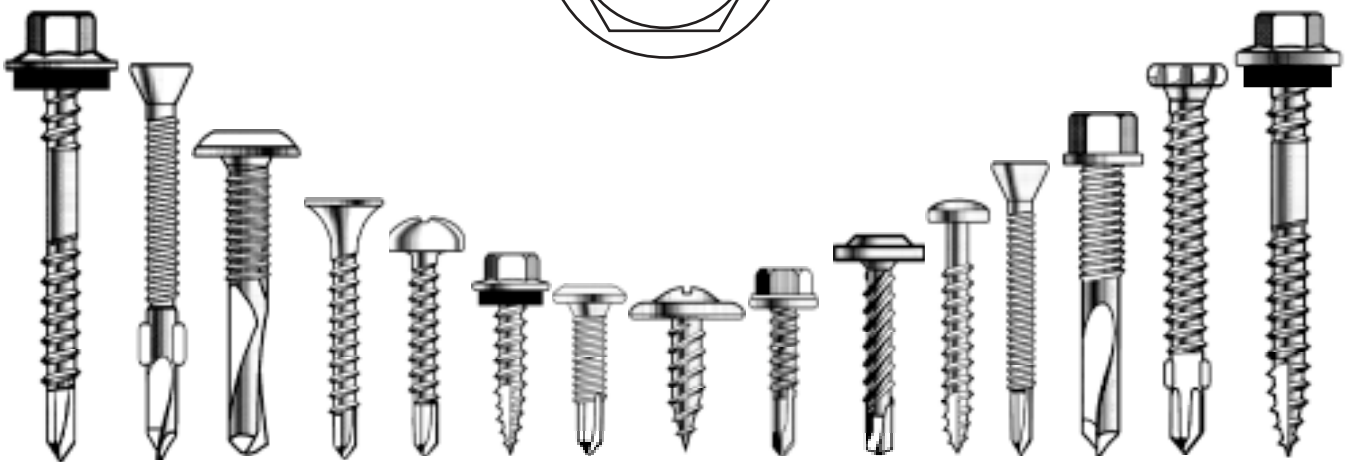
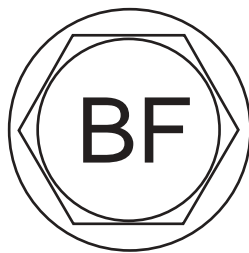


web: www.aerofast.com.au
email: sales@aerofast.com.au



BREMICK SELF DRILLERS

Screw Fastener Selection Guide



For your nearest Stockist contact:
Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Screw Fastener Selection Guide

Introduction

Bremick Fasteners designs, develops and markets a broad range of industrial fasteners across the Pacific region, including self drilling screws, masonry anchors, blind rivets and an extensive range of industrial threaded fasteners. Established in 1965 as a wholesaler of industrial fasteners Bremick has a distribution network of over 400 merchants throughout Australia and New Zealand and is recognized as Australia's leading wholesaler of fastening products.

Screw Fastener Selection

With the recent advances in self drilling screw technology and the subsequent growth in the use of screws as the fastening method of preference the designer, specifier and builder are faced with an ever growing offering of screw fasteners from which to select their chosen fastening solution. This guide has been developed to assist the user to select the application specific fastening solution for their identified need.

Adequate design and construction of any structure is largely dependent upon the correct selection and installation of fasteners. This is practically relevant in the case of Self Drilling Screw fasteners. A fastener should be designed such that when the structure is subjected the ultimate load it is not the fastener it's self that fails but rather the fastened material. To achieve this careful consideration must be made to ensure that the fastener satisfies strength criteria, design life criteria, building use criteria and durability under local environmental conditions. This guide is set out to help the user select the appropriate fastening solution to suit the following criteria.

- £ Corrosion resistance
- £ Environmental conditions
- £ Aesthetics
- £ Fastener Gauge
- £ Fastener length
- £ Drill Point
- £ Head configuration
- £ Ease of installation
- £ Durability
- £ Application
- £ Mechanical properties
- £ Characteristic Load resistance

This publication also gives guidance in respect of application specific solutions, installation instructions and is intended for guidance in the use of Bremick products Whilst every care is taken in the preparation of this guide, Bremick accepts no responsibility for the accuracy of the information provided.

Malcolm Nason
Marketing Manager
Building Products



Screw Fastener Selection Guide

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Self Drilling Screw Fastener Selection

Fastener Designations

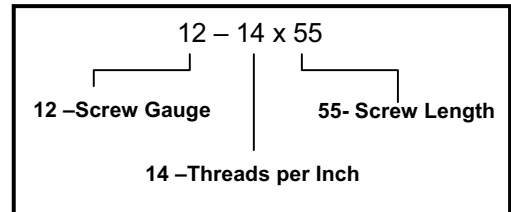
Fastener Size Designations

For ease of identification all Bremick Screw Fasteners conform to the following designations

The first figure denotes the screw gauge.

The second figure denotes the threads per inch (TPI)

The third figure denotes the screw length.

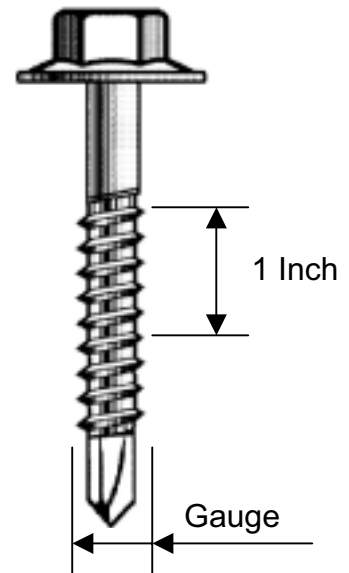


Fastener Gauge

The screw gauge is determined by the major (outside) thread diameter.

The relationship of gauge and diameter of Bremick screws is shown below.

Gauge	Major Diameter
6g	3.5mm
8g	4.2mm
10g	4.8mm
12g	5.5mm
14g	6.3mm



Threads per Inch (TPI)

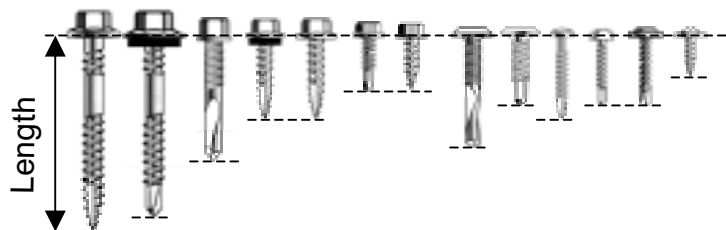
The TPI of a screw is defined by the number of Screw threads in a length of 1 inch (25.4mm)

Fastener Length

The fastener length is defined as the total length of penetration.

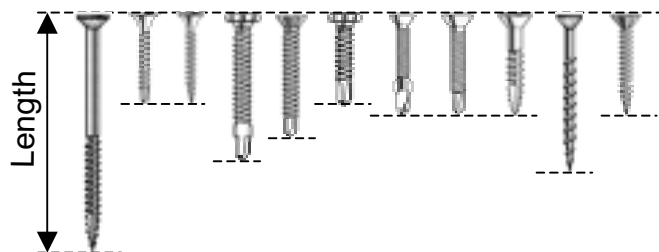
- Hexagonal Headed screws
- Wafer Headed Screws
- Pan Head screws
- Button Head Screws

The length is measured from the underside of the head to the end of the drilling point.



- Bugle Headed Screws
- Self Embedding Head Screws
- Flower Head Screws
- Countersunk Screws

The length is measured from the top of the head to the end of the drill point.





Self Drilling Screw Fastener Selection

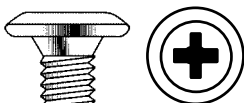
Head Styles

Hex. Washer Head



Hexagonal head with an integral flat washer recessed to accommodate a resilient sealing washer. Available in 1/4", 5/16" and 3/8" sizes. The washer surface also provides a bearing surface for the drive socket. Drive with a hexagonal socket driver

Wafer Head



Low profile rounded head that reduces the risk of dimpling roofing sheets when subjected to traffic. Driven with a #2 Phillips Cross Recess Bit.

Pan Head



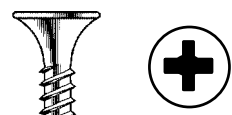
Rounded head with a flat underside that optimizes clamping forces when used in metal sheeting applications.

Bugle Batten Head



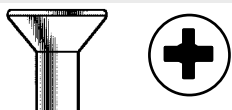
A countersunk head specifically designed to embed into timber for heavy duty fastening of timber battens and boardwalks. Drive with a 5mm Internal Hexagonal drive bit.

Bugle Head



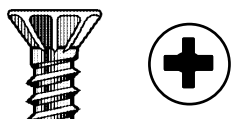
A countersunk head specifically designed to give flush fastening in plasterboard without tearing the facing paper. Drive with a #2 Phillips Cross Recess Bit.

Countersunk Head



Developed to give a flush finish when fastening timber and is also used for other applications requiring a flush or recess finish such as mounting hinges..

Countersunk Rib Head



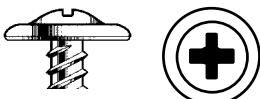
Countersunk head with reaming cutters on the underside to assist self embedment into timber and soft board materials. Drive with a Phillips #2 Cross Recess Bit.

Self Embedding Head (Flower Head)



A special flat head featuring reaming cutters and flutes for self embedding into fibre cement sheets resulting in a flush finish. Drive with a Phillips #2 Cross Recess Bit.

Button Head

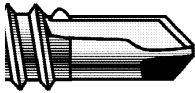


Very low profile head of large diameter with a flat underside to optimise fastening to thin sheet metals and drywall tracks. The low profile head permits overlaying of board and plasterboard without affecting seating. Drive with a Phillips #2 Cross Recess Bit.

Self Drilling Screw Fastener Selection

Drill Points

Self Drilling Point



A twist drill style hardened point for drilling through steel up to 6.4mm thick. The length of the drilling flutes determine the amount of drilling swarf that can be expelled and therefore the depth of metal that can be drilled.

Deep Drilling Point



A twist drill style hardened point for drilling through steel up to 12.5mm thick. Extended swarf clearing flutes ensure efficient drilling without fouling the head seating with drilling debris.

Type 17 Point



A self drilling point for fastening in to timber. The hardened point will also drill through thin metals up to 0.75mm thick that makes this point suitable for fastening roofing sheets to timber battens. The screw threads extend down the point thus the screw “pulls” it’s self into the timber with reduces the required drilling pressure and reduces the risk of stripping of threads due to “over running”.

Needle Point



A self drilling point designed to pierce through thin metals into timber and lap and stitch fastening thin sheets such as roofing sheet lap fastening.

Wing Drilling Point



Self drilling twist drill style point that that is designed for fastening timber on to metal base materials up to 6.4mm thick. The screw design incorporates two cutting wings that are ream a thread clearance hole through the timber that prevents the timber “lifting” as the screw point penetrated the metal base material. After cutting the clearance hole in the timber the wings break off as they contact the metal base material allowing the screw threads to tap into the metal. When selecting the length of a Wing Drilling Screw ensure that the selected screw is at least 20mm longer that the timber thickness to allow for the long drilling point.



Self Drilling Screw Fastener Selection

Corrosion Protection

All Bremick Screw Fasteners are manufactured with corrosion protection that exceeds the requirements of

AS 3566 Part 2 – 2002 Self Drilling Screws for the Building and Construction Industries

There are 4 levels of protective coatings prescribed in AS 3566.2-2002.

The selection of the most appropriate level of corrosion protection being dependent upon;
Environmental exposure

Life time requirements

Economics.

The requirements of AS 3566.2 are tabled below;

Extract from AS 3566.2 – 2002 “Requirements for Zinc and Zinc-Tin Coated Fasteners”

Corrosion Resistance Class	Coating Type	Minimum Thickness (micron metres)	Minimum Porosity Rating
1	Electroplated Zinc	4	NA
2	Electroplated Zinc	17	6
3	Mechanically Plated - Zinc/Tin	25	8
4	Mechanically Plated - Zinc/Tin	45	8

Environmental Exposure

AS 3566 Part 2 gives guidance as to Atmosphere of intended application in relation to each Corrosion Resistance Class. Extracts for the standard are as follows;

Corrosion Resistance Class	Atmosphere of Intended Use
1	General use in internal applications
2	General use in other than external applications, but where significant levels of condensation occurs.
3	External applications in mild, moderate industrial and marine environments. Corrosivity categories C2 and C2 ISO 9223
4	External use in severe marine environment. Corrosivity Category C4 ISO 9223

Extract from AS3566.2 Part2 /4 Table 1



Self Drilling Screw Fastener Selection

Bremick Armourcoat®

Armourcoat® Corrosion Protection Systems

Bremick Armourcoat® is a unique corrosion protection system that has proven ability to match extreme Australian environmental conditions.

