



ROOFING & PROFILES (FIJI) PTE LTD

Build With Confidence

**ROOFING
SCREW
SELECTION &
TECHNICAL
DATA GUIDE
2024**

BR=MICK®



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BREMICK®

PROUDLY AUSTRALIAN, PROUDLY FAMILY OWNED

Established in 1965, Bremick® is a family-owned business founded by Michael Hawksford in a small warehouse in Alexandria, Sydney. The business now comprises three core divisions of wholesale products to the pre-engineered buildings, industrial, roofing, construction, petrochemical and retail trade markets, with 15 distribution centres, three manufacturing locations and three quality control laboratories across Australia, New Zealand, and Asia. Today, the vast majority of Australia's Pre-Engineered Buildings, residential metal roofs, skyscrapers, bridges, major mining and critical infrastructure projects have been constructed using Bremick®'s products.

All Bremick® products are subjected to extensive compliance testing at the company's manufacturing plants and at the NATA certified Bremick® Test and Inspection Laboratory in Sydney, ensuring strict compliance with both Australian and International Standards. Bremick® continually monitors industry trends and end user needs when it comes to product innovation, and its products are used in more critical applications than those of any other fastener supplier in Australia.

Today, Bremick® Fasteners is Australia's largest manufacturer and wholesaler of Self Drilling and Steel Framing screws, Petrochemical Studbolts and Fasteners, Industrial Fasteners and Masonry Anchors. Bremick® Self Drilling and Steel Framing screws are the product of choice for the majority of Pre-Engineered Building manufacturers and installers in Australia and New Zealand.

Bremick®'s Revolutionary B8® Coating System provides unrivalled corrosion resistance of more than double that of traditional AS3566.2 Class 4 coatings. Fully Warranted for use in ISO 9223 Category 3,4 & 5 Corrosion zones, Bremick®'s B8 Coating has been Independently Tested in very severe marine environments at the Bremick® outdoor exposure test sites in accordance with AS3566.2. The B8 Technology was first developed for the US Navy where critical components are subjected to extremely corrosive and high wear applications. This technology is now employed by marine engineering, aerospace and automotive entities worldwide including Boeing, US Navy, NATO, Honda, BMW and Rolls Royce.

Bremick®'s test facilities include a full-service NATA laboratory at our National Distribution Centre, and we have 8 permanent staff undertaking batch testing on all products. Our Self Drilling Screws are hand-drilled for testing to ensure that our customers are receiving the highest quality products and for Research and Development purposes.

Quality

Our products are used in more critical applications than those of any other fastener supplier in Australia. People's lives depend on the quality of our products. All Bremick® products are subjected to extensive compliance testing at our manufacturing plants and at the Bremick® Test and Inspection Laboratory in Sydney ensuring strict compliance with both Australian and International Standards.

Reliability & Trust

We've been in this business for over 50 years, finding the best supply channels, establishing our own in-house manufacturing, developing the hardest coatings, cultivating the best team of expert staff. We know what we're doing. We've spent years cultivating a great team. You can pick up the phone, anytime and talk to team member about our product specifications, our technical data, our product trades, applications and installations guides. Our team know what they're talking about and can help solve your problem fast.

Innovation

We continually monitor industry trends and end user needs resulting in a constant flow of innovation, bringing real value to our customers.



ROOFING & PROFILES (FIJI) PTE LTD.

Vision

To exceed our customer expectations by providing the best quality, delivery and cost through continuous improvement and customer interaction.

Mission

To be a high value partner for our customers providing them with innovating products, professional support and services while meeting our obligations to society and the environment.

Values

Responsibility: Each employee is responsible for their work.

A people focused: Developing the best leaders and realising the full potential of our people. Capacity building as per the organisation's needs.

Trust and honesty: We conduct ourselves professionally, with respect and integrity.

Cooperation: What one person cannot do, we can accomplish together.

Responsiveness: Prompt response is our advantage.

