

Hafren

security fasteners

Edition 10
In-Stock Product Guide



'security fasteners for every application'

Contents

	Welcome to Hafren		2
	Specifying & Ordering Hafren Security Fasteners		5
	2-Hole Screws		6
	Pin Hex Screws		8
	6-Lobe Pin Screws		10
	6-Lobe Pin Self Drilling Screws		12
	6-Lobe Pin Barrel Nuts		13
	Clutch Head Screws		14
	Sentinel® Screws		16
	Oval Pan Head Screws		18
	Torxplus® Screws		20
	Tri-Head Screws		21
	Solok™ Screws		22
	Nogo™ Enclosures		24
	Kinmar® Permanent System		26
	Kinmar® Removable System		28
	Armour Ring™		30
	Shear Nuts & Saddle Bolts		32
	Shear Bolts		34
	Tufnuts		35
	Scroll™ Nut System		36
	Sleeve Anchors	 	38
	Shield Anchors	 	40
	Bespoke Specials	 	42
	Tooling		46
	Technical		48
	Application Advice		50
	Promotional		51

Welcome to Hafren

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.



Hafren
security fasteners

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.

What are security fasteners?



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

Why you need security fasteners...

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

Safety - Deal with stringent Health & Safety laws, keep the public and workplaces safe.

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



Who uses them and where?



Hafren Service

Whatever you need to know about security fasteners, there's nobody better to turn to than Hafren. Unrivalled **experience** built up over many years has given us the **knowledge**, **understanding** and **expertise** to help. Quality **patented** products with technical sales and marketing back-up are high on our list of priorities. Our extensive stock holding and competitive pricing combine to give you outstanding customer service.

Wide Range



Extensive Stock Levels



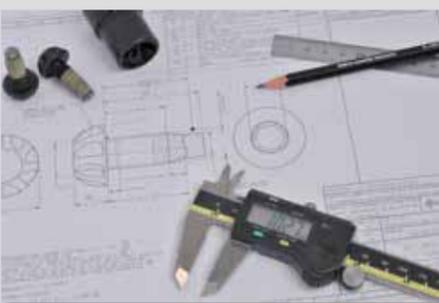
Same-day Despatch



Expert Sales Team



Advice & Design



Promotional Material



Specifying & Ordering Hafren Security Fasteners

Here is some useful information to assist you in specifying and ordering the correct Hafren security fasteners.

Does it need to be removable?

(With a special matching removal tool)

If yes, look for the  logo

If no, look for the  logo

Head style?

It is important to know the head style you need as well as the security drive.



Button

Pan

Countersunk

Raised Countersunk

What length?

Depending on the head shape of a screw, the length measurement is taken from a different point.



Button/Pan

Countersunk

Raised Countersunk

(From underside of the head)

(From top of the head)

(From top of Countersunk part)

Thread type?

Thread type will be guided by your application.



Self Tapping Screw

Self Drilling Screw

Machine Screw

Metric & Imperial

Self Tapping Screws, Woodscrews and Self Drilling Screws are stocked as Imperial sizes but are often referred to in metric equivalents.

Length	
Imperial	Metric
3/8"	9.5mm
1/2"	13mm
5/8"	16mm
3/4"	19mm
1"	25mm
1 1/4"	32mm
1 1/2"	38mm
2"	50mm
2 1/2"	63mm
3"	75mm
4"	100mm

Gauge	
Imperial	Metric
4	2.9
6	3.5
8	4.2
10	4.8
12	5.5
14	6.3



T: +44 (0)1686 621 300

F: +44 (0)1686 621 800

E: info@hafrenfasteners.com

W: hafrenfasteners.com

So when it comes to security, peace of mind, unrivalled quality, specify Hafren.



Rail Stations



Signage



Airports



Street Furniture



Attractions



Prisons



Automotive



Shopping Centres



Public Transport



Playgrounds



2-Hole

2-Hole security screws (sometimes known as Snake Eye® or Pig Nose) are designed for low to medium torque applications. They have two holes drilled into the head which require a unique 2-pin driver to install and remove. With an aesthetically pleasing head design, they are often specified by architects and designers. Available from stock in AB type self tapping screws and metric machine screws as shown below.

Requires matching tooling See page 46

Head dimensions See page 48



Manufactured in A2 stainless steel.



COUNTERSUNK ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	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	THCS04C	THCS04D	THCS04E	THCS04F	THCS04G	THCS04H	THCS04I				TH3
6	3.5mm	THCS06C	THCS06D	THCS06E	THCS06F	THCS06G	THCS06H	THCS06I	THCS06J			TH4
8	4.2mm	THCS08C	THCS08D	THCS08E	THCS08F	THCS08G	THCS08H	THCS08I	THCS08J			TH5
10	4.8mm		THCS10D	THCS10E	THCS10F	THCS10G	THCS10H	THCS10I	THCS10J	THCS10K		TH6
12	5.5mm					THCS12G	THCS12H	THCS12I	THCS12J			TH7
14	6.3mm			THCS14E	THCS14F	THCS14G	THCS14H	THCS14I	THCS14J			TH8

PAN HEAD ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	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	THPS04C	THPS04D	THPS04E	THPS04F	THPS04G		THPS04I				TH3
6	3.5mm	THPS06C	THPS06D	THPS06E	THPS06F	THPS06G	THPS06H	THPS06I	THPS06J			TH4
8	4.2mm	THPS08C	THPS08D	THPS08E	THPS08F	THPS08G	THPS08H	THPS08I	THPS08J			TH5
10	4.8mm	THPS10C	THPS10D	THPS10E	THPS10F	THPS10G	THPS10H	THPS10I	THPS10J	THPS10K		TH6
12	5.5mm		THPS12D			THPS12G	THPS12H	THPS12I	THPS12J			TH7
14	6.3mm			THPS14E	THPS14F	THPS14G	THPS14H	THPS14I	THPS14J			TH8

COUNTERSUNK ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	8mm	10mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	DRIVER SIZE
		M3	THCM 0308	THCM 0310	THCM 0312	THCM 0316	THCM 0320	THCM 0325	THCM 0330	THCM 0335	
M4		THCM 0410	THCM 0412	THCM 0416	THCM 0420	THCM 0425	THCM 0430	THCM 0435			TH5
M5			THCM 0512	THCM 0516	THCM 0520	THCM 0525	THCM 0530	THCM 0535			TH6
M6			THCM 0612	THCM 0616	THCM 0620	THCM 0625	THCM 0630		THCM 0640		TH8
M8		TO ORDER ONLY									N8
M10		TO ORDER ONLY									N14

PAN HEAD ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	DRIVER SIZE
		M3				THPM 0310	THPM 0312	THPM 0316				
M4		THPM 0406		THPM 0410	THPM 0412	THPM 0416	THPM 0420	THPM 0425	THPM 0430			TH5
M5					THPM 0512	THPM 0516	THPM 0520	THPM 0525	THPM 0530			TH6
M6					THPM 0612	THPM 0616	THPM 0620	THPM 0625	THPM 0630		THPM 0640	TH8
M8		TO ORDER ONLY									N8	
M10		TO ORDER ONLY									N14	

RAISED COUNTERSUNK ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	12mm	25mm	30mm	40mm	50mm	DRIVER SIZE
		M3.5	THRM 3512	THRM 3525	THRM 3530	THRM 3540	



DID YOU KNOW . . .

- Self Tapping Screws can be substituted for Woodscrews
- The entire roof glazing at Canary Wharf Station is held by 2-Hole fasteners
- Imperial Machine Screws are widely used in computing equipment

2-HOLE MADE TO MEASURE SPECIALS
(Subject to minimum order quantities)



- Male & Female Bolts
- Grub Screws
- Large Disc Head
- Glass Screws
- Imperial Machine Screws unc & unf

SEE SPECIALS PAGES 42-45





Pin Hex

Pin Hex security screws have been manufactured with an internal pin within the standard socket aperture. This prevents removal with standard hexagon keys. This system is suitable for medium torque applications and is one of the most difficult screws to remove without the matching driver. Available from stock in AB type self tapping screws and metric machine screws as shown below and anchor systems (see pages 40-41).

Requires matching tooling See page 47

Head dimensions See page 48



Pin Hex

Manufactured in A2 stainless steel.



COUNTERSUNK ■ AB TYPE SELF TAPPING SCREWS BOX QTY 100



GAUGE	LENGTH	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	
6	3.5mm	PHCS 06C	PHCS 06D	PHCS 06E	PHCS 06F	PHCS 06G		PHCS 06I				H30
8	4.2mm		PHCS 08D	PHCS 08E	PHCS 08F	PHCS 08G	PHCS 08H	PHCS 08I	PHCS 08J			H40
10	4.8mm		PHCS 10D	PHCS 10E	PHCS 10F	PHCS 10G	PHCS 10H	PHCS 10I	PHCS 10J	PHCS 10K		H40
12	5.5mm				PHCS 12F	PHCS 12G	PHCS 12H	PHCS 12I	PHCS 12J			H40
14	6.3mm				PHCS 14F	PHCS 14G	PHCS 14H	PHCS 14I	PHCS 14J			H40

BUTTON HEAD ■ AB TYPE SELF TAPPING SCREWS BOX QTY 100



GAUGE	LENGTH	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	
6	3.5mm	PHBS 06C	PHBS 06D	PHBS 06E	PHBS 06F	PHBS 06G		PHBS 06I				H30
8	4.2mm	PHBS 08C	PHBS 08D	PHBS 08E	PHBS 08F	PHBS 08G	PHBS 08H	PHBS 08I	PHBS 08J			H40
10	4.8mm		PHBS 10D	PHBS 10E	PHBS 10F	PHBS 10G	PHBS 10H	PHBS 10I	PHBS 10J	PHBS 10K		H40
12	5.5mm				PHBS 12F	PHBS 12G	PHBS 12H	PHBS 12I	PHBS 12J			H40
14	6.3mm				PHBS 14F	PHBS 14G	PHBS 14H	PHBS 14I	PHBS 14J			H40

COUNTERSUNK ■ METRIC MACHINE SCREWS BOX QTY 100



GAUGE	LENGTH	8mm	10mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	50mm	60mm	DRIVER SIZE
		M3			PHCM 0310	PHCM 0312	PHCM 0316	PHCM 0320					
M4		PHCM 0408	PHCM 0410	PHCM 0412	PHCM 0416	PHCM 0420	PHCM 0425	PHCM 0430		PHCM 0440			H40
M5		PHCM 0508	PHCM 0510	PHCM 0512	PHCM 0516	PHCM 0520	PHCM 0525	PHCM 0530		PHCM 0540	PHCM 0550	PHCM 0560	H40
M6		PHCM 0608	PHCM 0610	PHCM 0612	PHCM 0616	PHCM 0620	PHCM 0625	PHCM 0630		PHCM 0640	PHCM 0650	PHCM 0660	H40
M8				PHCM 0812	PHCM 0816	PHCM 0820	PHCM 0825	PHCM 0830	PHCM 0835	PHCM 0840	PHCM 0850	PHCM 0860	H50
M10						PHCM 1020	PHCM 1025	PHCM 1030		PHCM 1040	PHCM 1050	PHCM 1060	H60
M12						PHCM 1220	PHCM 1225	PHCM 1230		PHCM 1240	PHCM 1250	PHCM 1260	H80

BUTTON HEAD ■ METRIC MACHINE SCREWS BOX QTY 100



GAUGE	LENGTH	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	60 mm	80 mm	100 mm	120 mm	DRIVER SIZE
		M3			PHBM 0310	PHBM 0312	PHBM 0316	PHBM 0320								
M4		PHBM 0408	PHBM 0410	PHBM 0412	PHBM 0416	PHBM 0420	PHBM 0425	PHBM 0430		PHBM 0440						H40
M5			PHBM 0510	PHBM 0512	PHBM 0516	PHBM 0520	PHBM 0525	PHBM 0530		PHBM 0540	PHBM 0550	PHBM 0560				H40
M6			PHBM 0610	PHBM 0612	PHBM 0616	PHBM 0620	PHBM 0625	PHBM 0630		PHBM 0640	PHBM 0650	PHBM 0660				H40
M8				PHBM 0812	PHBM 0816	PHBM 0820	PHBM 0825	PHBM 0830	PHBM 0835	PHBM 0840	PHBM 0850	PHBM 0860				H50
M10					PHBM 1016	PHBM 1020	PHBM 1025	PHBM 1030		PHBM 1040	PHBM 1050	PHBM 1060		PHBM 10100		H60
M12						PHBM 1220	PHBM 1225	PHBM 1230		PHBM 1240	PHBM 1250	PHBM 1260	PHBM 1280	PHBM 12120		H80

RAISED COUNTERSUNK ■ METRIC MACHINE SCREWS BOX QTY 100



GAUGE	LENGTH	12mm	20mm	25mm	30mm	40mm	50mm	60mm	DRIVER SIZE
		M3.5	PHRM 3512	PHRM 3520	PHRM 3525	PHRM 3530	PHRM 3540	PHRM 3550	



DID YOU KNOW . . .