Armourcoat screws are manufactured in two distinct grades of corrosion resistance.

Armourcoat® exceeding the requirements of AS3566.2 CL3

Armourcoat® 4 - exceeding the requirements of AS3566.2 CL4

Armourcoat®

Developed to resist long term weathering exposure categories

ISO Category 2

ISO Category 2-3

ISO Category 3

Armourcoat® 4

Specifically designed to match extreme environmental conditions in coastal, tropical and heavy industrial zones.

ISO Category 2

ISO Category 2-3

ISO Category 3

ISO Category 4

Armourcoat® and Armourcoat® 4 are unique triple layer systems comprising of

1. A galvanic protection layer of mechanically deposited zinc alloy.
2. A passivating chromate conversion layer.
3. An organic, high content aluminium flake, polymer coating for additional weathering resistance and increased drilling performance.



Armourcoat® 4 offers twice the life expectancy of standard CL3 Fasteners



Corrosion Protection

Shank Protector

Bremick Shank Protector

When Under Roof Corrosion is a problem Bremick has the answer.

Under roof corrosion is a subject of particular concern in the effective design of roofing systems. The cause is the build up of moisture on the underside of the roofing sheets due to condensation. The screw coating alone is often not sufficient to combat the corrosive effects of condensates because much of the coating can be abraded from the screw shank during installation.



The Bremick solution is the Shank Protector.

The Bremick Shank Protector enlarges the hole cut into the roofing sheet sufficiently to minimize abrasion of the corrosion protection coating on the upper portion of the screw shank as it is driven through the sheeting.

The location of the shank Protector offers maximum protection with out effecting screw holding performance.

The unique fluted design ensures smooth drilling performance.

With out shank protection



Screw shank abraded as it is driven through the pierced hole in the roofing sheet.

With Bremick Shank Protector










Screw shank abrasion is prevented by the clearance hole produced by the Shank Protector.



Corrosion Protection

Bremick Warranty Warranty Periods

Environmental Conditions	ARMOURCOAT™ AS3566 CLASS 3	ARMOURCOAT™ 4 AS3566 CLASS 4
 <p>Mild Urban / Rural (ISO category 2) All areas remote from the coast, industrial areas and the tropics. Sparsely settled regions such as outback Australia are typical examples, but the category also includes rural communities other than the coast.</p>	40 Years	60 Years
 <p>Light Industrial/Urban (ISO Category 2-3) Areas with light industrial pollution and includes most inland cities. Away from all environments discussed below, and between 500m and 1000m from heavy industrial fallout.</p>	30 Years	50 Years
 <p>Moderate Industrial (ISO Category 3) Characterized by fallout from adjoining severe industrial environments, or where small industries lead to significant industrial fallout.</p>	20 Years	30 Years
 <p>Severe Industrial (ISO Category 4) Area around major industrial complexes characterized by heavy fallout, strong sulphur and acid smells. Also includes buildings with high humidity and/or corrosion from operations within.</p>	Not recommended	20 Years
 <p>Mild/Moderate Marine (ISO Category 3) Characterized by slight salt smell occasionally noticeable, airborne salt present but not visible as a haze. Generally between 300m and 1KM from marine surf, but distances may extend due to topography, vegetation and prevailing strong winds.</p>	12 Years	30 Years
 <p>Severe Marine (ISO Category 4) Characterized by strong salt smell and haze, salt smearing on windows and salt buildup on unwashed areas of buildings. Generally includes areas from beachfront up to 300m inland, but may extend further with prevailing winds. Generally a very noticeable deterioration of most building materials will be present.</p>	Not recommended	20 Years
 <p>Very Severe Marine (ISO Category 5) Offshore and areas with breaking surf are included in this area.</p>	Not recommended	Not recommended



For your nearest Stockist contact:
 Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Corrosion Protection

Bremick Warranty on ArmourcoatTM and ArmourcoatTM 4

BREMICK WARRANTY on ArmourcoatTM and ArmourcoatTM 4 products

This Warranty is to be read in conjunction with the general Terms and Conditions of Sale published by Bremick Pty Limited ACN 000 496 131 ("Bremick") and relates solely to the named products where the named products are installed correctly in an environment that falls within the classification as specified in AS3566 Class 3 and/or AS3566 Class 4 of the nominated/environmental conditions:

1. Bremick warrants the Products will not suffer loss of structural integrity due to the effects of natural weathering corrosion for the relevant Warranty Periods as specified in the relevant table applicable to the nominated/environmental conditions ("the Warranty").
2. The Warranty is subject to the following conditions and limitations:
 - (a) the Warranty applies if the Products are installed correctly in accordance with the specification and relevant applicable environmental conditions.
 - (b) the Customer giving to Bremick at [NOTIFICATION DETAILS] written notification of any alleged defect within 30 days of the Customer (or any officer, employee or agent of the Customer) first becoming aware of the alleged defect under the Warranty ("the specific Claim").
3. The Warranty shall not apply and Bremick shall be under no liability whatsoever to the extent that the alleged defect, fault or default arises from the following conditions:
 - mechanical, chemical or other damage sustained during handling, storage, installation or subsequent to installation of the Product;
 - attach from chemical agents, fumes, liquids or solids other than direct rain falling on the Products;
 - contact with soil, ashes, fertilisers or other moisture retaining substances;
 - areas in direct contact with lead or copper, or subject to water run off from flashings or pipes made from these materials;
 - storm, tempest, war or other Acts of God;
 - metal fatigue caused by incorrectly installed or tensioned Products and/or other fasteners;
 - changes to existing environmental conditions that impact detrimentally on the Products.
4. Standards Australia in AS/NZS 2312-1994 acknowledge that, while attempting to categorise certain environmental conditions, it is "very difficult, if not impossible, to predict accurately the aggressiveness of a given environment and a certain amount of educated judgment is required to assess [the microclimatic] influence on the coating life [of a fastener]". Standards Australia further states that such difficulty in accurate predictions is caused largely by microclimatic effects such as locations where the metal surface remains damp for an extended period, prevailing winds which transport contamination, hot or cold surfaces and surfaces exposed to abrasion and impact. These effects can outweigh the environmental conditions described in the warranty.

As Bremick is unable to anticipate any particular microclimatic conditions, the customer should consult Bremick so that a more detailed assessment as to the correct product to be used can be provided to meet the requirements of any particular microclimatic conditions.
5. The Warranty is conditional upon the compliance with terms and the payment in full by the Customer for the Products in accordance with normal trading terms of Bremick applicable to the Customer.
6. Bremick shall be entitled to inspect the Products any time during the Warranty Period upon reasonable notice being given to the Customer. The Warranty shall cease to apply forthwith if the Customer denies the access to which Bremick is entitled pursuant to this clause. In any inspection, the Customer must give clean, dry, safe and unobstructed access to the Products with all water, dirt, sludge, residue, liquid and overburden removed from its surface.
7. Upon receipt of the specific Warranty Claim, Bremick will:
 - (i) notify the Customer of the date that Bremick's representatives will inspect the Products; and
 - (ii) request such information as may be required from the Customer.
8. Except as expressly provided in clauses 1 and 9, all terms, conditions, warranties, undertakings, inducements and representations, whether express or implied, statutory or otherwise relating in any way to the Products, are excluded. Without limiting the generality of the preceding sentence, Bremick will not be under any other liability in respect of any loss or damage (including consequential or special loss or damage) howsoever caused, whether by negligence or otherwise, which may be suffered or incurred or which may arise directly or indirectly in respect of the supply of the Products by Bremick.
9. Where any applicable legislation implies any term, condition or warranty into Bremicks' contract or relationship with any Customer or end user of the Products or otherwise gives the Customer a particular remedy against Bremick and that legislation or any legislation avoids or prohibits provisions excluding or modifying the application or exercising of or liability under such term, condition, warranty or remedy then that term, condition, warranty or remedy shall be deemed to be included in, or as the case may be, applied to that contract or relationship. However, Bremick's liability for any breach of any such term, condition or warranty or under contract or such remedy, shall be limited at Bremick's option in any one or more of the ways permitted by that legislation including where so permitted to the repair or replacement of the Products or the payment of costs of replacement of the Products.
10. The Warranty is valid only within Australia, New Zealand and Fiji.
11. The benefit of the Warranty may not be assigned or transferred and is personal to the Customer and/or the building owner as at the date of installation of the Products. All labour costs and all costs of removing and returning any Products shall be borne by the Customer unless otherwise agreed in writing by Bremick.
12. This Warranty shall be governed by the laws in force in the State of New South Wales, Australia.

Environmental Conditions

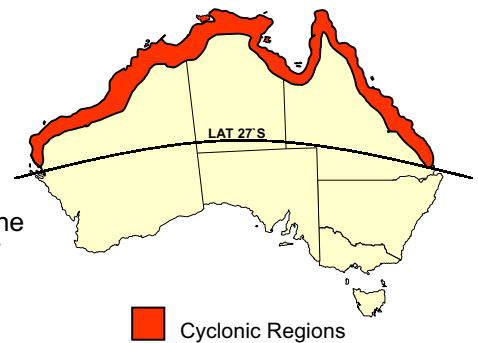
Fastening in Cyclonic Zones

Fastening Solutions for High Wind Regions

When designing roofing and cladding systems a critical consideration is the durability of the finished building. The durability of the building is largely dependent upon the performance of the fasteners and their durability under local environmental conditions. A fastening system should be designed such that under ultimate load it is not the fastener that fails but rather the the sheeting material. This consideration is especially important when specifying fasteners in areas subjected to extreme environmental conditions.

Australian coastlines are often subjected to high winds and cyclones. The coast lines of Queensland, Northern Territory and the Northern coast of Western Australia are seasonally effected by the actions of cyclones each summer.

AS1170.2 and AS4055 give specific guidance in this respect, and the general areas subjected to cyclones are displayed in the diagram opposite.



Roofing Fasteners for Cyclonic and High Wind Zones

When selecting a suitable fastener in high wind zones the following factors must be observed.

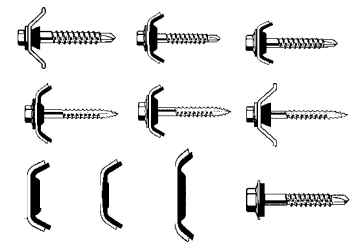
Axial withdrawal (Tensile) capacity of the fastener in the batten /purlin
Tensile capacity of the fastener.

The capacity of the fastener system to withstand cyclic loading.

The pull over resistance of the fastener system.

The sealing efficiency of the fastener system.

Conformance of the fastener to relevant codes and standards



Cyclone Plates required
For common sheet profiles

Past Practice

In the past it was common practice to employ pressed steel cyclone plates, separate seals and screw fastener combinations for fastening roofing sheets in high wind zones. These systems were complex, aesthetically unsightly, awkward to install and lacked efficient sealing. In addition each roofing profile required a unique plate profile that required a high degree of workmanship in their application.

State of the Art Solution

Recent innovations in fastener development have largely eliminated these problems with products of high performance, durability and simplicity of installation.

Bremick Roofing Assembly

The Bremick Roofing Assembly is a fully assembled roofing fastener specifically designed for fastening roofing profiles in cyclonic zones. The integral washer and seal is compatible with all common sheeting profiles and has proven performance in stringent laboratory testing and in the harsh Australian environment.





Colour Matching of Fasteners

Coloured Screw Fastener Availability

In May 2003 BHP Steel introduced a new colour range for COLOR BOND® XRW roofing, walling, fascia and gutter products. The new colour range includes 20 fashionable colours, 4 of which are completely new colours, 14 are renamed colours from the old range and 2 are from the COLORBOND® Fencing steel range.

In order that you can take full advantage of the latest trends in the market Bremick carries these new and exciting colours in stock for a broad range of self drilling screws.

Below is a table that outlines the full colour range and also highlights the colour name changes as well as the old and new Bremick colour code prefixes applicable for all colours.

