive ensures that each and every customer has their own unique 'one-of-a-kind' drive socket.

As there are millions of variations to the Solok™ drive socket, your driver key will be specific to you, therefore enhancing the level of security. Every new user gets a Solok™ code to which their screws and tools are made, meaning even somebody else's Solok™ tools will not fit screws made to your code.

- Engineered to keep other driver bits out
- Full range of Self Tapping and Metric Machine Screws available made to your unique drive code
- Manufactured in Carbon Steel and Stainless Steel
- Available to order in various finishes and other thread types - subject to minimum order quantities



How it works:

Installed using unique-to-you driver tool



Sizes available to order:

Countersunk or Button Head | Machine Screws | From 4 x 3/4" (2.9 x 9.5mm) to 14 x 2" (6.3 x 50mm)

Countersunk or Button Head | Self Tapping Screws | From M3 x 6mm to M16 x 100mm

Varying minimum order quantities and tooling charges apply.

A simple conical collar which renders a standard hexagon nut or bolt tamper resistant.

The Armour Ring™ can be applied to any British or DIN standard hexagon nuts or bolts using a standard hammer or Armour Ring™ installation tool. It leaves a smooth clean finish which is often favoured by Health & Safety executives and isn't governed by a torque level like some one-way fasteners.

- Has been Home Office approved
- Stocked in Steel Zinc Plated (CR-3) and 303 S31 Stainless Steel



Armour Ring™
Installation
Tool



How it works:



Stock Range:

Box Qty 100

Material	Size					
	M6	M8	M10	M12	M16	M20
Zinc Plated	■	■	■	■	■	
Stainless Steel	■	■	■	■	■	■



The Shard

The 6-Lobe Pin Barrel Nut was used extensively throughout The Shard build to provide maximum security when clamping materials together.

It's special head design offers peace of mind against theft and unauthorised tampering. These Hafren nuts also enjoy some of the best views in town!



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Shear Nuts

1
WAY

The Shear System is a high security permanent fastener.

Both the Shear Nut and the Shear Bolt have a hexagon part which shears off at a predetermined torque. Installed using standard hex socket or spanner. Once installed, the Shear Nut leaves a tamper resistant cone.

- Shear Nuts stocked in;
Zinc Plated (CR-3) Steel
Galvanised Steel
A2 Stainless Steel
A4 Stainless Steel



Stock Range:

Box Qty 100

Material \ Size	M4	M5	M6	M8	M10	M12	M16	M20	M24
Zinc Plated Steel			■	■	■	■	■	■	■
Galvanised				■	■	■	■	■	■
A2 Stainless Steel	■	■	■	■	■	■	■	■	
A4 Stainless Steel			■	■	■	■	■		

Shear Bolts

1
WAY

The Shear System is a high security permanent fastener.

Both the Shear Bolt and the Shear Nut have a hexagon part which shears off at a predetermined torque. Installed using standard hex socket or spanner. Once installed, the Shear Bolt leaves a tamper resistant head.

- Shear Bolts can also be manufactured to order in most common materials and finishes



How it works:



Stock Range:

Button Head | A2 Stainless Steel

Box Qty 50

Length Gauge									Shear Torque	
	16mm	25mm	30mm	40mm	50mm	60mm	80mm	A/F	Lb/ft	nm
M6	■	■		■	■			10mm	5-9	7-14
M8		■	■	■		■	■	14mm	10-15	14-20
M10			■		■			17mm	23-28	31-38
M12		■				■		19mm	38-44	52-60

Self Drillers

Self Drilling Screws manufactured with a 6-Lobe Pin drive.



Drilling tips provide fast and easy application eliminating the need to pre-drill. Installed and removed using 6-Lobe Pin tooling.

