



speed + endurance

KONNECT[®]
FASTENING SYSTEMS

SELF-DRILLING SCREWS

1800 KONNECT (566 632) | www.konnectfasteningsystems.com.au

TECHNICAL MANUAL

Australia’s largest specialist fastener distributor, Konnect Fastening Systems®, offers a Self-Drilling Roofing and Cladding Screw range which is manufactured to meet or exceed the specifications of Australian Standards AS3566.1-2002 (R2015) and AS3566.2-2002.

Konnect® screws, with their high performance, anti-corrosive coatings and advanced drill point features are designed to make your job easier and faster and provide your screws with maximum protection.

CONTENTS:

WHY KONNECT FASTENING SYSTEMS® K5™ COATING?	—	#
KONNECT FASTENING SYSTEMS® K5™ COATING	—————	#
KONNECT FASTENING SYSTEMS® WARRANTY	—————	#
RANGE	—————	#
PART NUMBER EXPLANATION	—————	#
TECHNICAL DATA	—————	#
COLOUR PALETTE	—————	#
UNITITE®	—————	#
T17 TIMBER	—————	#
STEELTITE®	—————	#
STITCHING SCREWS	—————	#
POLYCARBONATE SCREWS	—————	#
CHIPBOARD SCREWS	—————	#
PLASTERBOARD SCREWS	—————	#
DRIVER BITS	—————	#
ROOFING SCREW SELECTION CHART	—————	#

WHY KONNECT FASTENING SYSTEMS® K5™ COATING?

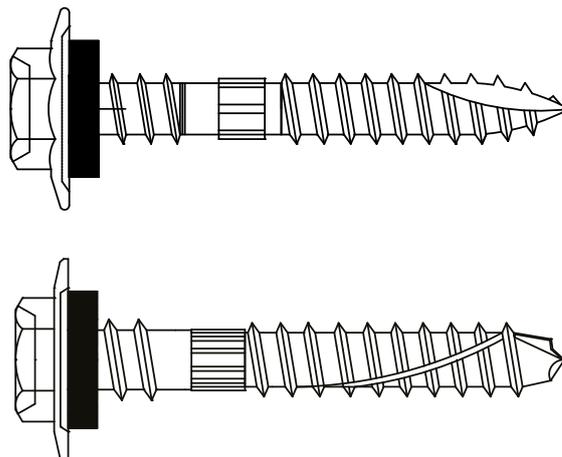
EXTREME CORROSION PROTECTION THAT HAS BEEN IN A CLASS OF ITS OWN FOR YEARS

Konnect Fastening Systems® Self drilling screws have been at the forefront of advanced coating and performance for the past 10 years in New Zealand and now offer this same industry leading technology for the Australian market.

The next time you are looking for an industry leading, premium quality fastener at a standard market price, remember the name Konnect Fastening Systems®, the new trusted name in high quality screws.

The Konnect Fastening Systems® Self Drilling screw advantage

- Class 5 (K5) coating offered at a standard market price rather than charging a premium.
- Konnect® only offer Class 4 & 5 coatings for all external roofing & cladding screws.
- We believe that you should not have to pay a premium price for the highest quality coating.
- Konnect® Screws and Coatings have proven to outperform the leading manufacturers in the Australian and New Zealand markets.
- Konnect® has been selling Class 5 coatings as standard product for the past four years into one of the harshest environments in the world, unlike our competitors that claim to lead the market in Australia by offering a Class 5 coating at a premium price.
- Leading roof manufacturers in New Zealand recommend Konnect® as their manufacturer of choice when supplying roofing screws.
- Our Colorbond® colours are supplied by one of the world's leading powder coat suppliers - Interpon®.
- Over 50 branches Nationwide to provide you with the expertise and service you have come to expect from Konnect®
- Every batch of products is tested for tolerance accuracy prior to shipping.
- We conduct extensive R & D / testing to confirm that our screws will surpass the quality standards that the industry expects. (In fact we have even tested our K5™ coating to an impressive 4800 hours in a salt spray tank).

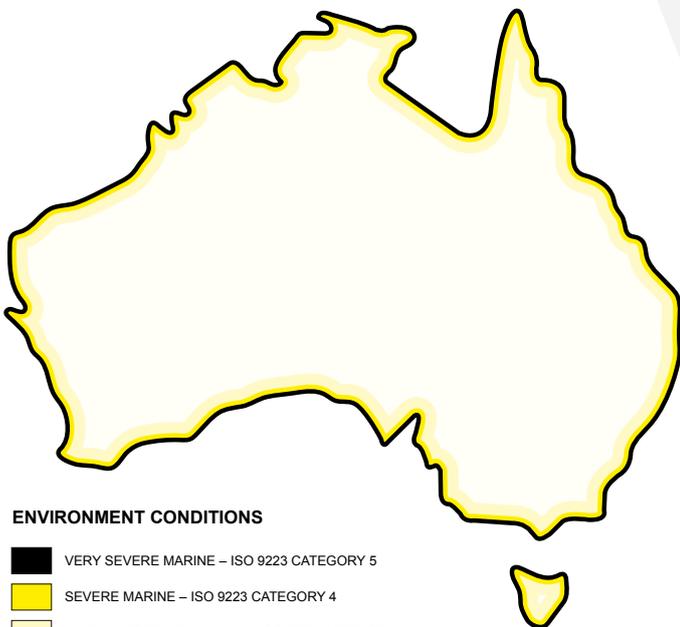


KONNECT FASTENING SYSTEMS® K5™ COATING

EXTREME CORROSION PROTECTION THAT HAS BEEN IN A CLASS OF ITS OWN FOR YEARS

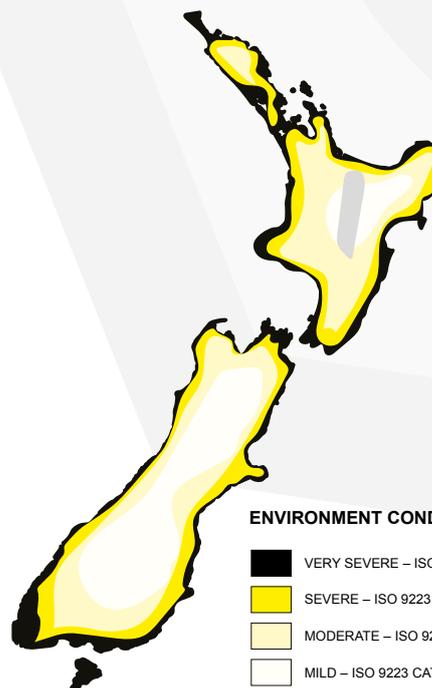
Konnect Fastening Systems® K5™ has been the benchmark for extreme protection for over four years. This coating has been developed over a long period of time to meet the requirements of the roofing and cladding industry.

- EXTREME PERFORMANCE**
 Industry leading corrosion performance for ISO Category 4 and 5 environments
- ADDITIONAL RESISTANCE**
 Twice the resistance than traditional Class 4 coatings through the addition of 2 hybrid coatings.
- WARRANTY**
 The comfort of knowing that you are covered by a leading industry warranty.
- RELIABILITY**
 The knowledge that you are buying a product that has been sold in one of the world's harshest climates for over 7 years.



ENVIRONMENT CONDITIONS

- VERY SEVERE MARINE – ISO 9223 CATEGORY 5
- SEVERE MARINE – ISO 9223 CATEGORY 4
- MILD & MODERATE MARINE – ISO 9223 CATEGORY 3
- LIGHT INDUSTRIAL URBAN – ISO 9223 CATEGORY 2



ENVIRONMENT CONDITIONS

- VERY SEVERE – ISO 9223 CATEGORY 5
- SEVERE – ISO 9223 CATEGORY 4
- MODERATE – ISO 9223 CATEGORY 3
- MILD – ISO 9223 CATEGORY 2
- SPECIAL CONDITIONS

WARRANTY

ENVIRONMENTAL CATEGORY / CONDITIONS	Konnect Fastening Systems® K4™ Warranty Period 	Konnect Fastening Systems® K5™ Warranty Period 
<p>ISO 9223 CATEGORY 5 Very Severe Marine Up to 400M from the beachfront in regions of rough seas and surf beaches.</p> <p>Very Severe Industrial Characterised by heavy fall-out and emissions from stacks and strong sulphur.</p>	<p>NOT RECOMMENDED</p>	<p>10 YEARS</p>
<p>ISO 9223 CATEGORY 4 Severe Marine Between 400M and 1KM from the coast, in areas with the extent dependant on winds, wave actions and topography. Also within 150M from a salt water inlet or creek.</p> <p>Severe Industrial Characterised by fall-out and emissions from stacks and sulphur. Within a 2KM radius of Industrial plants, sewerage treatment facilities or airports</p>	<p>12 YEARS</p>	<p>25 YEARS</p>
	<p>20 YEARS</p>	
<p>ISO 9223 CATEGORY 3 MARINE Coastal areas with lower salinity, generally between 1KM and 50KM from marine surf but prevailing strong winds may extend this zone further inland. Airborne salt is present but not as a haze.</p>	<p>20 YEARS</p>	<p>30 YEARS</p>
<p>ISO 9223 CATEGORY 3 INDUSTRIAL Temperate zone, atmospheric environment with medium pollution (SO₂ 5µg/m³ to 30µg/m³) or some effect of chloride, e.g. urban areas, coastal areas with low deposition of chlorides.</p>	<p>25 YEARS</p>	<p>35 YEARS</p>
<p>ISO 9223 CATEGORY 2 LIGHT INDUSTRIAL / URBAN Temperate zone, atmospheric environment with low pollution (SO₂<5µg/m³) e.g. rural areas, small towns, dry or cold zone, atmospheric environment with short time of wetness, e.g. deserts, subarctic areas.</p>	<p>30 YEARS</p>	<p>40 YEARS</p>
<p>ISO 9223 CATEGORY 2 MILD URBAN Away from all above environments, generally dry, rural areas well remote from the coast or sources of pollution.</p>	<p>40 YEARS</p>	<p>40 YEARS</p>

KONNECT FASTENING SYSTEMS® WARRANTY

UNITITE® T17 TIMBER STEELTITE®

Konnect Fastening Systems®, a business division of Coventry Group Ltd. warrants their K4™ and K5™ plated T17 Timber, Steeltite® and Unitite® range of roofing and cladding screws against the loss of structural integrity due to the effects of corrosion or metallurgical defects.

