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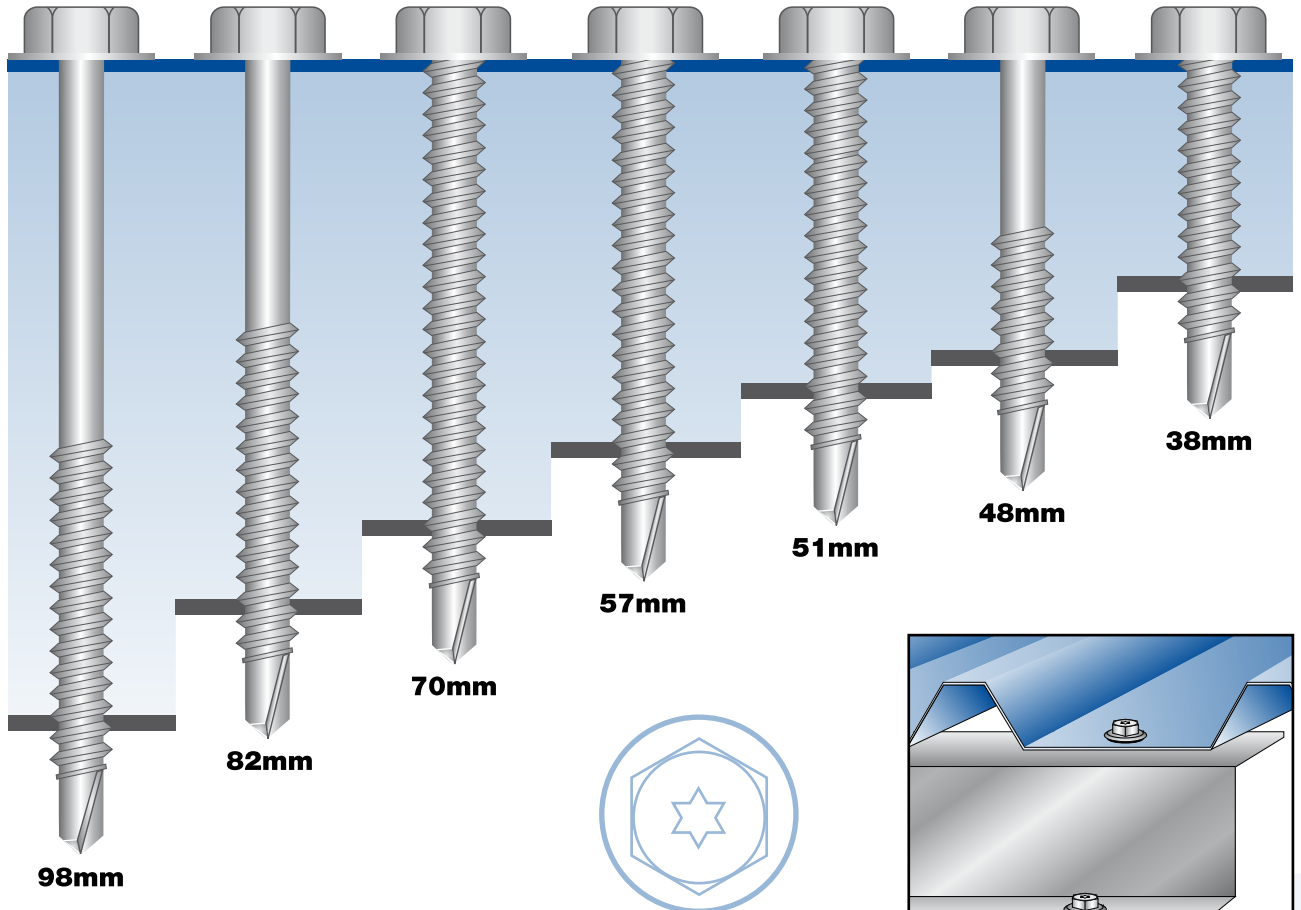
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HEXAGON HEAD SELF DRILLING SCREWS FOR LIGHT SECTIONS 1.5MM TO 3.5MM

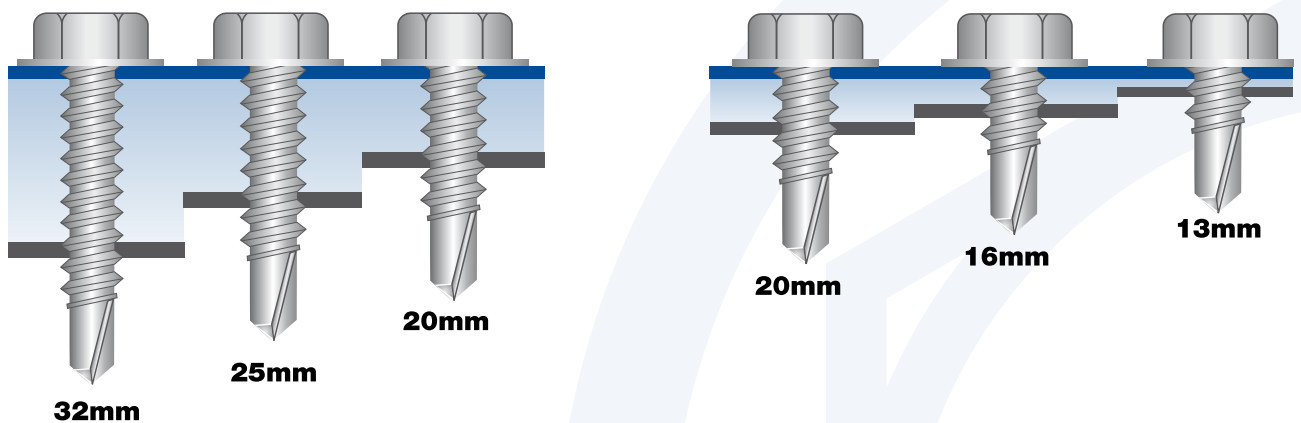
12 Gauge

CODE	LS98	LS82	LS70	LS57	LSFT51	LS48	LS38
ETL	86mm	70mm	58mm	45mm	39mm	36mm	26mm



12 Gauge

CODE	LS32	LS25	LS19	LS2010	LS16	LS13
ETL	20mm	13mm	8mm	8mm	7mm	5mm

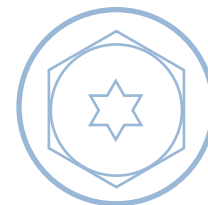
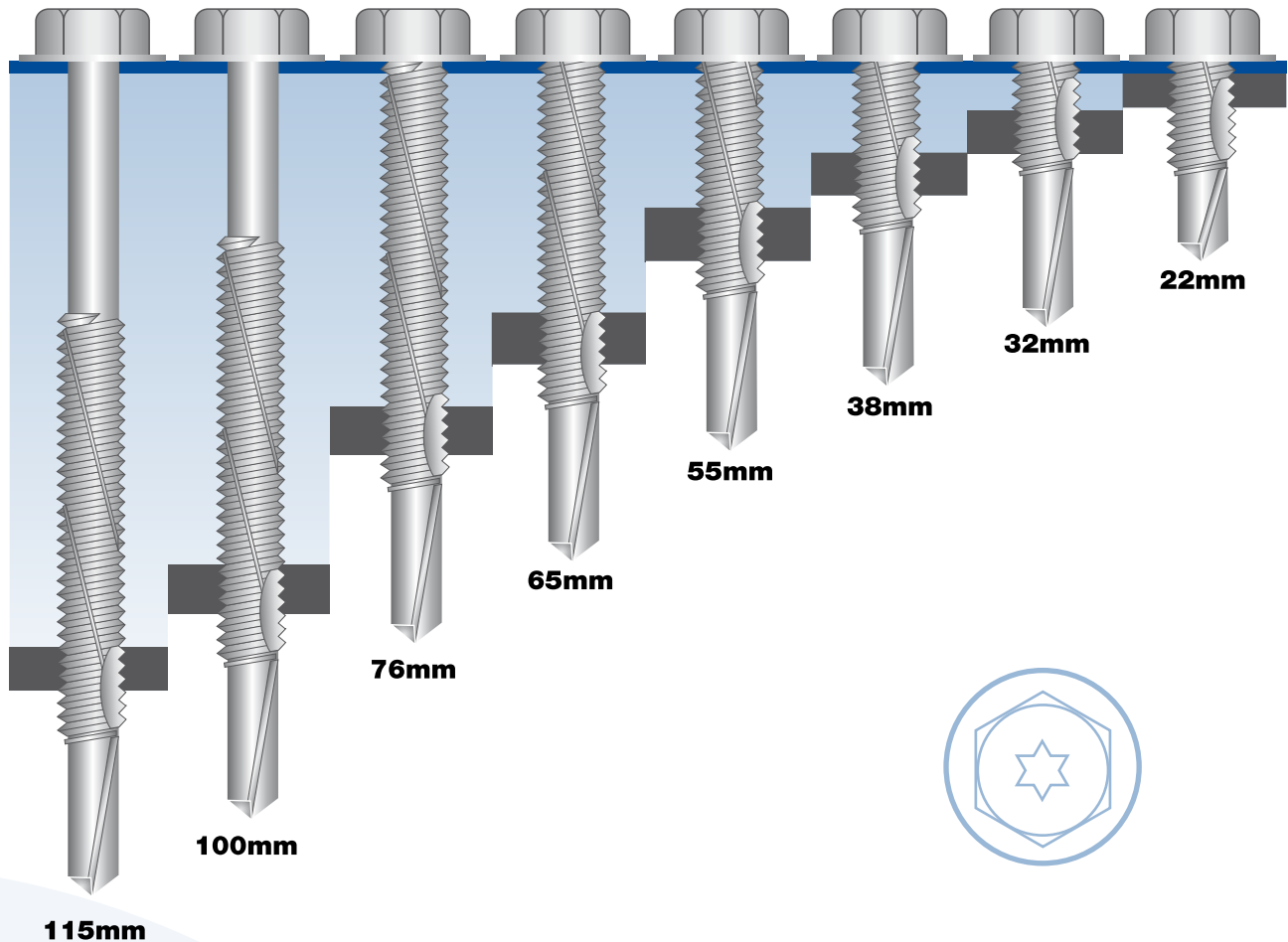




HEXAGON HEAD SELF DRILLING SCREWS FOR HEAVY SECTION 6.0MM TO 12.5MM

12 Gauge

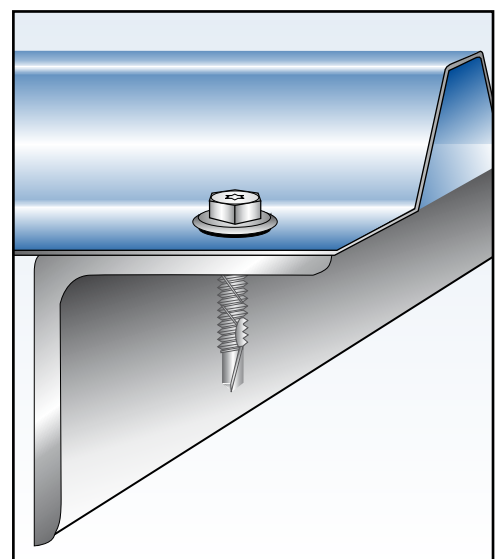
CODE	HS115	HS100	HS76	HS65	HS55	HS38	HS32	HS22
ETL	91mm	77mm	52mm	42mm	30mm	14mm	10mm	8mm



Additions for various washer combinations

CODE	DESCRIPTION	
G16	16mm Galvanised Bonded Washer 3mm Epdm backing	
G19	19mm Galvanised Bonded Washer 3mm Epdm backing	
G28	28mm Galvanised Bonded Washer 3mm Epdm backing	

NB - Use of washer reduces ETL by 4mm

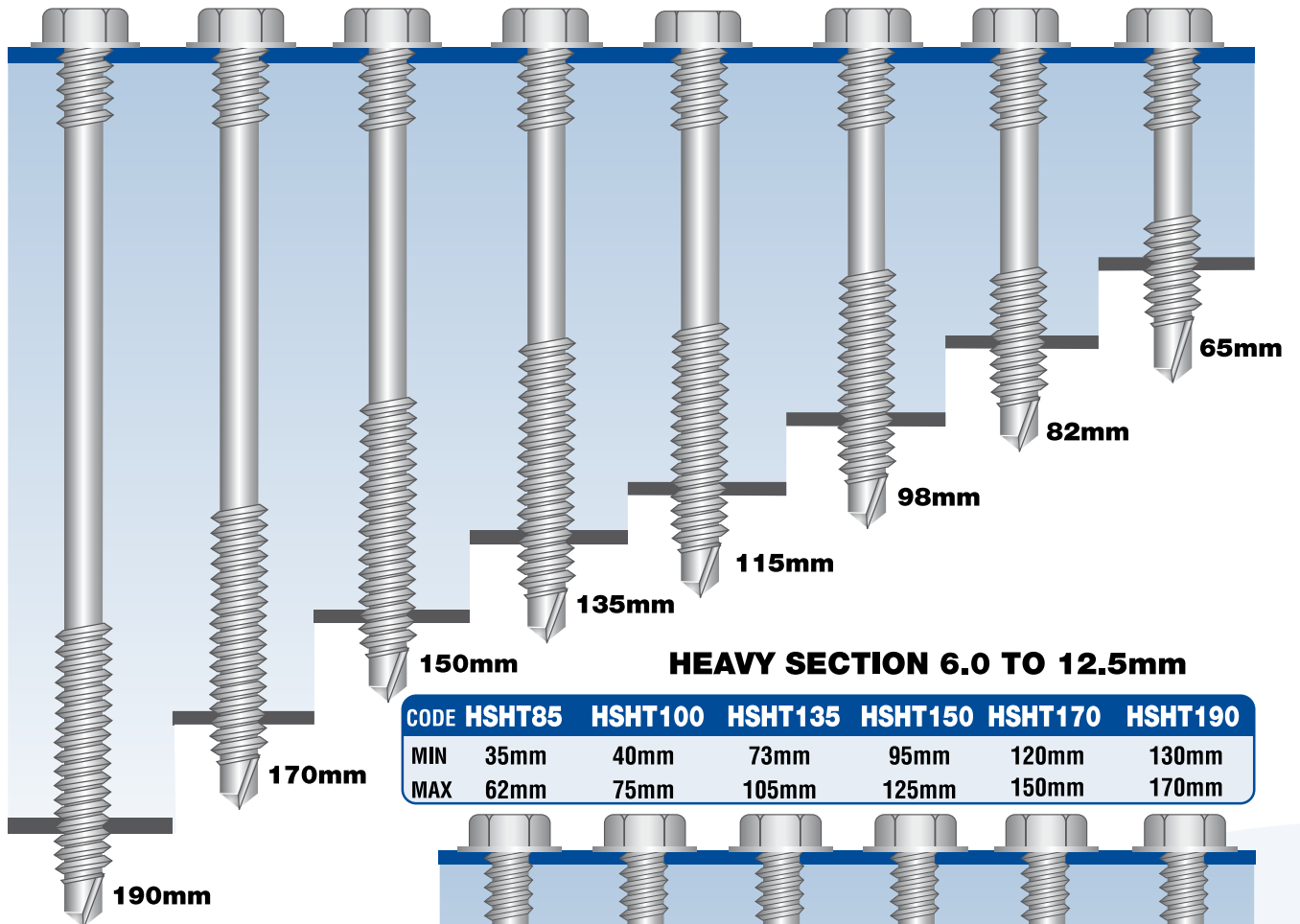




HEXAGON HEAD SELF DRILLING SCREWS FOR COMPOSITE PANELS LIGHT SECTION 1.5 TO 3.5mm

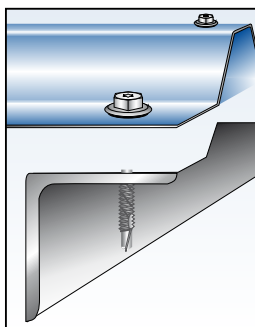
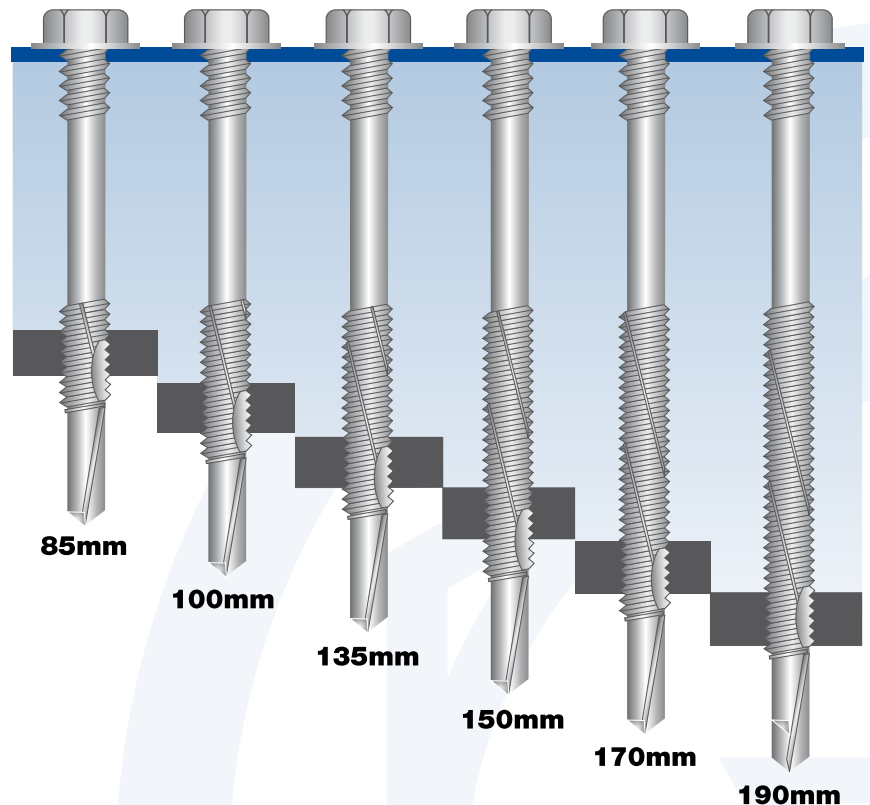
12 Gauge