Colours to Match COLORBOND® Steel

Old Colour Range		New Colour Range		Additional Comments
Old ColorBond® XRW Steel Colour Range	Old Bremick Prefix	New ColorBond® XRW Steel Colour Range*	New Bremick Prefix	
Off White	OW	Surfmist™	SM	Old "XRW" colour with new name.
Armour Grey	AR	Windspray™	WS	Old "XRW" colour with new name.
Rivergum	RG	Wilderness™	WI	Old "XRW" colour with new name.
Tuscan Red	TR	Headland™	HL	Old "XRW" colour with new name.
Mountain Blue	MB	Deep Ocean™	DO	Old "XRW" colour with new name.
Birch	BG	Dune™	DU	Old "XRW" colour with new name.
Smooth Cream	SC	Classic Cream™	CC	Old "XRW" colour with new name.
Merino	ME	Paperbank™	PA	Old "XRW" colour with new name.
Gull Grey	GG	Shale Grey™	SH	Old "XRW" colour with new name.
Slate Grey	SG	Woodland Grey™	WG	Old "XRW" colour with new name.
Mist Green	MG	Pale Eucalypt™	PE	Old "XRW" colour with new name.
Caulfield Green	CG	Cottage Green™	CO	Old "XRW" colour with new name.
Heritage Red	HR	Manor Red™	MN	Old "XRW" colour with new name.
Ebony	EB	Night Sky™	NS	Old "XRW" colour with new name.
		Bushland™	BD	Existing Fencing colour (Teatree™) with new name)
		Plantation™	PL	Existing Fencing colour (Hedge™) with new name)
		Ironstone™	IR	New Colour
		Sandbank™	SK	New Colour
		Blue Ridge™	BI	New Colour
		Jasper™	JA	New Colour

* Pale Terracotta, Torres Blue, Wheat and Stone have been deleted from the new ColorBond XRW steel range. These colours will still be available in the secondary colour palette, although minimum order quantities will be required.

* TM Colour names are trademarks of BHP Steel Ltd

For further information on the Bremick Colour range and availability, please contact your nearest Bremick Branch.

For colours not listed above please contact your nearest Bremick Branch.

For non-standard colours, please supply a colour sample, 30 x 30mm for colour matching.

Fastening To Metal

Screw Selection

Bremick Self Drilling Screws are tested to meet the requirements of AS 3566 Self Drilling Screws for the Building and Construction Industry

The screws are specifically developed with drill points and threads that efficiently pierce and cut threads into structural and mild steels

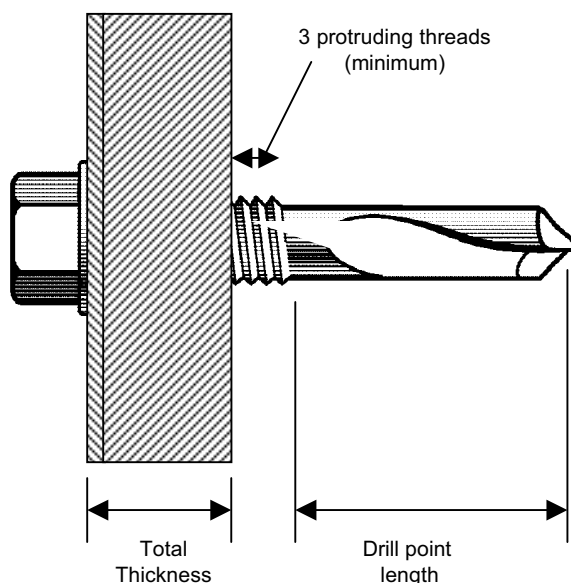
The drill point diameter is optimally matched to the threads to ensure maximum thread engagement into the steel.

Bremick screws also carry an extended swarf flute that ensures that drilling swarf is cleared, thus preventing fouling during the drilling process.

When selecting Self Drilling screws for a specific application the following points are important

The length of the drill point must be greater than the total thickness of the fastened material, inclusive of air gaps.

The screw must be of sufficient length to ensure at least 3 threads protruding through the fastened material.



Drilling capacities for each screw gauge and TPI are indicated in the table below

Gauge	Threads per inch	Max. drilling capacity mm
6	20	2.3 mm
8	18	2.5 mm
10	16	4.5 mm
10	24	4.5 mm
12	14	4.5 mm
12	24	5.3 mm
14	10	3.0 mm
14	20	6.4 mm
Deep Driller	12	12.5mm



Fastening To Metal

Screw Selection

Determine the total thickness of the material to be fastened, including air gaps.

From the table below select a screw that has a drill point length greater than the total thickness of the fastened material.

Screw Gauge & TPI	Max. drilling capacity m m
6 -2 0	2.3 m m
8 -1 8	2.5 m m
1 0 -1 6	4.5 m m
1 0 -2 4	4.5 m m
1 2 -1 4	4.5 m m
1 2 -2 4	5.3 m m
1 4 -1 0	3.0 m m
1 4 -2 0	6.4 m m
Deep Driller 12-24	12.5 m m

Select a screw that is long enough to allow at least 3 threads to protrude beyond the fastened material.

Choose a head type that best suits the application.

Select the most appropriate corrosion protection for the intended environment.

Installation Instructions

Select the appropriate driver for the screw selected.

Head Type	Driver
Wafer Hd. 8+10g	Phillips Bit #2
Pan Hd. 6+8g	Phillips Bit #2
CSK Hd. 6,8+10g	Phillips Bit #2
CSK Rib Hd	Phillips Bit #2
Button Hd	Phillips Bit #2
Bugle Hd	Phillips Bit #2
Self Embedding Head 8+10g	Phillips Bit #2
CSK Rib Hd Wing Drill 6+10g	Phillips Bit #2
CSK Rib Hd Wing Drill 14g	Phillips Bit #3
Self Embedding Hd Wing Drill 8+10g	Phillips Bit #2
Hex. Washer Hd 8g	1/4" Hex. Socket
Hex. Washer Hd 10+12g	5/16" Hex. Socket
Hex. Washer Hd 14g	3/8" Hex. Socket

Fit the driver to a power screw driver of 380 to 650 Watt rating and minimum 2200rpm.

Place the point of the screw at the fastening location and apply firm pressure to create a start point.

Activate the Power screw driver trigger, slow speed at first, then maintain pressure until the screw has drilled and the head is firmly seated.



Fastening To Metal

Application:

Recommended Fastener:

Fastenings into metal where a low profile head is required

Metal deck clips
Electrical conduit clips
Sheet metalwork
Brackets
Pipe saddles
Signage

Wafer Head



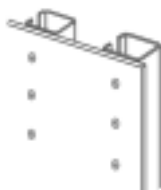
Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18x12	Zn	1000	SMWCZ080122	No. 2
	10g	10-16x16	Zn	1000	
CL3+,W			1000	SMWC3100162	
10-24x16		Zn	1000	SMWFZ100162	
		CL3+,W	1000	SMWF3100162	
10-16x22		Zn	1000	SMWCZ100222	
		CL3+,W	1000	SMWC3100222	
10-24x22	Zn	1000	SMWFZ100222		
	CL3+,W	1000	SMWF3100222		
10-16x30	CL3+,W	1000	SMWC3100302		
10-24x30	Zn	1000	SMWCZ100302		

Application:

Recommended Fastener:

Fastening plasterboard to metal up to 2.3mm thick
Dry walls
Ceilings



Bugle Head



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
6g	6-18x25	Zn	1000	SMUCZ060252	No. 2
	6-18x30	Zn	1000	SMUCZ060302	
	6-18x45	Zn	1000	SMUCZ060452	

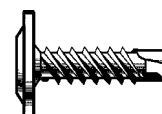
Application:

Recommended Fastener:

Fastening into metal where a broad flat head is required

Conduit clips
Fascia brackets
Foil sarking
Insulation panels
Pipe saddles
Sheet metalwork

Button Head



Product Range

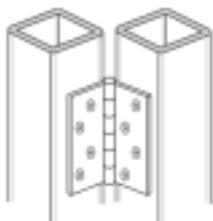
Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18x12	Zn	1000	SMBCZ080122	No. 2
	8-18x16	Zn	1000	SMBCZ080162	
	8-18x20	Zn	1000	SMBCZ080202	
	8-18x25	Zn	1000	SMBCZ080252	
	8-18x32	Zn	1000	SMBCZ080322	

Fastening To Metal

Application: Recommended Fastener:

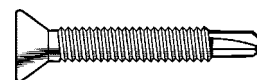
Fastening into metal where a flush finish is required

Fences
Hinges
Gates
Pre drilled panels



Countersunk Head

Product Range



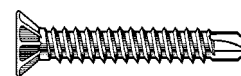
Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
6g	6-20x20	Zn	1000	SMKCZ060202	No. 2
	6-20x30	Zn	1000	SMKCZ060302	
	6-20x40	Zn	1000	SMKCZ060402	
	6-20x50	Zn	1000	SMKCZ060502	
8g	8-18x25	Zn	1000	SMKCZ080252	
10g	10-24x25	Zn	1000	SMKCZ100252	
	10-24x30	Zn	1000	SMKCZ100302	
	10-24x40	Zn	1000	SMKCZ100402	
	10-24x50	Zn	500	SMKCZ100502	
	10-24x65	Zn	500	SMKCZ100652	

Application: Recommended Fastener:

Fastening predrilled board and fibre cement sheeting to metal where a self embedding head is required.

Linings
Partitions
Paneling
Fascia soffit panels

Countersunk Rib Head



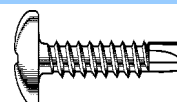
Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18x20	Zn	1000	SMRCZ080202	No. 2
	8-18x30	Zn	1000	SMRCZ080302	

Application: Recommended Fastener:

General fastenings to metal.

Brackets
Electrical equipment
Panel work
Light gauge sheeting

Pan Head



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
6g	6-20x12	Zn	1000	SMPCZ060122	No.2
8g	8-18x12	Zn	1000	SMPCZ080122	
	8-18x16	Zn	1000	SMPCZ080162	
	8-18x22	Zn	1000	SMPCZ080222	

Application: Recommended Fastener:

General fastenings of board materials to metal where recessed head is required.

Fascias
Paneling
Lining boards

Self Embedding Head (Flower Head)



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18x20	Zn	1000	SMECZ080202	No 2
	8-18x30	Zn	1000	SMECZ080302	
10g	10-24x25	Zn	1000	SMECZ100252	



Fastening To Metal

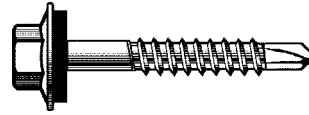
Application:

Recommended Fastener:

Fastening roofing profiles to steel purlins where water tight fixing is required.

Roofing
Car ports
Shed building
Cladding

Hexagon Head With Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver	
8g	8-18x12	CL3+, W	1000	SMHC3080121	1/4	
10g	10-16x16	CL3+, W	1000	SMHC3100161		
		CL4+, W	1000	SMHC4100161		
	10-24x16	CL3+, W	1000	SMHF3100161		
	10-16x25	CL3+, W	1000	SMHC3100251		
12g	12-14x20	CL3+, W	1000	SMHC3120201	5/16	
		CL4+, W	1000	SMHC4120201		
	12-24x20	CL3+, W	1000	SMHF3120201		
	12-24x30	CL3+, W	1000	SMHC3120301		
	12-14x35	CL3+, W	1000	SMHC3120351		
	12-14x45	CL3+,W,SP	1000	SMHC3120451		
	12-14x55	CL3+,W,SP	1000	SMHC3120551		
	12-14x65	CL3+,W,SP	1000	SMHC3120651		
		CL4+,W,SP	1000	SMHC4120651		
	12-14x75	CL3+,W,SP	500	SMHC3120751		
14g	14-10x20	CL3+, W	2000	SMHC3140201		
		CL4+, W	2000	SMHC4140201		
	14-20x22	CL3+, W	2000	SMHC3140221		
		CL4+, W	2000	SMHC4140221		
	14-10x42	CL3+,W,SP	1000	SMHC3140421		
		CL4+,W,SP	1000	SMHC4140421		
	14-10x50	CL3+,W,SP	1000	SMHC3140501		
		CL4+,W,SP	1000	SMHC4140501		
	14-10x65	CL3+,W,SP	1000	SMHC3140651		3/8
		CL4+,W,SP	1000	SMHC4140651		
	14-10x75	CL3+,W,SP	500	SMHC3140751		
		CL4+,W,SP	250	SMHC4140751		
14-10x90	CL3+,W,SP	500	SMHC3140901			
14-10x95	CL4+,W,SP	250	SMHC4140951			
14-20x115	CL4+,W,SP	250	SMHC4141151			
14-20x135	CL4+,W,SP	250	SMHC4141351			
14-20x150	CL4+,W,SP	250	SMHC4141501			