Under this warranty Coventry Group Ltd. undertakes to supply equivalent screws at no cost, to replace any defective screws provided that:

1. The screws are used with compatible roofing and substrate materials.
2. The screws have been installed correctly.
3. The screws are installed in an environment suitable for these Roofing Screws (refer attachment).
4. The screws must not have been tampered with or re-used after initial installation.
5. Screws must be head marked with the K4™ or K5™ head mark.

The use of Impact-Type Guns is not recommended and may void the warranty if the head of the screws is damaged during installation.

Any claim must be notified in writing and is conditional upon inspection by an authorised Konnect Fastening Systems® representative before any action is taken. The decision of the Konnect Fastening Systems® inspector is conclusive of the type of environment of the structure.

This warranty is not transferable from the original owner.

No representative of Coventry Group Ltd. has the authority to make any representations or promises except as stated in this warranty.

Coventry Group Ltd. shall not be liable in any way whatsoever for any indirect or consequential damage, personal liability or other damage including but not limited to loss or loss of profit.

This warranty covers the structural performance of the screws from the date of installation. Not the aesthetic performance of the coatings.

This warranty is effective from 1 July 2016

Konnect Fastening Systems®, a Division of Coventry Group Ltd. ACN 008 670 102

Product Type	Part Number Designation	Point	Suitable for Drilling Into	Recommended Drill Speed
STEELTITE®	ST		Steel	2500rpm
T17 TIMBER	TT		Timber or thin sheetmetal	1800rpm
UNITITE®	UT		Timber, steel purlins or metal battens	Timber 1800rpm Steel 2500rpm

OUR PART NUMBERING EXPLAINED:

UT6-14X55CL5NSM / 500

UT6-14X55CL5NSM / 500 = Product type

UT6-14X55CL5NSM / 500 = The gauge. Unitites are measured in mm not gauge. i.e. 6 = 6mm; 12 = 12 gauge.

UT6-14X55CL5NSM / 500 = Designate the thread pitch. A finer TPI (Threads per Inch) count is suitable for thicker steels and allows the screw to drive in easier with less force – not only is this easier on the operator, but can prevent damaging the drive or stalling the screw driver.

UT6-14X55CL5NSM / 500 = Designate the length.

UT6-14X55CL5NSM / 500 = CLx is our plating specification. CL4 meets Australian Standard AS3566.2 Class 4. CL5 is our K5™ plating – a step up from standard Class 4; it has 2 additional hybrid topcoats providing an impressive 2500 hours plus corrosion protection. (Accelerated Salt Spray Test). The only product in the Australian market to offer this level of coating at a standard market price.

UT6-14X55CL5NSM / 500 = Neoprene washers are shown by an N.

UT6-14X55CL5NSM / 500 = Designates the colour for Colorbond® colour matching (see colour chart for availability)

UT6-14X55CL5NSM / 500 = Designates the pack size. All new product ranges will be sold ONLY in pack sizes of 500 or 100.

DRILL CAPACITY

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

RECOMMENDED SCREW DRILLING CAPACITY INTO STEEL													
Screw Gauge - TPI (Threads per inch)	Steel Thickness												
	0.55 (mm) Batten	0.75 (mm) Batten	1 (mm) Steel	1.2 (mm) Steel	1.5 (mm) Steel	1.9 (mm) Steel	2.5 (mm) Steel	3 (mm) Steel	3.5 (mm) Steel	5 (mm) Steel	6 (mm) Steel	8 (mm) Steel	12 (mm) Steel
M6 - 14 UNITITE®	X	X	X	X	X	X	X	X	X	X			
6G - 20 TPI		X	X	X	X	X	X						
8G - 18 TPI		X	X	X	X	X	X						
10G - 16 TPI		X	X	X	X	X	X	X	X				
10G - 24 TPI				X	X	X	X	X	X	X			
12G - 14 TPI			X	X	X	X	X	X	X	X			
12G - 24 TPI				X	X	X	X	X	X	X			
12G - 24 TPI No. 5 Drill Point Deep Drill								X	X	X	X	X	X
14G - 10 TPI			X	X	X	X	X	X	X	X			
14G - 14 TPI			X	X	X	X	X	X	X	X			
14G - 20 TPI				X	X	X	X	X	X	X	X		

DRILL SPEED TESTING

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

DRILLING SPEED TEST						
ITEM	POINT LENGTH	POINT DIAMETRE	LOAD (kg)	DRILL SPEED (rpm)	PLATE THICKNESS (mm)	DRILL TIME (Sec)
8G POINT NO. 2	4.00 - 5.00mm	3.35 - 3.50mm	20	1800	2.00	3.0
8G POINT NO. 3	5.00 - 6.00mm	3.35 - 3.50mm	20	1800	2.00	3.0
10G POINT NO. 2	5.00 - 6.00mm	3.85 - 3.95mm	20	1800	2.00	3.5
10G POINT NO. 3	6.00 - 7.00mm	3.85 - 3.95mm	20	1800	2.00	3.5
12G POINT NO. 2	6.00 - 7.00mm	4.45 - 4.60mm	22	1800	3.00	4.0
12G POINT NO. 3	7.00 - 8.00mm	4.45 - 4.60mm	22	1800	3.00	4.0
12G POINT NO. 4	8.00 - 9.00mm	4.45 - 4.60mm	22	1800	3.00	4.0
12G POINT NO. 5	14.00 - 15.00mm	4.45 - 4.60mm	Manual Test	Manual Test	8.00 - 12.00	Manual Test
14G POINT NO. 2	7.00 - 8.00mm	5.45 - 5.60mm	24	1800	4.00	5.0
14G POINT NO. 3	8.00 - 9.00mm	5.45 - 5.60mm	24	1800	4.00	5.0
14G POINT NO. 4	11.00 - 12.00mm	5.45 - 5.60mm	24	1800	4.00	5.0
14G POINT NO. 5	14.00 - 15.00mm	5.45 - 5.60mm	Manual Test	Manual Test	8.00 - 12.00	Manual Test

NOTE: Drilling Time - based on drilling point through steel plate.

PULLOUT VALUE TESTING

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

PULLOUT VALUES (NEWTONS) - METAL DRILLING									
Screw Gauge - TPI (Threads per inch)	Steel Thickness								
	0.55 (mm) Batten	0.75 (mm) Batten	1 (mm) Steel	1.2 (mm) Steel	1.5 (mm) Steel	1.9 (mm) Steel	6 (mm) Steel	8 (mm) Steel	12 (mm) Steel
M6 - 14 UNITITE®	1600	2560	3360	5320	6020	/	/	/	/
10G - 16 TPI STEELTITE®	/	1940	2400	4280	5580	7900	/	/	/
10G - 24 TPI STEELTITE®	/	/	2400	4360	5900	7760	/	/	/
12G - 14 TPI STEELTITE® Screw Length 20mm or Shorter	/	/	2280	4160	5500	7440	/	/	/
12G - 14 TPI STEELTITE® Screw Length 20mm or Longer	/	/	2060	3120	5240	7040	/	/	/
12G - 24 TPI STEELTITE®	/	/	/	/	/	7860	/	/	/
12G - 24 TPI STEELTITE® No. 5 Drill Point	/	/	/	/	/	6340	/	/	/
14G - 10 TPI STEELTITE®	/	/	2680	4760	6580	8180	/	/	/
14G - 20 TPI STEELTITE®	/	/	2480	4280	5580	7780	19940	/	/

PULLOUT VALUES (KILO NEWTONS)

TIMBER DRILLING

PULLOUT VALUE (NEWTONS) - TIMBER DRILLING								
ITEM	0.55 (mm) Batten	0.75 (mm) Batten	1.2 (mm) Steel	1.5 (mm) Steel	1.9 (mm) Steel	F7 Pine Timber	F17 Hard Wood	Ultra Hard Timber
8G POINT NO. 2	/	/	/	/	/	4380	6680	6960
8G POINT NO. 3	/	/	/	/	/	5780	6100	/
10G POINT NO. 2	/	/	/	/	/	4000	6580	/
10G POINT NO. 3	/	/	/	/	/	3920	7060	/

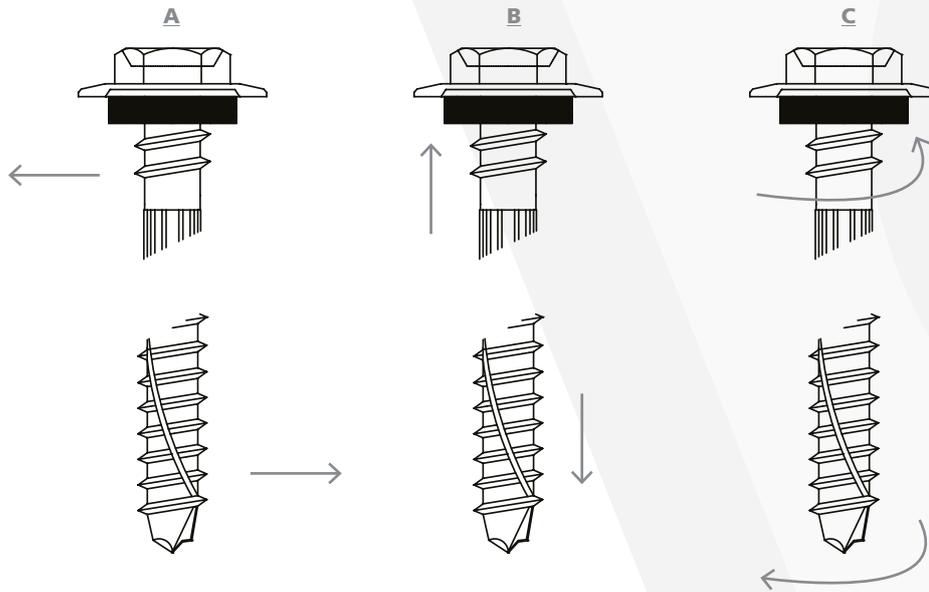
NOTE: Appropriate safety factors should be applied for design purposes.
 All values are averages obtained under laboratory conditions
 These figures apply **ONLY** to **KONNECT FASTENING SYSTEMS®** branded products.