- Self Tapping Screws can be substituted for Woodscrews
- Hafren go the extra length . . . M10 x 100mm in Button Head Machine Screws from stock

PIN HEX SOCKET MADE TO MEASURE SPECIALS (Subject to minimum order quantities)



- Socket Cap Screws
- Grub Screws
- Barrel Nuts
- Other materials
- Plating to any finish

SEE SPECIALS PAGES 42-45





6-Lobe Pin

6-Lobe Pin security screws (sometimes known as Star Drive Pin, Pin Torx, or Resistorx[®]) are suitable for higher torque applications. These are manufactured with a central pin inside the six-lobe recess preventing removal with standard torx tools. Stocked in the largest range available including AB type self tapping screws, metric machine screws, self drilling screws (see page 10-11) and anchor systems (see page 39).

Requires matching tooling See page 47

Head dimensions See page 49



6-Lobe Pin

Manufactured in A2 stainless steel.



COUNTERSUNK ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	DRIVER SIZE
		13mm	16mm	19mm	25mm	32mm	38mm	50mm	63mm	75mm	100mm	
4	2.9mm	RTCS04D		RTCS04F	RTCS04G							T10
6	3.5mm	RTCS06D	RTCS06E	RTCS06F	RTCS06G	RTCS06H	RTCS06I					T15
8	4.2mm	RTCS08D	RTCS08E	RTCS08F	RTCS08G	RTCS08H	RTCS08I	RTCS08J	RTCS08K			T20
10	4.8mm	RTCS10D	RTCS10E	RTCS10F	RTCS10G	RTCS10H	RTCS10I	RTCS10J	RTCS10K	RTCS10L	RTCS10N	T25
12	5.5mm				RTCS12G	RTCS12H	RTCS12I	RTCS12J	RTCS12K	RTCS12L		T27
14	6.3mm			RTCS14F	RTCS14G	RTCS14H	RTCS14I	RTCS14J				T30

BUTTON HEAD ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	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	
6	3.5mm	RTBS06C	RTBS06D	RTBS06E	RTBS06F	RTBS06G		RTBS06I				T10
8	4.2mm	RTBS08C	RTBS08D	RTBS08E	RTBS08F	RTBS08G	RTBS08H	RTBS08I	RTBS08J			T15
10	4.8mm		RTBS10D	RTBS10E	RTBS10F	RTBS10G	RTBS10H	RTBS10I	RTBS10J			T25
12	5.5mm					RTBS12G	RTBS12H	RTBS12I	RTBS12J	RTBS12K	RTBS12L	T27
14	6.3mm				RTBS14F	RTBS14G	RTBS14H	RTBS14I	RTBS14J			T30

COUNTERSUNK ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	50mm	55mm	60mm	70mm	80mm	DRIVER SIZE
		M3	RTCM 0306	RTCM 0308	RTCM 0310	RTCM 0312	RTCM 0316	RTCM 0320	RTCM 0325								
M4	RTCM 0406	RTCM 0408	RTCM 0410	RTCM 0412	RTCM 0416	RTCM 0420	RTCM 0425	RTCM 0430		RTCM 0440	RTCM 0450				RTCM 0470		T20
M5		RTCM 0508	RTCM 0510	RTCM 0512	RTCM 0516	RTCM 0520	RTCM 0525	RTCM 0530		RTCM 0540	RTCM 0550					RTCM 0580	T25
M6		RTCM 0608	RTCM 0610	RTCM 0612	RTCM 0616	RTCM 0620	RTCM 0625	RTCM 0630		RTCM 0640	RTCM 0650					RTCM 0680	T30
M8					RTCM 0816	RTCM 0820	RTCM 0825	RTCM 0830		RTCM 0840	RTCM 0850	RTCM 0855	RTCM 0860			RTCM 0880	T40
M10							RTCM 1025		RTCM 1035	RTCM 1040	RTCM 1050		RTCM 1060			RTCM 1080	T45

BUTTON HEAD ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	6 mm	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	55 mm	60 mm	65 mm	70 mm	75 mm	80 mm	100 mm	DRIVER SIZE
		M3	RTBM 0306	RTBM 0308	RTBM 0310	RTBM 0312	RTBM 0316	RTBM 0320	RTBM 0325											
M4	RTBM 0406	RTBM 0408	RTBM 0410	RTBM 0412	RTBM 0416	RTBM 0420	RTBM 0425	RTBM 0430		RTBM 0440	RTBM 0450									T20
M5		RTBM 0508	RTBM 0510	RTBM 0512	RTBM 0516	RTBM 0520	RTBM 0525	RTBM 0530		RTBM 0540	RTBM 0550									T25
M6		RTBM 0608	RTBM 0610	RTBM 0612	RTBM 0616	RTBM 0620	RTBM 0625	RTBM 0630	RTBM 0635	RTBM 0640	RTBM 0650		RTBM 0660					RTBM 0680		T30
M8					RTBM 0812	RTBM 0816	RTBM 0820	RTBM 0825	RTBM 0830	RTBM 0835	RTBM 0840	RTBM 0850	RTBM 0855	RTBM 0860			RTBM 0875	RTBM 0880	RTBM 08100	T40
M10						RTBM 1020	RTBM 1025	RTBM 1030	RTBM 1035	RTBM 1040	RTBM 1050		RTBM 1060	RTBM 1065	RTBM 1070		RTBM 1080			T45

RAISED COUNTERSUNK ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH	12 mm	20 mm	25 mm	30 mm	35 mm	40 mm	50 mm	75 mm	DRIVER SIZE
		M3.5	RTRM 3512	RTRM 3520	RTRM 3525	RTRM 3530	RTRM 3535	RTRM 3540	RTRM 3550	



DID YOU KNOW ...

- Self Tapping Screws can be substituted for Woodscrews
- Hafren go the extra length again . . . No.12 x 3" Button Head and Countersunk Self Tappers ex-stock
- Health and safety even stipulate that handles on kayaks must have security screws on them

6-LOBE PIN MADE TO MEASURE SPECIALS (Subject to minimum order quantities)



- Can be made in steel and plated to your specification
- Barrel Nuts
- Grub Screws
- Concrete Tapping Screws
- Tri-Lobular Metal Thread Screws
- Plastic Tapping Screws

SEE SPECIALS PAGES 42-45





6-Lobe Pin Self Drilling Screws

Self drilling screws manufactured in a 6-Lobe Pin security drive (sometimes known as Star Drive Pin, Pin Torx or Resistorx®). Self drilling tips provide fast and easy application eliminating the need to pre-drill.

Requires matching tooling See page 47



INSERT BITS

Manufactured in case hardened Delta Protekt® plated steel.

Self Drilling Screws

COUNTERSUNK ■ DELTA PROTEKT® PLATED BOX QTY 100

GAUGE	LENGTH	1/2"	3/4"	1"	1 1/2"	2"	DRIVER SIZE
		13mm	19mm	25mm	38mm	50mm	
8	4.2mm	RTCD08D -DP	RTCD08F -DP	RTCD08G -DP	RTCD08I -DP		T20
10	4.8mm		RTCD10F -DP	RTCD10G -DP	RTCD10I -DP	RTCD10J -DP	T25
12	5.5mm			RTCD12G -DP	RTCD12I -DP	RTCD12J -DP	T27



PAN HEAD ■ DELTA PROTEKT® PLATED BOX QTY 100

GAUGE	LENGTH	1/2"	3/4"	1"	1 1/2"	2"	DRIVER SIZE
		13mm	19mm	25mm	38mm	50mm	
8	4.2mm	RTPD08D -DP	RTPD08F -DP	RTPD08G -DP	RTPD08I -DP		T20
10	4.8mm		RTPD10F -DP	RTPD10G -DP	RTPD10I -DP	RTPD10J -DP	T25
12	5.5mm			RTPD12G -DP	RTPD12I -DP	RTPD12J -DP	T27



SELF DRILLING SCREWS TECHNICAL INFO (mm)

HEAD STYLE	GAUGE	No. 8	No. 10	No. 12
		4.2mm	4.8mm	5.5mm
COUNTERSUNK HEAD		7.9	9.3	10.6
		3.0	3.2	3.7
PAN HEAD		7.9	9.3	10.6
		2.9	3.4	3.9
POINT SIZE		2	3	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.



6-Lobe Pin Barrel Nuts

Barrel Nuts (sometimes known as Inter-Screws) are internally threaded parts that are ideal for clamping two pieces of material together when used with machine screws. Manufactured with a 6-Lobe Pin security drive.

Requires matching tooling See page 47



INSERT BITS

KEY WRENCH

ONE-PIECE SCREWDRIVER

Manufactured in A2 stainless steel.

Barrel Nut

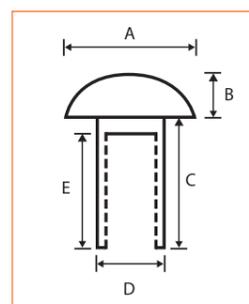
BUTTON HEAD ■ A2 STAINLESS STEEL BOX QTY 100

GAUGE	LENGTH	10mm	12mm	16mm	20mm	25mm	30mm	DRIVER SIZE
		M4	RTBBN 0410					
M5	RTBBN 0510							T25
M6			RTBBN 0612			RTBBN 0625		T30
M8				RTBBN 0816			RTBBN 0830	T40
M10					RTBBN 1020			T45



BARREL NUTS TECHNICAL INFO (mm)

DIMENSION	SIZE	M4	M5	M6	M6	M8	M8	M10
		10mm	10mm	12mm	25mm	16mm	30mm	20mm
A		10	10	12	12	14.3	14.3	18
B		2.8	3.3	4.4	4.4	5	5	5.8
C		9	10	12	25	16	30	20
D		5.2	6.3	8	8	10	10	12.5
E		6	6	9	20	12	25	14



Also available in Countersunk Head 3-4 weeks - please enquire



IDEAL FOR . . .

- Playground Equipment
- Ironmongery
- Door & Furniture Fixings
- Cabinet Makers
- Signage
- Glass Fixings
- Street Furniture





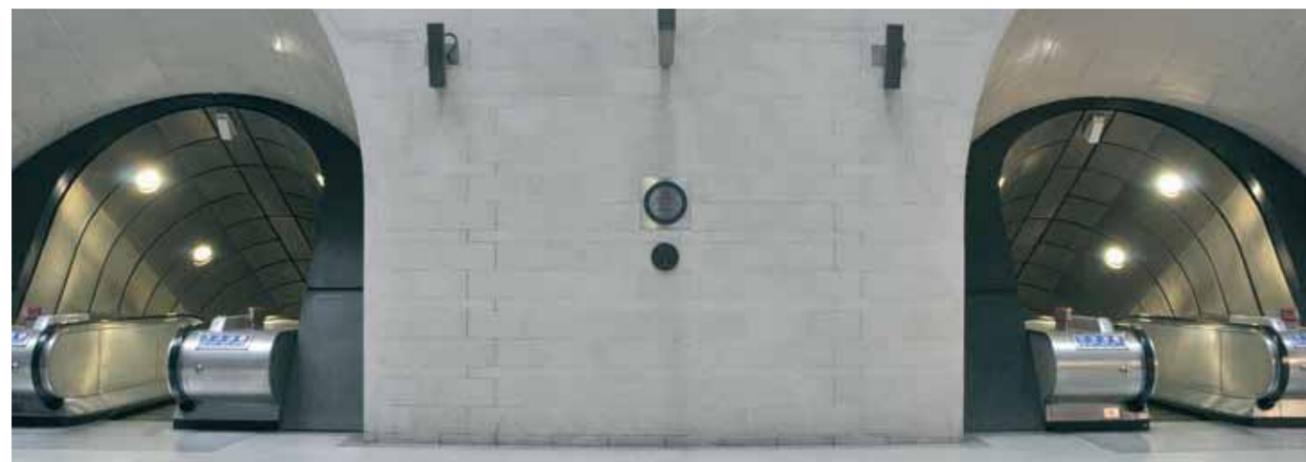
Clutch Head

Clutch Head one-way screws only operate in a clockwise motion using a standard screwdriver. Anti-clockwise is prohibited due to the shape of the drive feature.