Heritage

Nestled in the vibrant landscapes of Ba, Fiji, Roofing & Profiles (Fiji) Pte Ltd (RPFL) stands tall as a beacon of excellence and innovation in the construction industry. RPFL was founded in 2002, and over the past 22 years, we have evolved into the one of the largest manufacturers and market leaders in roofing products. Our state-of-the-art, fully automated manufacturing facilities are integrated with advanced controls and Lean Manufacturing Systems enabled by IoT and a world-class ERP system (SAP-HANA). This ensures seamless integration of operations with quality and revenue streams. We also adhere to the highest quality standards, certified through ISO 9001:2015 (QMS) and ISO 18001 (OHSAS).

In 2022, Roofing & Profiles (Fiji) Pte Ltd was once again celebrated for their commitment to business excellence with the coveted "Fiji Business Excellence Award 2022". This recognition underscores their unwavering dedication to upholding the highest standards of quality, sustainability, and customer satisfaction.

We specialize in manufacturing a wide range of roofing profiles such as CorruDek®, SuperDek®, TileDek®, 1 Degree®, and Multispan®, all rigorously tested for cyclonic conditions at the renowned James Cook University. These products are available in Colorbond®, Zinalume®, and galvanized coatings and represent only a portion of our offerings. We also provide complementary products such as galvanized Z450 purlins, flashings, gutters, accessories, Edmonds Hurricane® ventilators, Kingspan® & CSR® insulation, Bremick® BRA® B8 screws, FlorDek® structural decking systems, prefab structural steel industrial buildings, cold-formed prefabricated housing, barns, and garden sheds.

Our commitment to excellence, innovation, and customer satisfaction is evident in every product we manufacture and every project we undertake. As we continue to grow and evolve, we remain steadfast in our mission to build a brighter, more sustainable future for our staff, Fiji and beyond with Made in Fiji being a major focus.

As we look forward to the future, Roofing & Profiles (Fiji) Pte Ltd aims to build on its strong foundation, exploring new opportunities and technologies to better serve our customers and contribute to the development of Fiji's infrastructure.



BRA T17

SELF DRILLING FOR TIMBER

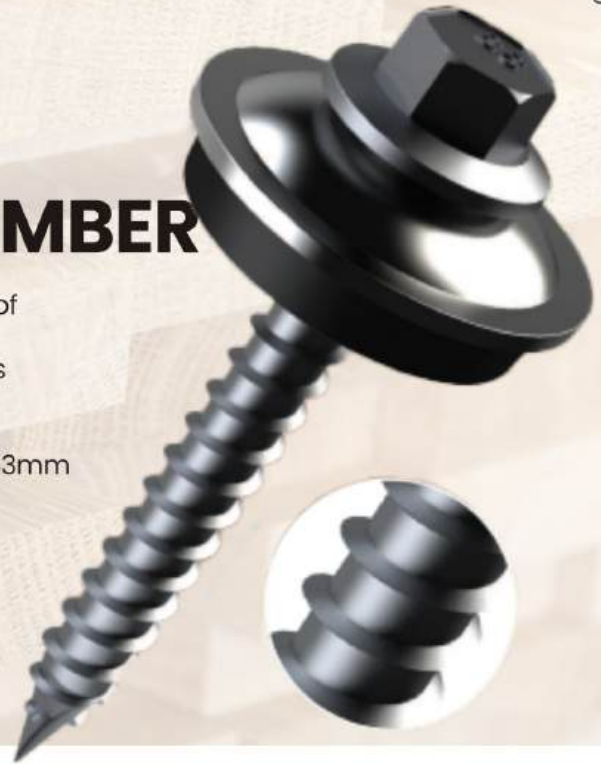
For fastening the crests of corrugated and square rib roof sheeting in cyclonic regions.

BRA – Cyclone assembly for timber & thin metal battens

APPLICATION

One step fastening to crests of roof sheeting (16mm to 53mm rib heights) to timber and thin metal battens.

- + SuperDek®
- + Corrudek®
- + TileDek®
- + Multispan®
- + 1Degree®



INSTALLATION RECOMMENDATIONS

For best results use a power screw driver with variable speed from 1000 to 1500 RPM.

When fastening to timber (JD3 min.) ensure a minimum embedment of 29mm.

Metal battens 0.75mm BMT G550 min.