- Stocked in Delta Protekt® Coated Steel



6-Lobe Pin Tooling



Countersunk Head



Pan Head



Stock Range:

Countersunk Head

Box Qty 100

Gauge	Length	1/2"	3/4"	1"	1 1/2"	2"	DRIVER SIZE
		13mm	19mm	25mm	38mm	50mm	
8	4.2mm	■	■	■	■		T20
10	4.8mm		■	■	■	■	T25
12	5.5mm			■	■	■	T27

Pan Head

Box Qty 100

Gauge	Length	1/2"	3/4"	1"	1 1/2"	2"	DRIVER SIZE
		13mm	19mm	25mm	38mm	50mm	
8	4.2mm	■	■	■	■		T20
10	4.8mm		■	■	■	■	T25
12	5.5mm			■	■	■	T27

Drill Point Information:

Gauge (Point size)	8 (2)	10 (3)	12 (3)
Material thickness Mild steel up to (mm)	1 + 2	2 + 2	2 + 3

All sizes shown are without min and max tolerances and are guide sizes.

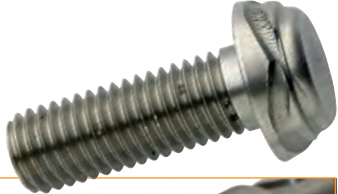
Scroll™ Nut

High security removable nut with a unique 'Scroll' drive.



The rounded design of this nut gives no sharp angles to provide grip for normal hand tools. It can only be installed and removed using the matching Scroll™ driver socket. Patented Scroll™ design is interesting and pleasing to the eye.

- Stocked in 303 S31 Stainless Steel
- Scroll™ drive available to order in bolt form
- The smallest and largest security nut available from stock – M3 to M30



How it works:



Installed using matching driver socket

Stock Range:

Box Qty 50

Size	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30
Material Stainless Steel	■	■	■	■	■	■	■	■	■	■	■



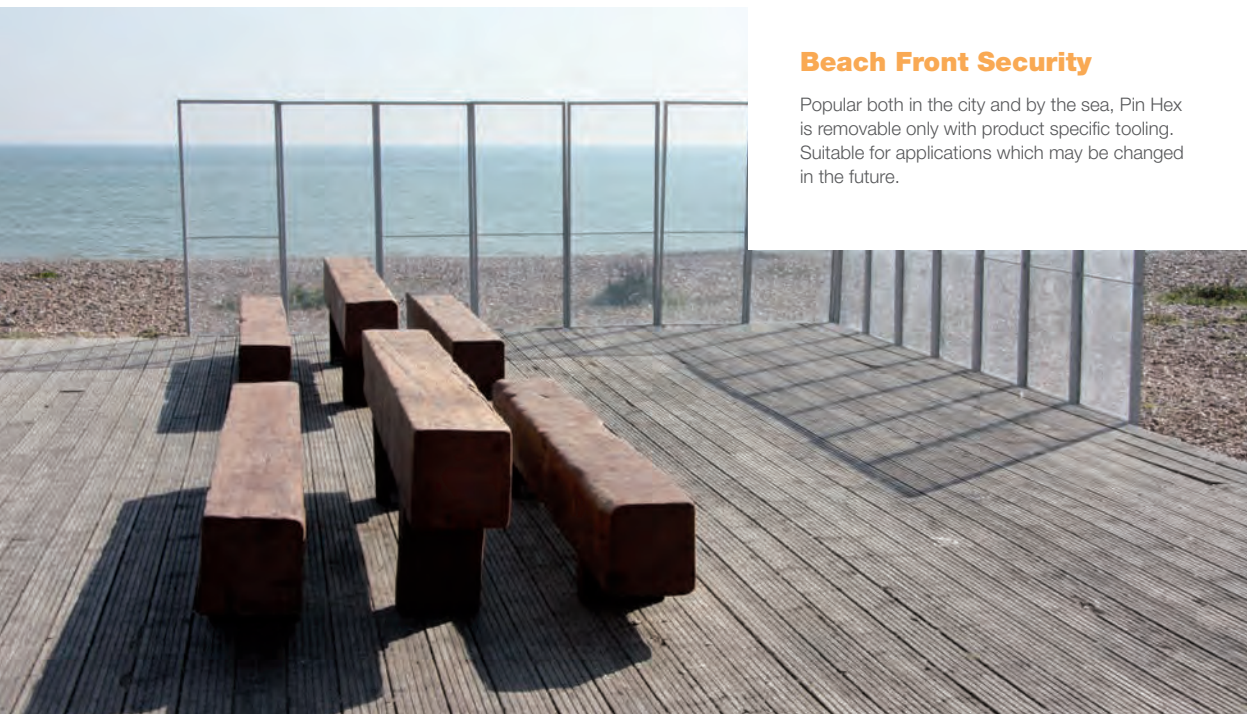
Street Furniture

Available in a wide range of finishes, the Shear Nut is the chosen security fixing for street signage fittings around London. The tamper-resistant cone eliminates the threat of theft.