No specialist tools required, use standard slotted screwdriver
Head dimensions See page 49



Manufactured in bright zinc plated (CR-3) hardened steel (woodscrews) and A2 stainless steel (self tappers and machine screws).

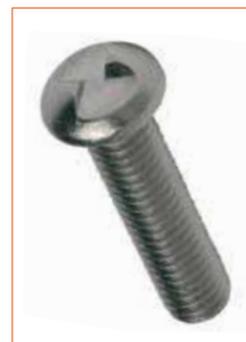


COUNTERSUNK ■ BRIGHT ZINC PLATED ■ TWINTHREAD WOODSCREWS BOX QTY 200



LENGTH GAUGE	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
	19mm	25mm	32mm	38mm	50mm	63mm	75mm
6	CHCW 06F	CHCW 06G					
8	CHCW 08F	CHCW 08G	CHCW 08H	CHCW 08I	CHCW 08J		
10		CHCW 10G	CHCW 10H	CHCW 10I	CHCW 10J		
12				CHCW 12I	CHCW 12J	CHCW 12K	CHCW 12L

ROUND HEAD ■ A2 STAINLESS STEEL ■ METRIC MACHINE SCREWS BOX QTY 100



LENGTH GAUGE	12mm	16mm	20mm	25mm	30mm	40mm	50mm
	M4	CHRM 0412	CHRM 0416	CHRM 0420	CHRM 0425	CHRM 0430	CHRM 0440
M5		CHRM 0516	CHRM 0520	CHRM 0525	CHRM 0530	CHRM 0540	
M6			CHRM 0620	CHRM 0625	CHRM 0630	CHRM 0640	CHRM 0650

COUNTERSUNK ■ A2 STAINLESS STEEL ■ AB TYPE SELF TAPPING SCREWS BOX QTY 100



LENGTH GAUGE	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	REMOVAL TOOL
	13mm	16mm	19mm	25mm	32mm	38mm	50mm	63mm	75mm	
6	3.5mm			CHCS 06F	CHCS 06G					RT41
8	4.2mm	CHCS 08D		CHCS 08F	CHCS 08G	CHCS 08H	CHCS 08I	CHCS 08J		RT51
10	4.8mm			CHCS 10G	CHCS 10H	CHCS 10I	CHCS 10J			RT51



ROUND HEAD ■ A2 STAINLESS STEEL ■ AB TYPE SELF TAPPING SCREWS BOX QTY 100



LENGTH GAUGE	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	REMOVAL TOOL
	13mm	16mm	19mm	25mm	32mm	38mm	50mm	63mm	75mm	
6	3.5mm	CHRS 06D		CHRS 06F	CHRS 06G					RT41
8	4.2mm	CHRS 08D		CHRS 08F	CHRS 08G	CHRS 08H	CHRS 08I	CHRS 08J		RT51
10	4.8mm	CHRS 10D		CHRS 10F	CHRS 10G	CHRS 10H	CHRS 10I	CHRS 10J		RT51
14	6.3mm	CHRS 14D		CHRS 14F	CHRS 14G	CHRS 14H	CHRS 14I	CHRS 14J	CHRS 14L	RT61

CLUTCH HEAD REMOVABLE TOOL* SOLD SINGLY



DRIVER SIZE	SIZE			
	No. 6	No. 8	No. 10	No. 14
RT41	RT41			
RT51		RT51	RT51	
RT61				RT61

* Only suitable for use with A2 Stainless Steel Clutch Heads

DID YOU KNOW ...

- Clutch Heads can be manufactured in machine screws (subject to minimum order quantities)
- Clutch Head drive system was probably the world's first security fastener
- Clutch Heads are often used by the police for securing vehicle registration plates



Sentinel® DESIGN RIGHTS APPLY

The original Nettlefolds one-way pozidrive security system. This drive system only operates in a clockwise motion using a standard pozidrive tool. Anti-clockwise motion is prohibited due to the rounded shape of the drive recess. This recess is ideal for easy and fast application with power tools.

No specialist tools required, use standard pozi or Superdrive bits or drivers



Manufactured in bright zinc plated (CR-3) hardened steel woodscrews and machine screws.



COUNTERSUNK ■ BRIGHT ZINC PLATED ■ TWINTHREAD WOODSCREWS BOX QTY 200



GAUGE	LENGTH	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	DRIVER SIZE
		19mm	25mm	32mm	38mm	50mm	63mm	75mm	
6	3.5mm	STCW 06F	STCW 06G						PZ2
8	4.2mm	STCW 08F	STCW 08G	STCW 08H	STCW 08I	STCW 08J			PZ2
10	4.8mm		STCW 10G	STCW 10H	STCW 10I	STCW 10J	STCW 10K		PZ2
12	5.5mm				STCW 12I	STCW 12J	STCW 12K	STCW 12L	PZ3

COUNTERSUNK ■ BRIGHT ZINC PLATED ■ METRIC MACHINE SCREWS BOX QTY 100



GAUGE	LENGTH	12mm	16mm	20mm	25mm	30mm	40mm	50mm	DRIVER SIZE
		M4	STCM 0412	STCM 0416	STCM 0420	STCM 0425	STCM 0430		
M5	STCM 0512		STCM 0520	STCM 0525	STCM 0530	STCM 0540		PZ2	
M6	STCM 0612	STCM 0616	STCM 0620	STCM 0625	STCM 0630	STCM 0640		PZ3	

BUTTON HEAD ■ BRIGHT ZINC PLATED ■ METRIC MACHINE SCREWS BOX QTY 100



GAUGE	LENGTH	12mm	16mm	20mm	25mm	30mm	40mm	50mm	DRIVER SIZE
		M4	STBM 0412	STBM 0416	STBM 0420	STBM 0425	STBM 0430		
M5	STBM 0512	STBM 0516	STBM 0520	STBM 0525	STBM 0530	STBM 0540		PZ2	
M6	STBM 0612	STBM 0616	STBM 0620	STBM 0625		STBM 0640		PZ3	
M8					STBM 0830	STBM 0840	STBM 0850	PZ4	



SENTINEL® DIMENSIONS (mm)

DIMENSIONS	SCREW TYPE	TWINTHREAD WOODSCREWS				METRIC MACHINE SCREWS			
		No. 6	No. 8	No. 10	No. 12	M4	M5	M6	M8
		3.5mm	4.2mm	4.8mm	5.5mm				
COUNTERSUNK HEAD		6.8	8.4	9.8	11.7	7.2	8.9	10.8	N/A
		2.5	2.8	3.5	4.2	2.7	3.0	3.6	N/A
BUTTON HEAD		N/A	N/A	N/A	N/A	7.7	9.8	11.6	15.8
		N/A	N/A	N/A	N/A	2.8	3.5	4.2	5.5



DID YOU KNOW . . .

- This is the most popular permanent security screw
- This pozidrive system is easier and more effective to use than the slotted Clutch Head drive system
- Mr B of Liverpool secured his second thatched roof bird box to his tree using Sentinel® Woodscrews as he had his first one stolen

SENTINEL® MADE TO MEASURE SPECIALS (Subject to minimum order quantities)



- Can be manufactured from most materials
- Can be plated to your requirements
- Barrel Nuts
- Thread Forming Screws

SEE SPECIALS PAGES 42-45





Oval Pan Head

This security screw is extremely deceptive in its looks. It is not instantly apparent that this fastener is oval. At a casual glance this fastener looks like a stud or rivet, leaving the potential intruder fooled. Installation is only achieved by using the matching Oval socket and is suitable for low to medium torque applications. These screws are case hardened for further resistance to attack.

Requires matching driver

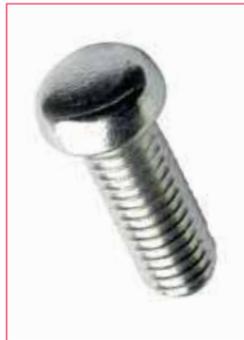
Can be manufactured as an AB Type self tapping screw or as a woodscrew subject to minimum order quantities.

Manufactured in bright zinc plated (CR-3) steel machine screws.



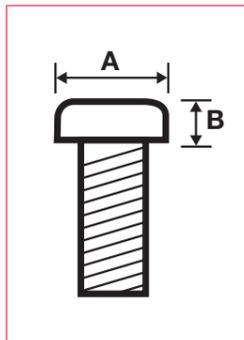
OVAL PAN HEAD ■ METRIC MACHINE SCREWS

BOX QTY 100



GAUGE	LENGTH							DRIVER SIZE
	10mm	12mm	16mm	20mm	25mm	30mm	40mm	
M4		OPHM 0412		OPHM 0420	OPHM 0425	OPHM 0430	OPHM 0440	OP4
M5	OPHM 0510	OPHM 0512	OPHM 0516	OPHM 0520	OPHM 0525	OPHM 0530	OPHM 0540	OP56
M6	OPHM 0610	OPHM 0612	OPHM 0616	OPHM 0620	OPHM 0625	OPHM 0630	OPHM 0640	OP56
M8	TO ORDER ONLY (SUBJECT TO MINIMUM QTY)							

OVAL PAN HEAD DIMENSIONS (mm)



DIMENSIONS	GAUGE		
	M4	M5	M6
A	6.8	9.9	9.9
B	2.8	3.5	3.5



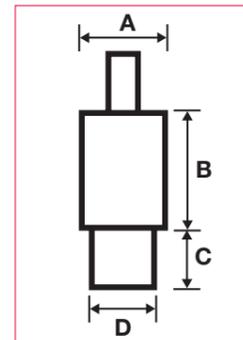
OVAL PAN HEAD DRIVER SIZE

SOLD IN SINGLES



DRIVER SIZE	SCREW SIZE		
	M4	M5	M6
OP4	OP4-B		
OP56		OP56-B	OP56-B

OVAL PAN HEAD DRIVER DIMENSIONS (mm)



DRIVER SIZE	DIMENSION			
	A	B	C	D
OP4	17.4	13.0	14.1	15.9
OP56	17.4	13.0	14.1	15.9

IDEAL FOR . . .

- Display Cabinets
- Playground Equipment
- Electrical Goods
- Signage
- Audio Visual Equipment

Used on cable TV trunking in a block of flats which stopped previous tenants connecting wires inside to get free subscription!

HOW TO INSTALL

Fool the potential intruder with this stud and rivet lookalike . . .

. . . don't even let them think about tampering!





TORXPlus® PATENTED PRODUCT

The original Resistorx® screw has six lobes. Its successor, the Torxplus® has five lobes. This provides a higher level of security due to the fact that the design is patented. Tooling availability is restricted and driver sales are therefore limited to bonafide Torxplus® customers. All Torxplus® drivers are logged for customer security. The drive quality of the elliptical five lobe system makes this fastener suitable for higher torque applications.

Requires matching tooling - Registered for controlled availability



All sizes shown to order only (7-14 days delivery).

Manufactured in A2 stainless steel.