CODE	LSHT190	LSHT170	LSHT150	LSHT135	LSHT115	LSHT98	LSHT82	LSHT65
MIN	130mm	110mm	90mm	80mm	60mm	45mm	32mm	27mm
MAX	170mm	150mm	130mm	120mm	95mm	73mm	65mm	50mm



HEAVY SECTION 6.0 TO 12.5mm

CODE	HSHT85	HSHT100	HSHT135	HSHT150	HSHT170	HSHT190
MIN	35mm	40mm	73mm	95mm	120mm	130mm
MAX	62mm	75mm	105mm	125mm	150mm	170mm

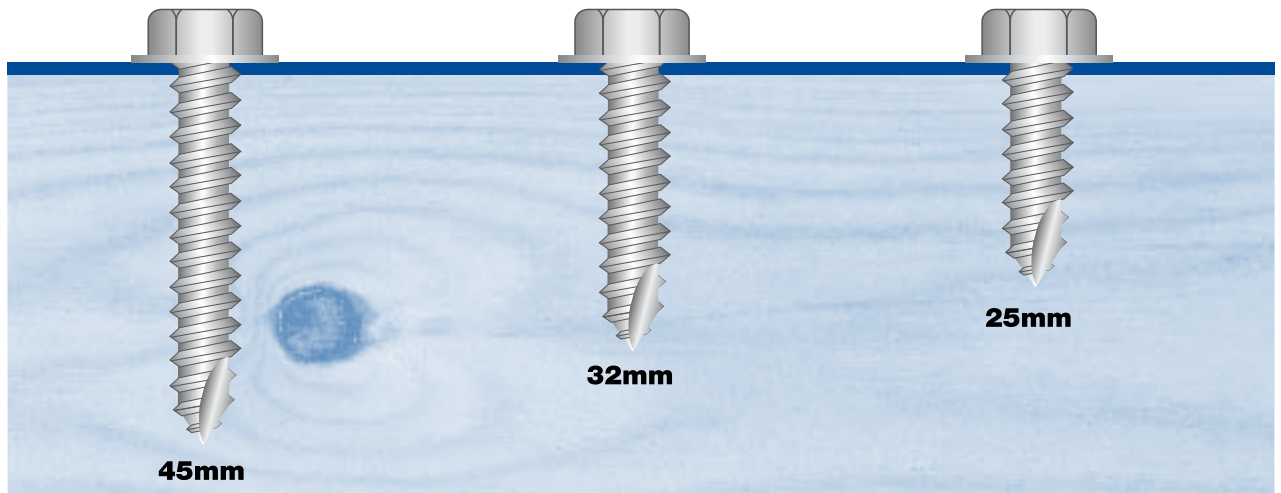




HEXAGON HEAD SHEET TO TIMBER SCREWS

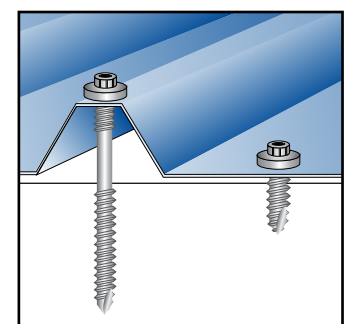
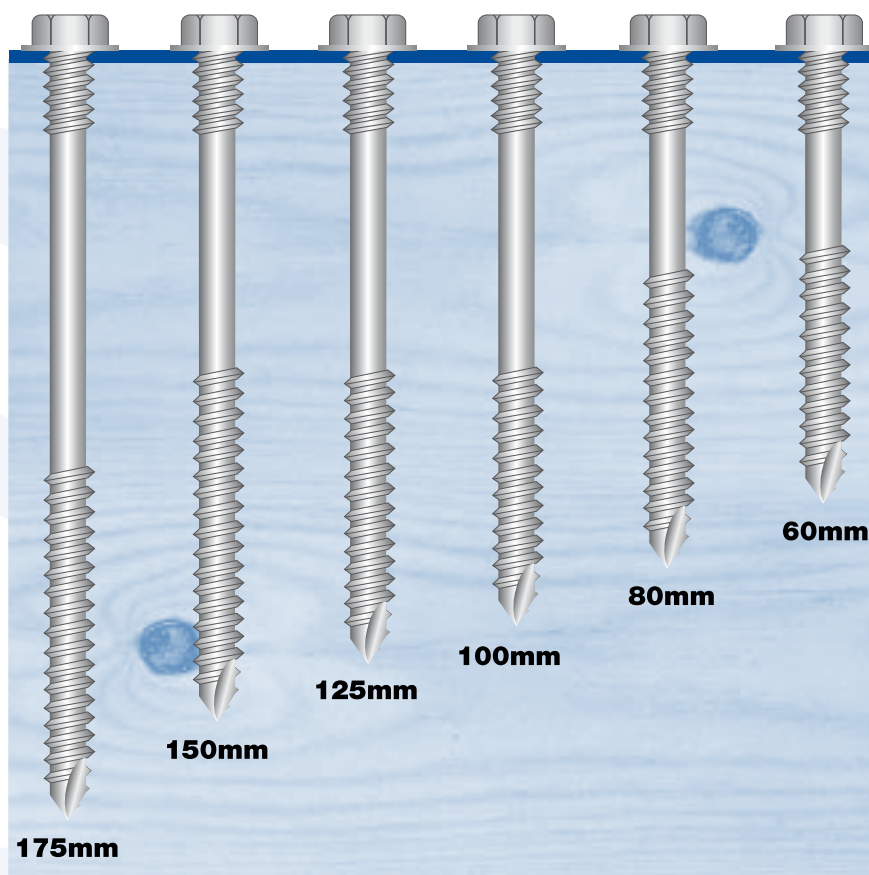
14 Gauge

CODE	TF45	TF32	TF25
ETL	40mm	27mm	20mm



HEXAGON HEAD COMPOSITE PANEL TIMBER SCREWS

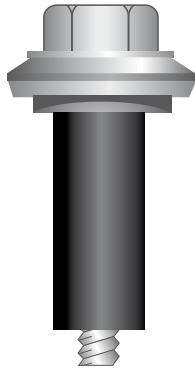
CODE	TFHT175	TFHT150	TFHT125	TFHT100	TFHT80	TFHT60
MIN	120mm	90mm	70mm	50mm	30mm	25mm
MAX	150mm	125mm	100mm	75mm	55mm	35mm



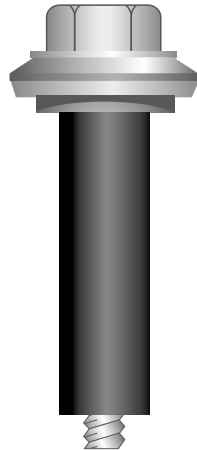


STITCHING SCREWS AND STITCHING PRODUCTS

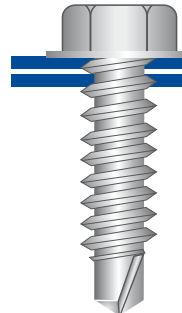
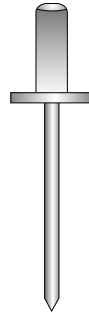
CODE	LASL25	LASL38	RAM4815	LST3	LST2	LST1
ETL	15mm	25mm	4.8 x 15	16G	14G	10G



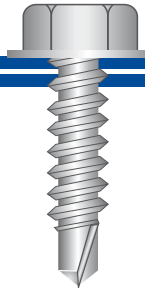
25mm



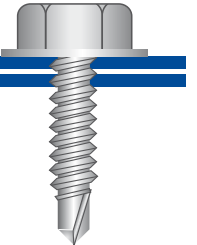
38mm



25mm



22mm



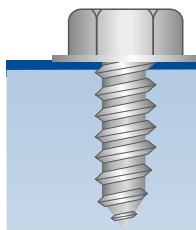
20mm



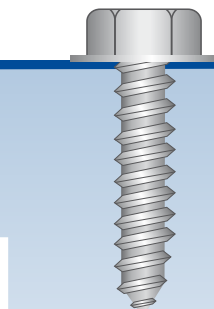
HEXAGON HEAD SELF TAPPING SCREWS AB POINT

14 Gauge

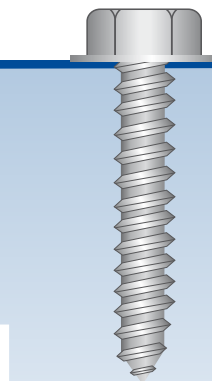
CODE	ST25	ST40	ST50	ST65	ST75
ETL	20mm	35mm	45mm	60mm	70mm