Shear Nuts

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Beach Front Security

Popular both in the city and by the sea, Pin Hex is removable only with product specific tooling. Suitable for applications which may be changed in the future.



Pin Hex



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Expanding fixings giving fast and easy application for heavy duty security.

Security Anchors save time and money when fixing applications that require a firm hold. They are suitable for fixing to a wide range of base materials such as brick, concrete, stone and masonry. Available in both permanent and removable options... for a hold that stays.



1. Countersunk
A2 6-Lobe Pin
Sleeve Anchor



2. Button Head
A2 6-Lobe Pin
Sleeve Anchor



4. Kinmar® Removable
Steel Zinc Plated
Sleeve Anchor



3. Kinmar® Permanent
Steel Zinc Plated
Sleeve Anchor

Stock Range:

Box Qty 50

Size	Style	Anchor Option			
		1	2	3	4
M6 x 45mm			■	■	■
M6 x 50mm		■			
M8 x 50mm				■	■
M8 x 55mm		■	■		
M8 x 60mm				■	■
M8 x 65mm					
M8 x 70mm				■	■
M8 x 75mm			■		
M8 x 80mm		■			
M8 x 90mm				■	■
M10 x 60mm		■		■	■
M10 x 65mm			■		
M10 x 70mm				■	■
M10 x 75mm					
M10 x 80mm		■	■	■	■
M10 x 95mm				■	■

Please note these Anchors are not intended for heavy duty structural applications.

Popular aesthetically pleasing drive for any two-way application.

This drive system, sometimes known as Snake Eye® or Pig Nose is designed for low to medium torque applications. It has 2 holes drilled into the head which requires a unique 2-pin matching driver to install and remove it.

- Full range of Self Tapping and Metric Machine Screws stocked in A2 Stainless Steel
- Other styles of fasteners available in the 2-Hole drive system: Barrel Nuts, Male & Female Bolts, Grub Screws, Glass Screws, Large Disc Head Screws.



2-Hole Tooling



Raised
Countersunk
A2 Machine Screw



Countersunk
A2 Self
Tapper

Pan Head
A2 Self Tapper

Countersunk A2
Machine
Screw



Pan Head
A2 Machine Screw

Stock Range:

Countersunk / Pan Head | AB Type Self Tapping Screws

Box Qty 100

Length Gauge		3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	DRIVER SIZE
		9.5mm	13mm	16mm	19mm	25mm	32mm	38mm	50mm	63mm	75mm	
4	2.9mm	■	■	■	■	■	■	■				TH3
6	3.5mm	■	■	■	■	■	■	■				TH4
8	4.2mm	■	■	■	■	■	■	■	■			TH5
10	4.8mm	■	■	■	■	■	■	■	■	■		TH6
12	5.5mm		■			■	■	■	■			TH7
14	6.3mm			■	■	■	■	■	■			TH8

Countersunk / Raised Countersunk / Pan Head |
Metric Machine Screws

Box Qty 100

Length Gauge		6 mm	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm	60 mm	DRIVER SIZE
M3			▼	■	■	■	▼	▼	▼	▼					TH3
M3.5				★			★	★	★	★			★		TH4
M4		■	■	■	■	■	■	■	■	■	■			■	TH5
M5			■	■	■	■	■	■	■	■	■	■		■	TH6
M6					■	■	■	■	■	■	■	■	■	■	TH8
M8															N8
M10															N14

Head Styles

- ▼ Countersunk only ★ Raised Countersunk only
- Pan Head only ■ Countersunk & Pan Head

Widely used vandal deterrent fixing.



This quick and easy to install security fastener is a favourite for applications in recess or channel due to its tall head design.

- Stocked in A2 Stainless Steel



Stock Range:

Box Qty 100

Length	20mm	30mm	40mm	50mm	DRIVER SIZE
Gauge					
M8	■	■	■	■	TRI-8

A hardened, unique shape makes this nut more resilient to attack.