W Covered by the Bremick Warranty
 Zn Zinc Yellow
 CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
 CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
 TG Top Grip
 SP Shank Protector

Colours

Full range of painted heads available for these products



Fastening To Metal

Application:

Fastening roofing profiles to steel purlins for high performance, water tight crest fastening.
Roofing
Car ports
Shed building

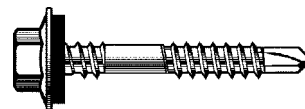


Colours

Full range of painted heads available for these products

Recommended Fastener:

Top Grip™ Hexagon Washer Head With Seal



Product Range

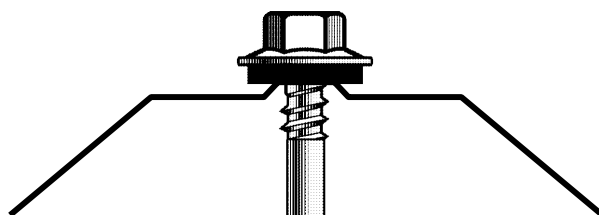
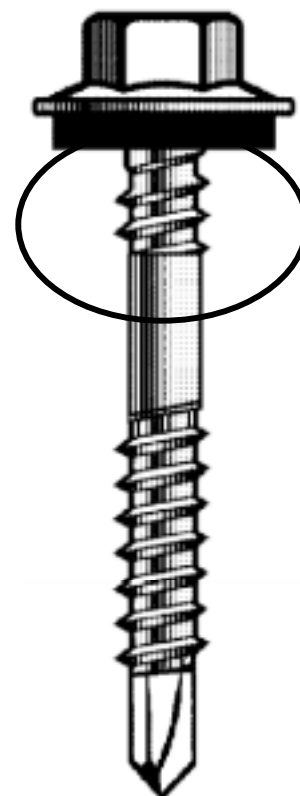
Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-14x35	CL3+,TG,W	1000	SMHT3120351	5/16
		CL4+,TG,W	1000	SMHT4120351	
	12-14x45	CL3+,TG,W,SP	1000	SMHT3120451	
		CL4+,TG,W,SP	1000	SMHT4120451	
	12-14x55	CL3+,TG,W,SP	1000	SMHT3120551	
		CL4+,TG,W,SP	1000	SMHT4120551	
12-14x68	CL3+,TG,W,SP	1000	SMHT3120681		
	CL4+,TG,W,SP	1000	SMHT4120681		

Top Grip™

Top Grip™ roofing screws feature a secondary shank thread at under the washer head. During installation the Top Grip thread grips the roofing sheet and reverses the indent in the sheet caused by initial piercing which reduces localised water ponding. The Top Grip™ thread also maintains sealing pressure between the roofing sheet and the sealing washer which results in improved sealing performance. In addition the the Top Grip™ thread supports the roofing sheet preventing distortion when subjected to pedestrian traffic.

Benefits

- Improved sealing
- Reduces localised water ponding.
- Helps to prevent over driving
- Grips roofing sheet
- Resists distortion of sheeting when trafficked.
- Provides higher quality fastening.

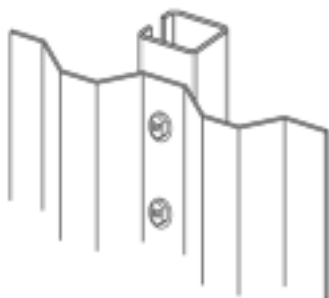




Fastening To Metal

Application:

Fastening metal to metal
Fencing
Signs
Partitions
Racking
Cool room panels



Recommended Fastener:

Hexagonal Washer Head Without Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hex Socket Driver
8g	8-18x12	Zn	1000	SMHCZ080122	1/4
		CL3+, W	1000	SMHC3080122	
10g	10-16x16	Zn	1000	SMHCZ100162	5/16
		CL3+, W	1000	SMHC3100162	
		CL4+, W	1000	SMHC4100162	
	10-24x16	Zn	1000	SMHFZ100162	
		CL3+, W	1000	SMHF3100162	
	10-16x25	CL3+, W	1000	SMHC3100252	
10-24x25	Zn	1000	SMHCZ100252		
12g	12-14x20	Zn	500	SMHCZ120202	5/16
		CL3+, W	1000	SMHC3120202	
		CL4+, W	1000	SMHC4120202	
	12-24x20	Zn	1000	SMHFZ120202	
		CL3+, W	1000	SMHF3120202	
	12-24x25	Zn	1000	SMHFZ120252	
	12-24x30	CL3+, W	1000	SMHC3120302	
	12-14x35	Zn	1000	SMHCZ120352	
		CL3+, W	1000	SMHC3120352	
	12-14x45	Zn, SP	1000	SMHCZ120452	
		CL3+,W,SP	1000	SMHC3120452	
	12-14x55	CL3+,W,SP	1000	SMHC3120552	
12-14x65	CL3+,W,SP	1000	SMHC3120652		
	CL4+,W,SP	1000	SMHC4120652		
12-14x75	CL3+,W,SP	500	SMHC3120752		
14g	14-10x20	Zn	2000	SMHCZ140202	3/8
		CL3+, W	2000	SMHC3140202	
		CL4+, W	2000	SMHC4140202	
	14-20x22	Zn	2000	SMHCZ140222	
		CL3+, W	2000	SMHC3140222	
	14-10x42	CL4+, W	2000	SMHC4140222	
		CL3+,W,SP	1000	SMHC3140422	
	14-10x42	CL4+,W,SP	1000	SMHC4140422	
		CL3+,W,SP	1000	SMHC3140502	
	14-10x50	CL4+,W,SP	1000	SMHC4140502	
		CL3+,W,SP	1000	SMHC3140652	
	14-10x65	CL3+,W,SP	500	SMHC3140752	
14-10x75	CL4+,W,SP	250	SMHC4140752		
	CL3+,W,SP	500	SMHC3140902		
14-10x95	CL4+,W,SP	250	SMHC4140952		
14-20x115	CL4+,W,SP	250	SMHC4141152		
14-20x135	CL4+,W,SP	250	SMHC4141352		
14-20x150	CL4+,W,SP	250	SMHC4141502		

Colours

Full range of painted heads available for these products

W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector

For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Fastening Timber, Fibre Cement and Boards To Metal

Application:

Recommended Fastener:

Fastening timber & composite boards to metal up to 6.4mm thick with out the need to pre-drill.

Container floors
Truck floors
Decking
Board partitions
Fencing



Countersunk Rib Head – Wing Driller



Product Range

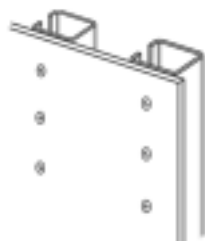
Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver	
6g	6-20x50	Zn	500	SWRCZ060502	No. 2	
	10g	10-16x35	Zn	500		SWRCZ100352
		10-16x45	Zn	500		SWRCZ100452
		10-16x45	CL3+, W	500		SWRC3100452
		10-16x50	Zn	500		SWRCZ100502
		10-16x55	Zn	1000		SWRCZ100552
		10-16x55	CL3+, W	1000		SWRC3100552
		10-16x70	Zn	500		SWRCZ100702
		10-16x75	Zn	1000		SWRCZ100752
		10-16x75	CL3+, W	1000		SWRC3100752
14g	14-20x50*	Zn	1000	SWKCZ140502*	No. 3	

Application:

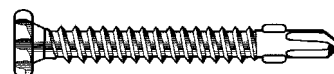
Recommended Fastener:

Fastening composite boards and timber to metal up to 4.5mm thick where flush finish and no pre-drilling is required

Lining boards
Fascias
Plywood
Decking
Fencing



Self Embedding (Flower Head) – Wing Driller



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18x35	Zn	1000	SWECZ080352	No. 2
	8-18x40	Zn	1000	SWECZ080402	
10g	10-24x30	Zn	1000	SWECZ100302	
	10-16x40	Zn	1000	SWECZ100402	

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



Fastening To Steel up to 12.5mm Thick

Application:

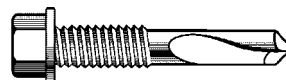
Fastening to metal between 4.5 – 12.5 mm thick.

Fire protection
Pipe saddles
Conduit clips
Signs
Steel formwork



Recommended Fastener:

Hexagon Washer Head - Deep Driller



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-24x32	CL3+, W	500	S5HC3120322	5/16
	12-24x50	CL3+, W	1000	S5HC3120502	
	12-24x65	CL3+, W	1000	S5HC3120652	

Application:

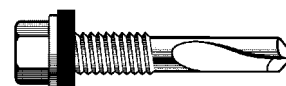
Fastening to metal between 4.5 – 12.5 mm thick where water tight seal is required.

Roofing
Cladding
Signs
Steel formwork



Recommended Fastener:

Hexagon Washer Head - Deep Driller with Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-24x32	CL3+, W	500	S5HC3120321	5/16
	12-24x50	CL3+, W	1000	S5HC3120501	
	12-24x65	CL3+, W	1000	S5HC3120651	

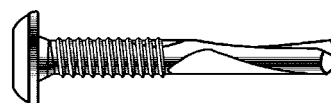
Application:

Fastening to metal between 4.5 – 12.5 mm thick where a low profile head is required.

Decking clips
Brackets
Pipe saddles
Conduit clips
Signs
Steel formwork

Recommended Fastener:

Wafer Washer Head - Deep Driller



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hex. Bit Driver
12g	12-24x32	CL3+, W	500	S5WC3120322	No. 3

W Covered by the Bremick Warranty

Zn Zinc Yellow

CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat

CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4

TG Top Grip

SP Shank Protector

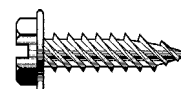


Joining Light Gauge Steel Sheeting – Stitch Screws

Application: Recommended Fastener:

Joining unsupported overlaps of roofing and cladding profiles and light gauge metal sheeting.
Roofing laps
Cladding laps
Air conditioning
Sheet metal joints

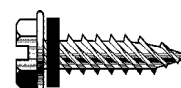
Hexagonal Slotted Needle Point- Without Seal



Product Range

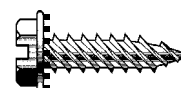
Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
8g	8-15x15	CL3+, W	1000	SNSC3080152	1/4

Hexagonal Slotted Needle Point- With Seal



Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
8g	8-15x15	CL3+, W	1000	SNSC3080151	1/4

Hexagonal Slotted Needle Point- Serrated Under Head



Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
8g	8-15x15	CL3+, W	1000	SNXC3080152	1/4

Hexagonal Head Needle Point- Without Seal



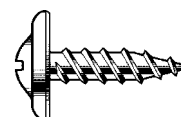
Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
10g	10-12x20	CL3+, W	1000	SNHC3100201	5/16

Hexagonal Head Needle Point- With Seal



Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
10g	10-12x20	CL3+, W	1000	SNHC3100202	5/16

Button Head – Needle Point



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-15x12	Zn	1000	SNBCZ080122	No.2
	8-15x15	Zn	1000	SNBCZ080152	
	8-15x20	Zn	1000	SNBCZ080202	
	8-15x25	Zn	1000	SNBCZ080252	
	8-12x30	Zn	1000	SNBCZ080302	

W Covered by the Bremick Warranty

Zn Zinc Yellow

CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat

CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4

TG Top Grip

SP Shank Protector

Colours

Full range of painted heads available for these products

For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Joining Light Gauge Steel Sheeting – Stitch Screws

Application:

Joining unsupported overlaps of roofing and cladding profiles and light gauge metal sheeting.
 Roofing laps
 Cladding laps
 Air conditioning
 Sheet metal joints

Recommended Fastener:

Hexagonal Washer Head - Without Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
10g	10-16x16	Zn	1000	SMHCZ100162	5/16
		CL3+, W	1000	SMHC3100162	
		CL4+, W	1000	SMHC4100162	

Hexagonal Washer Head – With Seal



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
10g	10-16x16	CL3+, W	1000	SMHC3100161	5/16
		CL4+, W	1000	SMHC4100161	

W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector

Colours

Full range of painted heads available for these products



Fastening Metal Roofing Profiles to 0.55mm Metal Battens

Application:

Fastening roofing profiles to lightweight metal battens.
Roofing
Cladding

Recommended Fastener:

Hexagonal Washer Head - With Seal



12g



14g

Product Range



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12 - 14 x 42	CL3+,W,SP	1000	SHBT3120421	5/16
		CL4+,W,SP	1000	SHBT4120421	
	12 - 14 x 55	CL3+,W,SP	1000	SHBT3120551	
		CL4+,W,SP	1000	SHBT4120551	
14g	14 - 14 x 55	CL3+,W	1000	SHBC3140551	3/8
		CL4+,W	1000	SHBC4140551	

Application:

Fastening roofing profiles to 0.55mm steel battens in cyclonic & high wind zones.
Roofing

Recommended Fastener:

Hexagonal Washer Head - With Bremick Roofing Assembly BRA – Cyclone Assembly



Product Range


Suitable for use with roofing profiles:

Trimdek
Custom Orb

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14 - 14 x 55	CL3+,W	250	SHBC314055D	3/8
	14 - 14 x 55	CL4+, W	250	SHBC414055D	

Colours

Full range of painted heads available for these products




The most Innovative Cyclone Fastener

Bremick Roofing Assembly

- Suitable for most common roofing profiles.
- Effective even if not drilled in dead straight.
- Unique shock absorbing feature allows roofing to move while remaining watertight.
- Self aligning for faster installation.
- Complies with AS3566
- Tested to BHP TR440
- Approved by James Cook University Cyclone Testing Station.