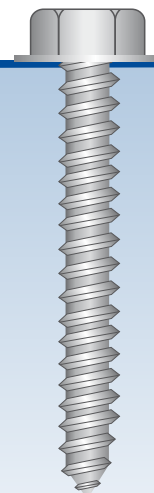
25mm



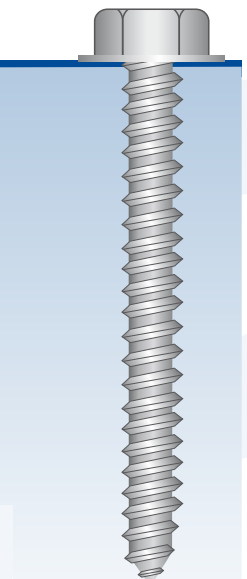
40mm



50mm



65mm



75mm



Other sizes available from stock




CODE	ST100	ST120	ST140	ST160	ST175
ETL	95mm	115mm	135mm	155mm	170mm

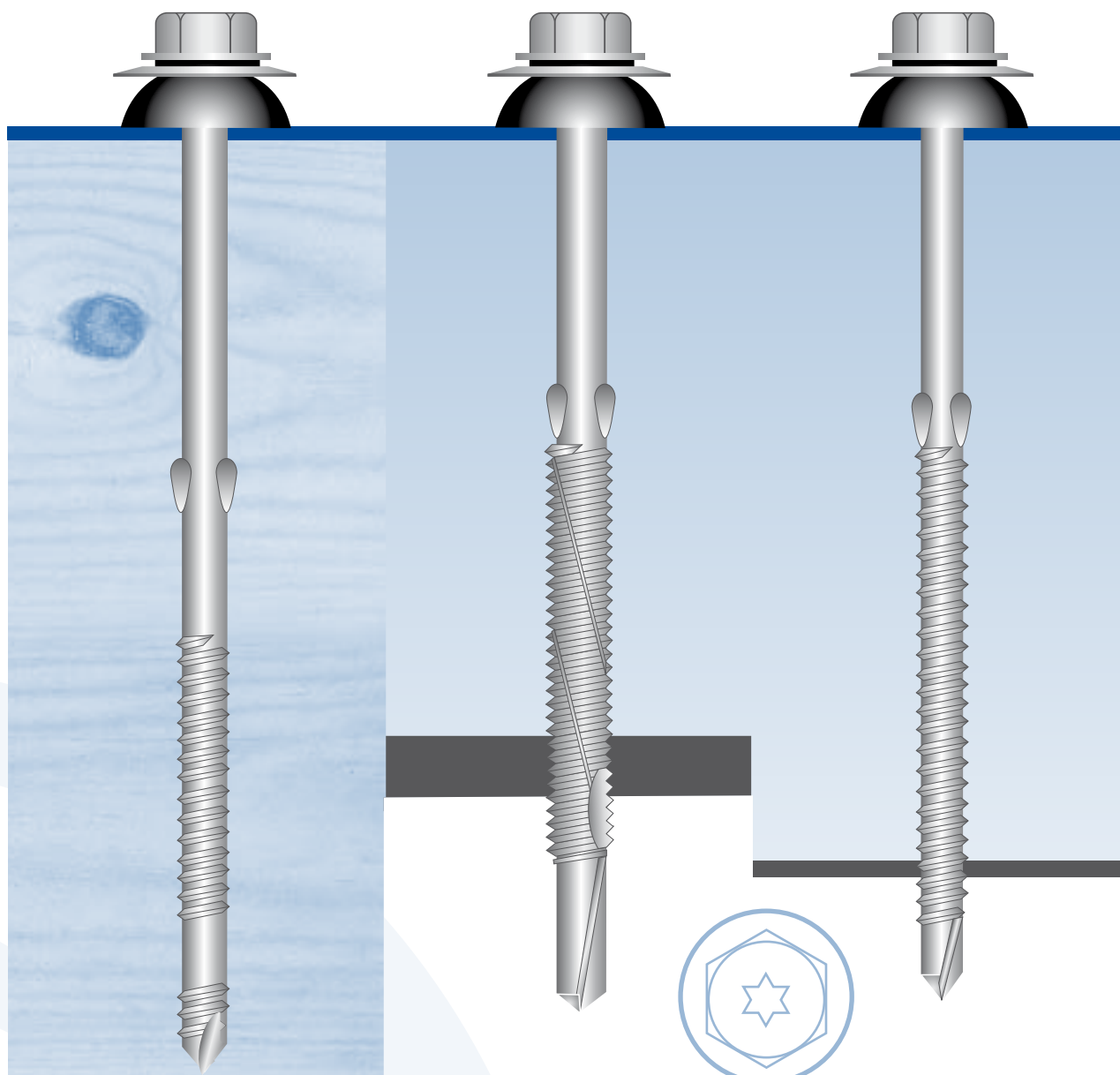
CARBON STEEL



**HEXAGON HEAD SELF DRILLING SCREWS
FOR FIBRE CEMENT SHEETS**

14 Gauge

			
CODE	PH_ACT_BAZ	PH_AC_HBAZ	PH_AC_BAZ
CODE	ACT_BAZ	AC_HBAZ	AC_BAZ
POINT	SPT	5PT	3PT



CODE	ETL
ACT130BAZ	80mm

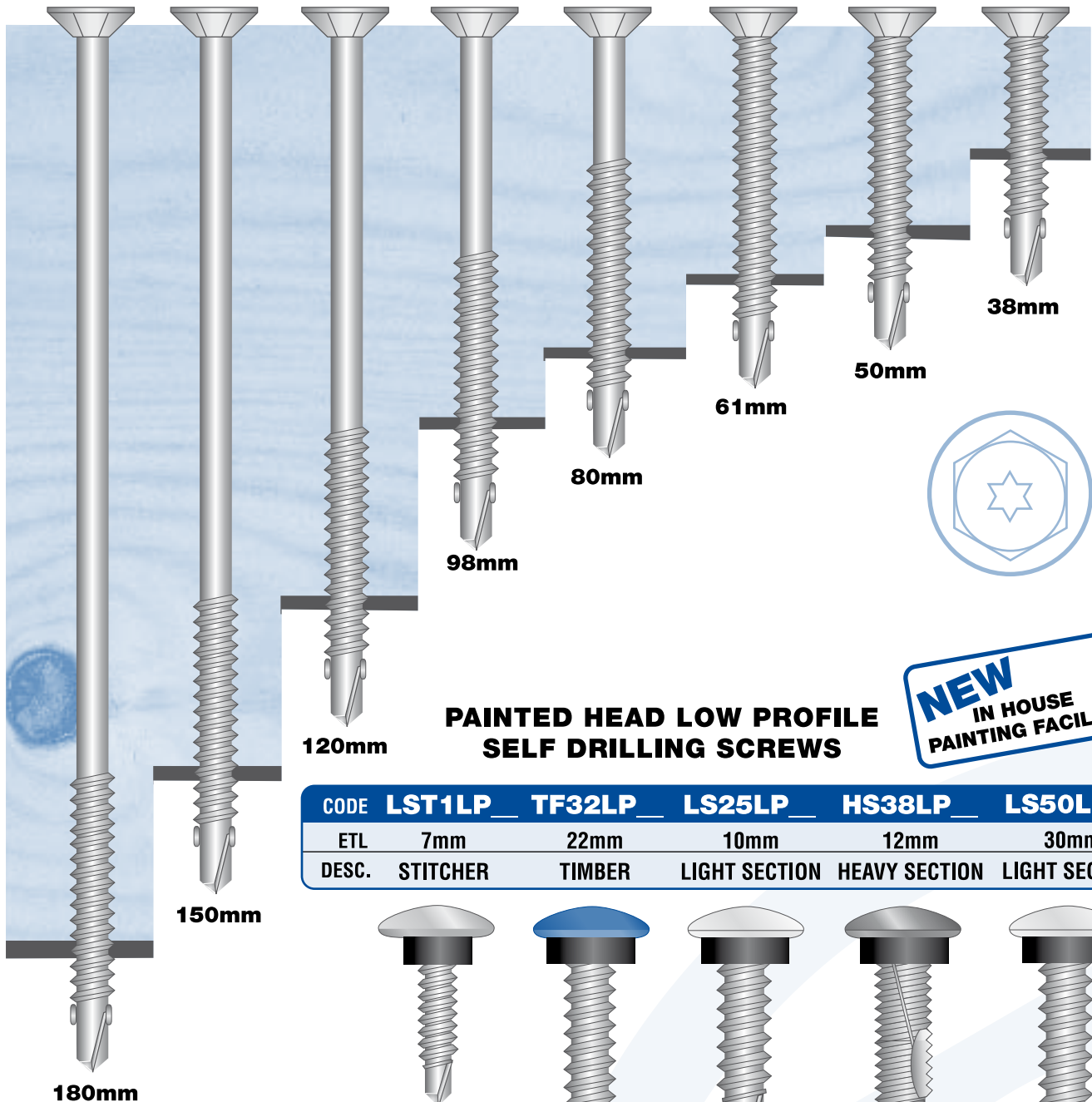
CODE	ETL
AC115HBAZ	80mm
AC155HBAZ	120mm
AC195HBAZ	160mm
AC235HBAZ	200mm

CODE	ETL
AC110BAZ	80mm
AC150BAZ	120mm
AC190BAZ	160mm
AC230BAZ	200mm



COUNTERSUNK HEAD WING DRILLSCREWS FOR TIMBER TO STEEL LIGHT SECTION

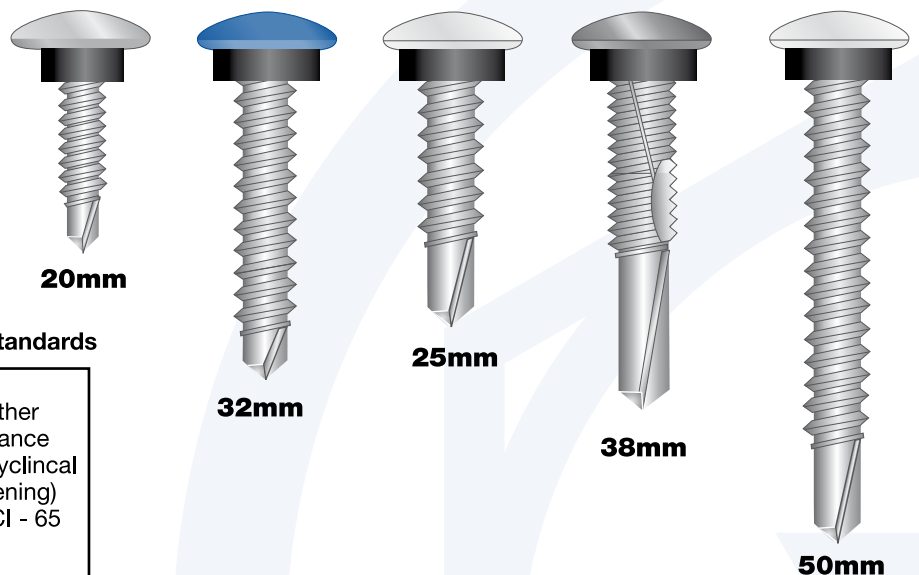
	12 Gauge					10 Gauge		
CODE	LSCW180	LSCW150	LSCW120	LSCW98	LSCW80	LSCW61	LSCW50	LSCW38
ETL	163mm	133mm	103mm	81mm	62mm	43mm	32mm	22mm



PAINTED HEAD LOW PROFILE SELF DRILLING SCREWS

NEW
IN HOUSE
PAINTING FACILITY

CODE	LST1LP	TF32LP	LS25LP	HS38LP	LS50LP
ETL	7mm	22mm	10mm	12mm	30mm
DESC.	STITCHER	TIMBER	LIGHT SECTION	HEAVY SECTION	LIGHT SECTION



Painted head tested to the following standards

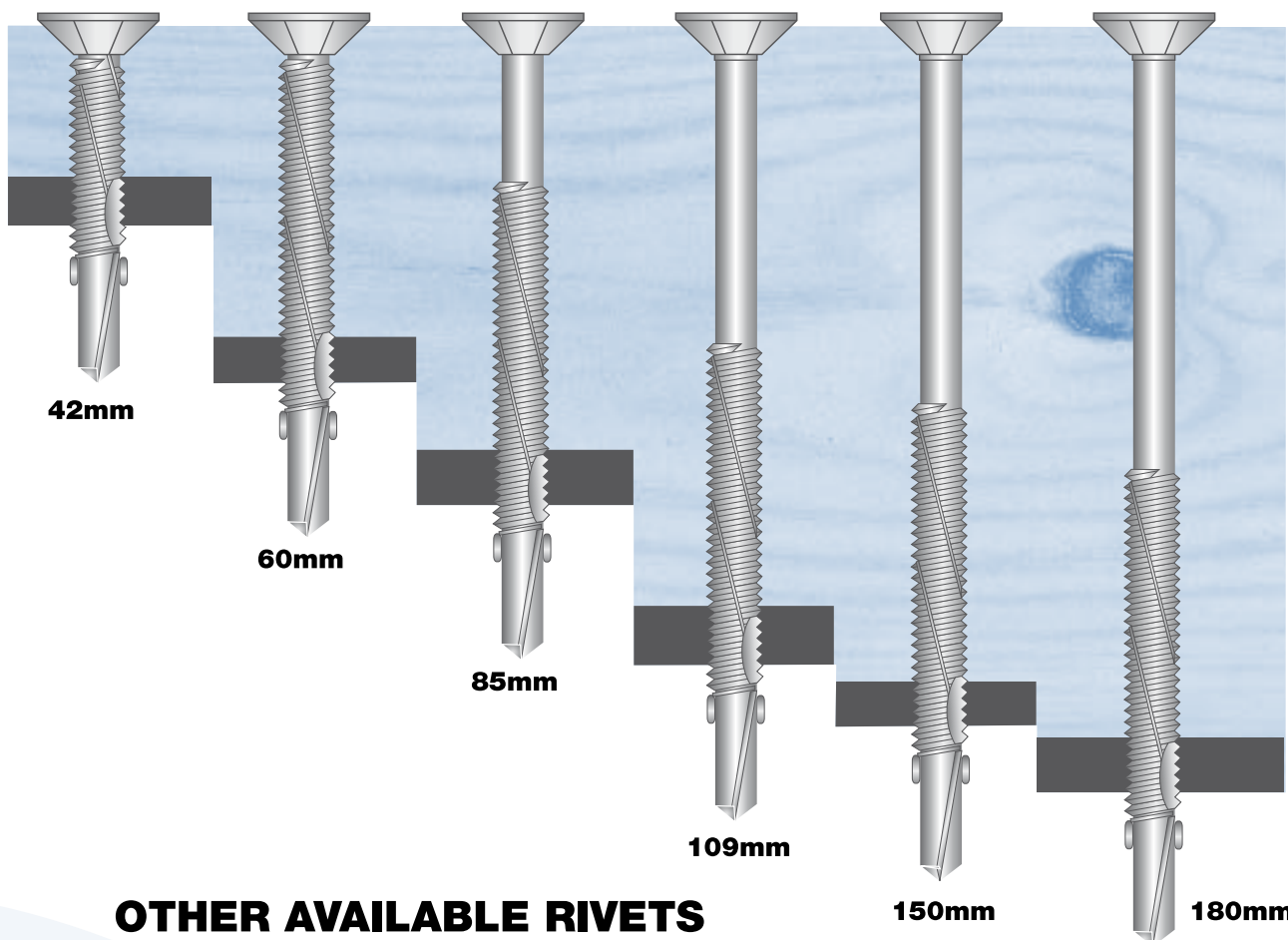
Adhesion : ISO 2409	Weather resistance (UV & Cyclinical moistening) Atlas CI - 65
Scratch Firmness : ISO 1518	
Bucholz Hardness : ISO 2815	

CARBON STEEL



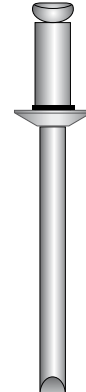
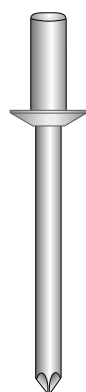
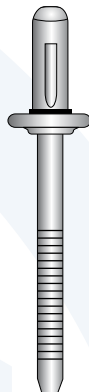
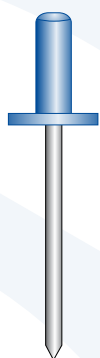
**HEAVY SECTION
12 Gauge**

CODE	HSCW42	HSCW60	HSCW85	HSCW109	HSCW150	HSCW180
ETL	15mm	32mm	57mm	82mm	120mm	150mm



OTHER AVAILABLE RIVETS

CODE	PAINTED RIVETS	BULBTITE	SEALED	STEEL
ETL	RAM4815	RABTR	RAS	RSM



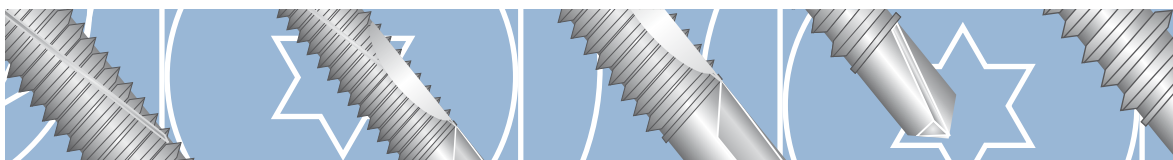
GRIP RANGE
9.5mm MAX

CODE	SIZE	GRIP (MAX)
3W	5.2 x 17	4.7mm
4W	5.2 x 19	6.3mm
6W	5.2 x 22	9.5mm
10W	5.2 x 28	15mm
12W	5.2 x 31	19mm

CODE	SIZE	GRIP (MAX)
328	3.2 x 8	4.8mm
4811	4.8 x 11	6.5mm
4813	4.8 x 13	7.9mm
4818	4.8 x 18	10mm

CODE	SIZE	GRIP (MAX)
3212	3.2 x 12	5.5mm
4811	4.8 x 11	6.5mm
4813	4.8 x 13	7.9mm
4818	4.8 x 18	10mm

OTHER SIZES AVAILABLE ON REQUEST
SEE PAGE 14 FOR COLOUR REFERENCES



TOP-CAP®

Fascia Pins & Nails



CODE No.	DESCRIPTION	BOX QTY.	OUTER CARTON QTY.
PP25 __	2.1 x 25mm Stainless Steel Pin	250	12000
PP30 __	2.1 x 30mm Stainless Steel Pin	250	12000
PP40 __	2.1 x 40mm Stainless Steel Pin	250	12000
PN40 __	3.35 x 40mm Stainless Steel Nail	100	2500
PN50 __	3.35 x 50mm Stainless Steel Nail	100	2500
PN65 __	3.35 x 65mm Stainless Steel Nail	100	2500
PP30	2.1 x 30mm Stainless Steel Pin Only	250	12000

Colours available

WH - White **BR** - Brown **BL** - Black **LO** - Light Oak **GR** - Light Grey **CR** - Cream
Other colours available on application

TOP-CAP®

Marine Grade Stainless Steel

TOP-CAP®

Specially designed Annular Ring Shank

TOP-CAP®

Improved design giving thicker metal head

TOP-CAP®

Modified point to assist starting

TOP-CAP®

Impact modified nylon head moulding with large impact area

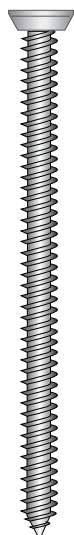
TOP-CAP®

UV stabilised materials

TOP-CAP®

10 year guarantee

Concrete Screws Torx Countersunk



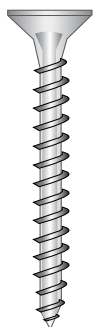
CODE No.	DESCRIPTION	BOX QTY.
WIVFCS7540	7.5 x 40mm	100
WIVFCS7560	7.5 x 60mm	100
WIVFCS7580	7.5 x 80mm	100
WIVFCS5100	7.5 x 100mm	100
WIVFCS5120	7.5 x 120mm	100
WIVFCS5150	7.5 x 150mm	100
WIVFCS5180	7.5 x 180mm	100

DRILL BITS TO SUIT

SDS6160	6 x 160mm	
SDS6210	6 x 210mm for longer screws	

TOP-CAP®

Multi Purpose Screws Pozi Countersunk

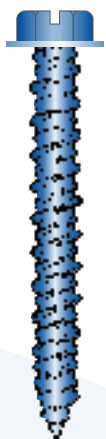


CODE No.	DESCRIPTION	BOX QTY.
WIMPS425	4 x 25mm	200
WIMPS430	4 x 30mm	200
WIMPS435	4 x 35mm	200
WIMPS440	4 x 40mm	200
WIMPS450	4 x 50mm	200
WIMPS560	5 x 60mm	200
WIMPS570	5 x 70mm	200
WIMPS580	5 x 80mm	100
WIMPS5100	5 x 100mm	100

