



CLASS 5 UNITITE® ROOFING SCREWS

The perfect solution for attaching roofing materials/cladding to timber frameworks, steel purlins, and metal battens.

MULTI-PURPOSE

Suitable for both steel and timber

ENDURANCE

Industry leading Class 5 corrosion performance

DRILL SPEED

To rival any competitor

RELIABILITY

Tested in harshest climates for over 7 years

WARRANTY

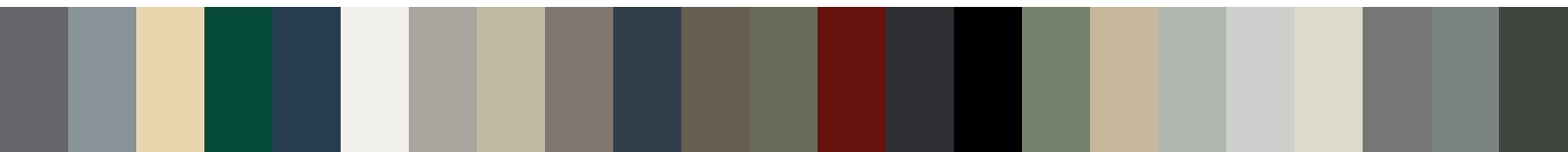
Meets all relevant industry standards

CLEAN CUT

Reduced swarf minimal cleaning

Colorbond®

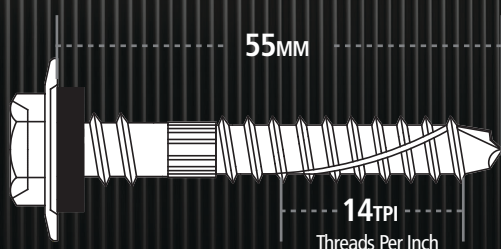
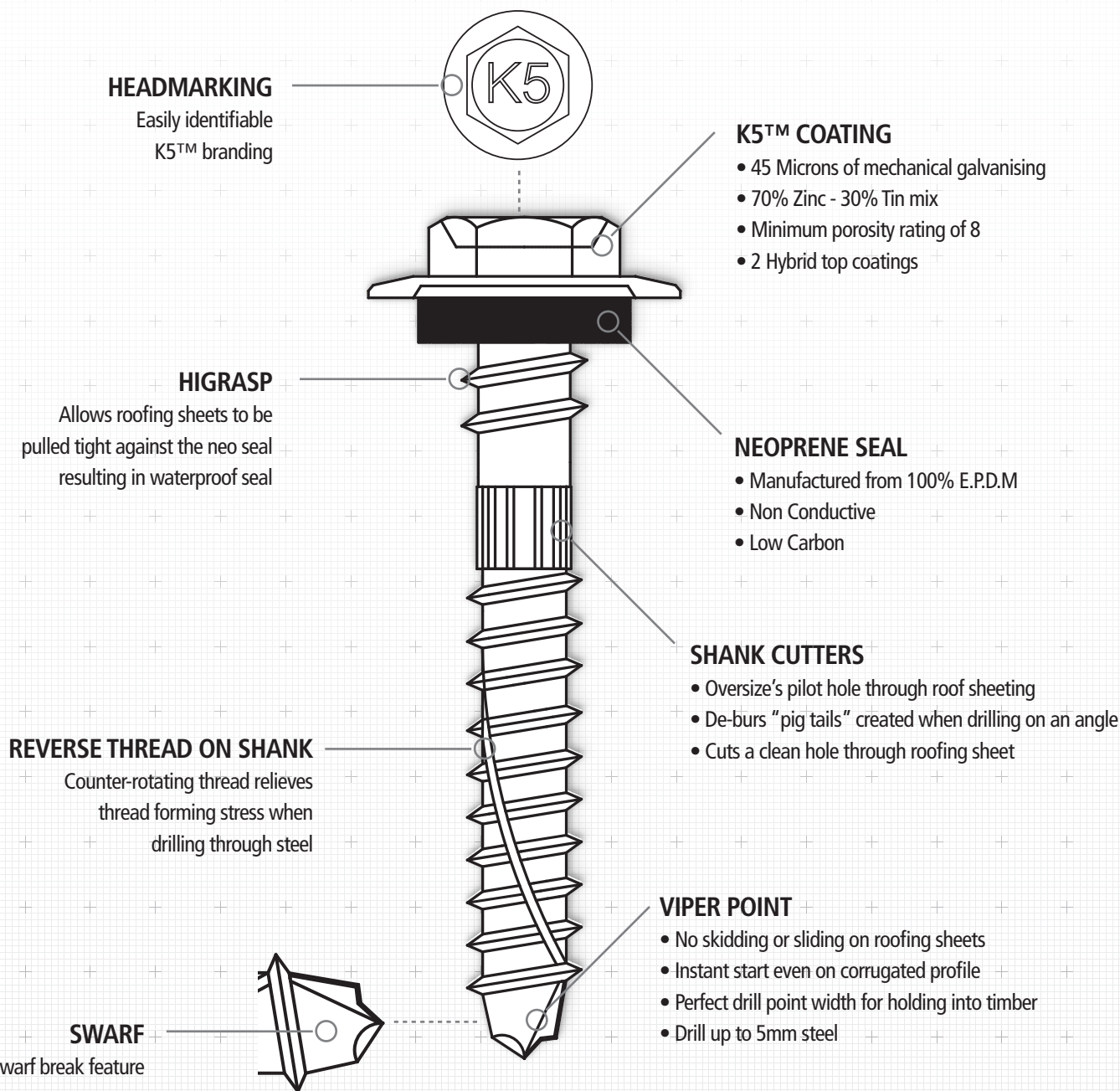
Available in unpainted or in a range of COLORBOND® colours