The use of battery screw drivers will significantly decrease drilling speed. Only use Bremick® Drive Bits.

In cyclonic regions consult design professionals for fastener spacing.



SUPPLIED IN B8® REVOLUTIONARY PROTECTION COATING

SETTING INSTRUCTIONS

1. Position

Fit screw head into drive socket and locate screw point at center of sheet rib.

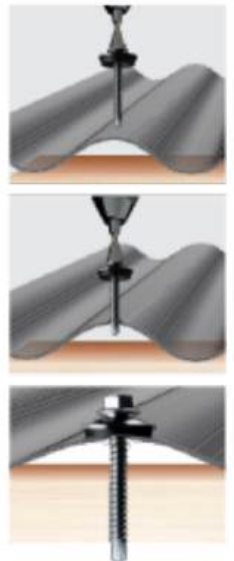
2. Drill

With a power screw driver commence drilling at "slow speed" to pierce sheeting.

3. Set

Maintaining a firm down pressure increase the drive speed to penetrate the base material. Continue driving until the BRA washer seats firmly.

Do not over drive



Product Code	Size (mm)	TPI	Thread	Product Features	Hexagonal Drive	Pack Quantity
STHC814050D*	14g x 50	10	Full	B8, W	3/8"	250
STHC814065D*	14g x 65	10	Full	B8, W	3/8"	250
STHC814075B*	14g x 75	10	Part	B8, W,SP	3/8"	250
STHC814090B*	14g x 90	10	Part	B8, W,SP	3/8"	250

*Available ex-stock



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BREMICK™

BRA T17 CYCLONE ROOFING ASSEMBLIES

Bremick® Roofing Assemblies (BRA) are preassembled fasteners that are tested and approved for crest fastening metal roofing profiles in Cyclonic regions. The unique BRA Cyclone washer is suitable for use with most common roofing profiles and is available with universal screws, metal drilling screws or Type 17 timber drilling screws.

Vortex® Cyclone, Type 17 and metal drilling versions readily available. Suitable for corrugated, square rib & broad sheet roofing profiles.



25mm diameter marine grade aluminium / EPDM
UNIVERSAL BRA CYCLONE
washer (specifically designed cyclone washer)

SELF DRILLING
for metal screw for fastening to timber
battens and thin metal battens

AVAILABLE IN
lengths 50mm - 175mm, profile heights
16mm - 145mm and in all colorbond colors

Tested & certified to **AS/NZS 1170.2 &
BCA 2008 SPEC B 1.2** for the design of
buildings in cyclonic areas

Accepted for inclusion in the NT Deemed to Comply
Manual. Fully covered by the Bremick® Performance
Warranty.

SuperDek®, CorruDek® and TileDek® are registered
trademarks of Roofing & Profiles (Fiji) Pte Ltd.

✗ Under driven.
Requires
Tightening.



✓ Correct



✗ Over driven.
Remove and
replace.



30% **FASTER DRILLING**
than conventional Class 4

2X **PROTECTION**
Double the corrosion protection of
conventional Class 4 in category 5
environments

8X **TOUGHER**
Than conventional Class 4
Extremely abrasion resistant.
Minimal coating loss during
installation.

BRA SDM SELF DRILLING FOR METAL

For fastening the crests of corrugated and square rib roof sheeting to steel purlins in cyclonic regions.

BRA – Cyclone assembly for steel to steel purlins

APPLICATION

One step fastening to crests of roof sheeting (16mm to 53mm rib heights) to G450 Galvanised steel purlins up to 6.5mm thick.

- + SuperDek®
- + CorruDek®
- + TileDek®
- + Multispan®
- + IDegree®

Minimum Purlin thickness, BMT, 1.0mm



INSTALLATION RECOMMENDATIONS

For best results use a power screw driver with variable speed from 2000 to 2500 RPM.

When used in cyclonic regions the minimum base material specification shall be, Steel Purlins 1.5mm BMT G450 min.

The use of battery screw drivers will significantly decrease drilling speed. Only use Bremick® Drive Bits.

In cyclonic regions consult design professionals for fastener spacing.