Other sizes available on application

BLUE-TAP

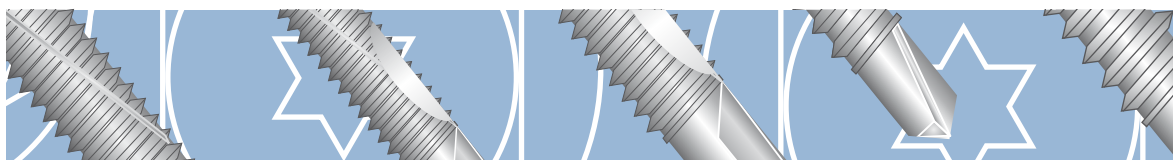
Anchors for Masonry



CODE No.	DESCRIPTION	BOX QTY.	OUTER CARTON QTY.
3H 32	5.5 x 32mm Hexagon Head	100	2400
3H 45	5.5 x 45mm Hexagon Head	100	2400
4H 32	6.3 x 32mm Hexagon Head	100	2400
4H 45	6.3 x 45mm Hexagon Head	100	2400
4H 57	6.3 x 57mm Hexagon Head	100	1200
4H 70	6.3 x 70mm Hexagon Head	100	1200
4H 82	6.3 x 82mm Hexagon Head	100	1200
4H 100	6.3 x 100mm Hexagon Head	100	1200
4H 125	6.3 x 125mm Hexagon Head	100	1200



CODE No.	DESCRIPTION	BOX QTY.	OUTER CARTON QTY.
3C 32	5.5 x 32mm Countersunk Head	100	2400
3C 45	5.5 x 45mm Countersunk Head	100	2400
3C 57	5.5 x 57mm Countersunk Head	100	1200
3C 70	5.5 x 70mm Countersunk Head	100	1200
3C 82	5.5 x 82mm Countersunk Head	100	1200
3C 100	5.5 x 100mm Countersunk Head	100	1200
4C 45	6.3 x 45mm Countersunk Head	100	2400
4C 57	6.3 x 57mm Countersunk Head	100	1200
4C 70	6.3 x 70mm Countersunk Head	100	1200
4C 82	6.3 x 82mm Countersunk Head	100	1200
4C 100	6.3 x 100mm Countersunk Head	100	1200
4C 125	6.3 x 125mm Countersunk Head	100	1200
DRILL BITS			
CDR4	4.0 Ø x 110mm Long		
CDR4L	4.0 Ø x 140mm Long		
CDR5	4.8 Ø x 110mm Long		
CDR5L	4.8 Ø x 140mm Long		



Integral Nylon Headed Fasteners

'SPECTRUM'

Nylon Headed Fasteners are designed to be used in the fixing of profiled metal cladding sheets.

'SPECTRUM'

Nylon Headed Fasteners are available in an extensive range of RAL and BS colours, from stock. Special colours can be matched to your requirements, subject to a minimum order quantity.

'SPECTRUM'

Nylon Headed Fasteners combine the performance of **'DRILLITT'** Self Drilling Screws with the advantage of a 'non-corrosive' nylon head in a vast range of colours.

'SPECTRUM'

Nylon Headed Fasteners have been produced with an 11mm Bi Hexagon head to give optimum socket grip. It gives the user a fastener that is easy to install, whilst also giving resistance to rounding due to the superior quality of the tough nylon head.

'SPECTRUM'

Nylon Headed Screws give the advantage of one fix, i.e. no capping out or time wasting, replacing caps that may become detached from standard hexagon head fasteners.

N.B. TO CREATE THE CODE YOU NEED:

'EXAMPLE': PH05 LS 25 G16

PH = PLASTIC HEAD

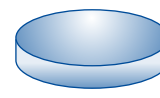
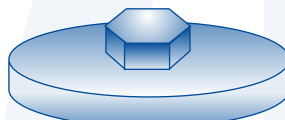
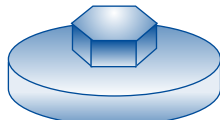
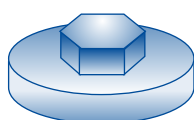
05 = COLOUR CODE (10A05 GOOSEWING GREY)

LS25 = 25mm No. 2PT (LIGHT SECTION)

G16 = 16mm GALVANISED BONDED WASHER

TFS Range of Plastic Caps

CODE	CA __ 516	CA __ 519	CA __ 532	CA __ PRC	CA __ BTR
TYPE	16mm HEX	19mm HEX	32mm HEX	POP RIVET	BULBTITE RIVET



SEE PAGE 14 FOR COLOUR REFERENCES



Colour Codes

If colour required is not listed here, please contact our Sales Department
as colour matching is available.

PH 01	00E55	WHITE
PH 02	00E53	BLACK
PH 03		CLEAR
PH 04	04E53	POPPY RED
PH 05	10A05	GOOSEWING GREY
PH 06	10E55	AZTEC YELLOW
PH 07	12B17	MEADOWLAND
PH 08	14C37	JADE
PH 09	7000	ALASKA
PH 10	7035	OYSTER
PH 11	18E58	BRITANNIA BLUE
PH 12	7012	SLATE GREY
PH 13	18E53	SOLENT BLUE
PH 14	5014	MOUNTAIN BLUE
PH 15	5015	BAHAMA BLUE
PH 16	18B29	SLATE BLUE
PH 17	18B17	ALBATROSS
PH 18	04C39	TERRACOTTA
PH 19	10B19	MUSHROOM
PH 20	12B29	JUNIPER GREEN
PH 21	12B21	MOORLAND GREEN
PH 22	6021	PALE GREEN
PH 23	14E53	VERONA GREEN
PH 24	9010	CLEAR WHITE
PH 25	18B25	MERLIN GREY

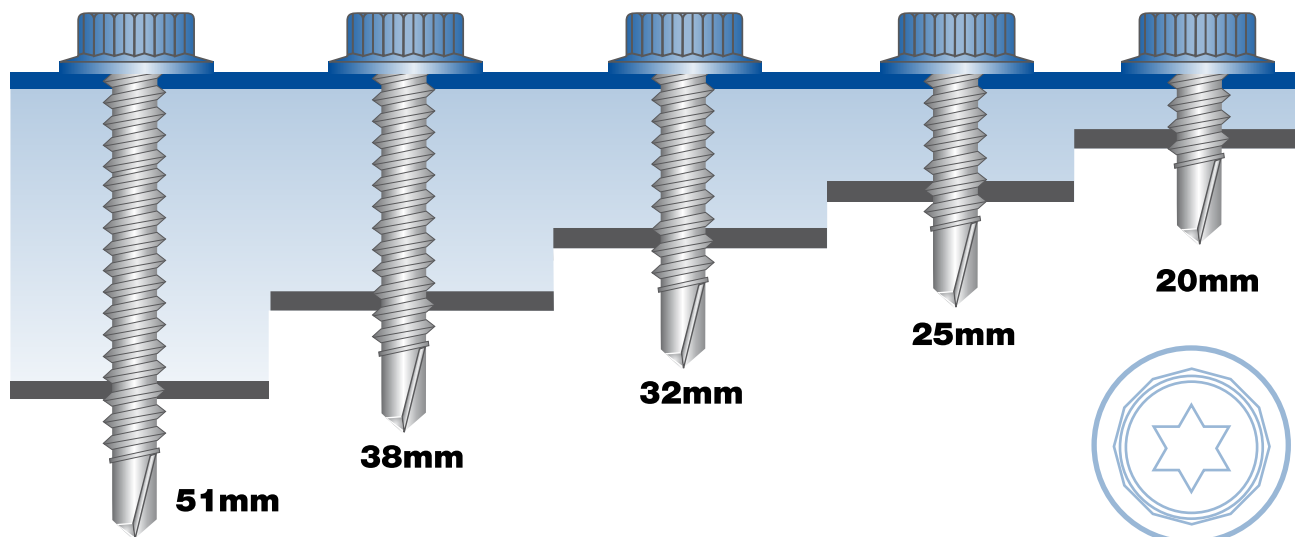
PH 26	08E53	SAFFRON
PH 27	12B27	OLIVE GREEN
PH 28	6018	YELLOW
PH 29	08B29	VANDYKE BROWN
PH 30	14C39	PINEWOOD GREEN
PH 31	10C31	HONESTY
PH 32	9002	HAMLET
PH 33	10B23	SVELTE GREY
PH 34	5003	SARGASSO BLUE
PH 35	08C35	BAMBOO
PH 36	06E53	TANGERINE
PH 37	18C37	WEDGEWOOD
PH 39	18C39	OCEAN BLUE
PH 40		RAL 9006 SILVER
PH 41		RAL 9001 WHITE
PH 42		RAL 6002 HERITAGE GREEN
PH 43	12E53	LINDEN GREEN
PH 44	04D44	PETRA
PH 47		COUNTRY GREEN
PH 48		RAL 3004 BURANO
PH 49		RAL 3009 TUNDRA
PH 50		RAL 9007 DARK SILVER
PH 52		RAL 5002 ULTRA MARINE
PH 66		RAL 7016 ANTHRACITE
PH 88		RAL 7037 PURE GREY



SELF DRILLING SCREWS FOR LIGHT SECTION 1.5mm to 3.5mm

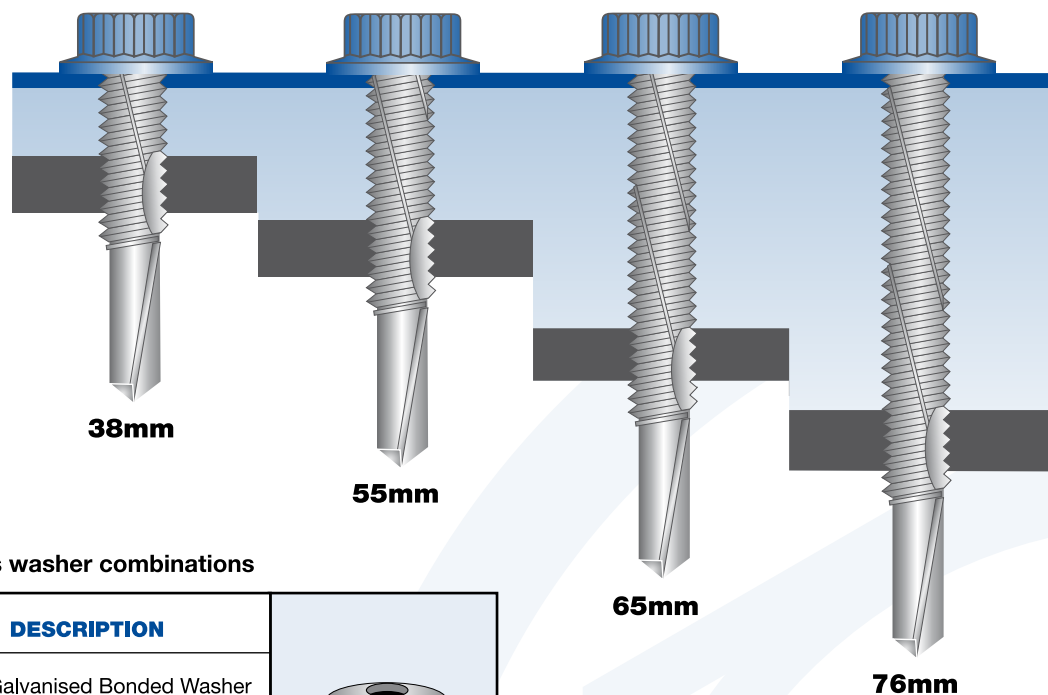
12 Gauge

CODE	PH __ LSFT51	PH __ LS38	PH __ LS32	PH __ LS25	PH __ LS19
ETL	38mm	32mm	16mm	10mm	9mm






SELF DRILLING SCREWS FOR HEAVY SECTION 6.0mm to 12.5mm

CODE	PH __ HS38	PH __ HS55	PH __ HS65	PH __ HS76
ETL	14mm	30mm	42mm	52mm



Additions for various washer combinations

CODE	DESCRIPTION	
G16	16mm Galvanised Bonded Washer 3mm Epdm backing	
G19	19mm Galvanised Bonded Washer 3mm Epdm backing	
G28	28mm Galvanised Bonded Washer 3mm Epdm backing	

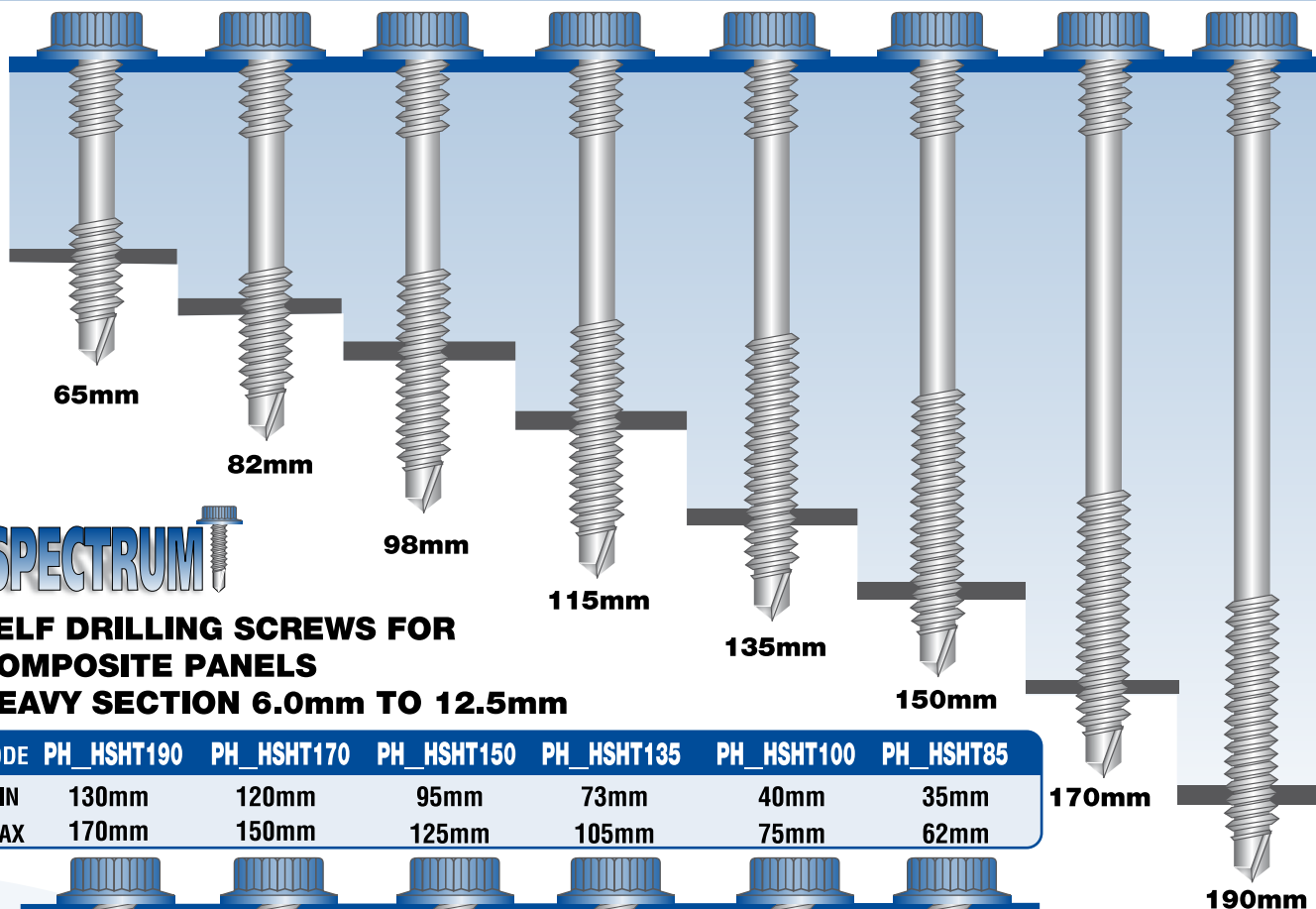
SEE PAGE 14 FOR COLOUR REFERENCES
NB - Use of washer reduces ETL by 4mm