K5[®] UNITITE[®] ROOFING SCREWS

HEX HEAD WITH CLEARANCE RIB & NEO SEAL

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 are designed to make your job easier and faster and provide your screws with maximum protection.



MAX DRILL SPEED

Timber	1800 RPM
Steel	2500 RPM

GUAGE

M6

HEX DRIVE SOCKET

5/16"

PART

UT6-14X55CL5N

Available in unpainted or in a range of COLORBOND® colours



Basalt®



Bluegum®



Classic Cream™



Cottage Green®



Deep Ocean®



Dover White®



Dune®



Evening Haze®



Gully®



Ironstone®



Jasper®



Mangrove®



Manor Red®



Monument®



Night Sky®



Pale Eucalypt®



Paperbark®



Shale Grey™



Southerly®



Surfmist®



Wallaby®



Windspray®

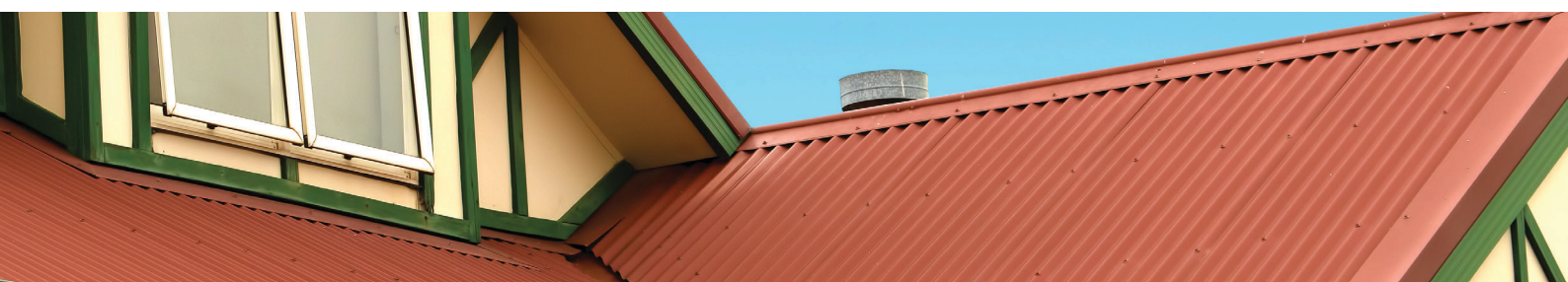


Woodland Grey®

Konnect Fastening Systems® - Unifite Self-Drilling Screws

Colorbond®

The product images are indicative of the COLORBOND® colour range. Please refer to COLORBOND® for further details about specific colours. COLORBOND®, BlueScope and ® colour names are registered trade marks of BlueScope Steel Limited. ™ Colour names are trade marks of BlueScope Steel Limited.