Fully watertight with 4 sealing points



Proven in the most extreme conditions

Custom Orb[®], Trimdek[®], Spandek[®], and Kliplok[®] are registered trademarks of BHP Steel Limited



For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777

Fastening Metal Roofing Profiles to Metal Battens 1.2 to 4.0mm

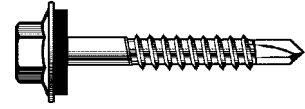


Application:

Recommended Fastener:

Fastening roofing profiles to metal battens.
Roofing

Hexagonal Washer Head - With Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
8g	8-18x12	CL3+, W	1000	SMHC3080121	1/4
		CL4+, W	1000	SMHC4100161	
10g	10-16x16	CL3+, W	1000	SMHC3100161	5/16
		CL4+, W	1000	SMHC4100161	
	10-24x16	CL3+, W	1000	SMHF3100161	
	10-16x25	CL3+, W	1000	SMHC3100251	
12g	12-14x20	CL3+, W	1000	SMHC3120201	3/8
		CL4+, W	1000	SMHC4120201	
	12-24x20	CL3+, W	1000	SMHF3120201	
	12-24x30	CL3+, W	1000	SMHC3120301	
	12-14x35	CL3+, W	1000	SMHC3120351	
	12-14x45	CL3+,W,SP	1000	SMHC3120451	
	12-14x55	CL3+,W,SP	1000	SMHC3120551	
	12-14x65	CL3+,W,SP	1000	SMHC3120651	
	CL4+,W,SP	1000	SMHC4120651		
14g	12-14x75	CL3+,W,SP	500	SMHC3120751	3/8
		CL4+,W,SP	500	SMHC4120751	
	14-10x20	CL3+, W	2000	SMHC3140201	
		CL4+, W	2000	SMHC4140201	
	14-20x22	CL3+, W	2000	SMHC3140221	
		CL4+, W	2000	SMHC4140221	
	14-10x42	CL3+,W,SP	1000	SMHC3140421	
		CL4+,W,SP	1000	SMHC4140421	
	14-10x50	CL3+,W,SP	1000	SMHC3140501	
		CL4+,W,SP	1000	SMHC4140501	
	14-10x65	CL3+,W,SP	1000	SMHC3140651	
		CL4+,W,SP	1000	SMHC4140651	
14-10x75	CL3+,W,SP	500	SMHC3140751		
	CL4+,W,SP	250	SMHC4140751		
14-10x90	CL3+,W,SP	500	SMHC3140901		
14-10x95	CL4+,W,SP	250	SMHC4140951		
14-20x115	CL4+,W,SP	250	SMHC4141151		
14-20x135	CL4+,W,SP	250	SMHC4141351		
14-20x150	CL4+,W,SP	250	SMHC4141501		



Colours

Full range of painted heads available for these products

W Covered by the Bremick Warranty

Zn Zinc Yellow

CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat

CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4

TG Top Grip

SP Shank Protector



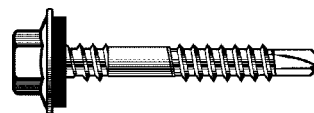
Fastening Metal Roofing Profiles to Metal Battens 1.2 to 4.0mm

Application:

Recommended Fastener:

Fastening roofing profiles to steel purlins for high performance, water tight crest fastening. Roofing

Top Grip™ Hexagon Washer Head With Seal




Product Range



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-14x35	CL3+,TG,W	1000	SMHT3120351	5/16
		CL4+,TG,W	1000	SMHT4120351	
	12-14x45	CL3+,TG,W,SP	1000	SMHT3120451	
		CL4+,TG,W,SP	1000	SMHT4120451	
	12-14x55	CL3+,TG,W,SP	1000	SMHT3120551	
		CL4+,TG,W,SP	1000	SMHT4120551	
	12-14x68	CL3+,TG,W,SP	1000	SMHT3120681	
		CL4+,TG,W,SP	1000	SMHT4120681	

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector


Colours
Full range of painted heads available for these products



The most Innovative Cyclone Fastener

Bremick Roofing Assembly

Fully watertight with 4 sealing points



- Suitable for most common roofing profiles.
- Effective even if not drilled in dead straight.
- Unique shock absorbing feature allows roofing to move while remaining watertight.
- Self aligning for faster installation.
- Complies with AS3566
- Tested to BHP TR440
- Approved by James Cook University Cyclone Testing Station.

Proven in the most extreme conditions



Bremick Roofing Assembly - BRA

Exclusive Features
4 Sealing Points
for improved protection

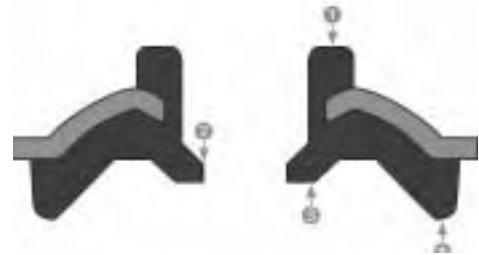
Exclusive
sealing
washer



Shank
Protector

Armourcoat[®]
CL3 and CL4

Superior Drilling
Performance



Suitable for most common
roofing profiles.

Tested by BHP to TR440.

Fully compliant with AS3566

Approved by James Cook
University Cyclone Testing
Station.

Effective even if not drilled in
dead straight.

Self aligning for faster
installation and efficient sealing.

Head marked for tracability.

Fully supported by Bremick
Warranty.

Available in full colour pallet



Fastening Metal Roofing Profiles to Metal Battens 1.2 to 4.0mm

Application:

Fastening roofing profiles to 0.75mm metal battens in cyclonic and high wind zones. Roofing

Recommended Fastener:

BRA – Cyclone Assembly – All Profiles
Bremick Roofing Assembly



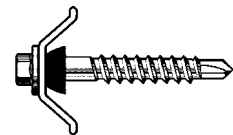
Bremick BRA Suitable for most common profiles

Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50	CL3+,W,SP	250	SMHC314050D	3/8
		CL4+,W,SP	250	SMHC414050D	



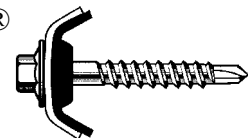
Cyclone Assembly – Custom Orb®



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x42	CL3+,W,SP	500	SMHC314042C	3/8



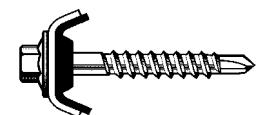
Cyclone Assembly – Trimdek® Spandek®



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50	CL3+,W,SP	250	SMHC314050T	3/8



Cyclone Assembly – Kliplik®



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x65	CL3+,W,SP	250	SMHC314065K	3/8

Colours

Full range of painted heads available for these products

W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector

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For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777

Fastening Metal Roofing Profiles to Metal Battens 1.2 to 4.0mm



Application: Recommended Fastener:

Fastening roofing ridge profiles to metal battens. **Hexagon Head Washer with Aluminum/EPDM Dekfast Washer Ridge Assembly – 16mm Washer**
Roofing



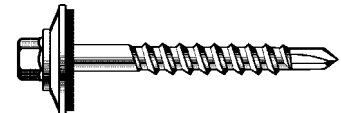
Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	*14-10x42	CL3+,W,SP	1000	SMHC3140424	3/8
	*14-10x50	CL3+,W,SP	1000	SMHC3140504	

Hexagon Head Washer with Aluminum/EPDM Dekfast Washer Ridge Assembly – 19mm Washer



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	*14-10x42	CL4+,W,SP	1000	SMHC3140425	3/8
	*14-10x50	CL4+,W,SP	500	SMHC3140505	

Hexagon Head Washer with Aluminum/EPDM Dekfast Washer Ridge Assembly – 25mm Washer



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	*14-10x42	CL3+,W,SP	500	SMHC3140426	3/8
		CL4+,W,SP	500	SMHC4140426	
	*14-10x50	CL3+,W,SP	500	SMHC3140506	
		CL4+,W,SP	500	SMHC4140506	
	14-10x65	CL3+,W,SP	500	SMHC3140656	
		CL4+,W,SP	500	SMHC4140656	

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector

Colours
Full range of painted heads available for these products



Fastening to Timber

Type 17 – Screw Selection

The prime function of a Type 17 Screw is for Fastening into Timber.

The type 17 Point is also capable of piercing steel of thickness up to 0.75mm.

The dual functionality of the Type 17 drill point has lead to it`s wide acceptance for fastening steel roofing profiles to timber battens in addition to the prime function, fastening into timber.

Applications

Fastening into Timber

Timber to Timber connections.

Fastening Thin Metal Sheets to Timber

Fastening Steel Roofing Profiles to Timber Battens

Fastening roofing profiles to Metal Battens



When selecting the appropriate fastener the following criteria must be taken in to consideration

Head Style

Select the appropriate head style for the intended application.

Shank Style

Select the appropriate shank style for the application.

E.g.. Plain shank, Shank Protector TM, or Top Grip TM

Length

To ensure optimum clamping force and maximum holding power the selected screw must have a minimum of *hs (min)* screwing depth into the timber base material.

Screw Length mm

$$l = t \text{ fix} + hs$$

Where: *l* = Screw length, *t fix* = thickness of fastened component, *hs* = screwing depth

Corrosion Protection

Select the appropriate level of corrosion protection for the intended environment.

Fastening to Timber

Type 17 – Screw Selection

Calculation of Screw Length

In order to achieve the specified pull out loads minimum screwing depths must be attained

Screw Length (mm)

$$l = t_{fix} + h_s$$

Where:

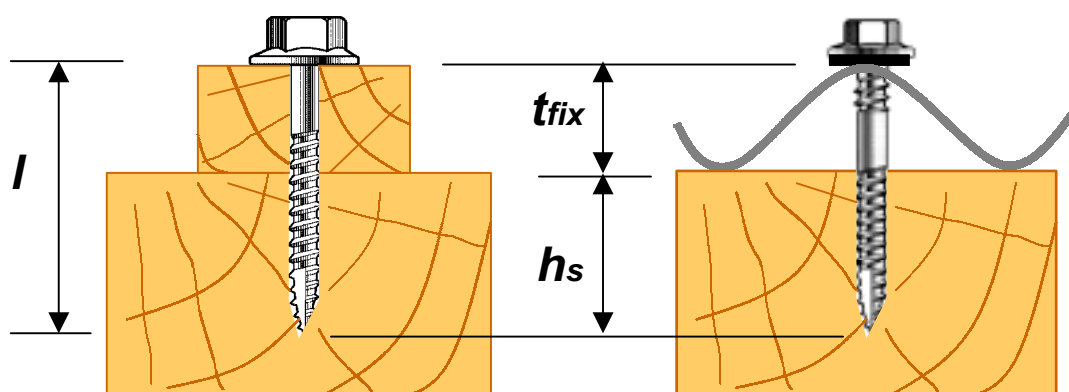
l = Screw length

t_{fix} = Thickness of fastened component

h_s = Screwing depth

Minimum Screwing Depths - h_s (min)

Gauge	h_s (min)	Exceptions
4g	10mm	
6g	16mm	
8g	18mm	
10g	25mm	10g x 25 = 23mm
12g	30mm	12g x 20 = 18mm 12g x 25 = 23mm
14g	35mm	14g x 25 = 23mm



Timber to Timber

Roofing Sheet to Timber



Fastening to Timber

Type 17 – Installation Instructions

Select the appropriate Driver for the selected Screw

Head Type	Driver
Wafer Hd. 8+10g	Phillips Bit #2
Pan Hd. 6+8g	Phillips Bit #2
CSK Hd. 6,8+10g	Phillips Bit #2
CSK Rib Hd	Phillips Bit #2
Chipboard 8+10g	Phillips Bit #2
Bugle Hd	Phillips Bit #2
Hex. Washer Hd 8g	1/4" Hex. Socket
Hex. Washer Hd 10+12g	5/16" Hex. Socket
Hex. Washer Hd 14g	3/8" Hex. Socket



Phillips #2 Bit



Hex Socket

Fit the Driver to a Power Screw Driver set to “Low speed” 1000 to 1500 rpm for timber.
(When fastening steel roofing sheets to timber 2000 to 2500 rpm).