CARBON STEEL

SPECTRUM

SELF DRILLING SCREWS FOR COMPOSITE PANELS
LIGHT SECTION 1.5mm TO 3.5mm
12 Gauge

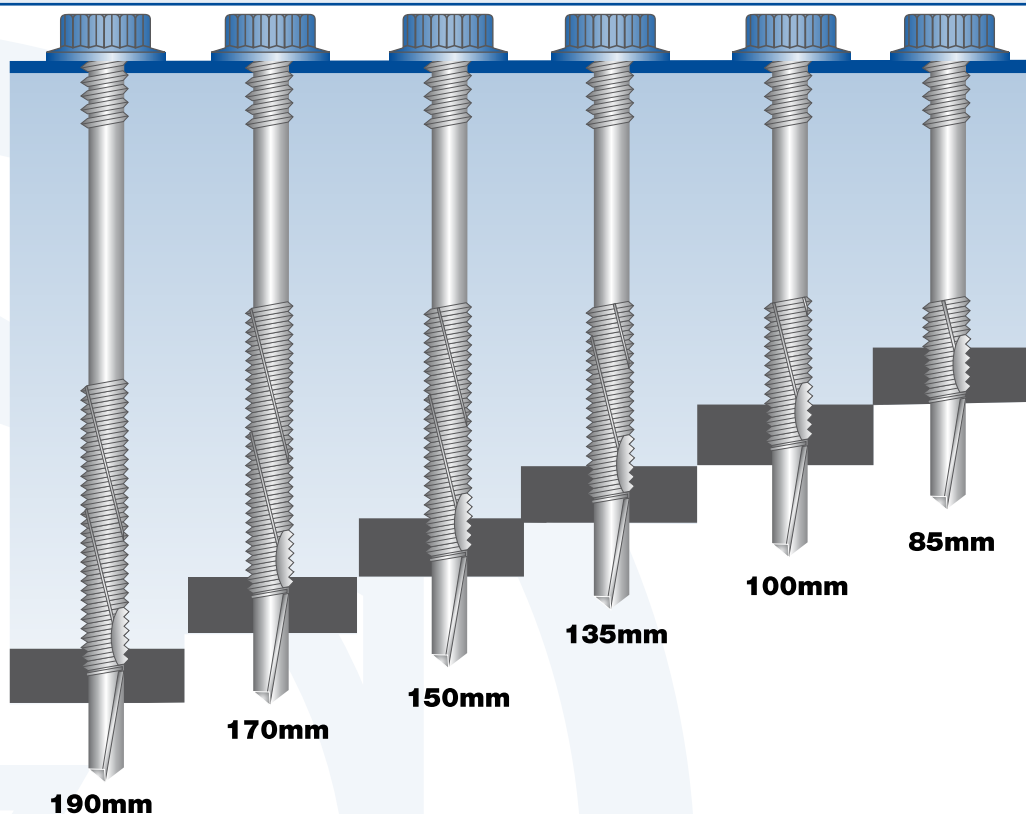
CODE	PH_LSHT65	PH_LSHT82	PH_LSHT98	PH_LSHT115	PH_LSHT135	PH_LSHT150	PH_LSHT170	PH_LSHT190
MIN	27mm	32mm	45mm	60mm	80mm	90mm	110mm	130mm
MAX	50mm	65mm	73mm	95mm	120mm	130mm	150mm	170mm



SPECTRUM

SELF DRILLING SCREWS FOR
COMPOSITE PANELS
HEAVY SECTION 6.0mm TO 12.5mm

CODE	PH_HSHT190	PH_HSHT170	PH_HSHT150	PH_HSHT135	PH_HSHT100	PH_HSHT85
MIN	130mm	120mm	95mm	73mm	40mm	35mm
MAX	170mm	150mm	125mm	105mm	75mm	62mm



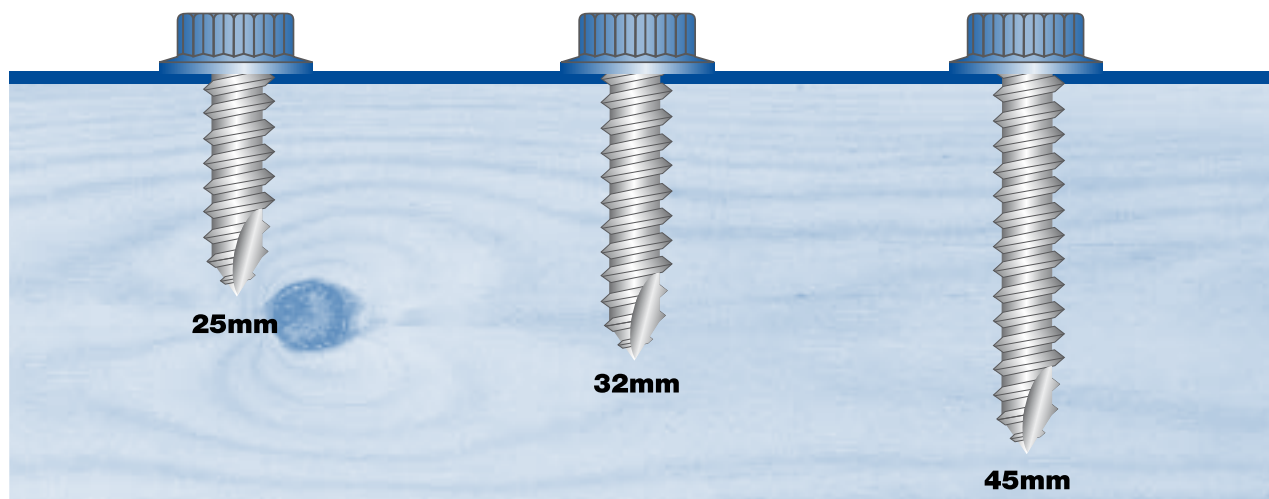
SEE PAGE 14 FOR
COLOUR REFERENCES



SHEET TO TIMBER SCREWS

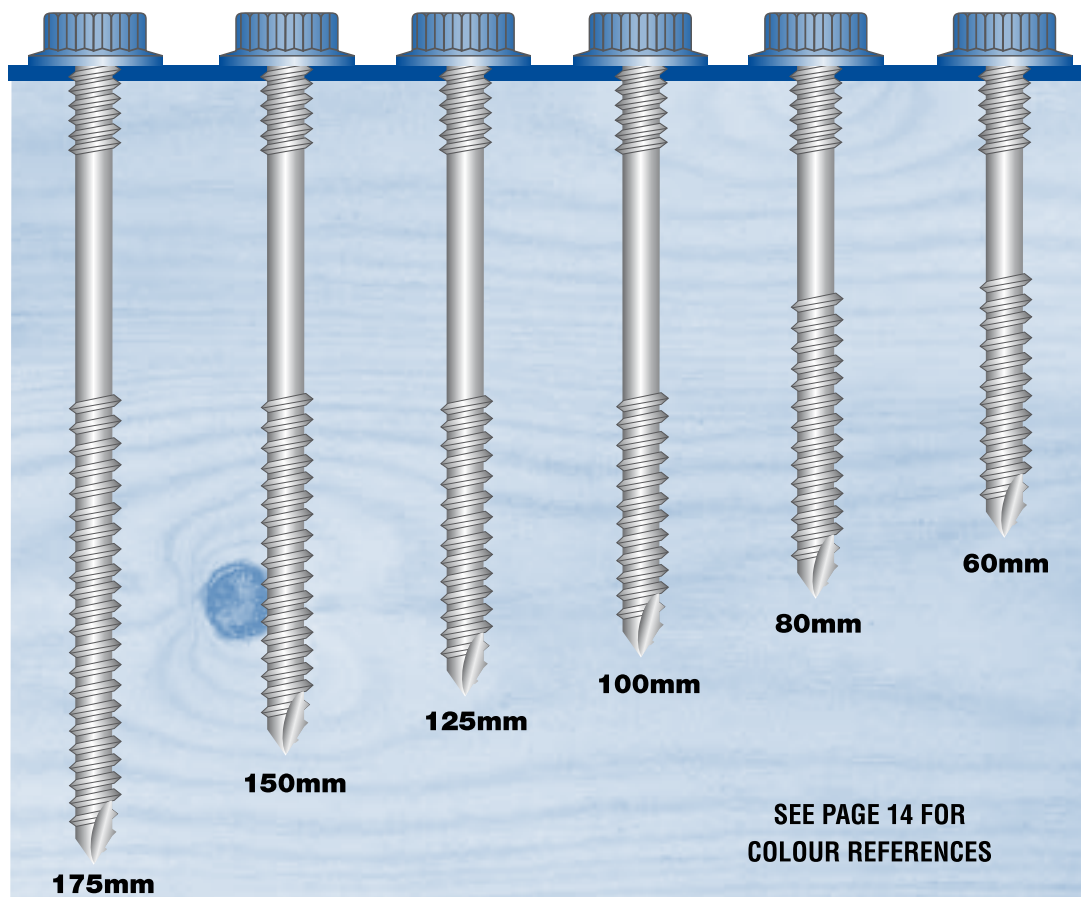
14 Gauge

CODE	PH_TF25	PH_TF32	PH_TF45
ETL	20mm	27mm	40mm



COMPOSITE PANEL TIMBER SCREWS

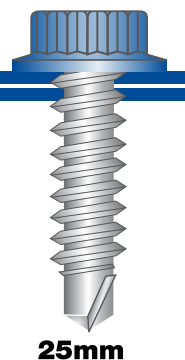
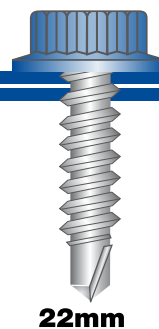
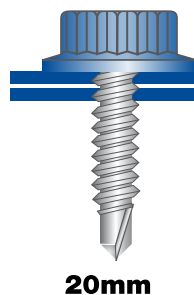
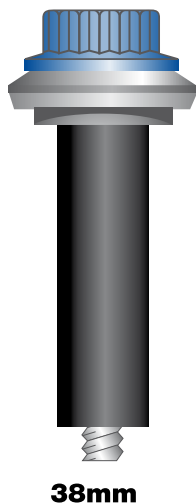
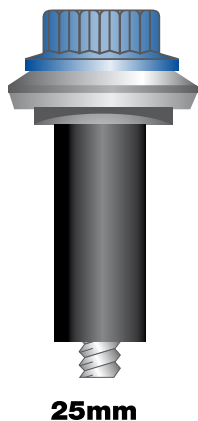
CODE	PH_TFHT175	PH_TFHT150	PH_TFHT125	PH_TFHT100	PH_TFHT80	PH_TFHT60
MIN	115mm	90mm	70mm	50mm	30mm	25mm
MAX	150mm	125mm	100mm	75mm	55mm	35mm





STITCHING SCREWS AND STITCHING PRODUCTS

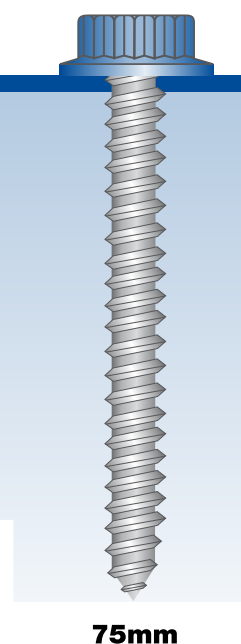
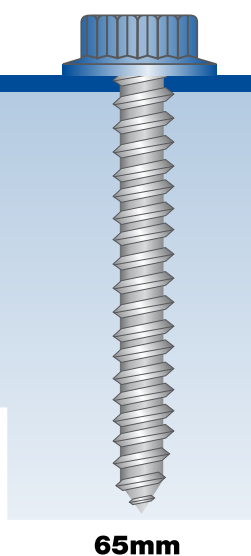
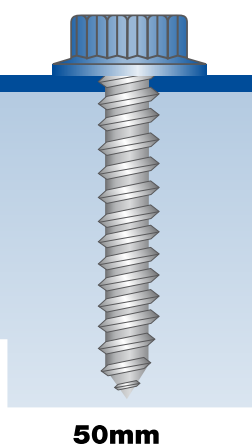
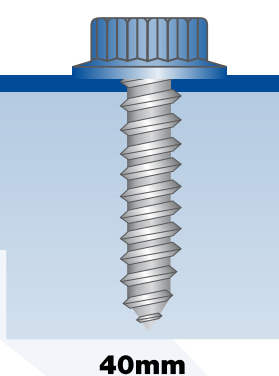
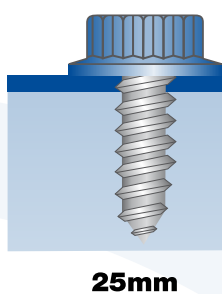
CODE	PH_LASL25	PH_LASL38	PH_LST1	PH_LST2	PH_LST3
ETL	15mm	25mm	10G	14G	16G



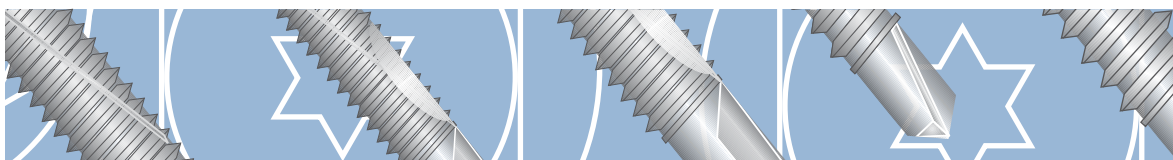
SELF TAPPING SCREWS AB POINT

14 Gauge

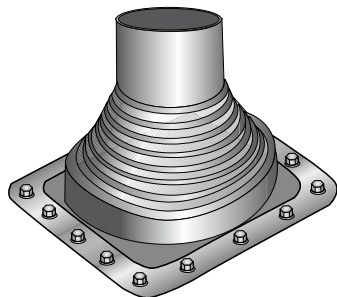
CODE	PH_ST25	PH_ST40	PH_ST50	PH_ST65	PH_ST75
ETL	20mm	35mm	45mm	60mm	70mm



SEE PAGE 14 FOR
COLOUR REFERENCES

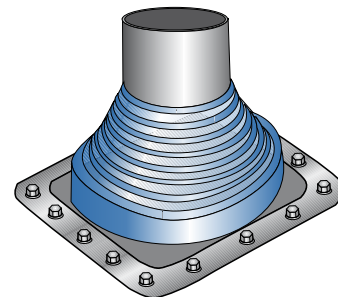


PIPE FLASHINGS



SQUARE BASE

Used on many applications, including sealing roof and wall panels around Flues, Air conditioning, dust extractors, TV aerials, conduits and support frames.



MATERIAL SPECIFICATIONS

Material	Temperature Range	Applicable Specifications
EPDM (grey)	-65c to +250c	ASTM-D D2000, M2, BA 507, C12, F17, Z1, Z2, Z3, Z4
Silicone	-100c to +450c	ASTM-D D2000, M4, GE 505, A19, B37, C12, F19, Z1, Z2, Z3

Flashing Size	2	3	4	5	6	7	8	9
Outside Pipe Diameter (mm)	10-70	40-90	75-135	125-180	145-230	195-250	275-355	315-450
Base Dimension (mm)	155 x 155	203 x 203	254 x 254	305 x 305	356 x 356	432 x 432	540 x 597	650 x 720
Overall Height (mm)	100	100	125	125	150	150	150	200

INSTALLATION PROCEDURE



1. CUT

A neat hole must be cut in the roofing sheet with minimum clearance for pipe.



2. SLIDE AND APPLY

Slide pipe flashing down over pipe, (if desired, water can be used as a lubricant). Apply a silicone sealant on underside of flange. Turning back flexible flange makes this simple.



3. PRESS

Press pipe flashing into contours of roof panel configuration, if there is a sharp angle in the panel configuration, a blunt tool can be used to press the flashing into place.