MECHANICAL STRENGTH

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

MECHANICAL STRENGTH PROPERTIES			
SCREW GAUGE TPI	SINGLE SHEAR STRENGTH (N)	AXIAL TENSILE STRENGTH (N)	TORSIONAL STRENGTH (NM)
M6 - 14 UNITITE®	8500	15400	14.8
10G - 16	6800	11900	8.8
10G - 24	6200	11400	9.1
12G - 11	8400	13900	13.8
12G - 14	8800	15300	13.8
12G - 24	9000	16700	14.1
14G - 10	10900	19700	19.4
14G - 14	10900	19700	19.2
14G - 20	11200	21200	22.6

NOTE: Appropriate safety factors should be applied for design purposes.
 All values are averages obtained under laboratory conditions
 These figures apply **ONLY** to **KONNECT FASTENING SYSTEMS®** branded products.



A: Single Shear Strength (N)

The shear load required to break the screw

B: Axial Tensile Strength (N)

The tensile load required to break the screw

C: Torsional Strength (Nm)

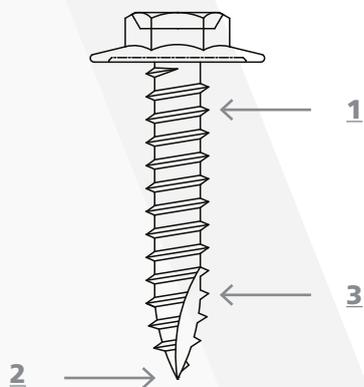
The torque required to break the screw

TYPE 17 KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

MINIMUM EMBEDMENT INTO TIMBER

The minimum amount of embedment that must be screwed into timber is extremely important in order to achieve the required pull out loads from timber. The pull out load will also vary according to the grade of timber (soft - F5 to hardwood - F17)

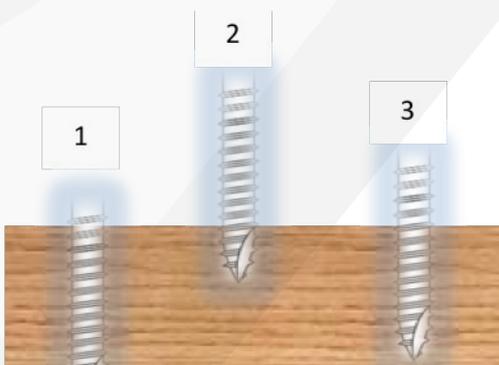
GAUGE	MINIMUM EMBEDMENT	EXCEPTIONS
6G - 18 TPI	16mm	
8G - 15 TPI	16mm	
10G - 12 TPI	25mm	10G x 25mm = 23mm
12G - 11 TPI	30mm	12G x 25mm = 23mm
14G - 10 TPI	35mm	14G x 25mm = 23mm



- 1.** The thread on a Type 17 screw is designed for constant clamping load.
- 2.** The drill point is designed to be extremely sharp thus enabling the screw to easily drill into a variety of timbers.
- 3.** The slotted end point is designed to distribute even cutting pressure in the open cell structure of the timber. This allows for stability when drilling, eliminating timber expansion and minimising splintering.

Embedment

- 1. Too Much**
- 2. Too Little**
- 3. Correct Embedment**



The minimum amount of embedment that must be screwed into the timber is extremely important in order to achieve the required pull out loads from the timber.

The Pull Out load will vary depending on the grade of timber.

AS3566.1-2002 specifies that Withdrawal Tests be carried out from F5 seasonal radiata pine with a maximum moisture content of 15% and a minimum density of 380kg/M3, determined in accordance with AS1649 and AS1080.1, respectively. Penetration depth shall be 24/26mm for No.10 screws; 29/31mm for 12 g screws; 34/36mm for No.14 g screws

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS

COLOUR CHART

Konnect Fastening Systems® are proud to offer a range of popular COLORBOND® roofing colours to compliment our already popular plain screws.

Konnect® have decided to use one of the World's leading powder coat manufacturers, Interpon® to supply the market a superior aesthetic coating which performs to the same levels as the roofing material.

Contact your local Konnect® branch for pricing and availability.



BASALT™
SA = 0.69 — BCA = D

CLASSIC CREAM™
SA = 0.32 — BCA = L

COTTAGE GREEN®
SA = 0.75 — BCA = D

DEEP OCEAN™
SA = 0.75 — BCA = D

DUNE®
SA = 0.47 — BCA = M



EVENING HAZE®
SA = 0.43 — BCA = M

GULLY™
SA = 0.63 — BCA = D

IRONSTONE®
SA = 0.74 — BCA = D

JASPER®
SA = 0.68 — BCA = D

MANOR RED®
SA = 0.69 — BCA = D



MONUMENT®
SA = 0.73 — BCA = D

NIGHT SKY®
SA = 0.96 — BCA = D

PALE EUCALYPT®
SA = 0.60 — BCA = M

PAPERBARK®
SA = 0.42 — BCA = M

SHALE GREY™
SA = 0.43 — BCA = M



SURFMIST®
SA = 0.32 — BCA = L

WALLABY™
SA = 0.64 — BCA = D

WINDSPRAY®
SA = 0.58 — BCA = M

WOODLAND GREY®
SA = 0.71 — BCA = D

SA = Solar Absorptance. The classification of colours in the BCA is based on solar absorptance, which is the inverse of solar reflectance, expressed as a ratio between 0 and 1. A SA value of 0 indicates that a roof absorbs none and a value of 1 indicates that a roof absorbs 100% of the incoming solar radiation. Solar absorptance value is not applicable for COLORBOND® Stainless steel. See the individual colour swatches for the SA value for each product and colour.

BCA = The Building Code of Australia (BCA) has classified roof colour on the basis of their solar absorptance, referred herein as Light (L < 0.40), Medium (M < 0.60), Dark (D > 0.60). BCA classification is correct at the time of printing but may be subject to change.

COLORBOND®, BlueScope and ® colour names are registered trade marks of BlueScope Steel Limited. ™ Colour names are trade marks of BlueScope Steel Limited.

DRILLING CAPACITY

SCREW GAUGE	TPI	DRILLING CAPACITY (MAX) mm
10 (4.8mm)	16	3.5
10 (4.8mm)	24	4.0
12 (5.5mm)	14	4.5
12 (5.5mm)	24	4.5
14 (6.3mm)	10	3.0
14 (6.3mm)	20	6.3
LONGDRILLER		
12 (5.5mm)	24	12.0

SCREW GAUGE SIZES

GAUGE	SIZE	
	inch	mm
0	0.060	1.5
1	0.073	1.9
2	0.086	2.2
3	0.099	2.5
4	0.112	2.8
5	0.125	3.2
6	0.138	3.5
7	0.151	3.8
8	0.164	4.2
9	0.177	4.5
10	0.190	4.8
12	0.216	5.5
14	0.242	6.3
16	0.268	6.8
18	0.294	7.5
20	0.320	8.1
24	0.372	9.4

At Konnect Fastening Systems® we pride ourselves on understanding what you need to get that roofing job completed. That's why we stock a full range of products to suit your needs – just another way we're making your job easier.

If you're in the roofing game then Konnect Fastening Systems® has a full range of professional products to suit your needs and the specialist advice to back them up. The list below will help to ensure you have everything you need.

- Screws
- Weatherseal Nails
- Screw Guns (battery or electric)
- Hammers
- Battery powered drill/drivers
- Magnetic sockets – all sizes
- Extension leads
- Metal profile and embossed washers
- EPDM washers
- Roof Flashing and Pipe Spacing
- Rivets
- Fastener touch-up and spray paints
- Silicones, adhesives and polyurethanes
- Caulking guns
- Hand riveters
- Drill bits
- Snips – left, right, straight
- Electric nibblers and shears
- Leather pouches and aprons
- Knives
- Measuring tapes
- Rulers
- Chalk lines
- Safety wear
- Gloves
- Grab stick

KONNECT FASTENING SYSTEMS® SELF-DRILLING SCREWS



MECHANICAL PROPERTIES:

UNITITE® Performance Data

For conforming to AS3566.1-2002

TECHNICAL REQUIREMENTS		
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH
		M6 - 14
Axial Withdrawal Force	kN	2.8
Axial Tensile Strength	kN	15.0
Minimum Torque for Torsional Strength	Nm	10.9
Drilling & Threading Capacity	mm	5.0

NOTE:

- AS3566.1-2002 specifies that Withdrawal Tests be carried out from F5 seasonal radiata pine with a maximum moisture content of 15% and a minimum density of 380kg/M3, determined in accordance with AS1649 and AS1080.1, respectively. Penetration depth shall be 24/256mm for No.10 screws; 29/31mm for 12 g screws; 34/36mm for No.14 g screws
- All hexagon washer headed screws shall be able to penetrate steel of 0.42mm thickness made from steel grade G550 to AS1397
- AS3566.1-2002 specifies that Withdrawal Tests be carried out from 1.6mm thick zinc coated steel, Type G450-Z275 in accordance with AS1397

ACTUAL DATA		
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH
		M6 - 14
Axial Withdrawal Force	kN	4.32
Single Shear Load	kN	11.85
Axial Tensile Strength Timber	kN	24.87
Axial Tensile Strength Steel	kN	21.54

NOTE:

- Values quoted are the average of all tests. All samples exceed the minimum requirements specified in AS3566.1-2002
- AS3566.1-2002 does not specify the values of single shear load. Values shown are for loading through the shank and are provided information

UNITITE®

K5™ COATING

- 45 Microns of Mechanical galvanising
- 70% Zinc - 30% Tin mix
- Minimum Porosity rating of 8
- 2 Hybrid top coatings

HEADMARKING

'K5™' indicates 'K' Konnect Fastening Systems® branding & K5™ coating



NEOPRENE SEAL

- Manufactured from 100% E.P.D.M
- Non Conductive
- Low Carbon

HIGRASP

Allows roofing sheets to be pulled tight against the neo resulting in waterproof seal