SETTING INSTRUCTIONS

1. Position

Fit screw head into drive socket and locate screw point at centre of sheet rib. (BRA Cyclone washer can accommodate up to 11 degrees of axial misalignment)



2. Drill

With a power screw driver commence drilling at "slow speed" to pierce sheeting.



3. Set

Maintaining a firm down pressure increase the drive speed to penetrate the base material. Continue driving until the BRA washer seats firmly.



SUPPLIED IN B8® REVOLUTIONARY PROTECTION COATING

Product Code	Size (mm)	TPI	Thread	Product Features	Hexagonal Drive	Pack Quantity
SMHC814050D	14g x 50	10	Full	B8, W	3/8"	250
SMHC814065D	14g x 65	10	Full	B8, W	3/8"	250
SMHC814075B	14g x 75	10	Part	B8, W,SP	3/8"	250
SMHC814095B	14g x 95	10	Part	B8, W,SP	3/8"	250

Vortex® is a registered trademark of Bremick® Pty Ltd.



BRA SDM CYCLONE ROOFING ASSEMBLIES

Bremick® Roofing Assemblies (BRA) are preassembled fasteners that are tested and approved for crest fastening metal roofing profiles in Cyclonic regions. The unique BRA Cyclone washer is suitable for use with most common roofing profiles and is available with universal screws, metal drilling screws or Type 17 timber drilling screws.

Vortex® Cyclone, Type 17 and metal drilling versions readily available. Suitable for corrugated, square rib & broad sheet roofing profiles.



SuperDek®, CorruDek® and TileDek® are registered trademarks of Roofing & Profiles (Fiji) Pte Ltd.

25mm diameter marine grade aluminium / EPDM
UNIVERSAL BRA CYCLONE
washer (specifically designed cyclone washer)

SELF DRILLING
for metal screw for fastening to steel
purlins up to 6.5mm thick

AVAILABLE IN
lengths 50mm - 175mm, profile heights
16mm - 150mm and in all colorbond colors

Tested & certified to **AS/NZS 1170.2 &
BCA 2008 SPEC B 1.2** for the design of
buildings in cyclonic areas

Accepted for inclusion in the NT Deemed to Comply
Manual. Fully covered by the Bremick® Performance
Warranty.

**✗ Under driven.
Requires
Tightening.**



✓ Correct



**✗ Over driven.
Remove and
replace.**



30% FASTER DRILLING
than conventional Class 4

2X PROTECTION
Double the corrosion protection of
conventional Class 4 in category 5
environments

8X TOUGHER
Than conventional Class 4
Extremely abrasion resistant.
Minimal coating loss during
installation.

CLADDING FASTENING IN CYCLONIC AREAS

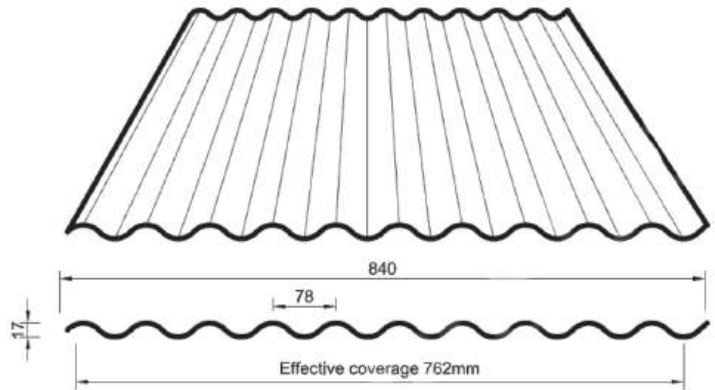
Roofing Profiles

CorruDek®

Fastening corrugated roofing profiles Rib height – 16mm to 20mm

E.g. CorruDek® (Rib height 17.5mm)
(Not inclusive of insulation)

Conformance Standard AS 3566



FOR CYCLONIC REGION SCREW ON EVERY RIB.