4. FASTEN

Drill and fasten flashing to surface with "Drillitt" self-tapping screws or rivets. Use a tool to press base into sharp corners of valleys while drilling: and again to insert rivet.

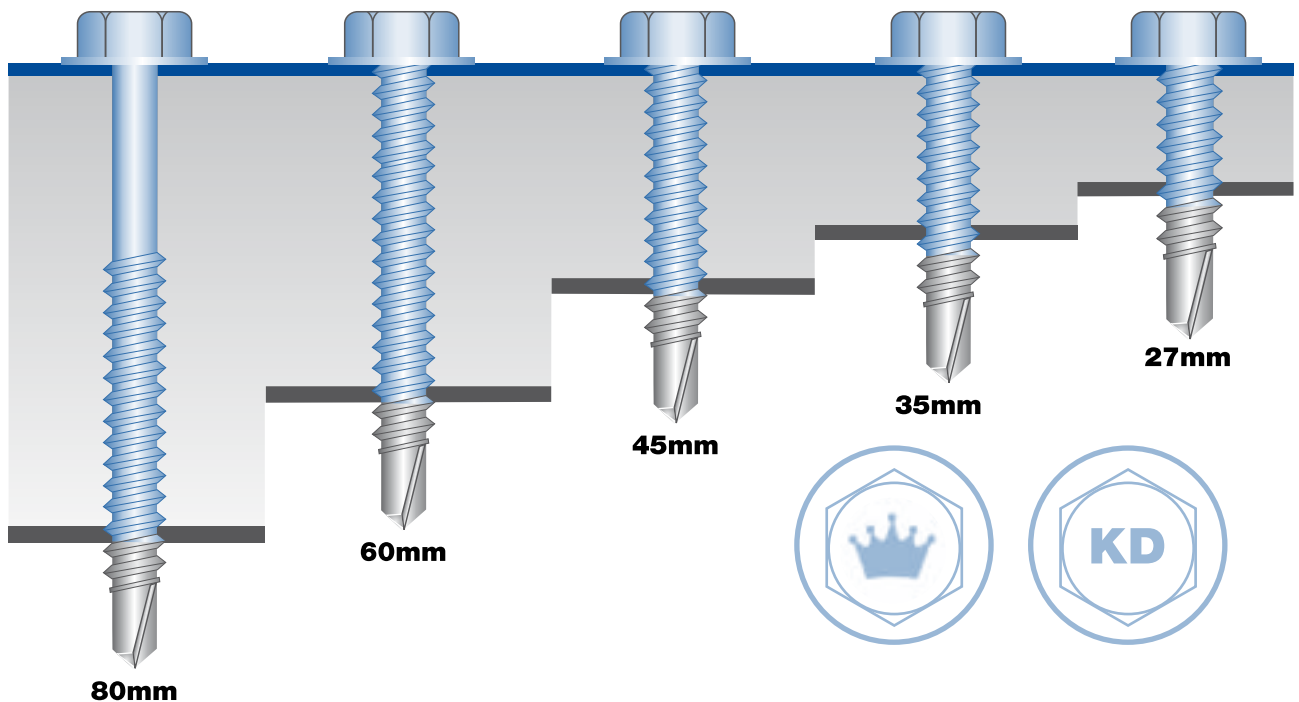


STAINLESS STEEL BI METAL HEXAGON HEAD SELF DRILLING SCREWS FOR LIGHT SECTIONS 1.5MM TO 3.5MM

12 Gauge

					
CODE	PH_LSSS80	PH_LSSS60	PH_LSSS45	PH_LSSS35	PH_LSSS27

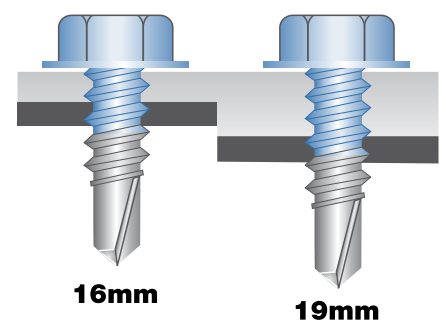
CODE	LSSS80	LSSS60	LSSS45	LSSS35	LSSS27
EststTL	60mm	41mm	26mm	16mm	10mm



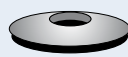
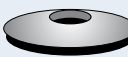
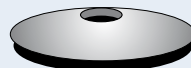
10 Gauge

		
CODE	PH_LSSS16	PH_LSSS19

CODE	LSSS16	LSSS19
EststTL	5mm	8mm










Additions for various washer combinations

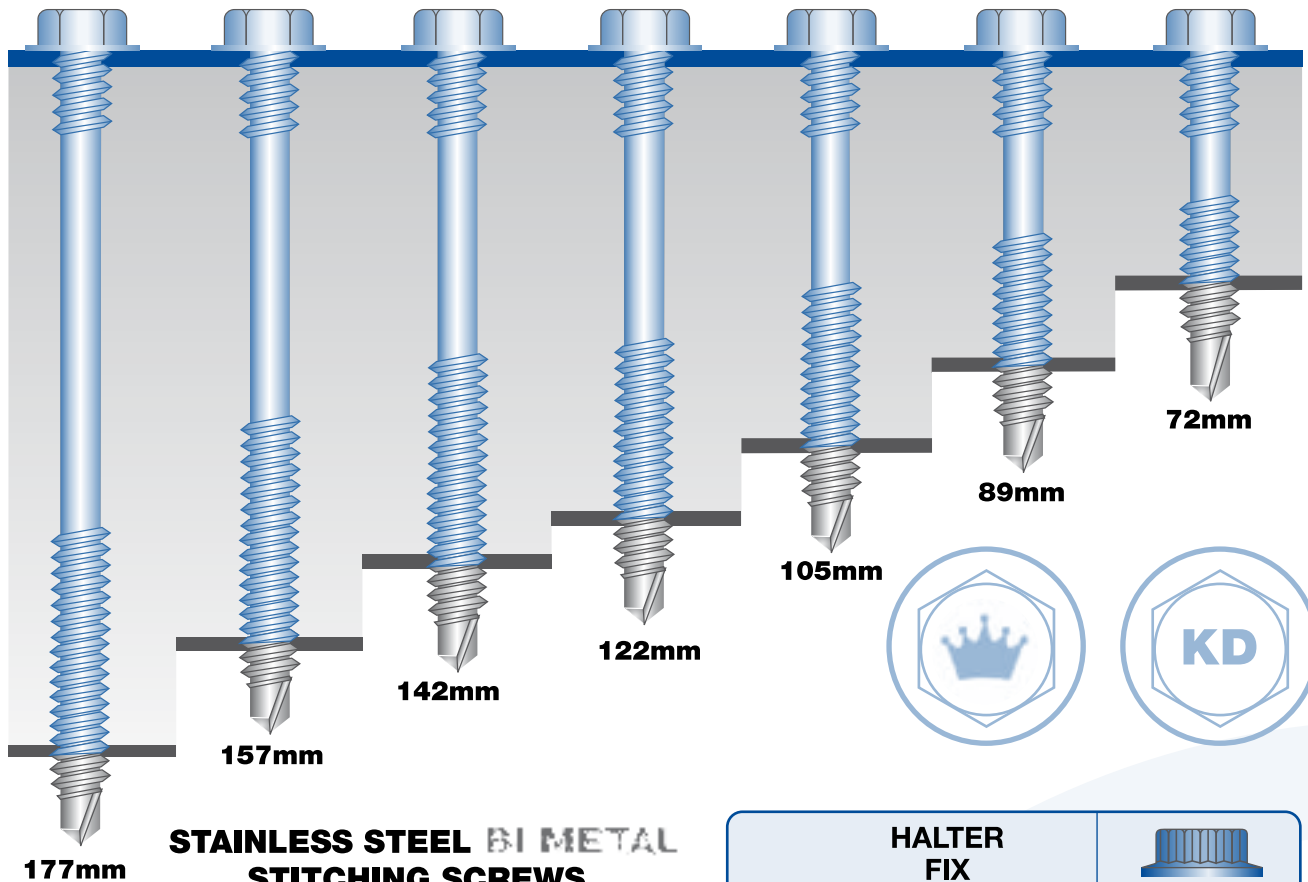
CODE	DESCRIPTION	
S16	16mm Stainless Bonded Washer 3mm Epdm backing	
S19	19mm Stainless Bonded Washer 3mm Epdm backing	
S28	28mm Stainless Bonded Washer 3mm Epdm backing	

NB - Use of washer reduces ETL by 4mm

SEE PAGE 14 FOR
COLOUR REFERENCES

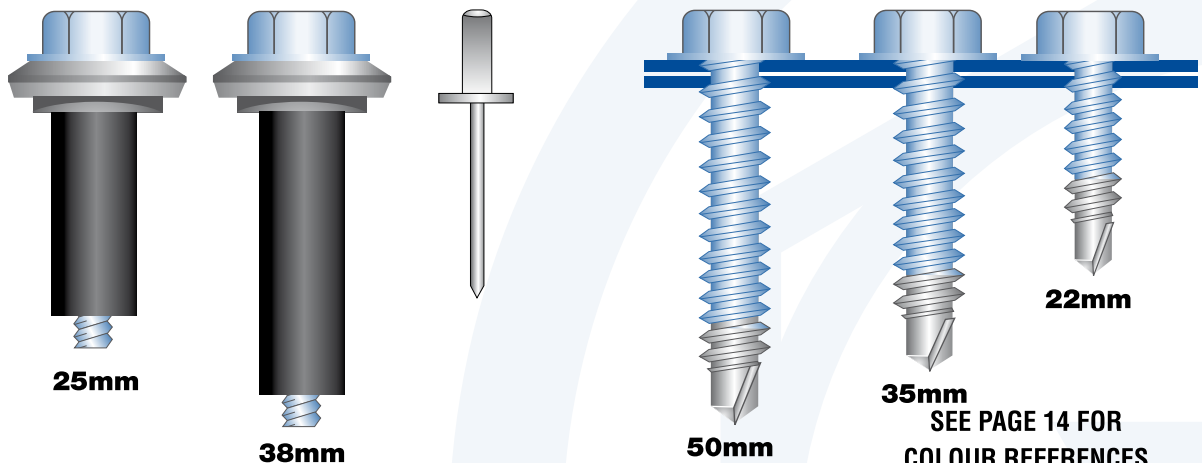

**STAINLESS STEEL BI METAL HEXAGON HEAD SELF DRILLING SCREWS
COMPOSITE PANELS LIGHT SECTION 1.5mm TO 3.5mm**
12 Gauge

							
CODE	PH_LSSSHT177	PH_LSSSHT157	PH_LSSSHT142	PH_LSSSHT122	PH_LSSSHT105	PH_LSSSHT89	PH_LSSSHT72
CODE	LSSSHT177	LSSSHT157	LSSSHT142	LSSSHT122	LSSSHT105	LSSSHT89	LSSSHT72
MIN	110mm	90mm	80mm	60mm	45mm	42mm	35mm
MAX	150mm	130mm	120mm	95mm	73mm	65mm	48mm


**STAINLESS STEEL BI METAL
STITCHING SCREWS
AND STITCHING PRODUCTS**

	HALTER FIX	
CODE		PH_LSST2

CODE	LASSSL25	LASSSL38	RIVETS	LSSST5HF	LSSST4HF	LSSST2
ETL	15mm	25mm	RABTR	14G	14G	14G



SEE PAGE 14 FOR
COLOUR REFERENCES

STAINLESS STEEL

KING

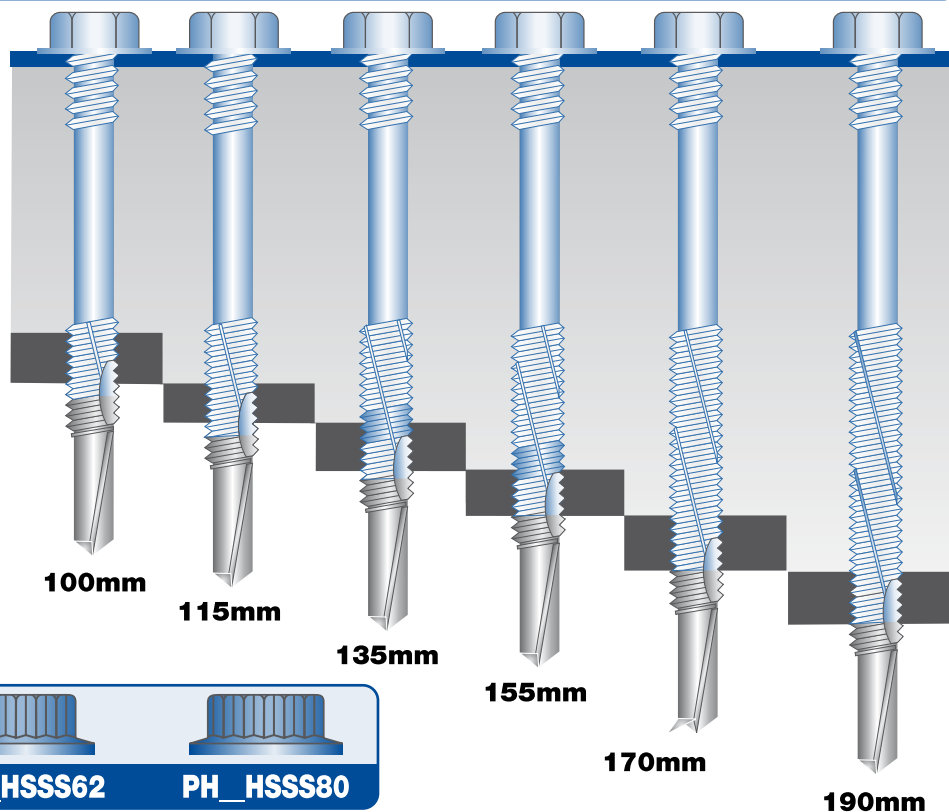
**HEXAGON HEAD
SELF DRILLING
SCREWS
COMPOSITE
PANELS HEAVY
SECTION
6.0 TO 12.5mm**

12 Gauge



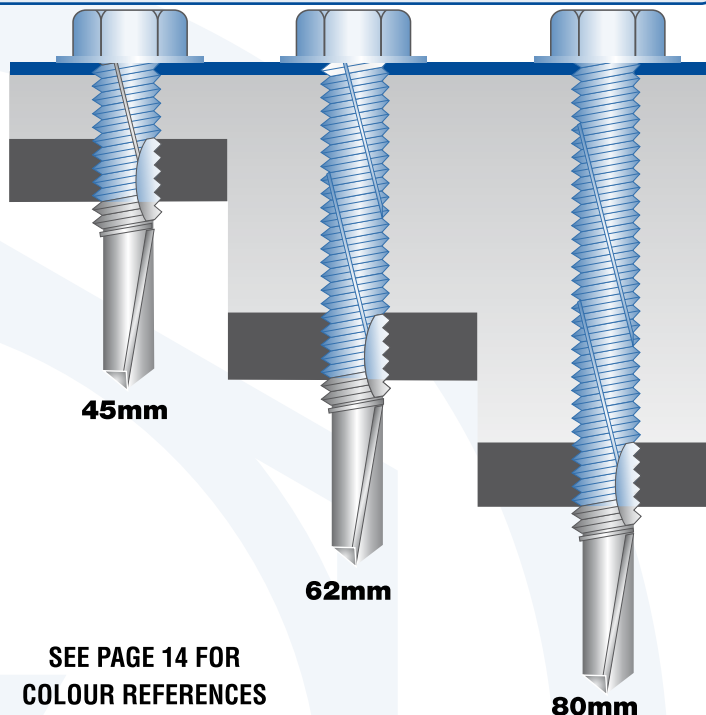
						
CODE	PH_HSSSHT100	PH_HSSSHT115	PH_HSSSHT135	PH_HSSSHT155	PH_HSSSHT170	PH_HSSSHT190

CODE	HSSSHT100	HSSSHT115	HSSSHT135	HSSSHT155	HSSSHT170	HSSSHT190
MIN	30mm	40mm	60mm	62mm	70mm	100mm
MAX	60mm	75mm	95mm	115mm	130mm	150mm