SHANK CUTTERS

- Oversize's pilot hole through roof sheeting
- De-burs "pig tails" created when drilling on an angle
- Cuts a clean hole through roofing sheet

REVERSE THREAD ON SHANK

Counter-rotating thread relieves thread forming stress when drilling through steel

No. 2 VIPER POINT

- No skidding or sliding on roofing sheets
- Instant start even on Corrugated profile
- Drill up to 5mm steel
- Perfect drill point width for holding into Timber

SWARF

Swarf break feature



HEX DRIVE SOCKET INCH

5/16"

5/16"

SIZE

M6-14X55

M6-14X65

PART NUMBER

UT6-14X55CLSN

UT6-14X65CLSN

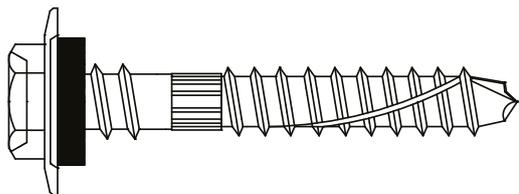
MAX DRILL SPEED

Timber 1800rpm

Steel 2500rpm

UNITITE® SCREW

UNITITE® HEX HEAD WITH CLEARANCE RIB & NEO SEAL



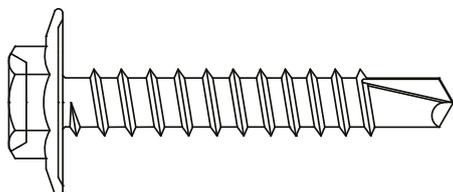
A multi-purpose fastener that is suitable for fixing roofing and cladding to timber, steel purlins and metal battens.

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
UT6-14X25CL5N	M6	14	25	5/16"	5
UT6-14X35CL5N	M6	14	35	5/16"	5
UT6-14X55CL5N	M6	14	55	5/16"	5
UT6-14X65CL5N	M6	14	65	5/16"	5



BATTEN SCREW

HEX HEAD NO SEAL



A multi-purpose fastener that is suitable for fixing lightweight metal battens to timber trusses and steel purlins.

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
ST12-11X40CL3	12	11	40	5/16"	3



AVAILABLE IN COLOURED HEADS

ALL PART NUMBERS HIGHLIGHTED YELLOW WILL BE AVAILABLE MID 2017

6-14 UNITITE® SCREWS

PART NUMBER	DESCRIPTION	PACK / QTY	OUTER BOX
UT6-14X25CL5N	6-14 x 25mm Class 5 Unitite® w/Seal	500	1500
UT6-14X35CL5N	6-14 x 35mm Class 5 Unitite® w/Seal	500	1500
UT6-14X55CL5N	6-14 x 55mm Class 5 Unitite® w/Seal	100 / 500	600 / 1500
UT6-14X65CL5N	6-14 x 65mm Class 5 Unitite® w/Seal	100 / 500	600 / 1500

Application:

Konnect Fastening Systems® 25 & 35mm M6-14 Unitites® are designed for installing / fixing via valley fixing of roof sheets and side / wall cladding to Top Hat or timber battens . Can also be used for fixing Top Hat metal and timber battens to steel or timber trusses.

Konnect Fastening Systems® 55 & 65mm M6-14 Unitites® are designed for installing / fixing via crest fixing of roof sheets to Top Hat or timber battens. Can be used as an alternative from traditional self drilling metal screws for fixing to steel purlins in both residential and commercial applications.

Drill Capacity:

Top Hat Batten 0.55 - 0.75mm | Timber Batten - Pine or Hardwood | Steel Purlin 1.00 - 5.00 mm

Installation Instructions :

1. Use a 5/16" Hexagon Nut Driver / Setter (Konnect Fastening Systems® Part Number - KCNS51665 - 65mm long)
2. Use a mains powered or cordless screw driver with a maximum output of 3000 RPM.
3. Fit the Hexagon Nut Driver / Setter over the Hexagon Head of the screw and place at the desired fastening position
4. Apply a consistent firm amount of pressure (end load) to the screw driver until the screw has drilled and fastened into the material.

Material: Carbon Steel SAE 1022 | **Heat Treatment:** To AS3566.1 - 2002 (R2015) | **Finish:** K5™ Coating only

Mechanical Properties:

Single Shear Strength (N) 8500 | Axial Tensile Strength (N) 15,400 | Torsional Strength (Nm) 14.8

Pull Out Values:

G550 0.55mm Batten 1,600 | G550 0.75mm Batten 2,560 | G450 1.2mm Stud 3,360 | G450 1.5mm Purlin 5,320 | G450 1.9mm Purlin 6,020
* F5 (Pine) Timber 4,300 | F17 (Hardwood) 6,570

All values are averages in Newtons that have been obtained under strict laboratory conditions. Appropriate safety factors should be applied for design purposes.

All these figures listed above are ONLY for Konnect Fastening Systems® Head Marked Product.

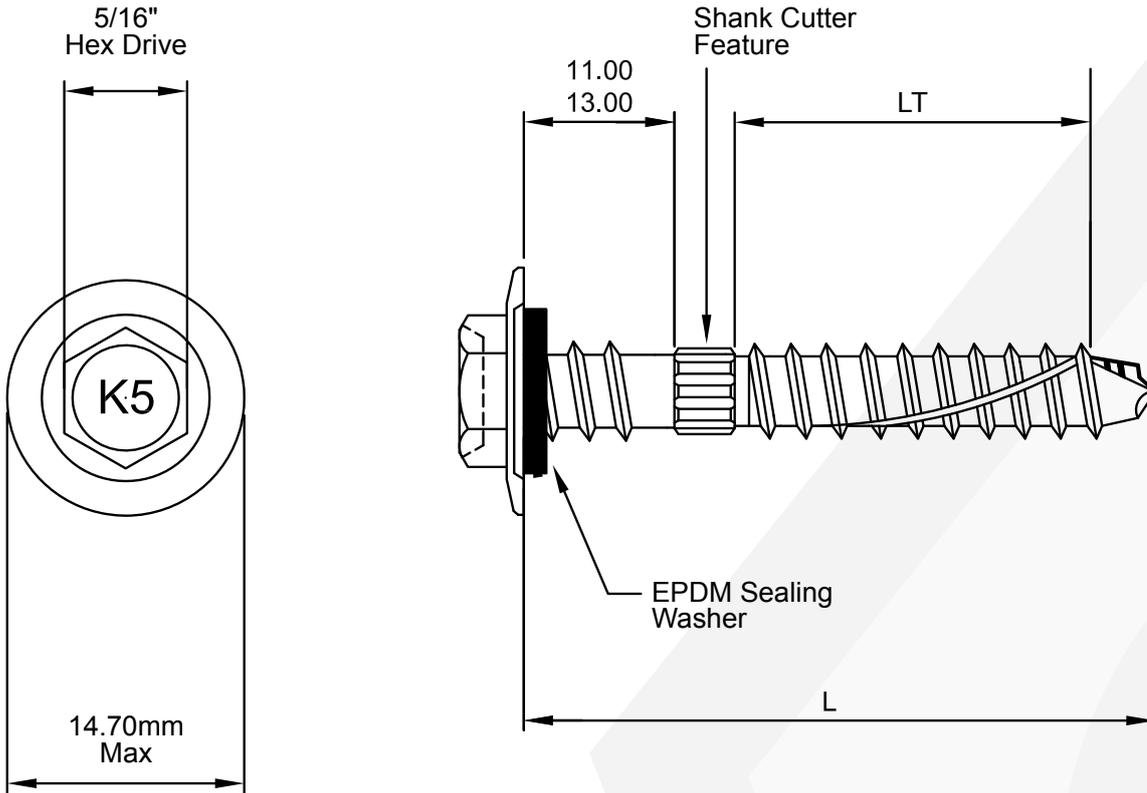
* Timber values are at 34/36 mm embedment in accordance with AS3566.1 2002 (R2015)

Corrosion Performance:

Konnect Fastening Systems® Unitites™ with K5™ coating complies to Australian Standard AS3566.2 2002. K5™ Coated product is suitable for all ISO Categories up to and including Category 5.

PRODUCT TECHNICAL DATA SHEET

6-4 UNITITE® SCREWS



PART NUMBER	L	LT
UT6-14X55CL5N	54.00 / 55.00	34.00 / 36.00
UT6-14X65CL5N	64.00 / 65.00	44.00 / 46.00

T17 TIMBER

MECHANICAL PROPERTIES:

TYPE 17 TIMBER Performance Data

For Type 17 screws for timber conforming to AS3566.1-2002

TECHNICAL REQUIREMENTS				
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH		
		10/12	12/11	14/10
Axial Withdrawal Force	kN min	2.50	2.80	3.10
Axial Tensile Strength	kN min	7.50	11.30	15.00
Minimum Torque for Torsional Strength	Nm min	5.40	9.40	14.10

NOTE:

- AS3566.1-2002 specifies that Withdrawal Tests be carried out from F5 seasonal radiata pine with a maximum moisture content of 15% and a minimum density of 380kg/M³, determined in accordance with AS1649 and AS1080.1, respectively. Penetration depth shall be 24/256mm for No.10 screws; 29/31mm for 12 g screws; 34/36mm for No.14 g screws
- All hexagon washer headed screws shall be able to penetrate steel of 0.42mm thickness made from steel grade G550 to AS1397

ACTUAL DATA				
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH		
		10/12	12/11	14/10
Axial Withdrawal Force	kN	5.06	5.74	7.33
Axial Tensile Strength	kN	12.53	16.19	24.87
Single Shear Load	kN	8.01	9.17	14.56

NOTE:

- Values quoted are the average of all tests. All samples exceed the minimum requirements specified in AS3566.1-2002
- AS3566.1-2002 does not specify the values of single shear load. Values shown are for loading through the shank and are provided information