COUNTERSUNK ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	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	
6	3.5mm		TPCS06D		TPCS06F	TPCS06G		TPCS06I				15IPR
8	4.2mm		TPCS08D		TPCS08F	TPCS08G	TPCS08H	TPCS08I				20IPR
10	4.8mm		TPCS10D		TPCS10F	TPCS10G	TPCS10H	TPCS10I				25IPR
12	5.5mm			TPCS12E		TPCS12G	TPCS12H	TPCS12I				25IPR
14	6.3mm			TPCS14E	TPCS14F	TPCS14G	TPCS14H	TPCS14I				30IPR

■ All sizes shown to order only (7-14 days delivery).

BUTTON HEAD ■ AB TYPE SELF TAPPING SCREWS

BOX QTY 100



GAUGE	LENGTH	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	
6	3.5mm		TPBS06D		TPBS06F	TPBS06G		TPBS06I				10IPR
8	4.2mm		TPBS08D		TPBS08F	TPBS08G	TPBS08H	TPBS08I				15IPR
10	4.8mm		TPBS10D		TPBS10F	TPBS10G	TPBS10H	TPBS10I				25IPR
14	6.3mm		TPBS14D		TPBS14F	TPBS14G	TPBS14H	TPBS14I				27IPR

■ All sizes shown to order only (7-14 days delivery).

TORXPLUS® MADE TO MEASURE SPECIALS (Subject to minimum order quantities)



- Imperial Machine Screws
- Metric Machine Screws
- Special Threads/Materials/Finishes

SEE SPECIALS PAGES 42-45



Tri-Head

Tri-Head screws are a widely used vandal deterrent fixing. They are quickly and easily installed and removed using a matching driver. The tall head design makes this screw a common choice for applications in a recess or channel.

Requires matching driver



Manufactured in A2 stainless steel.



TRI-HEAD ■ METRIC MACHINE SCREWS

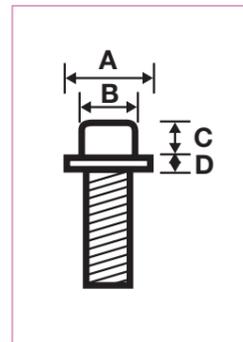
BOX QTY 100



GAUGE	LENGTH	20mm	30mm	40mm	50mm	DRIVER SIZE
		TRIM0820	TRIM0830	TRIM0840	TRIM0850	
M8						TRI-8



TRI-HEAD DIMENSIONS (mm)



DIMENSION	A	B	C	D
LENGTH				
20mm	13.7	8.5	6.5	1.5
30mm	13.7	8.5	6.5	1.5
40mm	13.7	8.5	6.5	1.5
50mm	17.0	8.5	6.0	2.0



Solok™ PATENTED PRODUCT

The Solok™ system is a unique drive system where every design is exclusive to the customer or user. As there are millions of driver socket variations, your driver key will be specific to you, therefore enhancing the level of security to a new plane. Every new customer gets a Solok™ code to which their screws and tools are made, meaning even someone else's Solok™ tools will not fit screws made to your code.

It requires a perfectly cut key to operate the screw. (Only the owners have the private exclusive key code).



INSERT BIT

Manufactured to order in steel or stainless steel, subject to minimum order quantities (as shown below). Initial one-off unique tooling set-up charge applicable.



COUNTERSUNK ■ AB TYPE SELF TAPPING SCREWS



GAUGE	LENGTH	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	DRIVER SIZE	MIN ORDER QTY PER SIZE
		9.5mm	13mm	16mm	19mm	25mm	32mm	38mm	50mm		
4	2.9mm	SLCS04C	SLCS04D	SLCS04E	SLCS04F	SLCS04G				SL04	2,500
6	3.5mm	SLCS06C	SLCS06D	SLCS06E	SLCS06F	SLCS06G	SLCS06H	SLCS06I	SLCS06J	SL10	2,500
8	4.2mm	SLCS08C	SLCS08D	SLCS08E	SLCS08F	SLCS08G	SLCS08H	SLCS08I	SLCS08J	SL10	2,500
10	4.8mm	SLCS10C	SLCS10D	SLCS10E	SLCS10F	SLCS10G	SLCS10H	SLCS10I	SLCS10J	SL10	2,500
12	5.5mm	SLCS12C	SLCS12D	SLCS12E	SLCS12F	SLCS12G	SLCS12H	SLCS12I	SLCS12J	SL25	2,500
14	6.3mm	SLCS14C	SLCS14D	SLCS14E	SLCS14F	SLCS14G	SLCS14H	SLCS14I	SLCS14J	SL25	2,500

BUTTON HEAD ■ AB TYPE SELF TAPPING SCREWS



GAUGE	LENGTH	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	DRIVER SIZE	MIN ORDER QTY PER SIZE
		9.5mm	13mm	16mm	19mm	25mm	32mm	38mm	50mm		
4	2.9mm	SLBS04C	SLBS04D	SLBS04E	SLBS04F	SLBS04G				SL04	2,500
6	3.5mm	SLBS06C	SLBS06D	SLBS06E	SLBS06F	SLBS06G	SLBS06H	SLBS06I	SLBS06J	SL10	2,500
8	4.2mm	SLBS08C	SLBS08D	SLBS08E	SLBS08F	SLBS08G	SLBS08H	SLBS08I	SLBS08J	SL10	2,500
10	4.8mm	SLBS10C	SLBS10D	SLBS10E	SLBS10F	SLBS10G	SLBS10H	SLBS10I	SLBS10J	SL10	2,500
12	5.5mm	SLBS12C	SLBS12D	SLBS12E	SLBS12F	SLBS12G	SLBS12H	SLBS12I	SLBS12J	SL25	2,500
14	6.3mm	SLBS14C	SLBS14D	SLBS14E	SLBS14F	SLBS14G	SLBS14H	SLBS14I	SLBS14J	SL25	2,500

COUNTERSUNK ■ METRIC MACHINE SCREWS



GAUGE	LENGTH	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	40mm	50mm	60mm	80mm	100mm	DRIVER SIZE	MIN ORDER QTY PER SIZE
		M3	SLCM 306	SLCM 308	SLCM 310	SLCM 312	SLCM 316	SLCM 320	SLCM 325							
M4		SLCM 408	SLCM 410	SLCM 412	SLCM 416	SLCM 420	SLCM 425	SLCM 430	SLCM 440	SLCM 450					SL10	2,500
M5		SLCM 508	SLCM 510	SLCM 512	SLCM 516	SLCM 520	SLCM 525	SLCM 530	SLCM 540	SLCM 550					SL10	2,500
M6		SLCM 608	SLCM 610	SLCM 612	SLCM 616	SLCM 620	SLCM 625	SLCM 630	SLCM 640	SLCM 650	SLCM 660				SL25	2,500
M8					SLCM 816	SLCM 820	SLCM 825	SLCM 830	SLCM 840	SLCM 850	SLCM 860	SLCM 880	SLCM 8100		SL31	2,000
M10					SLCM 1020	SLCM 1025	SLCM 1030	SLCM 1040	SLCM 1050	SLCM 1060	SLCM 1080	SLCM 10100			SL31	1,500
M12					SLCM 1220	SLCM 1225	SLCM 1230	SLCM 1240	SLCM 1250	SLCM 1260	SLCM 1280	SLCM 12100			SL50	1,000
M16							SLCM 1630	SLCM 1640	SLCM 1650	SLCM 1660	SLCM 1680	SLCM 16100			SL50	POA

BOX QTY 100

BUTTON HEAD ■ METRIC MACHINE SCREWS



GAUGE	LENGTH	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	40mm	50mm	60mm	80mm	100mm	DRIVER SIZE	MIN ORDER QTY PER SIZE
		M3	SLBM 0306	SLBM 0308	SLBM 0310	SLBM 0312	SLBM 0316	SLBM 0320	SLBM 0325							
M4		SLBM 0408	SLBM 0410	SLBM 0412	SLBM 0416	SLBM 0420	SLBM 0425	SLBM 0430	SLBM 0440	SLBM 0450					SL10	2,500
M5		SLBM 0508	SLBM 0510	SLBM 0512	SLBM 0516	SLBM 0520	SLBM 0525	SLBM 0530	SLBM 0540	SLBM 0550					SL10	2,500
M6		SLBM 0608	SLBM 0610	SLBM 0612	SLBM 0616	SLBM 0620	SLBM 0625	SLBM 0630	SLBM 0640	SLBM 0650	SLBM 0660				SL25	2,500
M8					SLBM 0816	SLBM 0820	SLBM 0825	SLBM 0830	SLBM 0840	SLBM 0850	SLBM 0860	SLBM 0880	SLBM 08100		SL31	2,000
M10						SLBM 1020	SLBM 1025	SLBM 1030	SLBM 1040	SLBM 1050	SLBM 1060	SLBM 1080	SLBM 10100		SL31	1,500
M12						SLBM 1220	SLBM 1225	SLBM 1230	SLBM 1240	SLBM 1250	SLBM 1260	SLBM 1280	SLBM 12100		SL50	1,000
M16								SLBM 1630	SLBM 1640	SLBM 1650	SLBM 1660	SLBM 1680	SLBM 16100		SL50	POA



IDEAL FOR ...

High security areas such as:

- Works of Art
- Sculptures
- Cell Security
- Cash Registers/Machines
- Patent Protection
- Fire Department
- Pleasure Boats
- Radio Masts

SOLOK™ MADE TO MEASURE SPECIALS (Subject to minimum order quantities)

- A4 Stainless Steel
- High Tensile Carbon Steel
- Imperial Machine Screws
- Type A, B and F Self Tapping Screws

SEE SPECIALS PAGES 42-45



Sole drive Sole key **Solok™**

Nogo™ PATENTS AND DESIGN REGISTRATIONS APPLY

The Nogo enclosure offers the highest security for any nut or bolt. This two part enclosure is made from case hardened steel and resists most forms of attack, including drills and saws.

No specialist tools required, use standard hammer



Home Office approved.
Manufactured in zinc plated hardened steel (CR-3).



TYPE 1 SOLD IN SINGLES - INC. CAP AND BASE

SIZE	M5	M6	M8	M10	M12
STOCK	NG05T1	NG06T1	NG08T1	NG10T1	NG12T1



The only security fastener to win Sold Secure Silver Award

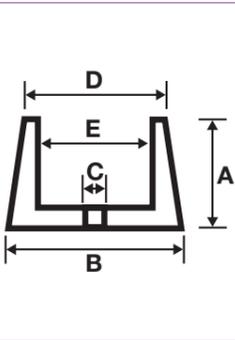
TYPE 2 SOLD IN SINGLES - INC. CAP AND BASE

SIZE	M5	M6	M8	M10	M12
STOCK	NG05T2	NG06T2	NG08T2	NG10T2	NG12T2



NOGO™ TECHNICAL INFO (mm)

SIZE	LENGTH	MEASUREMENTS (mm)				
	A	B	C	D	E	
M5	12.0	20.0	5.4	18.0	12.9	
M6	13.0	22.0	6.4	20.0	15.0	
M8	14.0	28.4	8.4	26.0	20.0	
M10	18.0	31.8	10.4	30.0	25.3	
M12	20.0	35.8	12.4	32.0	26.5	



A. FIX BASE CUP UNDER FASTENER



TYPE 1



TYPE 2

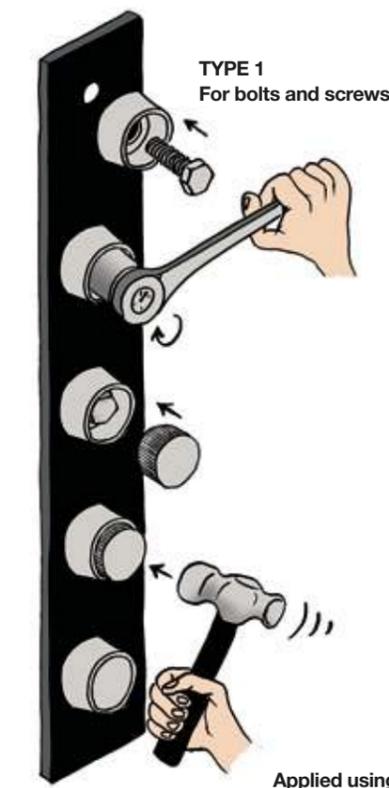
B. HAMMER HOME CAP FOR THE MOST SECURE FASTENING



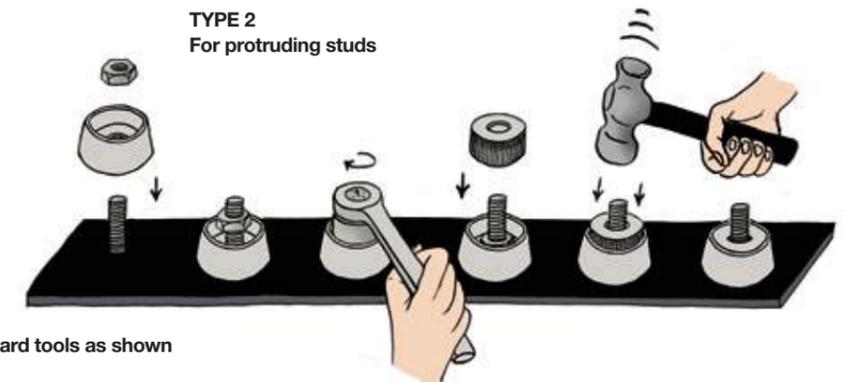
TYPE 1



TYPE 2



Applied using standard tools as shown



IDEAL FOR ...