CORRUGATED ROOFING PROFILES



TO TIMBER BATTENS



TO STEEL PURLINS UP TO 4.5MM THICK

CREST FIXING

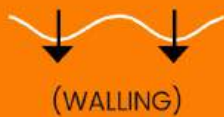


14X65MM
TYPE 17 HEX HEAD
BRA SEAL
TPI: 10



14X65MM
SDM HEX HEAD
BRA SEAL
TPI: 10

VALLEY FIXING



14X40MM
TYPE 17 HEX HEAD
WITH SEAL
TPI: 10



14X22MM
SDM HEX HEAD
WITH SEAL
TPI: 20

Important note:

1. Bremick® Roofing Assemblies (BRA) & (BRA-TYPE 17) are preassembled fasteners that are tested and approved for crest fastening metal roofing profiles in cyclonic regions.
2. Bremick® screws are manufactured and tested after every batch is manufactured.
3. RPFL recommends only trained roofers for installation of screws.
4. If correct installation procedure is Not followed, metal screw tips may break.
5. RPFL will not be liable for replacement of any screw tip breakage due to wrong installation hence will not provide any replacements.



10X16MM
SDM HEX HEAD
WITH SEAL
TPI: 16



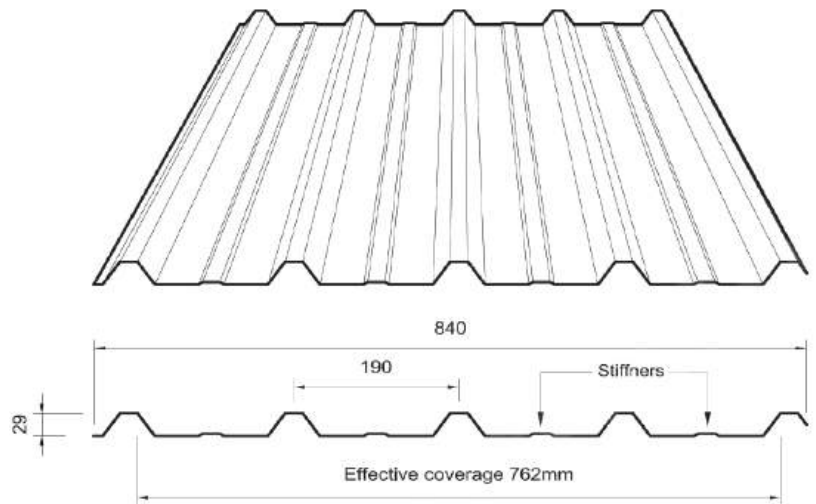
M6.5X20MM
VORTEX® STITCH HEX HEAD
WITH SEAL
TPI: 13

SuperDek®

Fastening square rib broad sheet roofing profiles. Rib height – 27mm to 30mm

E.g. SuperDek® (Rib height 29mm)
(Not inclusive of insulation)

Conformance Standard AS 3566

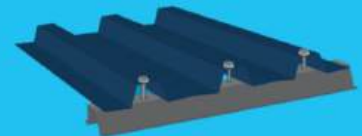


FOR CYCLONIC REGION SCREW ON EVERY RIB.

SQUARE RIB BROAD SHEET ROOFING PROFILES



TO TIMBER BATTENS



TO STEEL PURLINS UP TO 4.5MM THICK

CREST FIXING



14X75MM
TYPE 17 HEX HEAD
BRA SEAL
TPI: 10



14X65MM
SDM HEX HEAD
BRA SEAL
TPI: 10

VALLEY FIXING



14X40MM
TYPE 17 HEX HEAD
WITH SEAL
TPI: 10



14X22MM
SDM HEX HEAD
WITH SEAL
TPI: 20

Important note:

1. Bremick® Roofing Assemblies (BRA) & (BRA-TYPE 17) are preassembled fasteners that are tested and approved for crest fastening metal roofing profiles in cyclonic regions.
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10X16MM
SDM HEX HEAD
WITH SEAL
TPI: 16