Place the point of the screw at the fastening location.

Apply firm pressure to create a start point.

Activate the power screw driver trigger and maintain firm pressure until the screw is seated.
(When fastening steel roofing sheets, after piercing sheeting ease back on the trigger to 1000 to 1500 rpm).



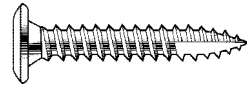
Fastening to Timber

Application:

General fastening to timber.
Metal deck clips
Pipe saddles
Conduit clips
Signage

Recommended Fastener:

Wafer Head – Type 17



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
10g	10-12x25	Zn	1000	STWCZ100252	No. 2
		CL3+, W	1000	STWC3100252	
	10-12x35	Zn	1000	STWCZ100352	
		CL3+, W	1000	STWC3100352	
	10-12x45	Zn	2000	STWCZ100452	
		CL3+, W	2000	STWC3100452	

Application:

General fastening to timber.
Brackets
Pipe saddles
Conduit clips
Signage

Recommended Fastener:

Pan Head – Type 17



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-15x20	Zn	1000	STPCZ080202	No.2
	8-15x25	Zn	1000	STPCZ080252	



Application:

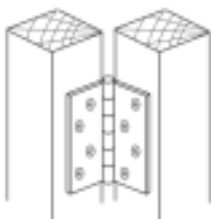
General fastening to timber where a flush finish is required.
Hinges
Furniture
Brackets

Recommended Fastener:

Countersunk Head – Type 17



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver	
6g	6-18x25	Zn	1000	STKCZ060252	No. 2	
		CL3+, W	1000	STKC3060252		
8g	8-15x20	Zn	1000	STKCZ080202		
		CL3+, W	1000	STKC3080202		
10g	10-12x30	Zn	1000	STKCZ100302		
		CL3+, W	1000	STKC3100302		
		10-12x40	Zn	1000		STKCZ100402
			CL3+, W	1000		STKC3100402
			10-12x50	Zn	500	STKCZ100502
CL3+, W	500	STKC3100502				
10-12x75	Zn	1000	STKCZ100752			
	CL3+, W	1000	STKC3100752			



W Covered by the Bremick Warranty
 Zn Zinc Yellow
 CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
 CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
 TG Top Grip
 SP Shank Protector



Fastening to Timber

Application: Recommended Fastener:

General fastening to timber where a flush finish is required with out the need to countersink.
Furniture
Paneling



Countersunk Rib Head – Type 17 Self Embedding Head



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-18X30	Zn	1000	STRCZ080302	No. 2
	8-18X40	Zn	1000	STRCZ080402	
10g	10-12X45	Zn	500	STRCZ100452	

Application: Recommended Fastener:

Fastening cement sheeting to timber where a flush finish is required with out the need to countersink.
Dry linings
Paneling



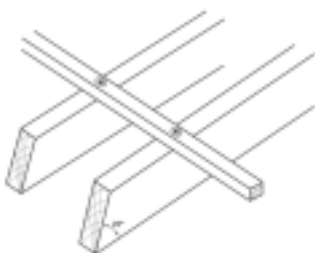
Cement Sheeting Screw Self Embedding Head



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-15x20	Zn	1000	SVICZ080202	No. 2
	8-15X30	Zn	1000	SVICZ080302	

Application: Recommended Fastener:

Fastening roofing battens to timber rafters and fastening heavy timbers where flush finish is required.
Roofing
Fencing
Furniture
Boardwalks



Bugle Batten – Type 17



Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
14g	14-10X50	Zn	1000	SBBCZ140502	5mm
		CL3+, W	1000	SBBC3140502	
	14-10x75	Zn	500	SBBCZ140752	
		CL3+, W	500	SBBC3140752	
14-10x100	Zn	500	SBBCZ141002		
	CL3+, W	500	SBBC3141002		

Also available in 300 Series Stainless Steel

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



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Fastening to Timber

Application: Recommended Fastener:

General fastening of timber to timber.

Furniture
Floor Boards
Paneling
Carpentry

Chipboard Screw



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-9x20	Zn	1000	SCHCZ080202	No. 2
	8-10x25	Zn	1000	SCHCZ080252	
		CL3+, W	1000	SCHC3080252	
	8-10x28	Zn	1000	SCHCZ080282	
	8-10x32	Zn	1000	SCHCZ080322	
		CL3+, W	1000	SCHC3080322	
	8-10x35	Zn	1000	SCHCZ080352	
		CL3+, W	1000	SCHC3080352	
	8-10x40	Zn	1000	SCHCZ080402	
		CL3+, W	1000	SCHC3080402	
	8-10x45	Zn	1000	SCHCZ080452	
		CL3+, W	1000	SCHC3080452	
	8-10x50	Zn	1000	SCHCZ080502	
		CL3+, W	1000	SCHC3080502	
8-10x57	Zn	1000	SCHCZ080572		
	CL3+, W	1000	SCHC3080572		
10g	10-8x65	Zn	1000	SCHCZ100652	
		CL3+, W	1000	SCHC3100652	
	10-8x75	Zn	1000	SCHCZ100752	
		CL3+, W	1000	SCHC3100752	
10-8x100	Zn	1000	SCHCZ101002		
	CL3+, W	1000	SCHC3101002		

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



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Fastening to Timber

Application: Recommended Fastener:

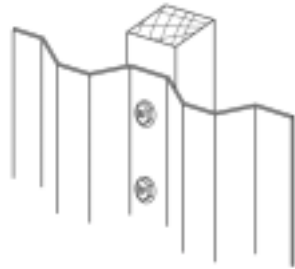
Fastening timber & thin sheeting to timber.
Furniture
Pergolas
Fencing
Cladding

Hexagon Washer Head Type 17 Without Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
8g	8-15x20	CL3+, W	1000	STHC3080202	1/4
	10g	Zn	1000	STHCZ100252	
12g	10-12x25	CL3+, W	1000	STHC3100252	5/16
		Zn	500	STHCZ120202	
	12-11x20	Zn	500	STHCZ120252	
		CL3+, W	500	STHC3120252	
	12-11x25	CL4+, W	1000	STHC4120252	
		CL3+, W	500	STHC3120352	
	12-11x35	CL3+, W	500	STHC3120352	
	12-11x40	Zn	1000	STHCZ120402	
		CL3+, W	1000	STHC3120402	
	12-11x45	Zn,SP	1000	STHCZ120452	
		CL3+, W,SP	1000	STHC3120452	
	12-11x50	CL3+, W,SP	1000	STHC3120502	
		Zn,SP	1000	STHCZ120502	
	12-11x65	Zn,SP	1000	STHCZ120652	
CL3+, W,SP		500	STHC3120652		
14g	14-10x25	Zn	1000	STHCZ140252	3/8
		CL3+, W	2000	STHC3140252	
	14-10x50	CL4+, W	2000	STHC4140252	
		Zn,SP	1000	STHCZ140502	
	14-10x50	CL3+, W,SP	1000	STHC3140502	
		CL4+, W,SP	2000	STHC4140502	
	14-10x65	Zn,SP	1000	STHCZ140652	
		CL3+, W,SP	500	STHC3140652	
	14-10x65	CL4+, W,SP	1000	STHC4140652	
		Zn,SP	500	STHCZ140752	
	14-10x75	CL3+, W,SP	500	STHC3140752	
		CL4+, W,SP	1000	STHC4140752	
	14-10x90	CL3+, W,SP	500	STHC3140902	
		CL4+, W,SP	1000	STHC4140902	
14-10x100	CL3+, W,SP	250	STHC3141002		
	CL4+, W,SP	500	STHC4141002		
14-10x115	CL4+, W,SP	250	STHC4141152		
14-10x125	CL4+, W,SP	250	STHC4141252		
14-10x150	CL3+, W,SP	500	STHC3141502		
	CL4+, W,SP	250	STHC4141502		



Colours

Full range of painted heads available for these products

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Fastening Roofing and Cladding Profiles to Timber Battens

Application:

Recommended Fastener:

Fastening roofing profiles up to 0.75mm thick, to timber battens crest fixing.
Roofing
Cladding

Hexagon Washer Head Type 17 with Seal



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver		
8g	8-15x20	CL3+, W	1000	STHC3080201	1/4		
		CL4+, W	1000	STHC3100251			
	10g	10-12x25	CL3+, W	500		STHC3120251	5/16
			CL4+, W	1000		STHC4120251	
		12-11x35	CL3+, W	500		STHC3120351	
			CL4+, W	1000		STHC3120401	
		12-11x40	CL3+, W	1000		STHC3120451	
			CL4+, W	1000		STHC3120501	
		12-11x45	CL3+, W,SP	500		STHC3120651	
			CL4+, W,SP	500		STHC3120651	
14g	14-10x25	CL3+, W	2000	STHC3140251	3/8		
		CL4+, W	2000	STHC4140251			
	14-10x50	CL3+, W,SP	1000	STHC3140501			
		CL4+, W,SP	2000	STHC4140501			
	14-10x65	CL3+, W,SP	500	STHC3140651			
		CL4+, W,SP	1000	STHC4140651			
	14-10x75	CL3+, W,SP	500	STHC3140751			
		CL4+, W,SP	1000	STHC4140751			
	14-10x90	CL3+, W,SP	500	STHC3140901			
		CL4+, W,SP	1000	STHC4140901			
	14-10x100	CL3+, W,SP	250	STHC3141001			
		CL4+, W,SP	500	STHC4141001			
	14-10x115	CL4+, W,SP	250	STHC4141151			
	14-10x125	CL4+, W,SP	250	STHC4141251			
	14-10x150	CL3+, W,SP	500	STHC3141501			
		CL4+, W,SP	250	STHC4141501			



Colours

Full range of painted heads available for these products

W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector



Fastening Roofing and Cladding Profiles to Timber Battens

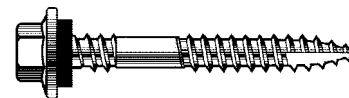
Application:

Recommended Fastener:

Fastening roofing profiles, up to 0.75mm thick, to timber battens, crest fixing for high performance watertight fastening.
Roofing
Cladding

Top Grip™ Hexagon Washer Head - Type 17 with Seal

Product Range



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-11x50	CL3+, W ,TG ,SP	1000	STHT3120501	5/16
		CL4+, W ,TG ,SP	1000	STHT4120501	
	12-11x65	CL3+, W ,TG ,SP	1000	STHT3120651	
		CL4+, W ,TG ,SP	1000	STHT4120651	



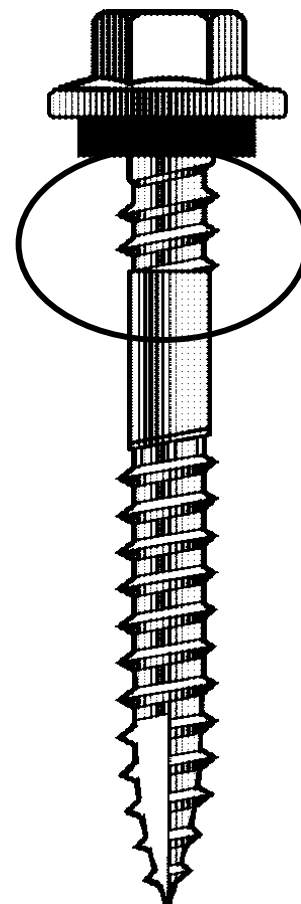
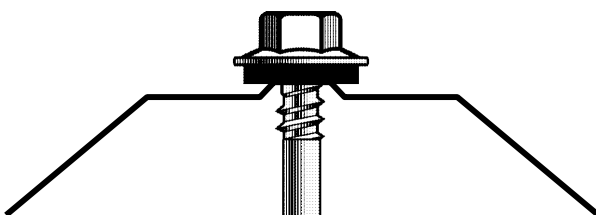
Colours
Full range of painted heads available for these products

Top Grip™

Top Grip™ roofing screws feature a secondary shank thread at the under the washer head. During installation the Top Grip thread grips the roofing sheet and reverses the indent in the sheet caused by initial piercing which reduces localised water ponding. The Top Grip™ thread also maintains sealing pressure between the roofing sheet and the sealing washer which results in improved sealing performance. In addition the the Top Grip™ thread supports the roofing sheet preventing distortion when subjected to pedestrian traffic.