- Window Grilles and Shutters
- Gates and Barriers
- Parking Meters
- Heavy Duty Applications
- Other High Security Applications

Used on boiler housings in new build houses which stopped the expensive problem of theft!

Kinmar® Permanent PATENTED PRODUCT

Unique high torque security drive. This patented system is a superior alternative to the Shear Nut, having the advantage of not leaving any unplated surfaces and not being governed by the shear point, enabling an accurate and reliable torque rating to be achieved. This fastener can be re-torqued if required.

This is a permanent fixing. (Removable version - see page 26/27)

Requires matching driver socket



Manufactured in case hardened bright zinc plated steel (CR-3) and galvanised finish. Also manufactured in A2 stainless steel.

KINMAR® PERMANENT NUTS

BOX QTY 100



SIZE		M5	M6	M8	M10	M12
MATERIAL						
BZP STEEL		KMPN05-Z	KMPN06-Z	KMPN08-Z	KMPN10-Z	KMPN12-Z
GALVANISED			KMPN06-G	KMPN08-G	KMPN10-G	KMPN12-G
A2 STAINLESS		KMPN05-S	KMPN06-S	KMPN08-S	KMPN10-S	KMPN12-S
DRIVER SIZE		KM06P	KM06P	KM08P	KM10P	KM12P

KINMAR® PERMANENT BOLTS

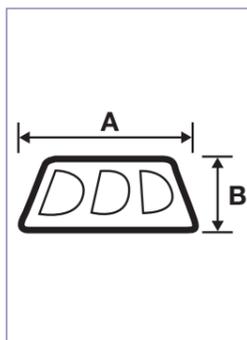
BOX QTY 100



SIZE		M8 x 25mm	M8 x 40mm
MATERIAL			
BZP STEEL		KMPM0825-Z	KMPM0840-Z
GEOMET®		KMPM0825-GEO	KMPM0840-GEO
DRIVER SIZE		KM08P	KM08P

- Any other size of Kinmar® Permanent Bolts can be manufactured to order (subject to minimum order quantity).
- Kinmar® Permanent Bolt heads have the same dimensions as the Kinmar® nuts.
- If we don't carry what you need in stock please contact us with the quantity, size and material you require.

KINMAR® PERMANENT DIMENSIONS (mm)



SIZE		M5	M6	M8	M10	M12
DIMENSIONS						
A		12.1	12.1	16.1	20.1	24.2
B		5.6	5.6	7.3	9.2	10.6



KINMAR® DRIVER SOCKET

SOLD IN SINGLES

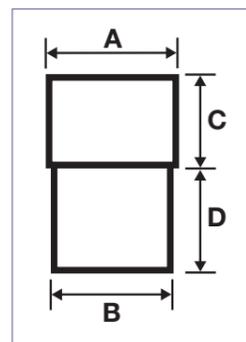


TO SUIT		M5	M6	M8	M10	M12
DRIVER SIZE						
KM06P		KM06P	KM06P			
KM08P				KM08P		
KM10P					KM10P	
KM12P						KM12P

- 1/2" Square drive socket



KINMAR® DRIVER SOCKET DIMENSIONS (mm)



DIMENSIONS		A	B	C	D
DRIVER SIZE					
KM06P		25.1	15.8	19.9	16.0
KM08P		25.1	20.1	16.1	19.9
KM10P		30.0	26.2	17.2	24.8
KM12P		30.0	30.0	42.0 - overall length	

DID YOU KNOW . . .

- The Kinmar® Permanent Nut is one of the most versatile one-way security nuts on the market
- The Kinmar® Permanent Nut is a superior product to the Shear Nut
- The Kinmar® driver sockets are robust heavy duty tools ensuring consistent results

HOW TO INSTALL



Kinmar® Removable PATENTED PRODUCT

Another unique high torque security drive system which can only be undone with the unique matching socket. This product is extra resilient to attack because of its rounded shape and case hardened steel construction. Probably the most cost-effective removable security nut on the market.

Requires matching driver socket



Manufactured in case hardened bright zinc plated steel (CR-3) and galvanised finish. Also manufactured in A2 stainless steel.

KINMAR® REMOVABLE NUTS

BOX QTY 100



MATERIAL	SIZE				
	M5	M6	M8	M10	M12
BZP STEEL	KMRN05-Z	KMRN06-Z	KMRN08-Z	KMRN10-Z	KMRN12-Z
GALVANISED		KMRN06-G	KMRN08-G	KMRN10-G	KMRN12-G
A2 STAINLESS	KMRN05-S	KMRN06-S	KMRN08-S	KMRN10-S	KMRN12-S
DRIVER SIZE	KM06R	KM06R	KM08R	KM10R	KM12R

KINMAR® REMOVABLE BOLTS

BOX QTY 100

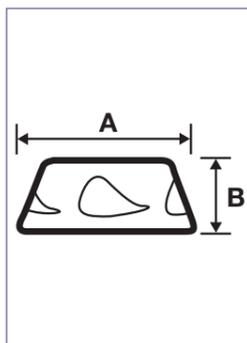


MATERIAL	SIZE	
	M8 x 25mm	M8 x 40mm
BZP STEEL	KMRM0825-Z	KMRM0840-Z
GEOMET®	KMRM0825-GEO	KMRM0840-GEO
DRIVER SIZE	KM08R	KM08R

- Any other size of Kinmar® Removable Bolts can be manufactured to order (subject to minimum order quantity).
- Kinmar® Removable Bolt heads have the same dimensions as the Kinmar® nuts.
- If we don't carry what you need in stock please contact us with the quantity, size and material you require.



KINMAR® REMOVABLE DIMENSIONS (mm)



DIMENSIONS	SIZE				
	M5	M6	M8	M10	M12
A	12.1	12.1	16.1	20.1	24.2
B	5.8	5.8	7.3	9.2	10.6



KINMAR® DRIVER SOCKET

SOLD IN SINGLES

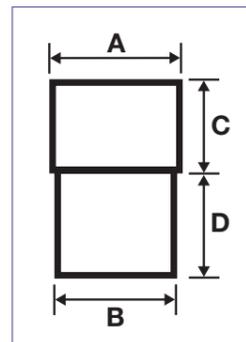


DRIVER SIZE	TO SUIT				
	M5	M6	M8	M10	M12
KM06R	KM06R	KM06R			
KM08R			KM08R		
KM10R				KM10R	
KM12R					KM12R

- 1/2" Square drive socket



KINMAR® DRIVER SOCKET DIMENSIONS (mm)



DRIVER SIZE	DIMENSIONS			
	A	B	C	D
KM06R	25.1	15.8	19.9	16.0
KM08R	25.1	20.1	16.1	19.9
KM10R	30.0	26.2	17.2	24.8
KM12R	30.0	30.0	42.0 - overall length	

DID YOU KNOW ...

- The Hafren logo is derived from the unique shaped segments of the Kinmar® Removable Nut



HOW TO INSTALL



Armour Ring™ PATENTED PRODUCT

A simple conical collar which is hammered over any standard hexagon bolt head or nut, rendering it tamper resistant. This security fastener has the advantage of not being governed by torque and can be applied to existing fasteners. Another advantage of using the Armour Ring™ is that it leaves a smooth cover to existing fixings. Armour Rings™ are suitable for any British standard or DIN standard hexagon bolts and nuts, including hex head coach screws.

Use Armour Ring™ tool for fast and easy application

Home Office approved.
Manufactured in bright zinc plated (CR-3) steel and A2 stainless steel.



ARMOUR RING™ ■ BRIGHT ZINC PLATED BOX QTY 100

SIZE	M6	M8	M10	M12	M16	M20
STOCK	AR06-Z	AR08-Z	AR10-Z	AR12-Z	AR16-Z	



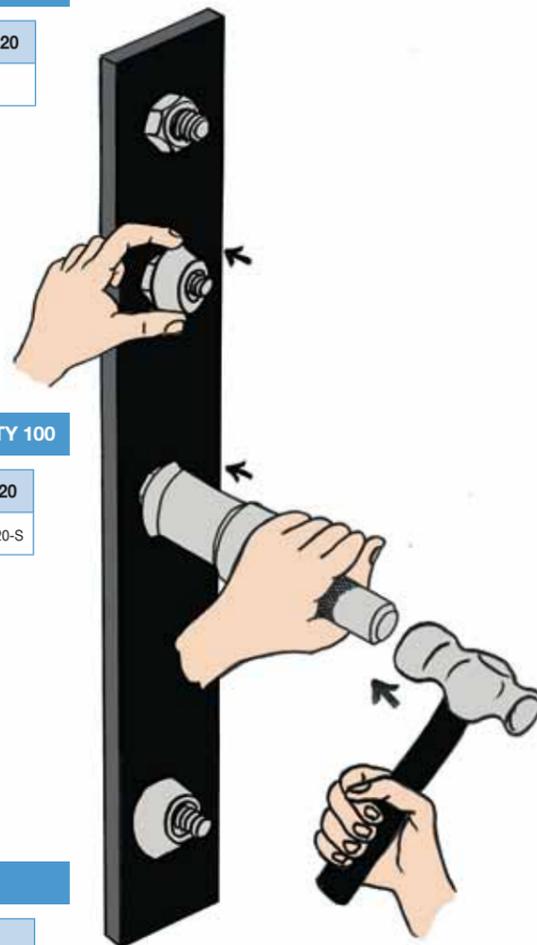
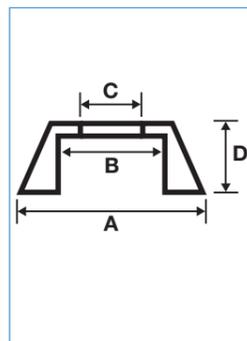
ARMOUR RING™ ■ A2 STAINLESS STEEL BOX QTY 100

SIZE	M6	M8	M10	M12	M16	M20
STOCK	AR06-S	AR08-S	AR10-S	AR12-S	AR16-S	AR20-S



ARMOUR RING™ DIMENSIONS (mm)

DIMENSIONS	SIZE					
	M6	M8	M10	M12	M16	M20
A	15.8	20.0	26.6	33.0	41.2	51.0
B	10.9	14.2	18.6	20.8	26.7	33.5
C	7.2	10.5	12.0	13.5	17.3	20.0
D	6.8	7.7	9.8	12.3	16.0	19.0



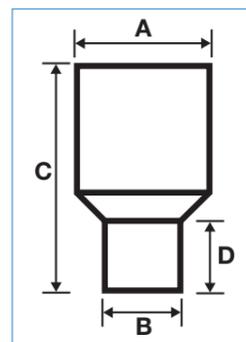
ARMOUR RING™ TOOL SOLD IN SINGLES



TOOL HEADS	TO SUIT				
	M6	M8	M10	M12	M16
H06	ART-H06				
H08		ART-H08			
H10			ART-H10		
H12				ART-H12	
H16					ART-H16
HANDLE	LENGTH 148mm				