This patented product requires only a standard spanner for installation. Its unique angle shape makes it extremely difficult for vandals to remove it.

- Manufactured and stocked in Zinc Plated (CR-3) Steel



TYPE 1



TYPE 2
(M12 only)



Stock Range:

Box Qty 100

Size	M6	M8	M10	M12
Style				
Type 1	■	■	■	
Type 2				■



Sky Gardens

Widely used throughout cities globally, the 2-Hole is designed for medium torque applications.



2-Hole



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Public Travel Entrance Security

The popular aesthetically pleasing 2-Hole security screws are used extensively on many fixtures and fittings for metro rail transport systems worldwide. They are removable with the unique shaped matching driver tool.



2-Hole



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A favourite for high torque applications.

Successor to the Resistorx, the TORXPlus® has 5 lobes instead of 6, providing a higher level of security.

- Stocked in A2 Stainless Steel
- Available with Button Head and Countersunk Head
- Made to measure specials available



TORXPlus® Tooling



Stock Range:

Countersunk

Box Qty 100

Length		1/2"	3/4"	1"	1 1/4"	1 1/2"	DRIVER SIZE
Gauge		13mm	19mm	25mm	32mm	38mm	
6	3.5mm	■	■	■		■	15IPR
8	4.2mm	■	■	■	■	■	20IPR
10	4.8mm	■	■	■	■	■	25IPR

Button Head

Box Qty 100

Length		1/2"	3/4"	1"	1 1/4"	1 1/2"	DRIVER SIZE
Gauge		13mm	19mm	25mm	32mm	38mm	
6	3.5mm	■	■	■		■	10IPR
8	4.2mm	■	■	■	■	■	15IPR
10	4.8mm		■	■	■	■	25IPR

Button Head



Countersunk Head

The original one-way security drive.

The special ridged design of this drive means that it can only operate in a clockwise motion. Installed using standard slotted screwdriver - no specialist tools required.

- Stocked in; Case Hardened Steel
- Zinc Plated (CR-3) Woodscrews
- A2 Stainless Steel Self Tapping Screws
- A2 Stainless Steel Metric Machine Screws

Round Head
A2 Self Tapper



Countersunk
A2 Self
Tapper



Round Head
A2 Machine
Screw



Countersunk
Zinc Plated
Woodscrew



Removal tool available for Stainless Steel only

Stock Range:

Countersunk | Zinc Plated Woodscrews

Box Qty 200

Length		3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Gauge		19mm	25mm	32mm	38mm	50mm	63mm	75mm
6	3.5mm	■	■					
8	4.2mm	■	■	■	■	■		
10	4.8mm		■	■	■	■		
12	5.5mm				■	■	■	■

Countersunk / Round Head | A2 Stainless Steel
Self Tapping Screws

Box Qty 100

Length		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Gauge		13mm	19mm	25mm	32mm	38mm	50mm
6	3.5mm	■	■	■			
8	4.2mm	■	■	■	■	■	■
10	4.8mm	■	■	■	■	■	■
14	6.3mm	■	■	■		■	■

Round Head | A2 Stainless Steel Metric Machine Screws

Box Qty 100

Length		8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm	60 mm
Gauge													
M4		■	■	■	■	■	■	■	■	■	■		
M5			■	■	■	■	■	■	■	■	■	■	
M6				■	■	■	■	■	■	■	■	■	■
M8				■	■	■	■	■	■	■	■	■	■

Head Styles

- Round Head only
- Countersunk & Round Head

Pin Hex

Hexagon socket screws manufactured with an internal pin.

2
WAY

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

- Full range of AB Self Tapping and Metric Machine Screws stocked in A2 Stainless Steel
- Other styles of fasteners in the Pin Hex drive system: Socket Cap Screws, Grub Screws and Barrel Nuts



Stock Range:

Countersunk / Button Head | AB Type Self Tapping Screws Box Qty 100

Length Gauge	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	DRIVER SIZE
6	3.5mm	■	■	■	■		■				2mm
8	4.2mm	▲	■	■	■	■	■	■			2.5mm
10	4.8mm		■	■	■	■	■	■	■		3mm
12	5.5mm				■	■	■	■	■		4mm
14	6.3mm				■	■	■	■	■		4mm