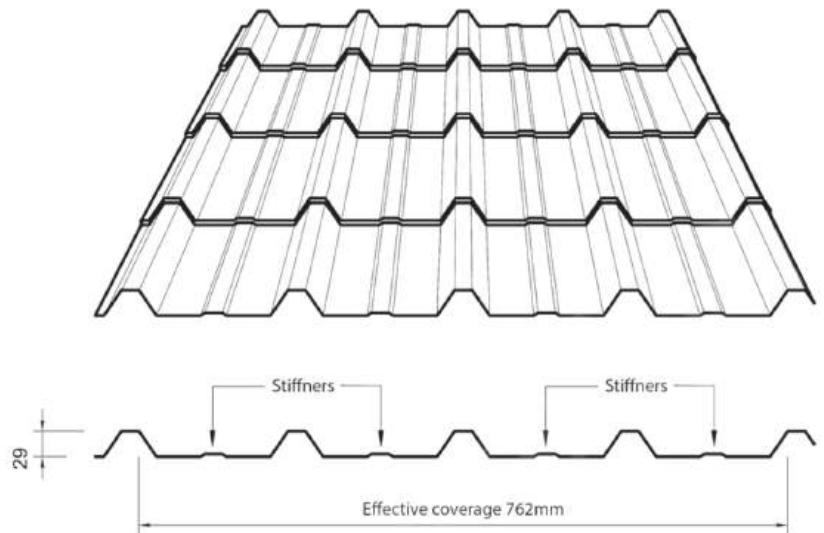
M6.5X20MM
VORTEX® STITCH HEX HEAD
WITH SEAL
TPI: 13

TileDek®

Fastening square rib broad sheet roofing profiles. Rib height – 27mm to 30mm

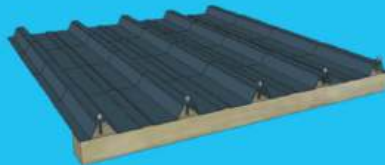
E.g. TileDek® (Rib height 29mm)
(Not inclusive of insulation)

Conformance Standard AS 3566

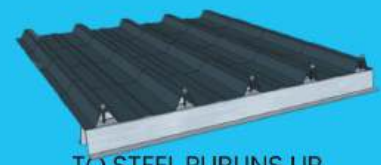


FOR CYCLONIC REGION SCREW ON EVERY RIB.

CORRIGATED ROOFING PROFILES



TO TIMBER BATTENS



TO STEEL PURLINS UP TO 4.5MM THICK

CREST FIXING



14X75MM
TYPE 17 HEX HEAD
BRA SEAL
TPI: 10



14X65MM
SDM HEX HEAD
BRA SEAL
TPI: 10

VALLEY FIXING



14X40MM
TYPE 17 HEX HEAD
WITH SEAL
TPI: 10



14X22MM
SDM HEX HEAD
WITH SEAL
TPI: 20

Important note:

1. Bremick® Roofing Assemblies (BRA) & (BRA-TYPE 17) are preassembled fasteners that are tested and approved for crest fastening metal roofing profiles in cyclonic regions.
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10X16MM
SDM HEX HEAD
WITH SEAL
TPI: 16



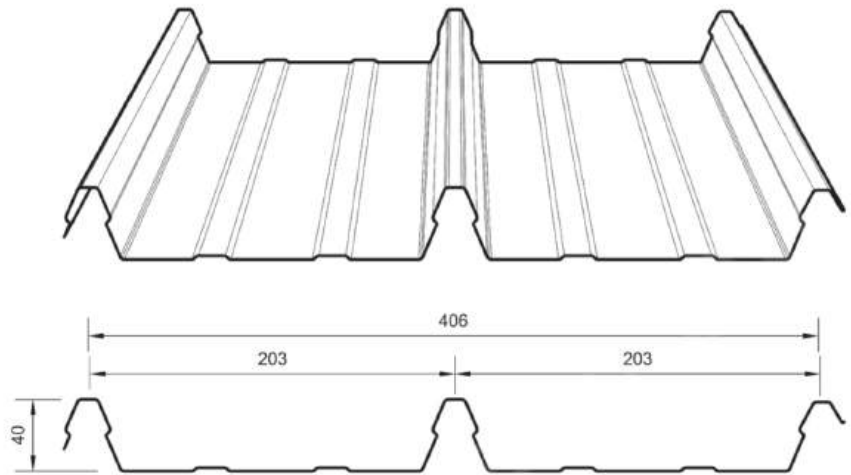
M6.5X20MM
VORTEX® STITCH HEX HEAD
WITH SEAL
TPI: 13