			
CODE	PH_HSSS45	PH_HSSS62	PH_HSSS80

CODE	HSSS45	HSSS62	HSSS80
EststTL	14mm	33mm	52mm






SEE PAGE 14 FOR
COLOUR REFERENCES

KING

**STAINLESS STEEL
HEXAGON HEAD SELF
DRILLING SCREWS
FOR HEAVY SECTIONS
6.0MM TO 12.5MM**




Additions for various washer combinations

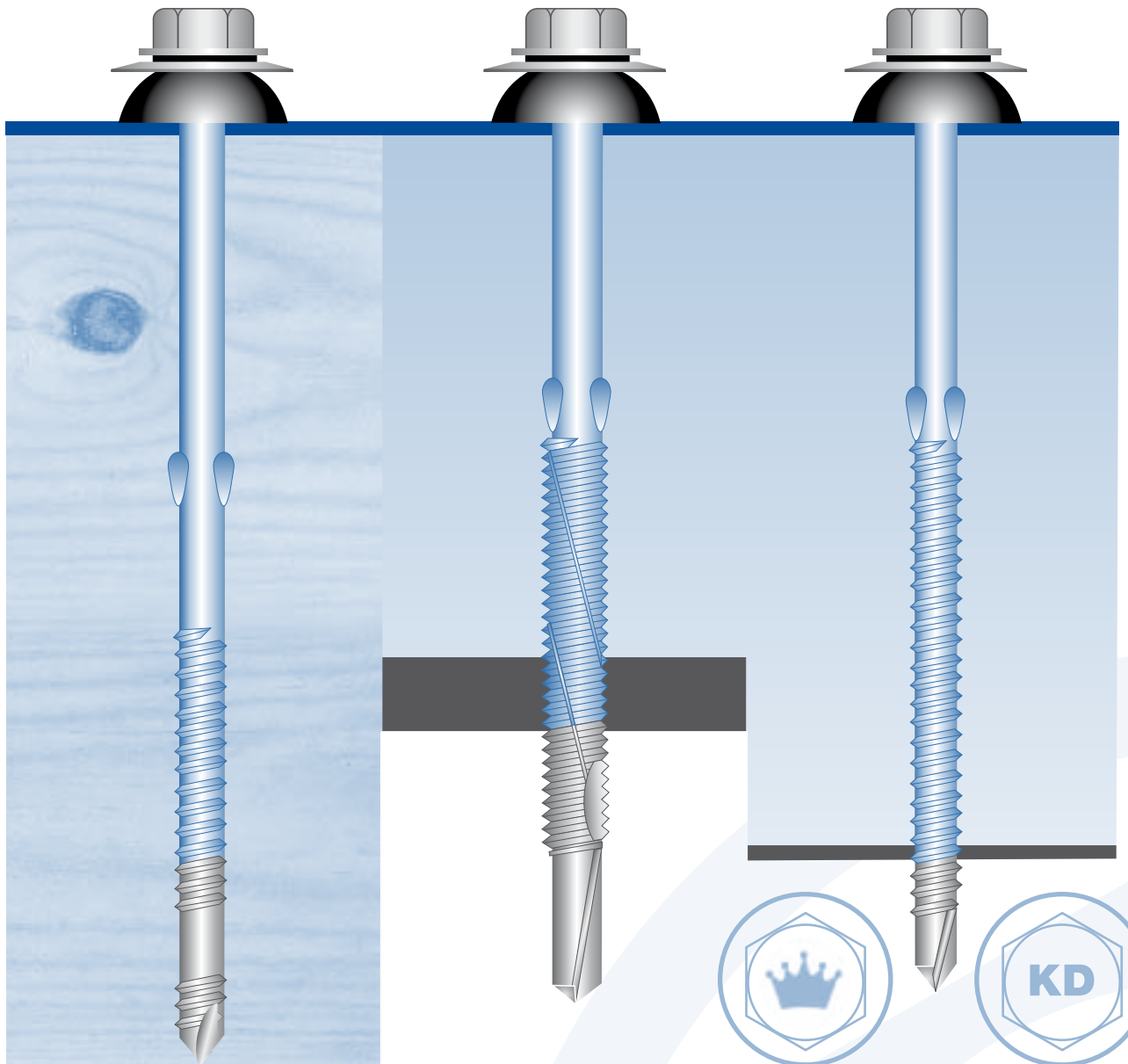
CODE	DESCRIPTION	
S16	16mm Stainless Bonded Washer 3mm Epdm backing	
S19	19mm Stainless Bonded Washer 3mm Epdm backing	
S28	28mm Stainless Bonded Washer 3mm Epdm backing	

NB - Use of washer reduces ETL by 4mm

STAINLESS STEEL BI METAL HEXAGON HEAD SELF DRILLING SCREWS FOR FIBRE CEMENT SHEETS

14 Gauge

			
CODE	PH_ACTSS_BAZ	PH_ACSS_HBAZ	PH_ACSS_BAZ
CODE	ACTSS_BAZ	ACSS_HBAZ	ACSS_BAZ
POINT	SPT	5PT	3PT



CODE	ETL
ACTSS130BAZ	80mm

CODE	ETL
ACSS130HBAZ	80mm
ACSS160HBAZ	110mm

CODE	ETL
ACSS120BAZ	80mm

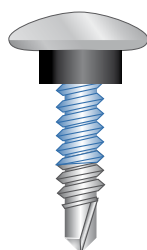


STAINLESS STEEL BI METAL

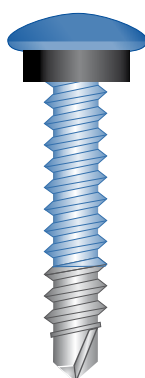
NEW
IN HOUSE
PAINTING FACILITY

PAINTED HEAD LOW PROFILE SELF DRILLING SCREWS

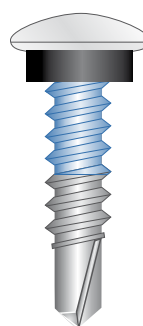
CODE	LSSST1LP__	TFSS38LP__	LSSS27LP__	HSSS45LP__
ETL	6mm	30mm	10mm	12mm
DESC.	STITCHER	TIMBER	LIGHT SECTION	HEAVY SECTION



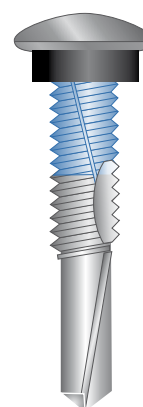
20mm



38mm



27mm



45mm

Painted head tested to the following standards

Adhesion : ISO 2409	Weather resistance (UV & Cyclincal moistening) Atlas CI - 65
Scratch Firmness : ISO 1518	
Bucholz Hardness : ISO 2815	

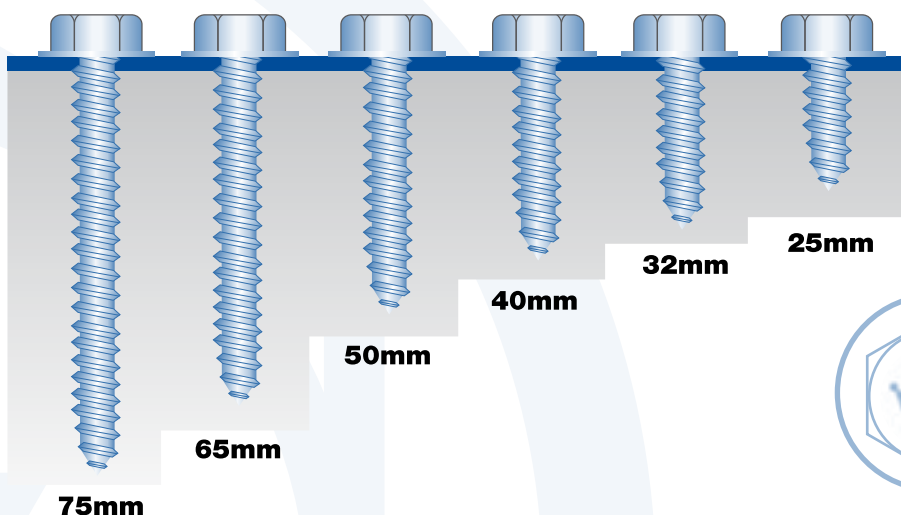
See page 14 for colour references

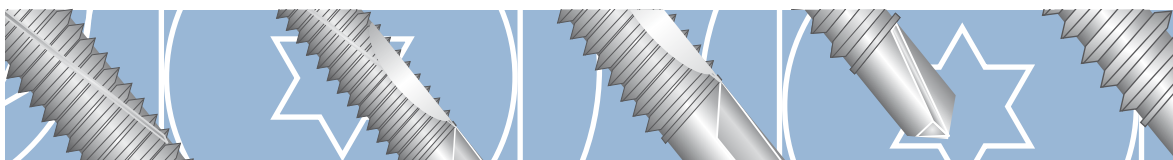


STAINLESS STEEL SELF TAPPING SCREWS

14 Gauge

	PH_STSS75	PH_STSS65	PH_STSS50	PH_STSS40	PH_STSS32	PH_STSS25
CODE	STSS75	STSS65	STSS50	STSS40	STSS32	STSS25
ETL	70mm	60mm	45mm	35mm	27mm	20mm





SILICONE SEALANTS

Vulcan Fasteners stock the highest quality accessories to complement their high quality range of fixings and fasteners. The silicone sealants we stock and supply are of guaranteed quality and manufactured in the UK.

Vulcan Fasteners stock a wide range of Butyl and Silicone sealants for all roofing and cladding purposes manufactured to the standards recommended by NFRC and MCRMA.

Should you require a particular butyl or silicone sealant not illustrated in our brochure please contact our sales department who will be pleased to recommend a suitable product.

CODE	SIZE	BOX QTY	APPLICATION	COLOUR
SESC	310ml	25	LOW MODULUS SILICONE SEALANT	CLEAR
SESW	310ml	25		WHITE
SESB	310ml	25		BLACK
SESBR	310ml	25		BROWN
SESAN	380ml	25		ANTHRACITE
SESG	310ml	25		GREY
SESAL	310ml	25	HIGH MODULUS SILICONE SEALANT	ALUMINIUM
SEBRG	380ml	25	BUTYL RUBBER BASED SEALANT	GREY
SEPSB	310ml	12	HIGH PERFORMANCE SEALANT POLYURETHANE BASED	BLACK
SEPSW	310ml	12		WHITE
SEPSG	310ml	12		GREY



BUTYL STRIP SEALANTS

Vulcan Fasteners stock only NFRC Grade 'A' approved Butyl Sealant manufactured in the UK.

GZA is a high performance strip sealant rich in Butyl and other specially selected rubbers. Recommended for use where extra strength and adhesion is required, lapping joints in steel/aluminium roofing sheets.

GRADE	SIZE	BOX QTY	APPLICATION	COLOUR
SELS93	9 x 3mm	24 x 15m reels	side lap joints	Grey
SELS915	9 x 1.5mm	20 x 15m reels	side lap joints	Grey
SELS193	19 x 3mm	14 x 15m reels	general purpose	Grey
SELS503	50 x 3mm	4 x 15m reels	gutter joints	Grey
SEL506	50 x 6mm	4 x 5m reels	gutter joints	Grey
SELSB4	4mm bead	4 x 12m reels	end laps	Grey
SELSB6	6mm bead	6 x 8m reels	end laps	Grey
SELSB8	8mm bead	8 x 6m reels	end laps	Grey
SELS65	6 x 5mm	30 x 9.6m reels	side lap joints	Grey

MICROSTRIP

A superior quality air and moisture barrier tape, developed especially for sealing lap joints on liner panels in wall and roof situations to reduce condensation and increase airtightness in industrial and commercial buildings to conform with Document L2.

GRADE	SIZE	BOX QTY	APPLICATION	COLOUR
SEPB501	50 x 1mm	4 x 35m reels	side lap joints	film:clear, strip:white

BARRIER TAPES

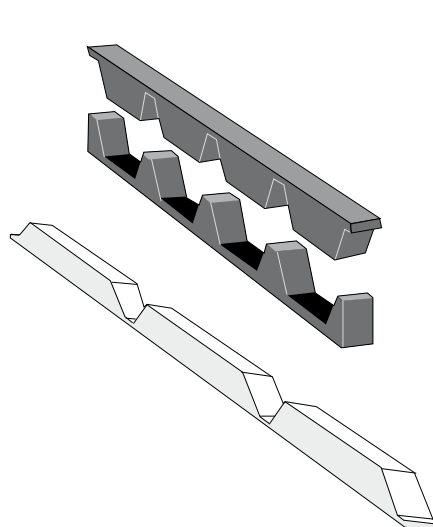
GRADE	SIZE	BOX	QTY	COLOUR	
PVC	50,75,100mm wide	36 24 18	33m	Grey/Black	
30 micron Alum. Foil	50,75,100mm wide	24 16 12	45m	Aluminium	paper backed
40 micron Alum. Foil	50,75,100mm wide	24 16 12	45m	Aluminium	self wound
metalised polypropylene	50,75,100mm wide	36 24 18	50m	Aluminium	self wound

FILLERS

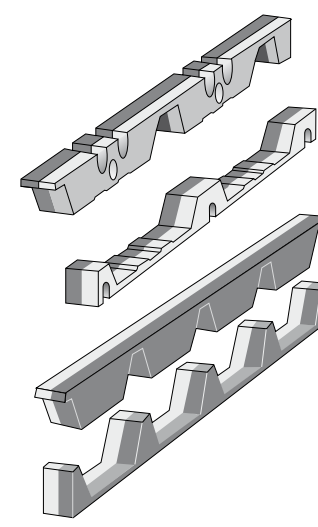
PROFILED FOAM FILLERS

TYPE	STANDARD	EPDM
Material	Fully closed cell cross linked PE	Fully closed cell EPDM
Colour	Black or White	Black or White
Density	33 kgs/m ³	100-150 kgs/m ³
Service Temp (degrees C)	minus 40 to +70	minus 70 to +100 intermittent to +100
Water absorption	0.5% 28 days	0.125% 28 days
Durability (dependent upon conditions)	15 years	20 years

EXPANDING FOAM TAPE



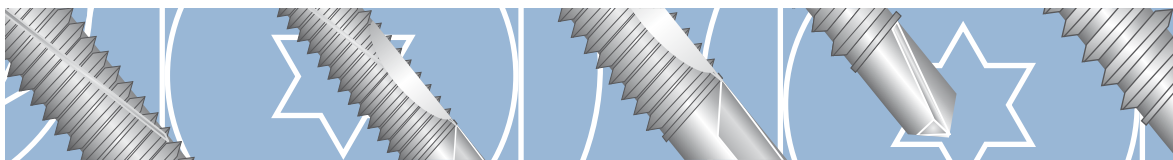
OLD SIZING	NEW SIZING JOINT SIZE mm	LENGTH m	MAXIMUM EXPANSION mm
2/10mm x 8m	1.5 - 3mm	8	1.5/9
3/15mm x 6m	3 - 6mm	6	3/18
5/25mm x 4m	5 - 9mm	4	5/27
8/40mm x 4m	6 - 12mm	4	6/36
10/50mm x 4m	8 - 16mm	4	8/48
12/60mm x 4m	10 - 20mm	4	10/60
20/100mm x 3m	16 - 32mm	3	16/96
25/125mm x 3m	27 - 54mm	3	27/162



The product must be compressed to 50% of its original thickness to achieve an air and dust seal, and to 33% of original thickness for a water seal.