Benefits

- Improved sealing
- Reduces localised water ponding.
- Helps to prevent over driving
- Grips roofing sheet
- Resists distortion of sheeting when trafficked.
- Provides higher quality fastening.



Bremick Roofing Assembly - BRA

**Exclusive
sealing
washer**

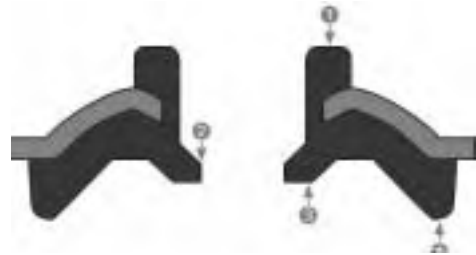
**Armourcoat[®]
CL3 and CL4**

**Shank
Protector**

**Superior Drilling
Performance**



**Exclusive Features
4 Sealing Points
for improved protection**



Suitable for most common roofing profiles.

Tested by BHP to TR440.

Fully compliant with AS3566

Approved by James Cook University Cyclone Testing Station.

Effective even if not drilled in dead straight.

Self aligning for faster installation and efficient sealing.

Head marked for tracability.

Fully supported by Bremick Warranty.

Available in full colour pallet



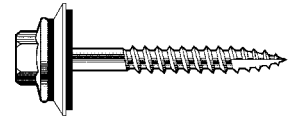
Fastening Roofing Profiles to Timber Battens

Application:

Fastening roofing profiles, up to 0.75mm thick, to timber battens in cyclonic and high wind zones. Roofing
Bremick BRA
Suitable for all profiles

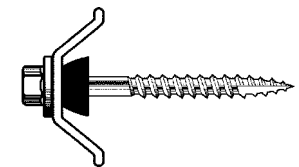
Recommended Fastener:

BRA – Cyclone Assembly – All Profiles
Bremick Roofing Assembly
Product Range



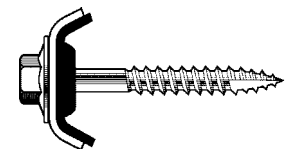
Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50	CL3+, W, SP	250	STHC314050D	3/8
		CL4+, W, SP	250	STHC414050D	
	14-10x65	CL3+, W, SP	250	STHC314065D	
		CL4+, W, SP	250	STHC414065D	

Cyclone Assembly – Custom Orb[®]



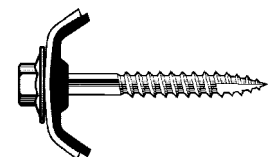
Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50	CL3+, W, SP	250	STHC314050C	3/8
	14-10x65	CL3+, W, SP	250	STHC314065C	

Cyclone Assembly – Trimdek[®] Spandek[®]



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x65	CL3+, W, SP	250	STHC314065T	3/8
	14-10x75	CL3+, W, SP	250	STHC314075T	

Cyclone Assembly – Kliplok[®]



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x75	CL3+, W, SP	500	STHC314075K	3/8

Custom Orb[®], Trimdek[®], Spandek[®], and Kliplok[®] are registered trademarks of BHP Steel Limited

Colours

Full range of painted heads available for these products

W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector



For your nearest Stockist contact:

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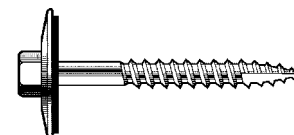
Fastening Roofing Profiles to Timber Battens

Application:

Recommended Fastener:

Fastening roofing ridge profiles, up to 0.75mm thick, to timber battens.
Roofing

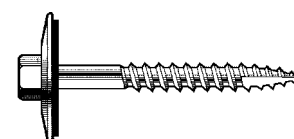
**Hexagon Head Washer with Aluminum/EPDM Dekfast Washer
Type 17 Ridge Assembly – 16mm Washer**



Product Range

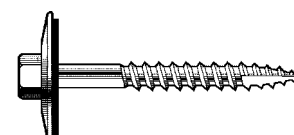
Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50*	CL3+, W,SP	1000	STHC3140504	3/8
	14-10x65*	CL3+, W,SP	1000	STHC3140654	

**Hexagon Head Washer with Aluminum/EPDM Dekfast Washer
Type 17 Ridge Assembly – 19mm Washer**



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50*	CL3+, W,SP	1000	STHC3140505	3/8
	14-10x65*	CL3+, W,SP	1000	STHC3140655	

**Hexagon Head Washer with Aluminum/EPDM Dekfast Washer
Type 17 Ridge Assembly – 25mm Washer**



Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
14g	14-10x50*	CL3+, W,SP	500	STHC3140506	3/8
		CL4+, W,SP	500	STHC4140506	
	14-10x65*	CL3+, W,SP	500	STHC3140656	
		CL4+, W,SP	500	STHC4140656	
	14-10x75	CL3+, W,SP	500	STHC3140756	
		CL4+, W,SP	500	STHC4140756	

W Covered by the Bremick Warranty

Zn Zinc Yellow

CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat

CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4

TG Top Grip

SP Shank Protector

Colours

Full range of painted heads available for these products



For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777

Fastening Metal Roofing Profiles

Fastener Selection Chart

Corrugated Roofing Profiles – Depth of Rib 16 to 20mm

e.g. Custom Orb



Non Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening in High Wind Zones	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	10-16x16 Hex. Washer Hd /Seal Self Drilling for Metal	12-14x42 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	12-14x42 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	10-16x16 Hex.Washer Hd /Seal Self Drilling for Metal	12-14x35 Hex. Washer Hd/seal Topgrip Self Drilling for Metal	14-10x42 Hex. Hd/Seal Self Drilling for Metal	14-10x50 BRA Hex Washer Hd/BRA Self Drilling for Metal
Fastening to Hardwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x50 Hex.Washer Hd /Seal Topgrip Type 17	14-10x65 Hex. Hd/Seal Type 17	14-10x50 BRA Hex Washer Hd/BRA Type 17
Fastening to Softwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x65 Hex.Washer Hd /Seal Topgrip Type 17	14-10x65 Hex. Hd/Seal Type 17	14-10x65BRA Hex Washer Hd/BRA Type 17

Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening Standard Plate	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill (No Standard Plate)	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-10x50 BRA Hex Washer Hd/BRA Self Drilling for Metal	14-10x42 Hex. Hd/Plate/Seal Custom Orb Self Drilling for Metal	14-10x50 BRA Hex Washer Hd/BRA Self Drilling for Metal
Fastening to Hardwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x50 BRA Hex Washer Hd/BRA Type 17	14-10x50 Hex. Hd/Plate/Seal Custom Orb Type 17	14-10x50 BRA Hex Washer Hd/BRA Type 17
Fastening to Softwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x65BRA Hex Washer Hd/BRA Type 17	14-10x65 Hex. Hd/Plate/Seal Custom Orb Type 17	14-10x65BRA Hex Washer Hd/BRA Type 17

The above tables are based upon 50mm of insulation

Colours

Full range of painted heads available for these products

Custom Orb[®], Trimdek[®], Spandek[®], and Kliplok[®] are registered trademarks of BHP Steel Limited

For your nearest Stockist contact:

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Fastening Metal Roofing Profiles

Fastener Selection Chart

Square Rib Roofing Profiles – Depth of Rib 24 to 27mm

e.g. Spandek



Non Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening in High Wind Zones	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	10-16x16 Hex. Washer Hd /Seal Self Drilling for Metal	12-14x55 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	14-14x55 Hex Washer Hd/Seal Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	10-16x16 Hex. Washer Hd /Seal Self Drilling for Metal	12-14x42 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	14-10x50 Hex Washer Hd/Seal Self Drilling for Metal	14-10x50 25mm Ridge Cap Assy Self Drilling for Metal
Fastening to Hardwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x65 Hex Washer Hd/Seal Topgrip Type 17	14-10x65 Hex. Hd/Seal Type 17	14-10x65 25mm Ridge Cap Assy Type 17
Fastening to Softwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x65 Hex Washer Hd/Seal Topgrip Type 17	14-10x75 Hex. Hd/Seal Type 17	14-10x65 25mm Ridge Cap Assy Type 17

Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening Standard Plate	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill (No standard plate)	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-10x50 BRA Hex Washer Hd/BRA Self Drilling for Metal	14-10x50 Hex. Hd/Plate/Seal Trimdek/Spandek Self Drilling for Metal	14-10x50 25mm Ridge Cap Assy Self Drilling for Metal
Fastening to Hardwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x65 BRA Hex Washer Hd/BRA Type 17	14-10x65 Hex. Hd/Plate/Seal Trimdek/Spandek Type 17	14-10x65 25mm Ridge Cap Assy Type 17
Fastening to Softwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x75 BRA Hex Washer Hd/BRA Type 17	14-10x75 Hex. Hd/Plate/Seal Trimdek/Spandek Type 17	14-10x75 25mm Ridge Cap Assy Type 17

The above tables are based upon 50mm of insulation

Colours

Full range of painted heads available for these products

Custom Orb[®], Trimdek[®], Spandek[®], and Kliplik[®] are registered trademarks of BHP Steel Limited



For your nearest Stockist contact:

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Fastening Metal Roofing Profiles

Fastener Selection Chart

Square Rib Broad Sheet Roofing Profiles – Depth of Rib 27 to 30mm e.g. Trimdek



Non Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening in High Wind Zones	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	10-16x16 Hex. Washer Hd /Seal Self Drilling for Metal	12-14x55 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	14-14x55 Hex Washer Hd/Seal Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	12-14x20 Hex. Washer Hd /Seal Self Drilling for Metal	12-14x42 Hex Washer Hd/Seal Topgrip Metal Batten Self Drill	14-10x50 Hex Washer Hd/Seal Self Drilling for Metal	14-10x50 25mm Ridge Cap Assy Self Drilling for Metal
Fastening to Hardwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x65 Hex Washer Hd/Seal Topgrip Type 17	14-10x65 Hex. Hd/Seal Type 17	14-10x65 25mm Ridge Cap Assy Type 17
Fastening to Softwood Timber Battens	12-11x25 Hex.Washer Hd /Seal Type 17	12-11x65 Hex Washer Hd/Seal Topgrip Type 17	14-10x75 Hex. Hd/Seal Type 17	14-10x65 25mm Ridge Cap Assy Type 17

Cyclonic Zones	Valley Fastening	Crest Fastening	Crest Fastening Standard Plate	Ridge Cap Fastening
Fastening to Steel Battens 0.42 & 1.0mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill (No standard plate)	14-14x55 BRA Hex Washer Hd BRA Metal Batten Self Drill
Fastening to Steel Purlins 1.2 to 4.5mm BMT	14-10x20 Hex.Washer Hd /Seal Self Drilling for Metal	14-10x50 BRA Hex Washer Hd/BRA Self Drilling for Metal	14-10x50 Hex. Hd/Plate/Seal Trimdek/Spandek Self Drilling for Metal	14-10x50 25mm Ridge Cap Assy Self Drilling for Metal
Fastening to Hardwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x65 BRA Hex Washer Hd/BRA Type 17	14-10x65 Hex. Hd/Plate/Seal Trimdek/Spandek Type 17	14-10x65 25mm Ridge Cap Assy Type 17
Fastening to Softwood Timber Battens	14-10x25 Hex.Washer Hd /Seal Type 17	14-10x75 BRA Hex Washer Hd/BRA Type 17	14-10x75 Hex. Hd/Plate/Seal Trimdek/Spandek Type 17	14-10x75 25mm Ridge Cap Assy Type 17

The above tables are based upon 50mm of insulation

Colours

Full range of painted heads available for these products

Custom Orb[®], Trimdek[®], Spandek[®], and Kliplik[®] are registered trademarks of BHP Steel Limited



Fastening Treated Timber

Application:

Recommended Fastener:

Fastening Treated Timbers
General Fastenings
Fencing
Trellis
Outdoor furniture

Countersunk Rib Head – Needle Point Chip Board Screw



Product Range

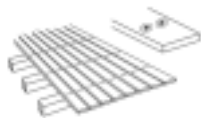
Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-10x25	CL3+, W	1000	SCHC3080252	No. 2
	8-10x32	CL3+, W	1000	SCHC3080322	
	8-10x35	CL3+, W	1000	SCHC3080352	
	8-10x40	CL3+, W	1000	SCHC3080402	
	8-10x45	CL3+, W	1000	SCHC3080452	
	8-10x50	CL3+, W	1000	SCHC3080502	
	8-10x57	CL3+, W	1000	SCHC3080572	
10g	10-8x65	CL3+, W	1000	SCHC3100652	
	10-8x75	CL3+, W	1000	SCHC3100752	
	10-8x100	CL3+, W	1000	SCHC3101002	

Application:

Recommended Fastener:

Heavy Duty Fastening
Fencing
Boardwalks
Gates
Pergolas

Bugle Batten – Type 17



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hex Bit Driver
14g	14-10x50	CL3+, W	1000	SBBC3140502	5mm
	14-10x75	CL3+, W	500	SBBC3140752	
	14-10x100	CL3+, W	500	SBBC3141002	

Application:

Recommended Fastener:

Heavy Duty Fastening in highly corrosive environments

Bugle Batten – Type 17 Stainless Steel – Series 300



Fencing
Boardwalks
Gates
Pergolas

Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-11x50	SS	1000	STHC5120502	5/16
14g	14-10x25	SS	500	STHC5140252	3/8
	14-10x50	SS	1000	STHC5140502	
	14-10x65	SS	1000	STHC5140652	
	14-10x75	SS	500	STHC5140752	
	14-10x90	SS	500	STHC5140902	

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



For your nearest Stockist contact:
Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Fastening Treated Timber

Application: Recommended Fastener:

Fastening Treated Timbers to metal up to 4.5mm thick.
General Fastenings
Fencing
Floors
Outdoor furniture

Countersunk Rib Head – wing Driller



Product Range



Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
10g	10-16x45	CL3+, W	500	SWRC3100452	No. 2
	10-16x55	CL3+, W	1000	SWRC3100552	
	10-16x75	CL3+, W	1000	SWRC3100752	

Not recommended for treated pine decking

- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector




The most Innovative Cyclone Fastener

Bremick Roofing Assembly

- Suitable for most common roofing profiles.
- Effective even if not drilled in dead straight.
- Unique shock absorbing feature allows roofing to move while remaining watertight.
- Self aligning for faster installation.
- Complies with AS3566
- Tested to BHP TR440
- Approved by James Cook University Cyclone Testing Station.

Fully watertight with 4 sealing points



Proven in the most extreme conditions



Fastening Chipboard

Application:

Recommended Fastener:

Fastening Chipboard.
Furniture
Floors
Partitions
Carpentry

Countersunk Rib Head – Needle Point Chip Board Screw



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
8g	8-9x20	Zn	1000	SCHCZ080202	No. 2
	8-10x25	Zn	1000	SCHCZ080252	
		CL3+, W	1000	SCHC3080252	
	8-10x28	Zn	1000	SCHCZ080282	
	8-10x32	Zn	1000	SCHCZ080322	
		CL3+, W	1000	SCHC3080322	
	8-10x35	Zn	1000	SCHCZ080352	
		CL3+, W	1000	SCHC3080352	
	8-10x40	Zn	1000	SCHCZ080402	
		CL3+, W	1000	SCHC3080402	
	8-10x45	Zn	1000	SCHCZ080452	
		CL3+, W	1000	SCHC3080452	
8-10x50	Zn	1000	SCHCZ080502		
	CL3+, W	1000	SCHC3080502		
8-10x57	Zn	1000	SCHCZ080572		
	CL3+, W	1000	SCHC3080572		
10g	10-8x65	Zn	1000	SCHCZ100652	
		CL3+, W	1000	SCHC3100652	
	10-8x75	Zn	1000	SCHCZ100752	
		CL3+, W	1000	SCHC3100752	
10-8x100	Zn	1000	SCHCZ101002		
	CL3+, W	1000	SCHC3101002		

W Covered by the Bremick Warranty
 Zn Zinc Yellow
 CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
 CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
 TG Top Grip
 SP Shank Protector



Fastening Plasterboard

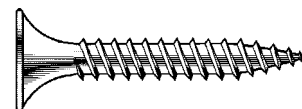
Application:

Recommended Fastener:

Fastening plasterboard to timber and thin steel up to 0.6mm thick.

Drywalls
Ceilings
Partitions

Bugle Head – Needle Point Drywall Screw



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
6g	6-9x25	Zn	1000	SDYRZ060252	No. 2
	6-9x30	Zn	1000	SDYRZ060302	
	6-9x45	Zn	1000	SDYRZ060452	
	6-18x25	Zn	1000	SDYRZ060252	
	6-18x25	Zn	11000	SDYRZ06025B	
	6-18x30	Zn	1000	SDYRZ060302	
	6-18x40	Zn	1000	SDYRZ060402	
	6-18x45	Zn	1000	SDYRZ060452	
7g	7-16x50	Zn	1000	SDYRZ070502	
8g	8-15x60	Zn	1000	SDYRZ080602	
	8-15x65	Zn	1000	SDYRZ080652	
	8-15x75	Zn	1000	SDYRZ080752	



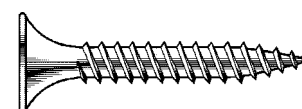
Application:

Recommended Fastener:

Fastening plasterboard in fire rated walls.

Drywalls
Ceilings
Partitions

Bugle Head – Needle Point Laminating Screw



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
10g	10-8X38	Zn	1000	SDYRZ100382	No. 2

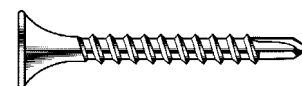
Application:

Recommended Fastener:

Fastening plasterboard to metal 0.8 to 2.5mm thick.

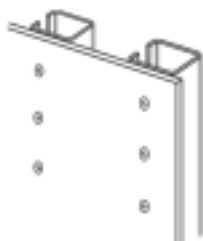
Drywalls
Ceilings
Partitions

Bugle Head – Self Drilling for Metal Drywall Screw



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Phillips Driver
6g	6-18X25	Zn	1000	SMUCZ060252	No.2
	6-18X30	Zn	1000	SMUCZ060302	
	6-18X45	Zn	1000	SMUCZ060452	



W	Covered by the Bremick Warranty
Zn	Zinc Yellow
CL3+	Corrosion protection to AS3566 Class 3 -Armourcoat
CL4+	Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
TG	Top Grip
SP	Shank Protector

For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777

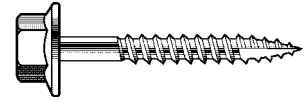


Stainless Steel Screws

Application: Recommended Fastener:

Fastening to timber in highly corrosive environments.
Fencing
Roofing
Cladding
Outdoor furniture

Hexagonal Washer Head – Type 17 Stainless Steel Series 300



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver
12g	12-11x50	SS	1000	STHC5120502	5/16
	14g	14-10x25	500	STHC5140252	
14g	14-10x50	SS	1000	STHC5140502	3/8
	14-10x65	SS	1000	STHC5140652	
	14-10x75	SS	500	STHC5140752	
	14-10x90	SS	500	STHC5140902	



Application: Recommended Fastener:

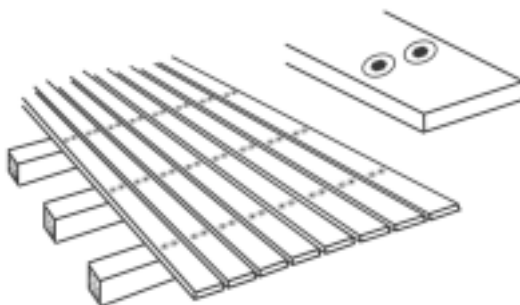
Heavy Duty Fastening in highly corrosive environments
Fencing
Boardwalks
Gates
Pergolas

Bugle Batten – Type 17 Stainless Steel – Series 300



Product Range

Gauge	Size	Product Features	Std Pack	Product Code	Hexagonal Driver Bit
14g	14-10x60	SS	1000	SBBC5140602	5mm
	14-10x75	SS	500	SBBC5140752	
	14-10x100	SS	500	SBBC5141002	



- W Covered by the Bremick Warranty
- Zn Zinc Yellow
- CL3+ Corrosion protection to AS3566 Class 3 -Armourcoat
- CL4+ Corrosion protection to AS3566 Class 4 plus -Armourcoat 4
- TG Top Grip
- SP Shank Protector



Washers and Accessories

Application:

Recommended Accessory:

E.P.D.M. washer for weather tight sealing at exterior fastening points.
Roofing
Cladding

Sealing Washers E.P.D.M.



Range	Std Pack	Product Code
8 gauge seal	1000	SEALA080002
10 gauge seal	1000	SEALA100002
12 gauge seal	1000	SEALA120002
14 gauge seal	1000	SEALA140002

Application:

Recommended Accessory:

E.P.D.M. seal bonded to an aluminium washer used in assembly with roofing screws for securing ridge capping.
Ridge capping

Bonded Washer Aluminium / E.P.D.M.



Range	Std Pack	Product Code
14-16mm x 0.9mm	1000	SEALF140162
14-19mm x 1.2mm	1000	SEALF140192
14-25mm x 1.2mm	1000	SEALF140252

Application:

Recommended Accessory:

E.P.D.M. sealing washer used in assembly with roofing screws for fastening polycarbonate sheeting.
Roofing

Polycarbonate Seal E.P.D.M. Seal



Range	Std Pack	Product Code
12/14 gauge seal	1000	SEALP120002



Washers and Accessories

Application:

Recommended Accessory:

Steel Washer Plate with E.P.D.M. seal for use in assembly with roofing screws for fastening corrugated roofing profiles in cyclonic and high wind zones.
Roofing

**Cyclone Assembly Plates and Seals
CL3 Plates and E.P.D.M. Seals
Corrugated Profiles - Custom Orb®**



Range	Std Pack	Product Code
14 gauge seal	1000	SEALC14CST2
14 gauge plate	1000	PLATA14CST2

Application:

Recommended Accessory:

Steel washer plate with E.P.D.M. seal for use in assembly with roofing screws for fastening square rib roofing profiles in cyclonic and high wind zones.
Roofing

**Cyclone Assembly Plates and Seals
CL3 Plates and E.P.D.M. Seals
Square Ribbed Roofing Profiles – Trimdek® / Spandek®**



Range	Std Pack	Product Code
14 gauge seal	1000	SEALC14TRM2
14 gauge plate	1000	PLATA14TRM2

Application:

Recommended Accessory:

Steel washer plate with E.P.D.M. seal for use in assembly with roofing screws for fastening high rib roofing profiles in cyclonic and high wind zones.
Roofing

**Cyclone Assembly Plates and Seals
CL3 Plates and E.P.D.M. Seals
High Ribbed Roofing Profiles - Kliplok®**



Range	Std Pack	Product Code
14 gauge seal	1000	SEALC14KLP2
14 gauge plate	1000	PLATA14KLP2

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For your nearest Stockist contact:

Bremick Fasteners - 62 Maddox Street, Alexandria, NSW 2015 - Tel.(02) 9319 3777



Mechanical Properties of Screw Fasteners

Mechanical Properties of Self Drilling Screws for Metal

Gauge	Threads per Inch	Min. Axial Force for Withdrawal (1.6mm Steel Plate)	Min. Axial Tensile Strength	Min. Ultimate Torsional Strength
10g	16	2.5 KN	8.60 KN	6.9 Nm
10g	24	2.5 KN	10.01 KN	7.3 Nm
12g	14	2.8 KN	11.63 KN	10.9 Nm
12g	24	2.8 KN	14.44 KN	11.3 Nm
14g	10	3.1 KN	14.95 KN	14.1 Nm
14g	20	3.1 KN	18.90 KN	17.6 Nm

Mechanical Properties of Self Drilling Screws for Timber – Type 17

Gauge	Threads per Inch	Min. Axial Force for Withdrawal (Radiata Pine)	Min. Axial Tensile Strength	Min. Ultimate Torsional Strength
10g	12	2.5 KN	7.50 KN	5.4 Nm
12g	11	2.8 KN	11.30 KN	9.4 Nm
14g	10	3.1 KN	15.00 KN	14.1 Nm

Suggested Drilling Speeds

Suggested Drill Speeds

Metal	2500 rpm
Timber	1000 rpm
Series 300 Stainless Steel - Metal	900 rpm
Thread Forming Screws	350 rpm