All tool heads are interchangeable with universal handle

ARMOUR RING™ TOOL DIMENSIONS (mm)

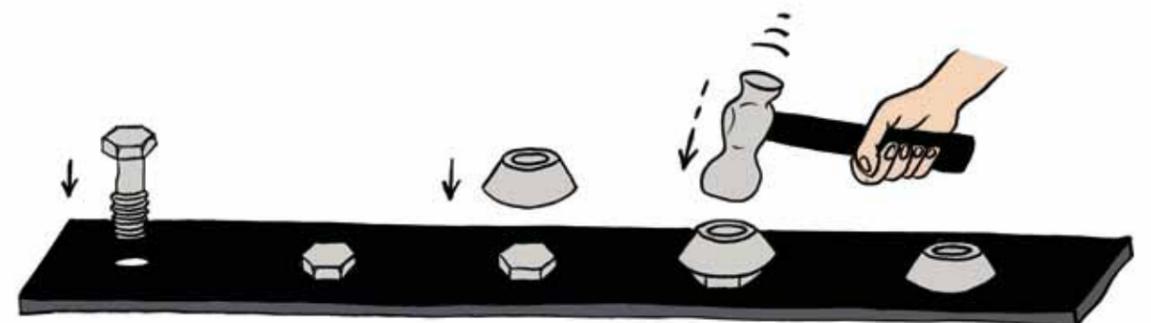


TOOL HEADS	DIMENSIONS			
	A	B	C	D
ART-H06	31.7	16.2	47.9	11.0
ART-H08	31.7	19.9	53.9	18.7
ART-H10	31.7	24.7	60.4	27.0
ART-H12	31.7	31.7	61.8	N/A
ART-H16	35.0	N/A	59.5	N/A



DID YOU KNOW ...

- Armour Ring™ is the most cost effective way of securing an existing fastener
- Armour Ring™ is specified by Health and Safety Executives because it leaves a smooth finish and covers any sharp edges on a bolt head



Shear Nuts

A high security permanent nut fastening. The hexagonal part of the nut shears off at a predetermined torque (because only the cone part is threaded) leaving a tamper resistant cone.

No specialist tools required, use standard socket or spanner



Manufactured in bright zinc plated (CR-3) steel, galvanised steel and A2 stainless steel.

Shear Nuts



BRIGHT ZINC PLATED BOX QTY 100



SIZE	M6	M8	M10	M12	M16	M20	M24	
STOCK	SHN06-Z	SHN08-Z	SHN10-Z	SHN12-Z	SHN16-Z	SHN20-Z		TO ORDER
SHEAR TORQUE	lb/ft	5-9	10-15	23-28	38-44	54-60	72-82	
	nm	7-14	14-20	31-38	52-60	74-82	100-113	



GALVANISED BOX QTY 100



SIZE	M8	M10	M12	M16	M20	M24	
STOCK	SHN08-G	SHN10-G	SHN12-G	SHN16-G	SHN20-G		TO ORDER
SHEAR TORQUE	lb/ft	10-15	23-28	38-44	54-60	72-82	
	nm	14-20	31-38	52-60	74-82	100-113	

DID YOU KNOW . . .

■ "A leading supermarket chain was having problems with skateboarders stealing the shopping trolley wheel bearings. Being top quality bearings that fit most skateboard wheels these proved rather popular with the youths in town. 4 Shear Nuts later - no further thefts."

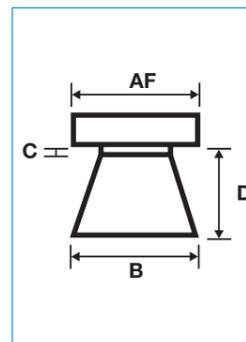
A2 STAINLESS STEEL BOX QTY 100



SIZE	M6	M8	M10	M12	M16	M20	M24	
STOCK	SHN06-S	SHN08-S	SHN10-S	SHN12-S	SHN16-S	SHN20-S		TO ORDER
SHEAR TORQUE	lb/ft	5-9	10-15	23-28	38-44	54-60	72-82	
	nm	7-14	14-20	31-38	52-60	74-82	100-113	



SHEAR NUT DIMENSIONS (mm)



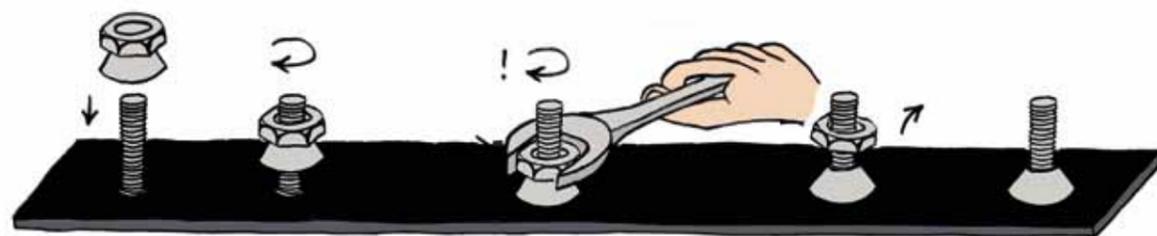
SIZE	FINISH	BRIGHT ZINC PLATED				A2 STAINLESS STEEL				GALVANISED			
		AF	B	C	D	AF	B	C	D	AF	B	C	D
M6		14.0	13.9	0.5	7.2	10.0	10.0	N/A	6.0	N/A	N/A	N/A	N/A
M8		16.0	15.8	0.5	7.6	13.0	13.0	N/A	7.0	17.0	16.8	N/A	7.2
M10		19.0	18.9	1.0	8.8	17.0	17.0	N/A	9.0	19.0	18.9	N/A	9.2
M12		22.0	21.9	1.0	9.9	19.0	19.0	N/A	10.0	22.0	21.9	N/A	9.2
M16		24.0	23.8	1.5	11.5	24.0	24.0	N/A	14.0	24.0	23.8	N/A	11.5
M20		32.0	31.8	2.8	19.0	30.0	30.0	N/A	18.0	32.0	31.8	2.9	18.8

GALVANISED SADDLE BOLTS BOX QTY 100



SIZE	M8 x 40mm
STOCK	SB0840-G

- Suitable for most types of pallisade fencing.
- Commonly used with galvanised shear nuts (above) or galvanised Kinmar® Permanent Nuts (see page 24).





Shear Bolts

A high security permanent bolt fastening. This bolt works on the same concept as a Shear Nut. The hexagon part of the bolt shears off leaving a plain tamper resistant head.

No specialist tools required, use standard socket or spanner



Stocked in A2 stainless steel (from May 2013)

Also manufactured in bright zinc plated (CR-3) steel or galvanised steel

Shear Bolts

BUTTON HEAD ■ A2 STAINLESS STEEL



GAUGE	LENGTH				A/F	SHEAR TORQUE	
	16mm	25mm	50mm	60mm		lb/ft	nm
M6	SBBH 0616-S	SBBH 0625-S	SBBH 0650-S		10mm	5-9	7-14
M8		SBBH 0825-S		SBBH 0860-S	14mm	10-15	14-20
M10		SBBH 1025-S	SBBH 1050-S		17mm	23-28	31-38
M12		SBBH 1225-S		SBBH 1260-S	19mm	38-44	52-60

- Any other sizes or materials can be made to order (delivery 3-4 weeks approx)
- Most common materials and plating available.
- Please phone with material, size and quantity required.

COUNTERSUNK HEAD



- Countersunk Head Shear Bolts made to order only. (delivery 3-4 weeks approx)
- Most common materials and plating available.
- Please phone with material, size and quantity required.



Tufnuts® PATENTED PRODUCT

The Tufnut® security nut is a unique removable nut. It is easily installed using regular tools as shown in the diagram at the bottom of this page. Due to the angled shape of this nut it is extremely difficult to get a grip of this nut to be able to remove it. It is also hardened to make it more resilient to attack. You need 2 Tufnuts® to install and to remove. Insert an adjustable spanner or vice grips between the 2 Tufnuts® and then turn both nuts to secure, finally removing the second Tufnut® leaving the first one tightly secured and tamper resistant.

Use standard spanner



Manufactured in bright zinc plated (CR-3) steel.



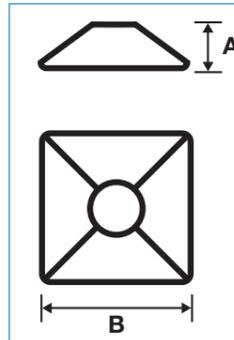
TUFNUTS® ■ TYPE 1 & TYPE 2 BOX QTY 100



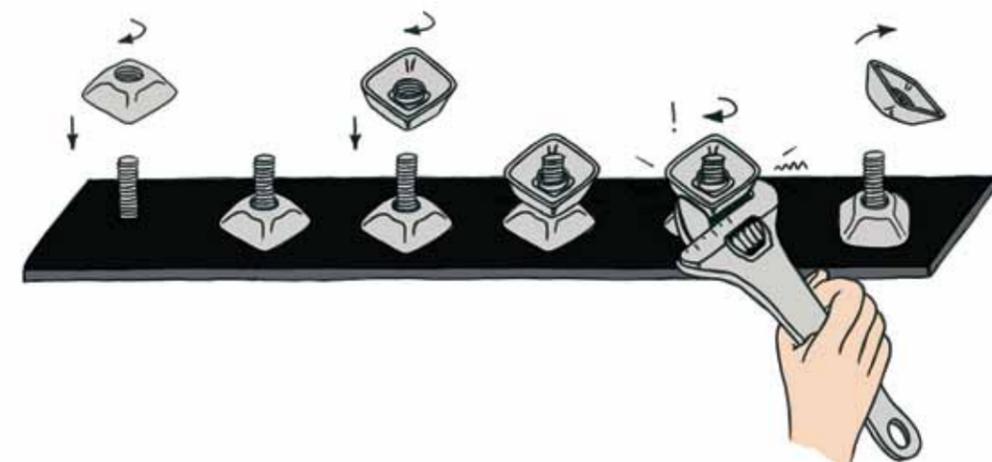
STYLE	SIZE			
	M6	M8	M10	M12
TYPE 1	TFN06	TFN08	TFN10	
TYPE 2				TFN12



TUFNUTS® DIMENSIONS



SIZE	DIMENSIONS	
	A	B
TYPE 1 M6	7.4	26.0
TYPE 1 M8	7.4	26.0
TYPE 1 M10	7.4	26.0
TYPE 2 M12	7.7	31.0



Scroll™ Nut PATENTED PRODUCT

This high security nut is virtually impossible to remove without the unique matching driver. Due to its rounded design, there are no sharp angles to provide grip for normal hand tools. Suitable for medium to high torque applications.

Requires special matching driver socket.



Manufactured in A2 stainless steel.

A2 STAINLESS STEEL

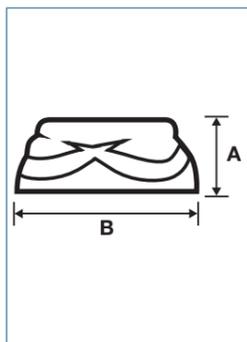
BOX QTY 50



SIZE	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30
STOCK	SCN03	SCN04	SCN05	SCN06	SCN08	SCN10	SCN12	SCN16	SCN20	SCN24	SCN30

Other materials and finishes available to order

SCROLL™ NUT DIMENSIONS (mm)



SIZE	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30
A	3.2	3.2	4.2	5.5	6.4	7.2	8.7	11.0	12.8	14.2	19.00
B	7.9	7.9	9.5	12.7	15.8	19.0	22.2	28.5	34.9	38.0	19.00

SCROLL™ BOLTS



- Scroll™ Bolts manufactured to order.
- Scroll™ Bolt heads have the same dimensions as the Scroll™ Nuts.
- Please contact us with the quantity, size and material you require.