Countersunk / Raised Countersunk / Button Head | Metric Machine Screws Box Qty 100

Length Gauge	6 mm	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm	60 mm	80 mm	100 mm	120 mm	DRIVER SIZE
M3	■		■	■	■	■											2mm
M3.5				★	★	★	★		★	★	★						H30
M4	▲	■	■	■	■	■	■	■	■	■							2.5mm
M5		▼	■	■	■	■	■	■	■	■	■	■	■	■			3mm
M6		▼	■	■	■	■	■	■	■	■	■	■	■	■			4mm
M8				■	■	■	■	■	■	■	▼	■	■	■			5mm
M10					▲	■	■	■	■	■	■	■	■	■	▲		6mm
M12						■	■	■	▲	■	■	■	■	■	▲	▲	8mm

Head Styles

- ▼ Countersunk only
- ▲ Button Head only
- ★ Raised Countersunk only
- Countersunk & Button Head

6-Lobe Pin

6-Lobe recess manufactured with an internal pin.

2
WAY

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

- Full range of AB Self Tapping and Metric Machine Screws stocked in A2 Stainless Steel
- Other styles of fasteners in the 6-Lobe Pin drive system
 - Barrel Nuts
 - Grub Screws
 - Concrete Tapping Screws
 - Tri-Lobular Metal Thread Screw/Taptite
 - Plastic Tapping Screws



Stock Range:

Countersunk / Button Head | AB Type Self Tapping Screws Box Qty 100

Length Gauge	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"	4"	DRIVER SIZE
4	2.9mm	■	▼	■	▼								T10
6	3.5mm	▲	■	■	▼	■							T10/T15
8	4.2mm	■	■	■	■	■	■	▼	■	▼			T15/T20
10	4.8mm	▲	■	■	■	■	■		■	▼	▼	▼	T25
12	5.5mm			▼	■	■	■		■	■	■		T27
14	6.3mm			■	■	■	■		■				T30

Countersunk / Raised Countersunk / Button Head | Metric Machine Screws Box Qty 100

Length Gauge	6 mm	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm	55 mm	60 mm	65 mm	70 mm	75 mm	80 mm	100 mm	DRIVER SIZE
M3	■	■	■	■	■	■	▲													T10
M3.5				★	★	★	★	★	★	★	★							★		T10
M4	■	■	■	■	■	■	■	■	■	■	■	■	■	■			▼			T20
M5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			▼		T25
M6	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			■		T30
M8		▲	▲	■	■	■	■	■	■	■	■	■	■	■	■			▲	▲	T40
M10				▲	▲	▲	■	■	■	■	■	■	■	■	■	▲	▲	▲	▲	T45

Head Styles

- ▼ Countersunk only
- ▲ Button Head only
- ★ Raised Countersunk only
- Countersunk & Button Head

We are able to offer a bespoke made to measure range of security fasteners.

With all types of specials, minimum order quantities and varying lead times apply depending on your size and material requirements. We have listed some available thread types, materials and finishes, but you may be looking for something totally different and unique. If so, send us your drawings and samples and we'll get you a quote.

Materials
■ A2 Stainless Steel
■ A4 Stainless Steel
■ Carbon Steel
■ Aluminium
■ Brass
■ A1 303

Plating
■ Polished
■ Zinc & Yellow
■ Zinc Plated
■ Chrome Plated
■ Galvanised/Geomet®
■ Black Passivated
■ Brass Plated
■ Nickel Plated

Thread Types
■ Self Drilling Screws
■ Self Tapping Screws: <ul style="list-style-type: none">■ AB Type■ B Type
■ Machine Screws: <ul style="list-style-type: none">■ Metric■ Imperial■ British Standard
■ Woodscrews: <ul style="list-style-type: none">■ Single Thread■ Twinthread■ Hi-Lo thread
■ Thread forming Screws: <ul style="list-style-type: none">■ Tri-Lobal■ Paint Clearing■ Plastic Forming
■ Dog Point Screws

Head Shapes
■ Button Head
■ Countersunk
■ Pan Head
■ Raised Countersunk
■ Round Head
■ Flange Button Head

Patching/Painted Heads
■ Painted Heads
■ Powder Coated
■ Thread Patching
■ Thread Lubrication
■ Thread Locking





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