KONNECT FASTENING SYSTEMS K5® COATING

EXTREME CORROSION PROTECTION AT NO ADDITIONAL COST

Konnect Fastening Systems K5® has been the benchmark for extreme protection for many years. Developed to withstand the toughest conditions, the Konnect K5 screw is an industry leading screw that leads the way in performance, value for money and ease of application.

EXTREME PERFORMANCE

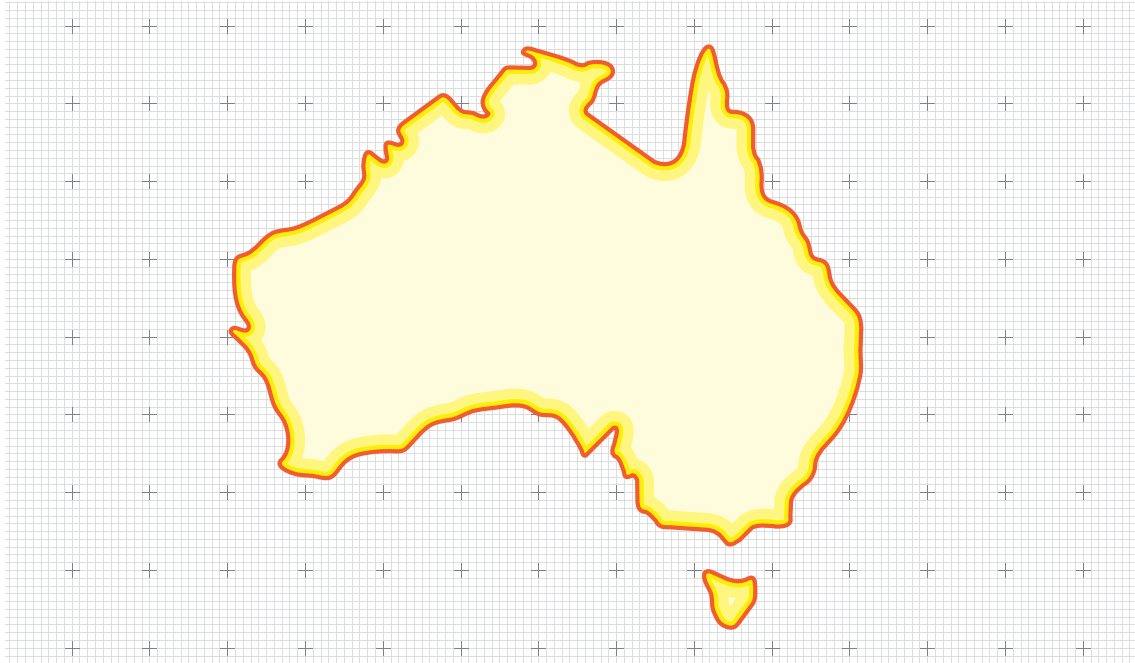
Industry leading corrosion performance for ISO Category 4 and 5 environments.

ADDITIONAL RESISTANCE

Twice the resistance than traditional Class 4 coatings through the addition of 2 hybrid coatings.

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 CAT 5

 **Severe Marine**
ISO 9223 CAT 4

 **Mild & Moderate Marine**
ISO 9223 CAT 3

 **Light Industrial Urban**
ISO 9223 CAT 2



WARRANTY*

We have worked tirelessly to ensure that our roofing and cladding screws withstand the harshest conditions. Feel confident with the assurance that comes from being protected by a top-tier industry warranty.