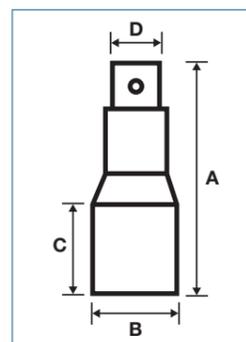
SCROLL™ DRIVER TOOL

SOLD IN SINGLES



DRIVER SIZE	SC034	SC05	SC06	SC08	SC10	SC12	SC16	SC20	SC24	SC30
M3	•									
M4	•									
M5		•								
M6			•							
M8				•						
M10					•					
M12						•				
M16							•			
M20								•		
M24									•	
M30										•

SCROLL™ DRIVER TOOL DIMENSIONS (mm)



DRIVER SIZE	SC6	SC8	SC10	SC12	SC16	SC20	SC24	SC30
A	30.0	40.0	45.0	55.0	55.0	75.0	75.0	80.0
B	17.0	20.0	25.0	28.5	35.0	45.0	45.0	51.0
C	8.0	10.0	12.0	18.0	18.0	27.0	27.0	32.0
D	12.7	12.7	15.85	15.85	19.05	27.0	27.0	28.5

Please note: If dimensions of the tools are important to your application please ring and check current stock as they may vary from batch to batch.

IDEAL FOR...

- Sanitary Ware in Public Areas
- Safety Guards on Machinery
- Automotive Components
- Shipbuilders
- Public Transport





Sleeve Anchors

This sleeve anchor is a through fixing, thus ensuring fast and simple installation. Ideal for many security applications in a wide variety of base materials. The unique Kinmar® drive offers an accurate torque controlled security fixing which can be re-torqued if necessary. There is a permanent and removable version available. The 6-Lobe Pin anchors in A2 stainless steel are available in Button Head and Countersunk offering a removable high torque anchor fixing. Please note: These anchors are not intended for heavy duty structural applications.

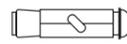
Requires matching tooling



KINMAR® PERMANENT/REMOVABLE DRIVER SOCKETS 6-LOBE PIN INSERT BIT

ANCHORS

Manufactured in bright zinc plated (CR-3) steel and A2 stainless steel.



BRIGHT ZINC PLATED ■ KINMAR® PERMANENT BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS (mm)	MINIMUM HOLE DEPTH* (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS FOR 5.8 THREADED STUD (kn)		DRIVER SIZE
						TENSION	SHEAR	
M6 x 45mm	KMPSA0645	8	6	37	7	1.1	2.0	KM06P
M8 x 50mm	KMPSA0850	10	6	45	15	1.9	6.5	KM08P
M8 x 60mm	KMPSA0860	10	16	45	15	1.9	6.5	KM08P
M8 x 70mm	KMPSA0870	10	25	45	15	1.9	6.5	KM08P
M8 x 90mm	KMPSA0890	10	45	45	15	1.9	6.5	KM08P
M10 x 60mm	KMPSA1060	12	8	52	31	3.0	8.5	KM10P
M10 x 70mm	KMPSA1070	12	18	52	31	3.0	8.5	KM10P
M10 x 80mm	KMPSA1080	12	25	52	31	3.0	8.5	KM10P
M10 x 95mm	KMPSA1095	12	45	52	31	3.0	8.5	KM10P



BRIGHT ZINC PLATED ■ KINMAR® REMOVABLE BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS (mm)	MINIMUM HOLE DEPTH* (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS FOR 5.8 THREADED STUD (kn)		DRIVER SIZE
						TENSION	SHEAR	
M6 x 45mm	KMRSA0645	8	6	37	7	1.1	2.0	KM06R
M8 x 50mm	KMRSA0850	10	6	45	15	1.9	6.5	KM08R
M8 x 60mm	KMRSA0860	10	16	45	15	1.9	6.5	KM08R
M8 x 70mm	KMRSA0870	10	25	45	15	1.9	6.5	KM08R
M8 x 90mm	KMRSA0890	10	45	45	15	1.9	6.5	KM08R
M10 x 60mm	KMRSA1060	12	8	52	31	3.0	8.5	KM10R
M10 x 70mm	KMRSA1070	12	18	52	31	3.0	8.5	KM10R
M10 x 80mm	KMRSA1080	12	25	52	31	3.0	8.5	KM10R
M10 x 95mm	KMRSA1095	12	45	52	31	3.0	8.5	KM10R

* Minimum hole depth is for maximum fixture thickness. For thinner fixtures increase the hole depth accordingly.



COUNTERSUNK ■ A2 STAINLESS STEEL ■ 6-LOBE PIN BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS (mm)	MINIMUM HOLE DEPTH* (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS (kn)		DRIVER SIZE
						TENSION	SHEAR	
M6 x 50mm	RTCSA0650	8	10	37	7	1.2	2.3	T30
M8 x 55mm	RTCSA0855	10	10	45	15	2.2	7.5	T40
M8 x 80mm	RTCSA0880	10	25	45	15	2.2	7.5	T40
M10 x 60mm	RTCSA1060	12	10	52	31	3.5	9.6	T45
M10 x 80mm	RTCSA1080	12	25	52	31	3.5	9.6	T45



BUTTON HEAD ■ A2 STAINLESS STEEL ■ 6-LOBE PIN BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS (mm)	MINIMUM HOLE DEPTH* (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS (kn)		DRIVER SIZE
						TENSION	SHEAR	
M6 x 45mm	RTBSA0645	8	10	37	7	1.2	2.3	T30
M8 x 55mm	RTBSA0855	10	10	45	15	2.2	7.5	T40
M8 x 75mm	RTBSA0875	10	25	45	15	2.2	7.5	T40
M10 x 65mm	RTBSA1065	12	10	52	31	3.5	9.6	T45
M10 x 80mm	RTBSA1080	12	25	52	31	3.5	9.6	T45

* Minimum hole depth is for maximum fixture thickness. For thinner fixtures increase the hole depth accordingly.



IDEAL FOR . . .

Saving valuable time and money when fixing to concrete, brickwork and masonry such as:

- Smoking Shelters
- Bike Racks
- Signage
- Street Furniture
- Barrier System

Shield Anchors

This Shield Anchor is designed to save time and money as welding or deforming hexagon bolt heads is not very efficient. Available as a Button Head in a removable version which has a Pin Hex drive and also a permanent version which has a standard hex socket drive which is drilled out once installed.

Please note: These anchors are not intended for heavy duty structural applications.

Requires matching tooling



PIN HEX INSERT BIT



PIN HEX KEY WRENCH



Manufactured in bright zinc plated (CR-3) steel.

2
WAY

BUTTON HEAD ■ BRIGHT ZINC PLATED ■ PIN HEX

BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS* (mm)	MINIMUM HOLE DEPTH** (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS (kn)		DRIVER SIZE
						TENSION	SHEAR	
M8 x 65mm	SHAPH0865	14	25	50	15	4.8	4.4	H50
M10 x 75mm	SHAPH1075	16	25	60	27	6.2	6.1	H60

■ This heavy duty shield anchor is complete with 10.9 grade pin hex button head. This enables the fixing to be removed using the correct security installation tool.

* Max without washer

** Minimum hole depth quoted is for maximum fixture thickness. For thinner fixtures increase the hole depth accordingly

1
WAY

BUTTON HEAD ■ BRIGHT ZINC PLATED ■ DRILL OUT

BOX QTY 50



TECHNICAL SIZE	PART CODE	DRILL HOLE DIAMETER (mm)	MAXIMUM FIXTURE THICKNESS* (mm)	MINIMUM HOLE DEPTH** (mm)	RECOMMENDED TIGHTENING TORQUE (nm)	SAFE STATIC LOADS (kn)		DRIVER SIZE	HSS DRILL OUT SIZE MM
						TENSION	SHEAR		
M8 x 65mm	SHADO0865	14	25	50	15	4.8	4.4	STD 5mm HEX BIT	6.5
M10 x 75mm	SHADO1075	16	25	60	27	6.2	6.1	STD 6mm HEX BIT	7.5

■ This innovative time saver was primarily designed for fixing security grilles. This system saves the installer from welding bolt heads or rounding them off for security. All you have to do is fix the fastener and drill out the standard 8.8 grade socket aperture using a HSS drill bit to leave a circle using drill size as shown.

* Max without washer

** Minimum hole depth quoted is for maximum fixture thickness. For thinner fixtures increase the hole depth accordingly



IDEAL FOR . . .

Saving valuable time and money when fixing:

- Grilles
- Bars
- Shelters
- Playground Equipment
- Security Lighting
- CCTV Systems
- Road Signs

and more . . .

HOW TO INSTALL SHIELD ANCHORS (BOTH TYPES)

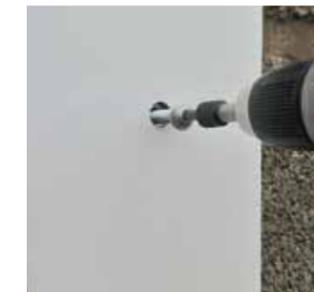
A. Pre-drill base material



B. Insert Anchor shield



C. Position fixture, tighten bolt into shield



D. Secure removable fixing into shield



EXTRA INSTALL STEPS FOR DRILLOUT VERSION ONLY

E. Drill out Hex socket using standard HSS drill



F. Secure permanent fixing



Bespoke Specials

Hafren Fasteners are able to offer a bespoke made to measure range of security fasteners. Our expert sales team are able to assist with every type of security application from design stage to final installation, including on-site testing. We can advise you in choosing the best security fastener for your application and can also help in designing something totally unique.

With all types of specials, minimum order quantities 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 drawings and samples and we'll get you a quote.

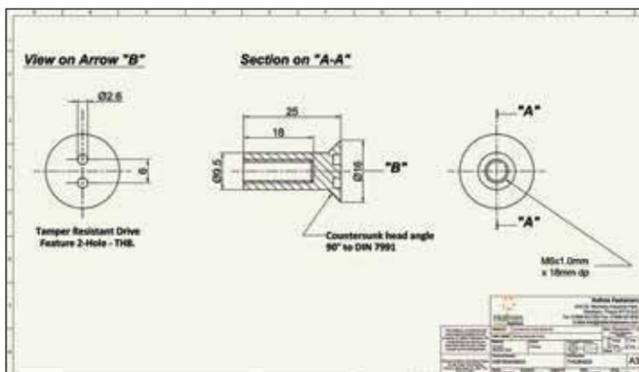
All bespoke specials are subject to minimum quantities and varying lead times.



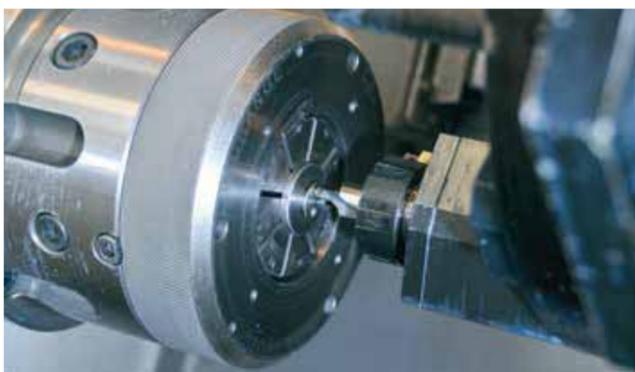
Advice



Design



Manufacture



Installation



Safe and Secure ...



BESPOKE SCREWS



Some available Thread Types

- Self Tapping Screws
 - AB Type
 - B Type
- Machine Screws
 - Metric
 - Imperial
 - British Standard
- Woodscrews
 - Single Thread
 - Twinthread
 - Hi-Lo Thread
- Self Drilling Screws
- Thread Forming Screws
 - Tri-Lobal
 - Paint Clearing
 - Plastic Forming
- Concrete Tapping Screws
- Dog-Point Screws

Other types available - please enquire

Call

01686 621 300

for our expert sales team or Email us at:

info@hafrenfasteners.com

with the number of the bespoke fixing you are interested in.