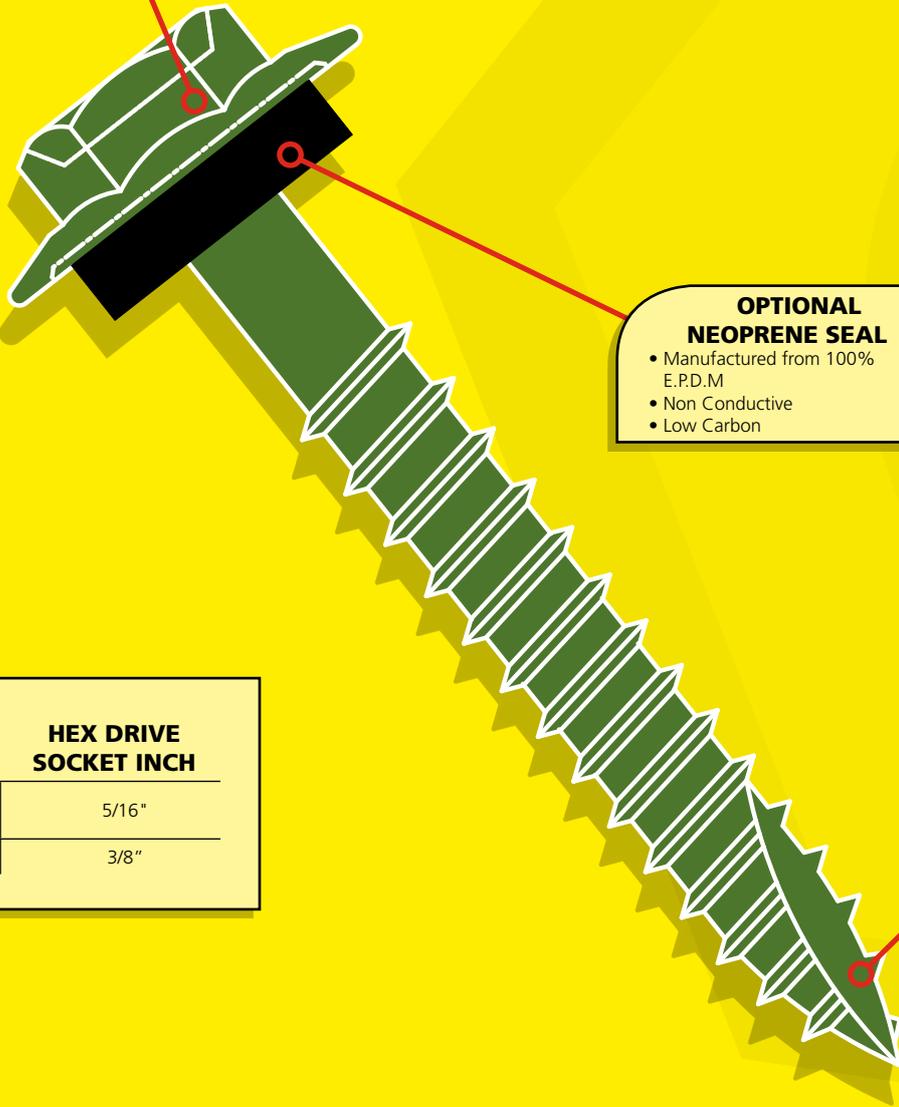
T17 TIMBER

K5™ COATING

- 45 Microns of Mechanical galvanising
- 70% Zinc - 30% Tin mix
- Minimum Porosity rating of 8
- 2 Hybrid top coatings

HEADMARKING

'K5™' indicates 'K' Konnect Fastening Systems® branding & K5™ coating



OPTIONAL NEOPRENE SEAL

- Manufactured from 100% E.P.D.M
- Non Conductive
- Low Carbon

HEX DRIVE SOCKET INCH

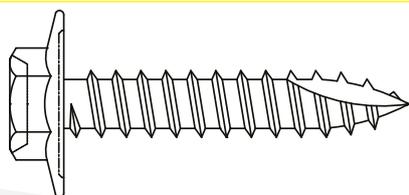
10-12	5/16"
12-11	
14-10	3/8"

T17 POINT FOR TIMBER

MAX DRILL SPEED

1800rpm

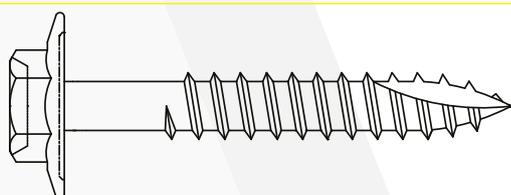
T17 TIMBER SCREWS



**T17 TIMBER HEX HEAD
FULL THREAD NO SEAL**

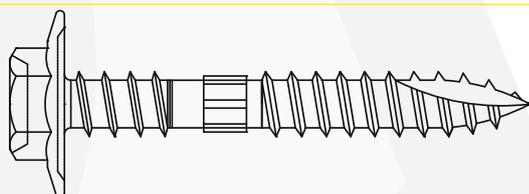
PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT10-12X25CL5*	10	12	25	5/16"	5
TT12-11X25CL5	12	11	25	5/16"	5
TT14-10X25CL5	14	10	25	3/8"	5

* Also has No 2 Phillips Drive in Head



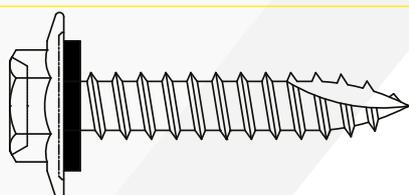
**T17 TIMBER HEX HEAD
PART THREAD NO SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT12-11X55CL5	12	11	55	5/16"	5
TT14-10X50CL5	14	10	50	3/8"	5
TT14-10X65CL5	14	10	65	3/8"	5



**T17 TIMBER HEX HEAD
W/ HIGRASP NO SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT12-11X50CL5HG	12	11	50	5/16"	5

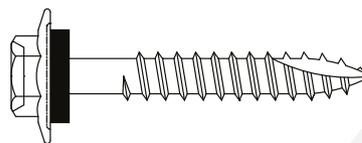


**T17 TIMBER HEX HEAD
FULL THREAD W/ NEO SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT10-12X25CL5N	10	12	25	5/16"	5
TT12-11X25CL5N	12	11	25	5/16"	5
TT12-11X40CL5N	12	11	40	5/16"	5
TT14-10X25CL5N	14	10	25	5/16"	5

T17 TIMBER SCREWS

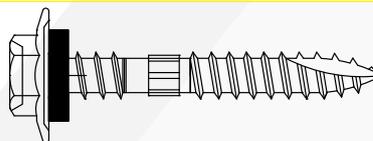
**T17 TIMBER HEX HEAD
FULL THREAD W/ NEO SEAL**



PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT12-11X55CL5N	12	11	55	5/16"	5
TT12-11X65CL5N	12	11	65	5/16"	5
TT14-10X50CL5N*	14	10	50	3/8"	5
TT14-10X65CL5N	14	10	65	3/8"	5
TT14-10X75CL5N	14	10	75	3/8"	5
TT14-10X90CL5N	14	10	90	3/8"	5

* Also has HiGrasp feature and clearance rib.

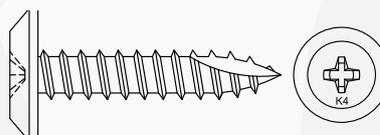
**T17 TIMBER HEX HEAD
W/ HIGRASP & NEO SEAL**



PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT12-11X50CL5HGN	12	11	50	5/16"	5
TT12-11X65CL5HGN	12	11	65	5/16"	5

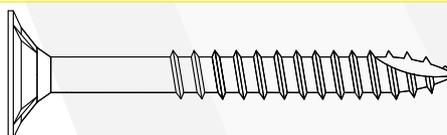


**T17 TIMBER WAFER HEAD
PHILLIPS DRIVE**



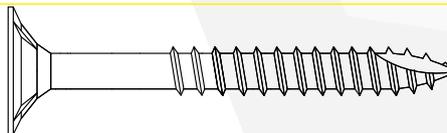
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
TT10-12X25CL4WA	10	12	25	NO. 2	4
TT10-12X45CL4WA	10	12	45	NO. 2	4

**T17 TIMBER
BUGLE BATTEN CLASS 4**



PART NUMBER	GAUGE	TPI	LENGTH (mm)	INTERNAL HEX DRIVE	CLASS
TT14-10X50CL4BB	14	10	50	5mm	4
TT14-10X75CL4BB	14	10	75	5mm	4
TT14-10X100CL4BB	14	10	100	5mm	4
TT14-10X125CL4BB	14	10	125	5mm	4
TT14-10X150CL4BB	14	10	150	5mm	4

**T17 TIMBER BUGLE BATTEN
STAINLESS STEEL 304 / 316**



PART NUMBER	GAUGE	TPI	LENGTH (mm)	INTERNAL HEX DRIVE	CLASS
TT14-10X50G304BB	14	10	50	5mm	304
TT14-10X75G304BB	14	10	75	5mm	304
TT14-10X100G304BB	14	10	100	5mm	304



AVAILABLE IN COLOURED HEADS

ALL PART NUMBERS HIGHLIGHTED YELLOW WILL BE AVAILABLE MID 2017

12-1 TYPE 17 TIMBER HIGRASP

PART NUMBER	DESCRIPTION	PACK / QTY	OUTER BOX
TT12-11X50CL5HGN	12-11 x 50mm Class 5 Type 17 Timber HiGrasp with Seal	100 / 500	600 / 1500
TT12-11X65CL5HGN	12-11 x 65mm Class 5 Type 17 Timber HiGrasp with Seal	100 / 500	600 / 1500

Application:

Konnect Fastening Systems® 12-11 Hew Washer HiGrasp Type 17 Screws are designed for installing / fixing via the crest of roof sheets to Top Hat or timber battens.

Drill Capacity:

Top Hat Batten 0.55 - 0.75mm | Timber Batten - Pine or Hardwood

Features:

Hex Drive

HiGrasp Top Thread

Shank Cutters

Finish / Coatings

Advantages:

A positive drive under high installation torque

Stops the sheet from moving when the roof is walked on

Protects the shank and protective coating from damage during installation

K5™ Corrosion Performance Class 5 - ISO 9223 Category 5

Installation Instructions :

1. Use a 5/16" Hexagon Nut Driver / Setter (Konnect® Part Number - KCNS51665 - 65mm long)
2. Use a mains powered or cordless screw driver with a recommended drill speed of 1800 RPM.
3. Fit the Hexagon Nut Driver / Setter over the Hexagon Head of the screw and place at the desired fastening position
4. Apply a consistent firm amount of pressure (end load) to the screw driver until the screw has drilled and fastened into the material.