ENVIRONMENTAL CATEGORY / CONDITIONS		KONNECT K4™ WARRANTY PERIOD	KONNECT K5™ WARRANTY PERIOD
ISO 9223 CAT 5 Very Severe Marine	Up to 400M from the beachfront in regions of rough seasand surf beaches.	NOT RECOMMENDED	10 YEARS
ISO 9223 CAT 5 Very Severe Industrial	Characterised by heavy fall-out and emissions from stacks and strong sulphur.	NOT RECOMMENDED	10 YEARS
ISO 9223 CAT 4 Severe Marine	Between 400M and 1KM from the coast, in areas with the extent dependent on winds, wave actions and topography. Also within 150M from a salt water inlet or creek.	12 YEARS	25 YEARS
ISO 9223 CAT 4 Severe Industrial	Characterised by fall-out and emissions from stacks and sulphur. Within a 2KM radius of Industrial plants, sewerage treatment facilities or airports.	20 YEARS	25 YEARS
ISO 9223 CAT 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.	20 YEARS	30 YEARS
ISO 9223 CAT 3 Industrial	Temperate zone, atmospheric environment with medium pollution (SO ₂ 5µg/m ³ to 30µg/m ³) or some effect of chloride, e.g. urban areas, coastal areas with low deposition of chlorides.	25 YEARS	35 YEARS
ISO 9223 CAT 2 Light Industrial / Urban	Temperate zone, atmospheric environment with low pollution (SO ₂ <5µg/m ³) e.g. rural areas, small towns, dry or cold zone, atmospheric environment with short time of wetness, e.g. deserts, subarctic areas.	30 YEARS	40 YEARS
ISO 9223 CAT 2 Mild Urban	Away from all above environments, generally dry, rural areas well remote from the coast or sources of pollution.	40 YEARS	40 YEARS

*Terms & Conditions

Konnect Fastening Systems, a business division of Coventry Group Ltd. Warrants their K4 and K5® plated 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 authorized 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.

PRODUCT TECHNICAL DATA SHEET

M6-14 x 55mm UNITITES®

Konnect Fastening Systems® M6-14 x 55mm 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.

PART #	DESCRIPTION	PACK /QTY	OUTER BOX
UT6-14X55CL5N	M6-14 x 55mm Class 5 Unitite® w/Seal	500	1500

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 CONT'D



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 UNTITE®	x	x	x	x	x	x	x	x	x	x			

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.

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 UNTITE®	1600	2560	3360	5320	6020					

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.

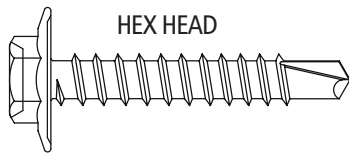
MECHANICAL PROPERTIES:
For conforming to AS3566.1-2002

TECHNICAL REQUIREMENTS - AS3566.1-2002		
SPECIFICATION	UNIT	DIAMETER & 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