BESPOKE SCREWS



BESPOKE LARGE DISC HEAD ■ BESPOKE MALE & FEMALE SCREWS ■ BESPOKE BARREL NUTS



44 DON'T FORGET: Hafren . . . Innovation in Tamper-Resistant fixings.



BESPOKE GRUB SCREWS ■ THREAD SEALANTS & LOCKING PATCHES



BESPOKE NUTS



POWDER COATING ■ PAINTED HEADS



Some available Materials and Finishes:

- Materials
 - A2 Stainless Steel
 - A4 Stainless Steel
 - 410 Stainless Steel
 - Carbon Steel
 - Aluminium
 - Brass
- Finishes
 - Polished
 - Brushed
 - Bright Zinc Plated
 - Zinc & Yellow
 - Chrome Plated
 - Galvanised
 - Black Passivated
 - Brass Plated
 - Nickel Plated
 - Copper Plated
 - Painted Heads
 - Powder Coated
 - Thread Patching
 - Thread Lubrication
 - Thread Locking

Other types available - please enquire

Call
01686 621 300

for our expert sales team or Email us at:
info@hafrenfasteners.com
with the number of the bespoke fixing you are interested in.

Tooling

Most of our security fasteners and fixings require a matching driver for installation and removal. Shown below are sizes and styles of those we keep in stock for use with our screws. Other styles and bespoke tooling can be manufactured to your specifications.



Security Tooling

MAGNETIC SCREWDRIVER

SOLD IN SINGLES



- Standard Magnetic Screwdriver
- Storage area in handle
- 1/4" Hex drive for interchangeable bits



- Silent Ratchet Magnetic Screwdriver
- Storage area in handle
- 1/4" Hex drive for interchangeable bits

2-HOLE TOOLING

SOLD IN SINGLES

1/4" Hex Insert Bit

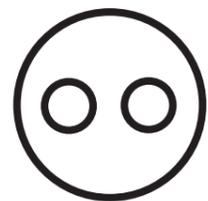


- Sizes available
TH3-B TH4-B
TH5-B TH6-B
TH7-B TH8-B

One-Piece Screwdriver



- Sizes available
TH3-OPS TH4-OPS
TH5-OPS TH6-OPS
TH7-OPS TH8-OPS
THN08 THN14



2-Hole

DRIVER SIZE	TO SUIT	SELF TAPPERS		No.4	No.6	No.8	No.10	No.12	No.14			
	MACHINE SCREWS	M3	M3.5	M4	M5		M6	M8	M10			
TH3		•										
TH4			•									
TH5				•								
TH6					•							
TH7						•						
TH8							•					
N8								•				
N14										•		

PIN HEX TOOLING

SOLD IN SINGLES

25mm Insert Bit



- Sizes available
H020-B H030-B
H040-B H050-B
H060-B H080-B
HM02-B HM025-B
HM03-B HI732-B
HI316-B HI516-B

50mm Insert Bit



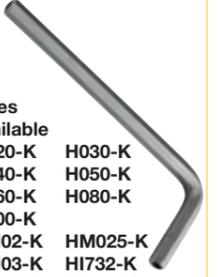
- Sizes available
H020-B50
H030-B50
H040-B50

One-Piece Screwdriver



- Sizes available
H030-OPS
H040-OPS

'L' Key Wrench



- Sizes available
H020-K H030-K
H040-K H050-K
H060-K H080-K
H100-K HM025-K
HM02-K HM025-K
HM03-K HI732-K
HI316-K HI516-K



Pin Hex

DRIVER SIZE	TO SUIT	SELF TAPPERS		No.6	No.8	No.10	No.12	No.14			
	MACHINE SCREWS	M3	M3.5	M4	M5		M6	M8	M10	M12	
H20		•									
H30			•								
H40				•	•	•	•				
H50								•			
H60									•		
H80										•	

6-LOBE PIN TOOLING

SOLD IN SINGLES

25mm Insert Bit



- Sizes available
T08-B T10-B
T15-B T20-B
T25-B T27-B
T30-B T40-B
T45-B

50mm Insert Bit



- Sizes available
T10-B50
T15-B50
T20-B50
T25-B50
T27-B50
T30-B50

One-Piece Screwdriver



- Sizes available
T10-OPS T15-OPS
T20-OPS T25-OPS
T30-OPS

'L' Key Wrench

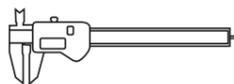


- Sizes available
T10-K T15-K
T20-K T25-K
T27-K T30-K
T40-K T45-K
T50-K T55-K



6-Lobe Pin

DRIVER SIZE	TO SUIT	SELF TAPPERS		No.4	No.6 ^{BH}	No.6 ^{CSK}	No.8 ^{BH}	No.8 ^{CSK}	No.10	No.12	No.14			
	MACHINE SCREWS	M3					M4	M5		M6	M8	M10		
T10		•	•											
T15				•	•									
T20						•								
T25								•						
T27									•					
T30										•				
T40											•			
T45												•		



Technical

Guide sizes only. For accurate current stock sizes, please contact our sales team. Samples available for approval upon request, we recommend you check an actual stock item before using it in a production run.



Every effort has been made to ensure the accuracy of information provided in this catalogue. Hafren Fasteners cannot warrant the information however, expressly or implied, and any liability arising from it is expressly excluded. Customers must satisfy themselves as to the suitability of products and the technical information relating to them, and it is recommended that you conduct your own tests to establish suitability. This does not effect your statutory rights.

2-HOLE TECHNICAL INFORMATION

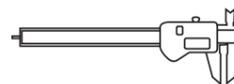
SCREW TYPE 2-HOLE	DIMENSIONS	SELF TAPPING SCREWS						METRIC MACHINE SCREWS				
		No. 4	No. 6	No. 8	No. 10	No. 12	No. 14	M3	M3.5	M4	M5	M6
PAN HEAD		5.4	6.7	8.0	9.2	10.5	12.2	5.8	N/A	7.8	9.8	11.8
		1.6	2.0	2.3	2.7	3.1	3.5	1.7	N/A	2.4	2.9	3.5
COUNTERSUNK HEAD		5.5	6.6	7.8	8.9	10.1	12.3	5.5	N/A	7.3	9.0	10.7
		1.7	2.1	2.5	3.0	3.4	3.9	1.7	N/A	2.2	2.5	3.0
RAISED COUNTERSUNK HEAD		N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.4	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.9	N/A	N/A	N/A

PIN HEX TECHNICAL INFORMATION

SCREW TYPE PIN HEX	DIMENSIONS	SELF TAPPING SCREWS					METRIC MACHINE SCREWS							
		No. 6	No. 8	No. 10	No. 12	No. 14	M3	M3.5	M4	M5	M6	M8	M10	M12
BUTTON HEAD		6.7	7.4	9.3	10.3	11.0	5.5	N/A	7.4	9.3	10.3	13.7	17.1	20.4
		2.5	2.1	2.6	3.2	3.4	1.5	N/A	2.2	2.7	3.2	4.4	5.6	6.5
COUNTERSUNK HEAD		6.6	7.9	9.3	10.4	12.4	5.7	N/A	7.7	9.8	11.8	15.1	19.3	23.2
		2.1	2.5	3.0	3.4	3.8	1.7	N/A	2.3	2.8	3.3	5.0	6.7	7.4
RAISED COUNTERSUNK HEAD		N/A	N/A	N/A	N/A	N/A	N/A	6.4	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A	N/A	N/A

PLEASE NOTE:

All sizes shown are in mm without min and max tolerances and are guide sizes. Hafren Fasteners reserve the right to change/alter sizes without notice.



6-LOBE PIN TECHNICAL INFORMATION

SCREW TYPE 6-LOBE PIN	DIMENSIONS	SELF TAPPING SCREWS						METRIC MACHINE SCREWS						
		No. 4	No. 6	No. 8	No. 10	No. 12	No. 14	M3	M3.5	M4	M5	M6	M8	M10
BUTTON HEAD		N/A	6.7	7.4	9.3	10.2	11.0	5.5	N/A	7.4	9.3	10.4	13.7	17.0
		N/A	2.6	2.2	2.6	3.1	3.4	1.6	N/A	2.1	2.7	3.2	4.3	5.8
COUNTERSUNK HEAD		4.9	6.6	7.9	9.3	10.6	12.4	5.6	N/A	7.8	9.8	11.6	15.2	17.4
		1.5	2.1	2.5	3.0	3.4	3.8	2.0	N/A	2.3	2.8	3.3	5.0	5.1
RAISED COUNTERSUNK HEAD		N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.4	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A	N/A

CLUTCH HEAD TECHNICAL INFORMATION

SCREW TYPE CLUTCH HEAD	DIMENSIONS	TWINTHREAD WOODSCREWS				SELF TAPPING SCREWS				METRIC MACHINE SCREWS		
		No. 6	No. 8	No. 10	No. 12	No. 6	No. 8	No. 10	No. 14	M4	M5	M6
ROUND HEAD		N/A	N/A	N/A	N/A	6.3	7.6	8.8	11.7	7.4	9.3	10.2
		N/A	N/A	N/A	N/A	2.5	2.9	3.4	4.4	2.8	3.2	3.5
COUNTERSUNK HEAD		7.0	8.3	9.3	11.0	6.8	8.1	9.4	N/A	N/A	N/A	N/A
		3.5	4.6	5.0	5.4	3.2	3.8	4.4	N/A	N/A	N/A	N/A

DRILLING GUIDE FOR AB SELF TAPPING SCREWS (mm)

SCREW GAUGE	MATERIAL THICKNESS										
	.45	.7	.9	1.2	1.6	2.0	2.6	3.2	4.7	6.3	10.0
4	2.00		2.30		2.40	2.60					
6	2.30		2.80		2.90	3.10	3.20				
8		2.90	3.10	3.20	3.40		3.70	3.80			
10		3.40		3.60	3.80		4.10	4.30	4.50		
12		4.10		4.30	4.50		4.80	4.90	5.10		
14				4.80	5.20	5.40		5.70	5.90	6.00	6.00



Application

Whilst all our security fasteners and fixings are tamper resistant, there are further ways to increase the security level and make it harder for the intruder.

Use Hafren patented products for a more secure fastener:

- These products have been designed and developed to be more resilient to attack.
- Drivers for these products are less readily available.

CONSIDER THE FOLLOWING POINTS WHEN SPECIFYING AND USING SECURITY FASTENERS



- Placing fasteners in tight corners makes access for impulse tampering more difficult.



- Placing fasteners in a recess further increases the level of security.

- Mixing of driver types makes it harder for intrusion



Can't find the size of Security Fastener you need?

1. Use a length of studding with security nuts. (As shown with Kinmar[®] Removable Nuts)



2. Use a standard Hex head fastener with (a) Armour Ring[™] or (b) Nogo[™]



Promotional

At Hafren we're committed to helping you promote security fasteners and fixings to the end user.

There are endless applications that require security fasteners, ranging from a door entry control panel, to securing the toilet roll holders in a hotel. Sadly, but inescapably, the need to safeguard against theft and vandalism is increasingly an essential part of design specifications.

Educate the end user and increase security awareness . . .

- Plain label leaflets
- Overprintable flyers
- Trade counter stands
- Samples upon request
- Sample cases
- Exhibition and open day displays



Call

01686 621 300

For our latest promotional merchandise

Do you deal with the following?

- PRISONS
- HOSPITALS
- AIRPORTS
- STATIONS
- COUNCILS
- FABRICATORS
- SCHOOLS
- TELECOMS
- POLICE DEPARTMENTS
- PLAYGROUND MANUFACTURERS
- CIVIL ENGINEERS
- DESIGNERS
- PUBLIC UTILITIES
- MINISTRY OF DEFENCE
- SPORTING VENUES
- ARCHITECTS
- RETAIL SHOP FITTERS
- ELECTRONICS
- MUSEUMS
- AND MORE . . .

“TELL THEM ABOUT SECURITY FIXINGS”

Don't lose it . . .



. . . Secure it.

NO



Hafren Fasteners
Unit 23
Mochdre Industrial Park
Newtown
Powys
SY16 4LE
United Kingdom

T: +44 (0)1686 621 300
F: +44 (0)1686 621 800
E: info@hafrenfasteners.com
W: hafrenfasteners.com