Material: Carbon Steel SAE 1022 | **Heat Treatment:** To AS3566.1 - 2002 (R2015) | **Finish:** K5™ Coating only

Mechanical Properties:

Single Shear Strength (N) 8500 | Axial Tensile Strength (N) 15,400 | Torsional Strength (Nm) 14.8

Pull Out Values:

G550 0.55mm Batten 1,600 | G550 0.75mm Batten 2,500

* F5 (Pine) Timber 4,300 | F17 (Hardwood) 6,570

All values are averages in Newtons that have been obtained under strict laboratory conditions. Appropriate safety factors should be applied for design purposes.

All these figures listed above are ONLY for Konnect® Head Marked Product.

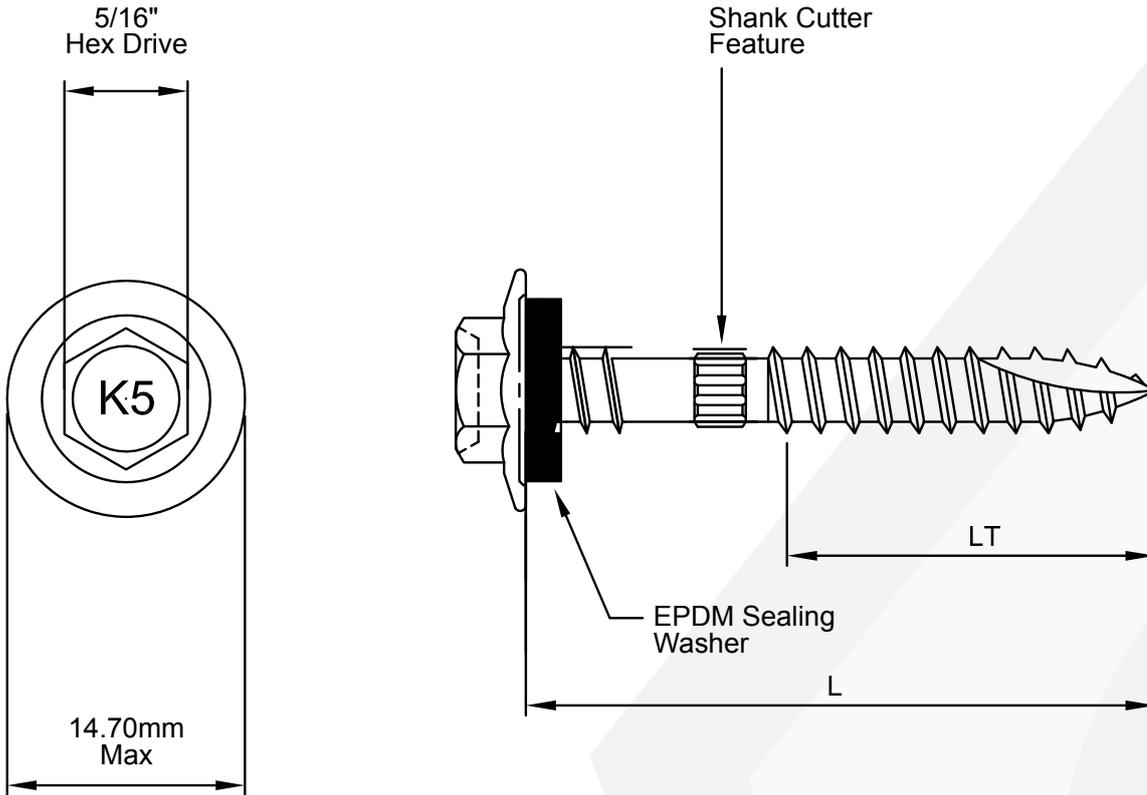
* Timber values are at 34/36 mm embedment in accordance with AS3566.1 2002 (R2015)

Corrosion Performance:

Konnect Fastening Systems® Unitites™ with K5™ coating complies to Australian Standard AS3566.2 2002. K5™ Coated product is suitable for all ISO Categories up to and including Category 5.

PRODUCT TECHNICAL DATA SHEET

12-11 TYPE 17 TIMBER HIGRASP



PART NUMBER	L	LT
TT12-11X50CL5HGT17N	48.50 / 50.00	31.00 / 33.00
TT12-11X65CL5GHT17N	63.50 / 65.00	35.00 / 40.00

STEELTITE®**MECHANICAL PROPERTIES:**

STEELTITE® Performance Data

For Steeltite® self-drilling screws for steel conforming to AS3566.1-2002

TECHNICAL REQUIREMENTS					
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH			
		10g/16TPI	12g/14TPI	14g/10TPI	14g/20TPI
Axial Withdrawal Force	kN min	2.50	2.80	3.10	3.10
Axial Tensile Strength	kN min	8.60	11.63	14.95	18.89
Minimum Torque for Torsional Strength	Nm min	6.90	10.90	14.10	17.60
Drilling & Threading Capacity	mm	3.50	5	5	6

NOTE:

- AS3566.1-2002 specifies that Withdrawal Tests be carried out from 1.6mm thick zinc coated steel, Type G450-Z275 in accordance with AS1397

ACTUAL DATA					
SPECIFICATION;	UNIT	DIAMETER AND THREAD PITCH			
		10g/16TPI	12g/14TPI	14g/10TPI	14g/20TPI
Axial Withdrawal Force	kN	4.00	4.32	3.95	4.38
Axial Tensile Strength	kN	9.76	16.74	21.54	22.76
Single Shear Load	kN	8.30	11.85	13.59	14.46

NOTE:

- Values quoted are the average of all tests. All samples exceed the minimum requirements specified in AS3566.1-2002
- AS3566.1-2002 does not specify the values of single shear load. Values shown are for loading through the shank and are provided information

STEELTITE®

K5™ COATING

- 45 Microns of Mechanical galvanising
- 70% Zinc - 30% Tin mix
- Minimum Porosity rating of 8
- 2 Hybrid top coatings

HEADMARKING

'K5™' indicates 'K' Konnect Fastening Systems® branding & K5™ coating



OPTIONAL NEOPRENE SEAL

- Manufactured from 100% E.P.D.M
- Non Conductive
- Low Carbon

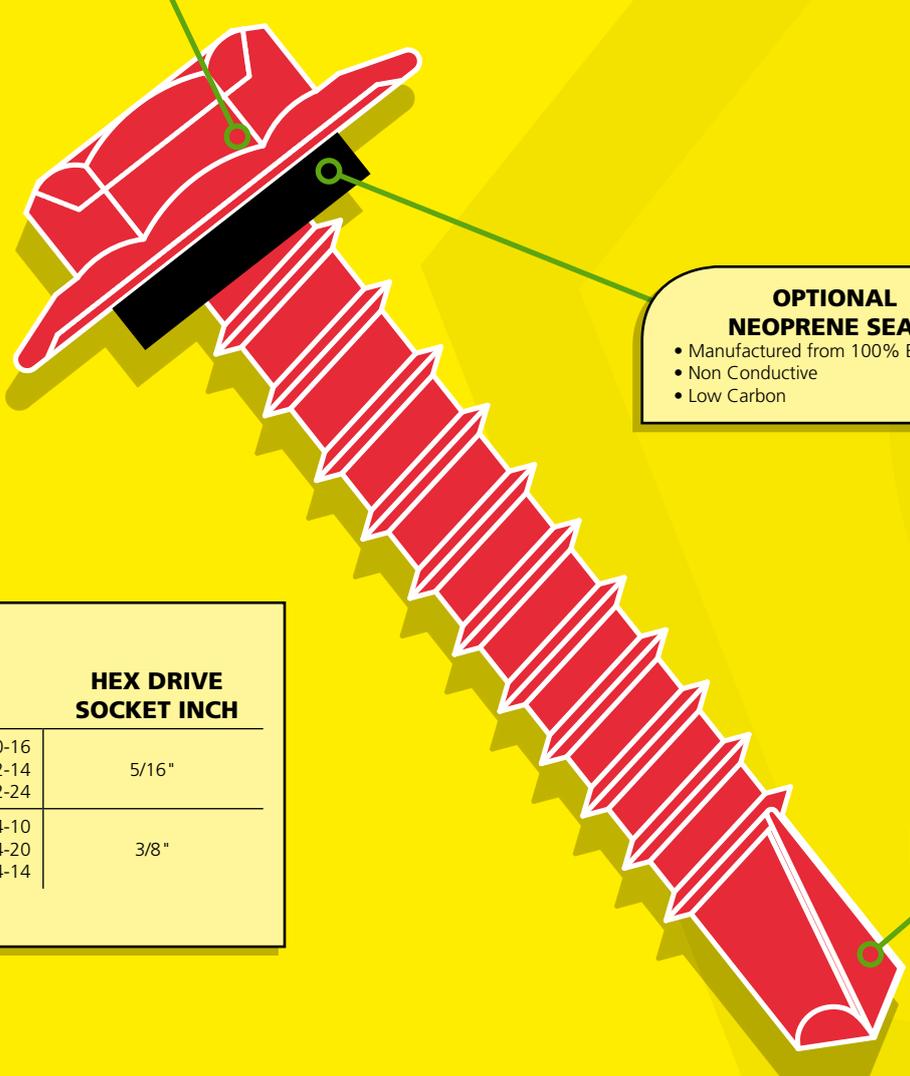
HEX DRIVE SOCKET INCH

10-16	5/16"
12-14	
12-24	
14-10	3/8"
14-20	
14-14	

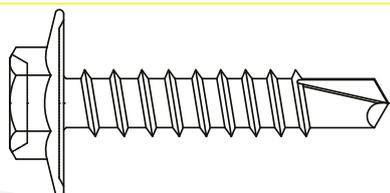
SDS POINT

RECOMMENDED DRILL SPEED

2500rpm

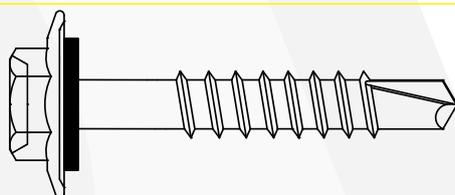


STEELTITE® SCREWS



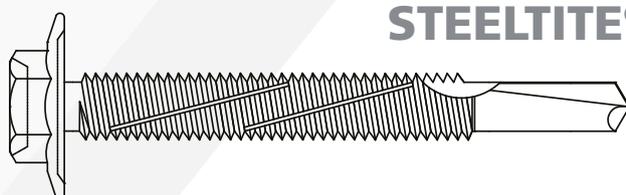
**STEELTITE® HEX HEAD
NO SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
ST10-16X16CL5	10	16	16	5/16"	5
ST10-16X25CL5	10	16	25	5/16"	5
ST12-14X20CL5	12	14	20	5/16"	5
ST12-24X20CL5	12	24	20	5/16"	5
ST12X-14X35CL5	12	14	35	5/16"	5
ST12-14X45CL5	12	14	45	5/16"	5
ST14-14X22CL4	14	14	22	5/16"	4
ST14-14X30CL4	14	14	30	5/16"	4
ST14-10X75CL5	14	10	75	3/8"	5
ST14-14X115CL5	14	14	115	3/8"	5
ST14-20X115CL5	14	20	115	3/8"	5