OTHER SCREWS FOR THE ROOFING INDUSTRY

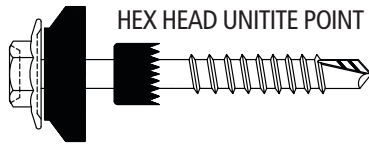
BATTEN SCREW



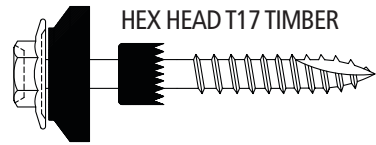
HEX HEAD

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

POLYCARBONATE SCREWS

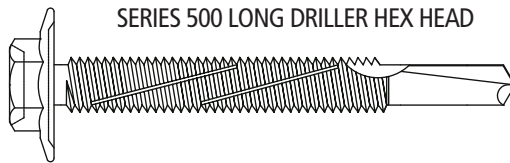


HEX HEAD UNITITE POINT

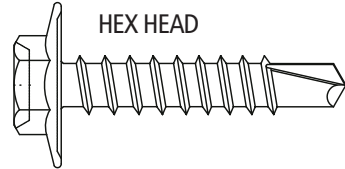


HEX HEAD T17 TIMBER

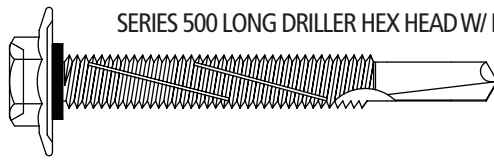
STEELTITE SCREWS



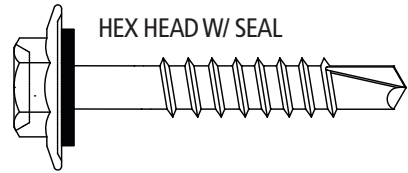
SERIES 500 LONG DRILLER HEX HEAD



HEX HEAD

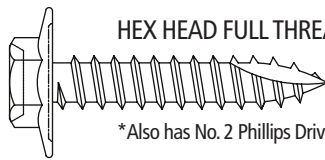


SERIES 500 LONG DRILLER HEX HEAD W/ NEO SEAL



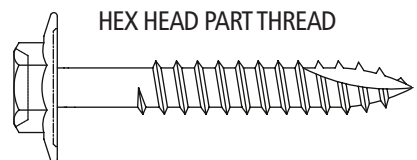
HEX HEAD W/ SEAL

TIMBER SCREWS

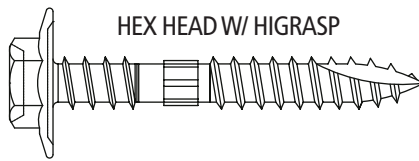


HEX HEAD FULL THREAD*

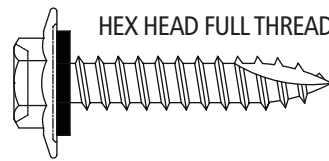
*Also has No. 2 Phillips Drive in Head



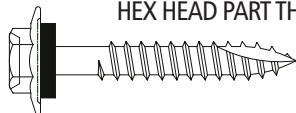
HEX HEAD PART THREAD



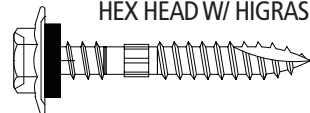
HEX HEAD W/ HIGRASP



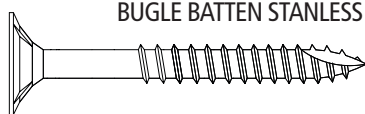
HEX HEAD FULL THREAD W/ NEO SEAL



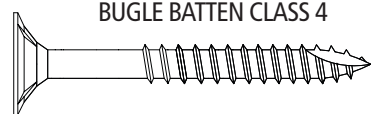
HEX HEAD PART THREAD W/ NEO SEAL



HEX HEAD W/ HIGRASP & NEO SEAL




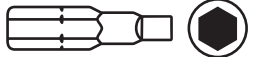


BUGLE BATTEN STAINLESS STEEL 304/316



BUGLE BATTEN CLASS 4

DRIVER GUIDE

HEAD TYPE	SCREW SIZE		DRIVER
HEX WASHER 	M6 - (5/16" AF)	12 GAUGE - (5/16" AF)	MAGNETIC NUTSETTER 
	8 GAUGE - (1/4" AF)	14 GAUGE - (3/8" AF)	
	10 GAUGE - (5/16" AF)		
BUGLE BATTEN 	14 GAUGE		HEX HEAD DRIVE BIT 5MM 



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FROM FOUNDATIONS
TO FINISH

Safety | Adhesives | Sealants | Caulking | Fasteners | Masonry Anchoring | Concrete Lifting Systems | Formwork | Tilt Slab | Power Tools | Power Tool Accessories | Hand Tools | General Construction Supplies | Abrasives | Chemicals and Lubricants | Paints | Roofing and Cladding | Drilling and Threading | Cleaning | Lifting and Rigging