Technical Information

COLOUR	GREY	BLACK
Adhesive	Acrylic	Acrylic
Density (Kg/m ³)	80	150
Elongation	140	140
Tensile Strength	120	140
UV Resistance	Poor	Excellent
Service Temperature	Minus 40degreesC to +120degreesC Intermittent +150degreesC	Minus 40degreesC to +120degreesC Intermittent +150degreesC
Thermal Conductivity	0.046	0.063
Combustion Characteristics	Compressed DIN 4102 B1 Uncompressed DIN 4102 B2	B2 Compressed DIN 4102 B1 Uncompressed DIN 4102
Expected Life	In excess of 20 years, depending upon temperature and joint design	In excess of 20 years, depending upon temperature and joint design
Shelf Life	1 year	1 year
Sealing characteristics at compression of:		
33%	Driving rain	Driving rain
25%	Driving rain	Waterproof
20%	Driving rain	200mm Head of water
16%	Driving rain	2m Head of water

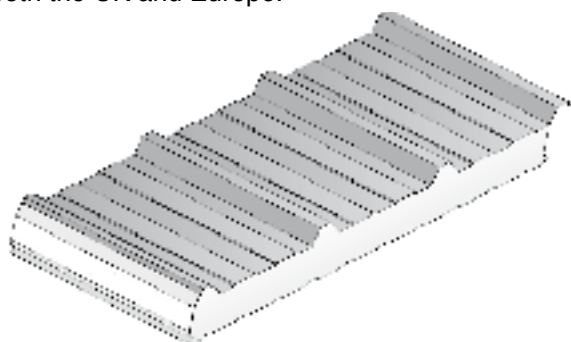


COMPOSITE PANELS, SHEETING, FLASHINGS AND OTHER PRODUCTS

Vulcan Fasteners Panels and Profiles are now one of the leading suppliers of a wide range of approved Roofing and Cladding products.

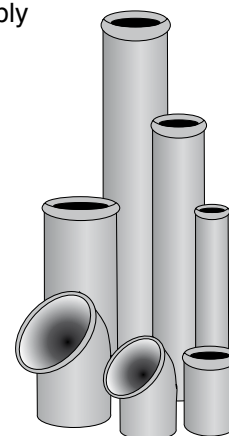
COMPOSITE PANELS

Vulcan Fasteners can supply Composite Roof and Wall Panels from all of the leading manufacturers in both the UK and Europe.



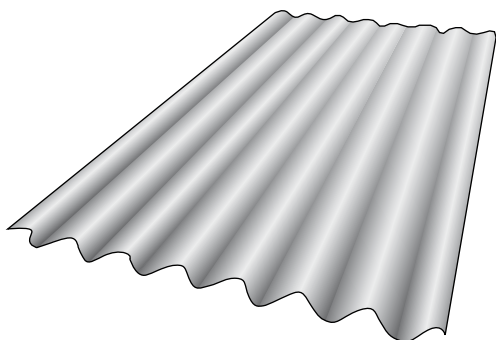
PLASTIC RAINWATER GOODS

Vulcan Fasteners can supply a wide range of Plastic Rainwater Goods.



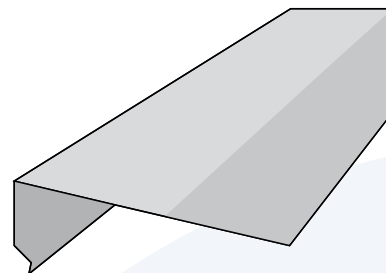
SHEETING

Vulcan Fasteners can supply all types of Roof and Wall Sheeting, Fibre Cement, Metal, Onduline and PVC.



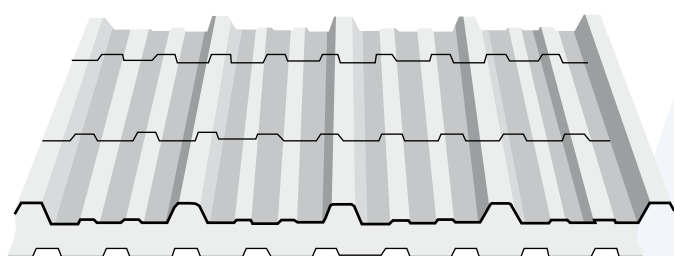
FLASHINGS

Vulcan Fasteners can supply all types of Roof and Cladding Flashings, purpose made for all requirements.



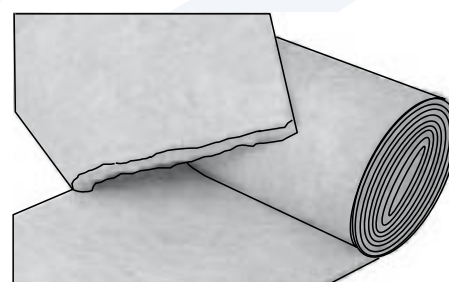
ROOFLIGHTS

Vulcan Fasteners can supply purpose made site assembled and factory assembled Rooflights.



INSULATION

Vulcan Fasteners can supply Insulation from the leading suppliers in the UK.





TECHNICAL SPECIFICATION

Mechanical Properties

Material Specification

Drillitt Screws are manufactured from high quality grade case hardened carbon steel to Din Standard 7504.

Metallurgical Properties

Surface Hardness

Drillitt Screws are manufactured with a minimum surface hardness of 560HV0.3

DRILLITT SCREW THREAD GAUGE	DEPTH OF CASE HARDENING MM	
	MIN	MAX
8g	0.1	0.23
10g	0.1	0.23
12g	0.1	0.23
14g	0.15	0.28

Core Hardness

Drillitt Screws are manufactured with a Core Hardness of between 240 and 425 HV10.

Plating

Drillitt Screws are batch tested to determine the quality of corrosion resistance by Salt Spray testing to DIN 5002155.

Drillitt Screws are plated using two processes.

1. Bright zinc plated - minimum 8 microns
2. Organic Coating - 500 hours minimum protection.

Mechanical Performance

The figures quoted are ultimate statistics independently tested in laboratory conditions. Variations may occur with different steel grades and fixing positions. There is no allowance for any safety factor.

PULL OVER TEST

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)		
		0.5mm	0.7mm	1.0mm
LS25G16	KN	2.96	5.26	7.25
LS25G19	KN	3.08	5.8	7.64

TORSIONAL TEST

SAMPLE	GAUGE	LOAD
LSCW50	10g	6.9Nm
LS25	12g	10.5Nm
TF45	14g	16.9Nm

SHEAR TEST

SAMPLE	GAUGE	LOAD KN
LSCW50	10g	6.96
LS25	12g	7.32
TF45	14g	9.68

TENSILE TEST

SAMPLE	GAUGE	LOAD KN
LSCW50	10g	10.02
LS25	12g	16.2
TF45	14g	20.92

PULL OUT TEST

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)						
		1.25	1.5	2	2.5	3	3.5	
LS25 2PT	KN	1.96	2.56	2.7	4.02	6.8	7.1	
LS25 3PT	KN	1.85	2.42	3.01	3.86	6.02	6.95	
LS25 3PT	KN	1.85	2.42	3.01	3.86	6.02	6.95	

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)						
		3.5mm	5	6	8	10	12	
HS38 5PT	KN	8.15	10.06	11.21	THREADS WILL STRIP ABOVE 6mm MATERIAL THICKNESS			

SAMPLE	GAUGE	TIMBER THICK CONSTRUCTION GRADE 50mm
TF25 SPT	KN	1.89
TF32 SPT	KN	2.09
TF45 SPT	KN	2.86

CORE HARDNESS TEST

SAMPLE	GAUGE	LOAD
LSCW50	10g	HV10KG 419
LS25	12g	HV10KG 388
HS38	14g	HV10KG 406
AC110	14g	HV10KG 264
TF45	14g	HV10KG 353

DRILLING CAPACITY

POINT TYPE	SCREW GAUGE	THICKNESS
No.2PT	10g	0.9 - 2.8mm
No.2PT	12g	0.9 - 3.5mm
No.3PT	12g	2.8 - 5.3mm
No.3PT	14g	2.8 - 5.7mm
No.4PT	12g	3.5 - 8.2mm
No.5PT	12g	6.0 - 12.5mm



PRODUCT TECHNICAL SPECIFICATION

Mechanical Properties

Material Specification

King Drillitt* Stainless Steel Bi Metal Screws are manufactured from Grade 304 Stainless Steel and high quality grade case hardened carbon steel.

Mechanical Performance

The figures quoted are ultimate statistics independently tested in laboratory conditions. Variations may occur with different steel grades and fixing positions. There is no allowance for any safety factor.

PULL OVER TEST

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)		
		0.5mm	0.7mm	1.0mm
LSSS45516	KN	6.44	6.56	8.62
LSSS45519	KN	8.62	8.88	9.16

SHEAR TEST

SAMPLE	GAUGE	LOAD KN
LSSS45	12g	10.6
STSS40	14g	10.5

PULL OUT TEST

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)					
		1.25	1.5	2	2.5	3	
LSSS45	KN	3.32	3.4	5.58	7.04	7.78	

SAMPLE	LOAD	STEEL THICKNESS (GRADE Z35)						
		3.5	5	6	8	10	12	
HSSS45	KN	10.24	10.7	10.76	THREADS WILL STRIP ABOVE 6mm			

TORSIONAL TEST

SAMPLE	GAUGE	LOAD
LSSS45	12g	12.2Nm
STSS40	14g	17Nm

TENSILE TEST

SAMPLE	GAUGE	LOAD KN
LSSS45	12g	9.08
STSS40	14g	10.74

CORE HARDNESS TEST

SAMPLE	GAUGE	LOAD
LSSS45	12g	262 HV10KG
HSSS45	12g	262 HV10KG

DRILLING CAPACITY

POINT TYPE	SCREW GAUGE	THICKNESS
No.2PT	12g	0.9 - 3.5mm
No.3PT	12g	2.8 - 5.3mm
No.5PT	12g	6.0 - 12.5mm



PRODUCT TECHNICAL SPECIFICATION

THE FIGURES QUOTED ARE FOR THE NYLON HEAD

THERMAL PROPERTIES

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE
MELTING POINT		°C	215
HEAT OF DEFLECTION TEMPERATURE			
1.85 Mpa	ISOR 1218	°C	180
0.46 Mpa	ISOR 75	°C	190

MECHANICAL PROPERTIES

PROPERTIES (DAM)	TEST METHOD	UNIT	TYPICAL VALUE
TENSILE STRENGTH	ISO R 527	Mpa	120
ULTIMATE ELONGATION	ISO R 527	%	5
FLEXURAL MODULAS	ISO R 178	Mpa	4000
FLEXURAL STRENGTH	ISO R 178	Mpa	130
FLEXURAL MODULAS	ISO R 180	KJ/m2	8

PHYSICAL PROPERTIES

PROPERTIES (DAM)	TEST METHOD	UNIT	TYPICAL VALUE
24HOUR MOISTURE ABSORPTION	ISO R 62	Mpa	1.5
SPECIFIC GRAVITY	ISOR 1183		1.25
MOULD	-	mm/mm	0.005
SHRINKAGE FLAMMABILITY	IN HOUSE	rating	94HB

SPECTRUM Nylon is UV Stabilised to ensure the colour is protected from the sun's harmful ultra violet rays.

SPECTRUM is manufactured at TFS DERBY LTD premises and quality inspection is carried out using 'FIRST OFF/LAST OFF' sampling. Samples held on file at TFS DERBY LTD.

BLUE-TAP TECHNICAL SPECIFICATION

MECHANICAL PROPERTIES - MATERIAL SPECIFICATIONS

BLUE-TAP screws are manufactured from high quality grade case hardened carbon steel to DIN Standard 7504.

METALLURGICAL PROPERTIES - SURFACE HARDNESS

BLUE-TAP screws are manufactured with a minimum surface hardness of 560 HV 0.3.

MECHANICAL PERFORMANCE - TECHNICAL DETAILS

BLUE-TAP anchors are manufactured with a unique thread design to give exceptional holding power in most masonry materials.

BLUE-TAP thread form cuts its own mating thread in the masonry material.

BLUE-TAP eliminates the need for a plastic plug therefore offering excellent fire resistant qualities.

CASE HARDNESS

BLUE-TAP screws are case hardened in accordance with the

SCREW THREAD		DEPTH OF CASE HARDENING		
GUAGE	MM			
12g	5.5	0.1	to	0.23
12g	5.5	0.1	to	0.23

EMBEDMENT

BLUE-TAP must be installed with an ideal minimum penetration on 25mm into most materials.

INSTALLATION

BLUE-TAP must be installed in conjunction with the special Blue Tap drill bit.

SAMPLE	FIXING DIAMETER		MATERIAL	LOAD KN
	MM	GUAGE		
BTH3C70	5.5	12g	3145psi hard	3.67
BTH4H45	6.3	14g	rock concrete	7.13
BTH3C70	5.5	12g	light weight	3.25
BTH4H45	6.3	14g	hollow block	6.46

PULL OUT TEST - The figures quoted are for embedment into solid material.

DEPTH	GAUGE	LOAD	Concrete	Hollow Block
25mm	12g	KN	1.52	1.02
	14g	KN	3.19	1.8
32mm	12g	KN	2.58	1.59
	14g	KN	5.49	2.73
38mm	12g	KN	3.82	2.08
	14g	KN	6.83	3.78
45mm	12g	KN	4.71	2.61
	14g	KN	8.71	4.37

TOP-CAP®

TECHNICAL SPECIFICATION

A4/316L Stainless Steel base

Austenitic, Marine grade with minimum 10% Nickel content
Annular ringed to maximise grip
(see test results)

Plasticised heads

UV stabilized (see data opposite)
Impact modified (see technical data)

UV Stability Test by

Vita Thermoplastic Compounds Ltd.

1000 hour accelerated testing (equivalent to 10 years exposure) in Northern European sunlight conditions gave a maximum Delta E value of 1.71 on all colours. Delta E values of less than 2 are not visible to the keenest naked eye and are well within the tolerance of movement on the Grey Scale.

GUARANTEE STATEMENT

TOP-CAP® will show no degradation for 10 years subject to
a) there being no adverse changes to Northern European sunlight in that time, b) installation has been carried out by a **TOP-CAP®** approved company and c) has been installed using the recommended tools and methods.

CODE No.	DESCRIPTION	INNER BOX QTY.	OUTER BOX QTY.
PN40WH	3.35x40mm 'TOP CAP' A4/316L Stainless Steel Nail	100	2500
PN50WH	3.35x50mm 'TOP CAP' A4/316L Stainless Steel Nail	100	2500
PN65WH	3.35x65mm 'TOP CAP' A4/316L Stainless Steel Nail	100	2500
PP25WH	2.1x25mm 'TOP CAP' A4/316L Stainless Steel Pin	250	12000
PP30WH	2.1x30mm 'TOP CAP' A4/316L Stainless Steel Pin	250	12000
PP40WH	2.1x40mm 'TOP CAP' A4/316L Stainless Steel Pin	250	12000
PP30	2.2x30mm 'NON CAP' A4/316L Stainless Steel Pin	250	12000

Test results from **PERMACELL FINESSE Ltd.**

Pull Out pin/nail hammered into a 19mm Titan board with the point just through.

Product Reference	Shank mm	Plastic Head mm	Metal head mm	Pull Out (Newtons)
40mm pin	2.27	6.60	3.40	205
50mm nail	3.62	11.90	7.95	310

"There is no actual standard for pin/nail pull out stipulated by the BPF or the BBA but these values I would deem acceptable"
M. Norgett - R & D Test No. MISC063

Technical information from:- CoMech Limited, Victory Road, Derby. DE24 8EL

Report Certificate 12827

Impact Test - completed using a .73kg mass with an impact area of 22mm which creates impact energy of 6.675N per metre. Therefore, dropped from 2023mm vertically "simulates a 1.5lb hammer being used by an average man this exerts energy of 13.35 Nm on the pin or nail head". Old hard wood was used for the majority of the tests where "5-10 impacts were needed" as "it replicated the most severe site conditions". Conclusion "NO heads broke during impact tests with the fasteners vertical".