**STEELTITE® HEX HEAD
W/ SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
ST10-16X16CL5N	10	16	16	5/16"	5
ST10-16X25CL5N	10	16	25	5/16"	5
ST12-14X20CL5N	12	14	20	5/16"	5
ST12-24X20CL5N	12	24	20	5/16"	5
ST12X-14X35CL5N	12	14	35	5/16"	5
ST12-14X45CL5N	12	14	45	5/16"	5
ST14-14X22CL5N	14	14	22	3/8"	5
ST14-10X75CL5N	14	10	75	3/8"	5
ST14-20X115CL5N	14	20	115	3/8"	5

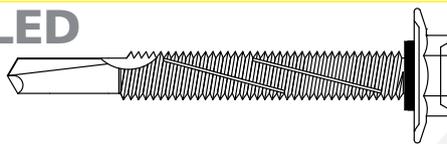


**STEELTITE® S500 LONG DRILLER
HEX HEAD NO SEAL**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
ST12-24X32CL5500	12	24	32	5/16"	5
ST12-24X50CL5500	12	24	50	5/16"	5
ST12-24X65CL5500	12	24	65	5/16"	5

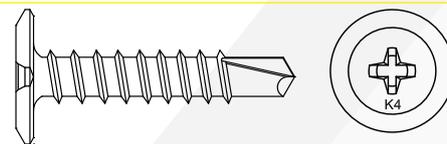
STEELTITE® SCREWS

**STEELTITE® S500 LONG DRILLED
HEX HEAD W/ NEO SEAL**



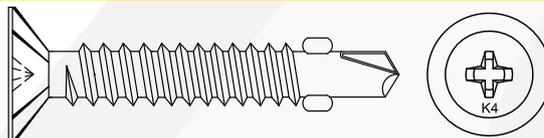
PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
ST12-24X32CL5500N	12	24	32	5/16"	5
ST12-24X50CL5500N	12	24	60	5/16"	5
ST12-24X65CL5500N	12	24	65	5/16"	5

**STEELTITE® WAFER HEAD
PHILLIPS DRIVE**



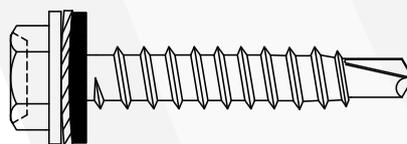
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
ST10-16X16CL4WA	10	16	16	No. 2	4
ST10-16X22CL4WA	10	16	22	5/16"	4

**WINGTITE CSK RIBBED
HEAD PHILLIPS DRIVE**



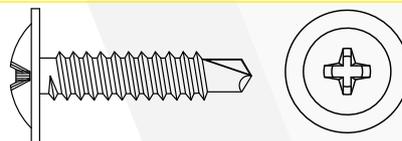
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
ST8-18X25CL4RIBCW	8	18	25	No. 2	4
ST8-18X35CL4RIBCW	8	18	35	No. 2	4
ST8-18X45CL4RIBCW	8	18	45	No. 2	4
ST10-16X32CL4RIBCW	10	16	32	No. 2	4
ST10-16X45CL4RIBCW	10	16	45	No. 2	4

**STEELTITE® STITCHING
SCREW HEX HEAD W/
BONDED WASHER**



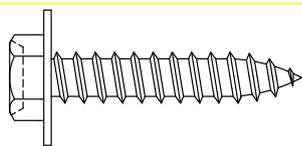
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
ST10-14X20CL5LSWA	10	14	20	5/16"	5

**STEELTITE® BUTTON HEAD
NO. 2 PHILLIPS ZP**



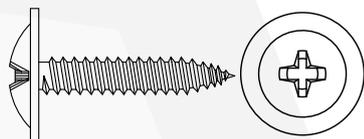
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
ST8-12X16BHSDS	8	12	16	No. 2	5
ST8-12X20BHSDS	8	12	20	No. 2	5
ST8-12X25BHSDS	8	12	25	No. 2	5
ST8-12X32BHSDS	8	12	32	No. 2	5

STITCHING SCREWS



**HEX HEAD NEEDLE POINT
NO SEAL**

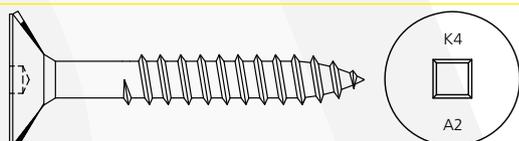
PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TA8-15X12CL4NPSS	8	15	12	1/4"	4
TA8-15X15CL4NPSS	8	15	15	1/4"	4



**BUTTON HEAD NEEDLE POINT
NO SEAL**

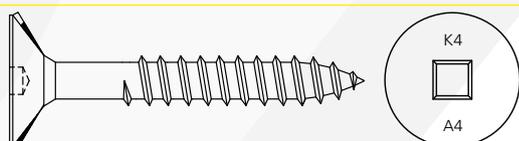
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
8X15BHNPSS	8	15	15	No. 2	2
8X20BHNPSS	8	15	20	No. 2	2
8X25BHNPSS	8	15	25	No. 2	2
8X32BHNPSS	8	15	32	No. 2	2

DECKING SCREWS



**NO. 2 SQUARE DRIVE
SS304 NEEDLE POINT**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	SQUARE DRIVE	GRADE
10X2G304RCBSSQ2	10	9	50	No. 2	304
10X2.12G304RCBSSQ2	10	9	63	No. 2	304
10X3G304RCBSSQ2	10	9	75	No. 2	304
10X4G304RCBSSQ2	10	9	100	No. 2	304

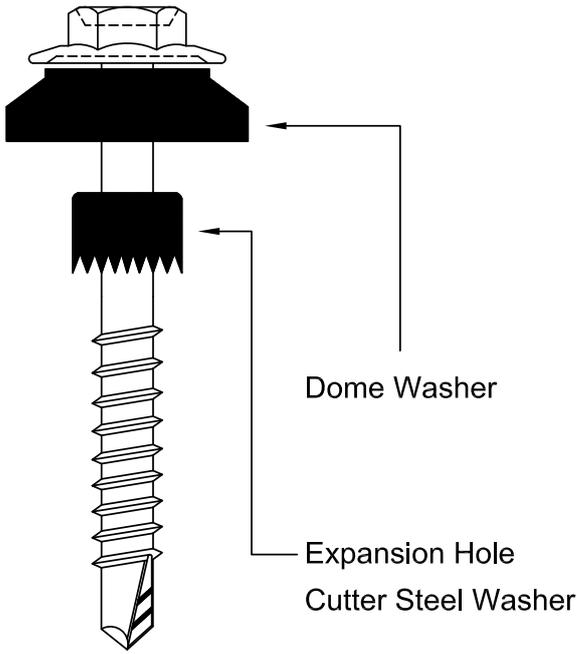


**NO. 2 SQUARE DRIVE
SS316 TYPE 17**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	SQUARE DRIVE	GRADE
10X.1.12G316CBST17SQ2	10	11	38	No. 2	316
10X2G316CBST17SQ2	10	11	50	No. 2	316
10X3G316CBST17SQ2	10	11	75	No. 2	316
10X4G316CBST17SQ2	10	11	100	No. 2	316

POLYCARBONATE SCREWS

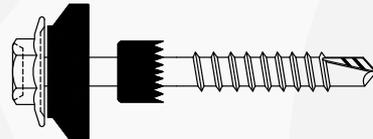
POLYCARBONATE SCREWS



A specific self drilling fastener to secure polycarbonate roofing to timber or metal. The screw comes in two types of drill point depending on your base material or your own preference for fixing.

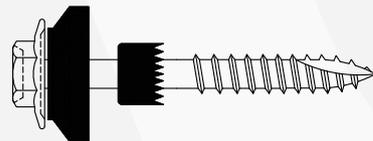
- High quality 24mm EPDM washer for secure water resistance post fixing.
- Innovative patented expansion hole cutter - pre-drills it's own expansion hole
- Reduce installation time by up to 50%.

HEX HEAD UNITITE® POINT

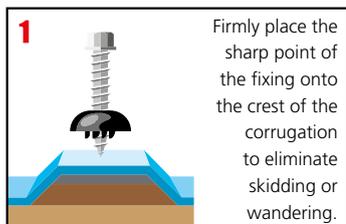


PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
UT6-14X55CL5POLY	M6	14	55	5/16"	5
UT6-14X65CL5POLY	M6	14	65	5/16"	5

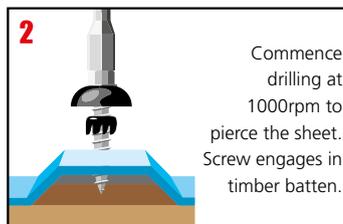
HEX HEAD T17 TIMBER



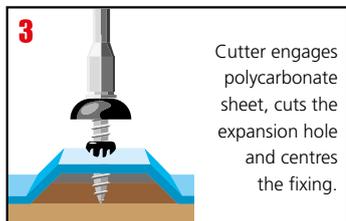
PART NUMBER	GAUGE	TPI	LENGTH (mm)	HEX DRIVE SOCKET	CLASS
TT12-11X55CL5POLY	M6	14	55	5/16"	5
TT12-11X65CL5POLY	M6	14	65	5/16"	5



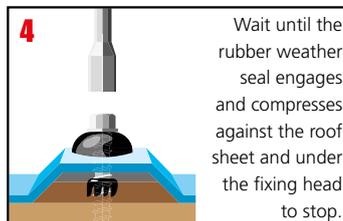
1 Firmly place the sharp point of the fixing onto the crest of the corrugation to eliminate skidding or wandering.



2 Commence drilling at 1000rpm to pierce the sheet. Screw engages in timber batten.

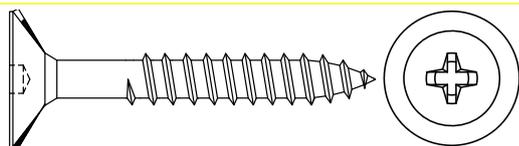


3 Cutter engages polycarbonate sheet, cuts the expansion hole and centres the fixing.



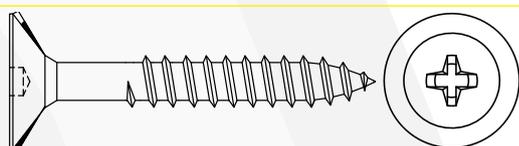
4 Wait until the rubber weather seal engages and compresses against the roof sheet and under the fixing head to stop.

CHIPBOARD SCREWS



**NO. 2 PHILLIPS DRIVE
CLASS 2 ZP**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
8X20CL2CBS	8	9	20	No. 2	2
8X25CL2CBS	8	9	25	No. 2	2
8X28CL2CBS	8	9	28	No. 2	2
8X32CL2CBS	8	9	32	No. 2	2
8X35CL2CBS	8	9	35	No. 2	2
8X40CL2CBS	8	9	40	No. 2	2
8X45CL2CBS	8	9	45	No. 2	2
8X50CL2CBS	8	9	50	No. 2	2
8X57CL2CBS	8	9	57	No. 2	2
10X65CL2CBS	10	9	65	No. 2	2
10X75CL2CBS	10	9	75	No. 2	2

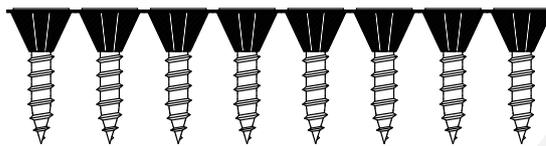


**NO. 2 PHILLIPS DRIVE
CLASS 3**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
8X25CL3CBS	8	9	25	No. 2	3
8X32CL3CBS	8	9	32	No. 2	3
8X40CL3CBS	8	9	40	No. 2	3
8X45CL3CBS	8	9	45	No. 2	3
8X50CL3CBS	8	9	50	No. 2	3
8X57CL3CBS	8	9	57	No. 2	3
10X65CL3CBS	10	9	65	No. 2	3
10X75CL3CBS	10	9	75	No. 2	3
10X100CL3CBS	10	9	100	No. 2	3

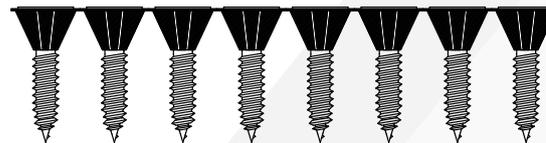
PLASTERBOARD SCREWS

**CLASS 2 ZP NEEDLE
POINT COLLATED
COARSE THREAD**



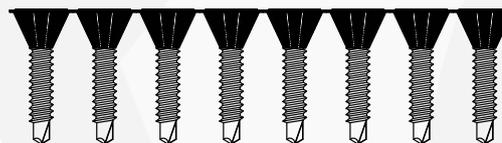
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
6X25BDWSCOLBOX	6	9	25	No. 2	2
6X32BDWSCOLBOX	6	9	32	No. 2	2
6X40BDWSCOLBOX	6	9	40	No. 2	2

**CLASS 2 ZP NEEDLE
POINT COLLATED
FINE THREAD**



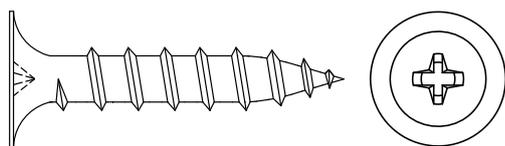
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
6X25BDWSFCOLBOX	6	9	25	No. 2	2
6X32BDWSFCOLBOX	6	9	32	No. 2	2
6X40BDWSFCOLBOX	6	9	40	No. 2	2

**CLASS 2 ZP STEELTITE®
POINT COLLATED**



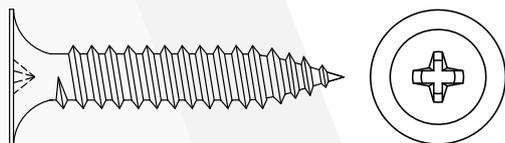
PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
6-20X25BUSDSCOLBOX	6	9	25	No. 2	2
6-20X32BUSDSCOLBOX	6	9	32	No. 2	2
6-20X41BUSDSCOLBOX	6	9	41	No. 2	2

PLASTERBOARD SCREWS



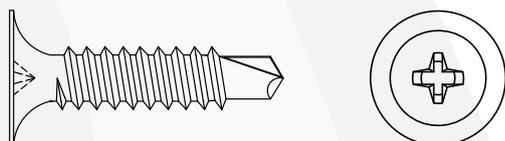
**CLASS 2 ZP
NEEDLE POINT
COARSE THREAD**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
6X25BDWSC	6	9	25	No. 2	2
6X32BDWSC	6	9	32	No. 2	2
6X41BDWSC	6	9	41	No. 2	2



**CLASS 2 ZP
NEEDLE POINT
FINE THREAD**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
6X25BDWS	6	18	25	No. 2	2
6X32BDWS	6	18	32	No. 2	2
6X41BDWS	6	18	41	No. 2	2



**CLASS 2 ZP
STEELTITE® POINT**

PART NUMBER	GAUGE	TPI	LENGTH (mm)	PHILLIPS DRIVE	CLASS
ST6-18X25BU	6	18	25	No. 2	2
ST6-18X32BU	6	18	32	No. 2	2
ST6-18X41BU	6	18	41	No. 2	2

DRIVER BITS

PHILLIPS – 1/4" HEX DRIVE BIT



PART NUMBER	PHILLIPS DRIVE	LENGTH (mm)	PACK QTY
KPH225SH	No. 2	25	10
KPH250S	No. 2	50	1
KPH250SH	No. 2	50	10
KPH275S	No. 2	75	1
KPH275SH	No. 2	75	1
KCPH2100S	No. 2	100	1
KCPH2150S	No. 2	150	1

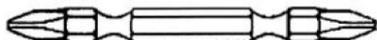
NO. 2 SQUARE DRIVE BIT



PART NUMBER	PHILLIPS DRIVE	LENGTH (mm)	PACK QTY
KSQ225SH	2	25	10
KSQ250SH	2	50	10

NUT SETTERS

PHILLIPS – DOUBLE ENDED DRIVE BIT



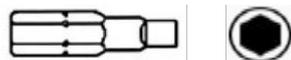
PART NUMBER	PHILLIPS DRIVE	LENGTH (mm)	PACK QTY
KCPH245D	No. 2	45 D/E	1
KCPH245DH	No. 2	45 D/E	10
KCPH265D	No. 2	65 D/E	1
KCPH265DH	No. 2	65 D/E	10

1/4" HEX SHANK MAGNETIC



PART NUMBER	SIZE	LENGTH (mm)	PACK QTY
KCNS1442	1/4"	42	1
KCNS1465	1/4"	65	1
KCNS51642	5/16"	42	1
KCNS51665	5/16"	65	1
KCN3842	3/8"	42	1
KCN3865	3/8"	65	1

5mm HEX DRIVER BIT



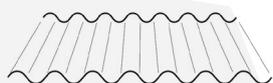
PART NUMBER	HEX DRIVE	LENGTH (mm)	PACK QTY
KHEX530SH	5	30	10
KHEX550SH	5	50	10

DRIVE GUIDE

HEAD TYPE	SCREW SIZE	DRIVER
HEX WASHER 	8 gauge	Magnetic Nutsetter 
	10 gauge	
	12 gauge	
	14 gauge	
WAFER 	8 gauge	No. 2 Phillips 
	10 gauge	
BUGLE BATTEN 	14 gauge	Hex Head Drive Bit 5mm 

ROOFING SCREW SELECTION CHART

CORRUGATED ROOFING PROFILES



	FIXING TO TIMBER BATTENS	FIXING TO METAL 0.45mm - 5.0mm
VALLEY FIX	Unitite® UT6-14x25CL5N or Timber Type 17 TT12-11x25CL5N	Unitite® UT6-14x25CL5N
CREST FIX	Unitite® UT6-14x55CL5N or Timber Type 17 TT12-11x50CL5HGN	Unitite® UT6-14x55CL5N

SQUARE RIB PROFILES



	FIXING TO TIMBER BATTENS	FIXING TO METAL 0.45mm - 5.0mm
VALLEY FIX	Unitite® UT6-14x25CL5N or Timber Type 17 TT12-11x25CL5N	Unitite® UT6-14x25CL5N
CREST FIX	Unitite® UT6-14x65CL5N or Timber Type 17 TT12-11x65CL5HGN	Unitite® UT6-14x55CL5N

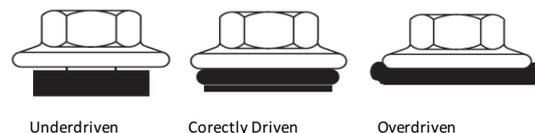
CORRECT SETTING OF SCREWS

Self Drilling Screws with sealing washers (Neo EPDM Washers) should be tightened only until the washer is depressed firmly enough to provide a weathertight seal.

The Self Drilling Screw should not be over-tightened because this may split the sealing washer or deform the sheet, either of which could lead to water penetration.

You should take particular care when valley fixing because there is no flexibility with the sheet as it is hard against its support.

Take particular care to ensure the fastener is driven perpendicular to the sheeting to avoid deformation of the washer.



Underdriven

Correctly Driven

Overdriven