1Degree®

Fastening square rib broad sheet roofing profiles. Rib height – 27mm to 40mm

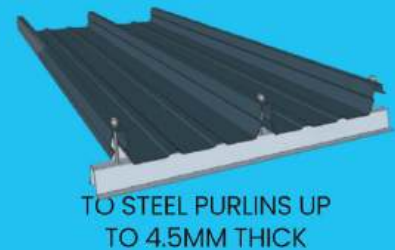
E.g. 1Degree® (Rib height 40mm)
(Not inclusive of insulation)

Conformance Standard AS 3566



FOR CYCLONIC REGION SCREW ON EVERY RIB.

SQUARE RIB BROAD SHEET ROOFING PROFILES



CREST FIXING



VALLEY FIXING



Important note:

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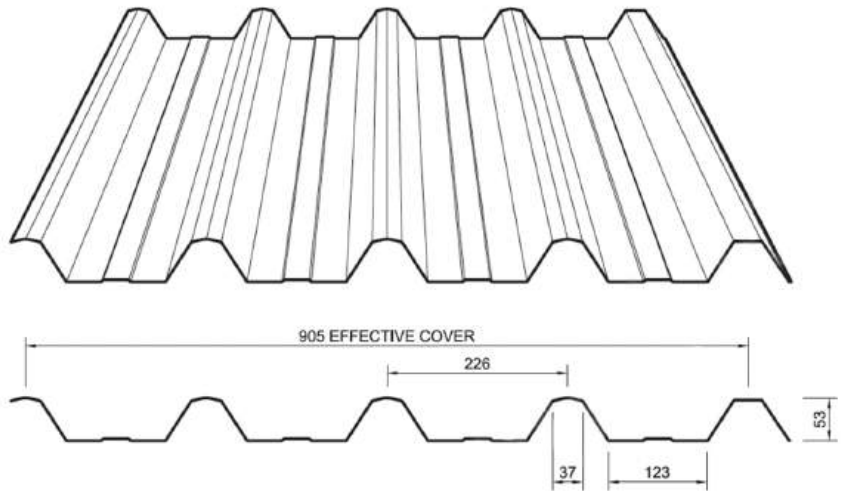


Multispan®

Fastening square rib broad sheet roofing profiles. Rib height – 27mm to 53mm

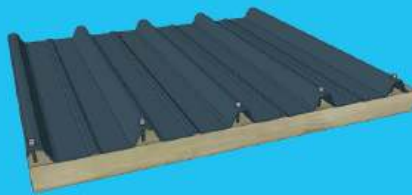
E.g. Multispan® (Rib height 53mm)
(Not inclusive of insulation)

Conformance Standard AS 3566

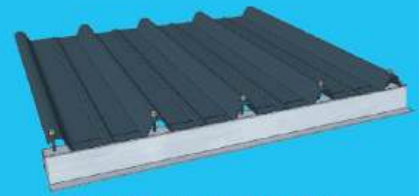


FOR CYCLONIC REGION SCREW ON EVERY RIB.

SQUARE RIB BROAD SHEET ROOFING PROFILES



TO TIMBER BATTENS



TO STEEL PURLINS UP TO 4.5MM THICK

CREST FIXING



VALLEY FIXING



Important note:

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VORTEX® FIBERGLASS

For fastening the crests of fibre glass translucent roof sheeting to steel purlins.

APPLICATION

One Step fastening of fibre glass roof sheeting (16mm to 35mm rib height) to steel purlins up to 2.4mm thick. Suitable for use with:

- + SuperDek®
- + Corrudek®
- + TileDek®
- + Multispan®
- + 1Degree®
- + Santoprene DEKS® seal



INSTALLATION RECOMMENDATIONS

For best results use a power screw driver with variable speed with an initial drive speed of 1000 to 1500 RPM. For thick steel, 2000 to 2500 RPM.

Only use Bremick® 5/16 Drive Bits. Consult sheeting manufacturer for fastener spacings.

FEATURES

- + Cutting fins automatically form expansion hole and self centres screw during installation. Cutting installation time in half.
- + Armourcoat® protection to AS 3566 Class 4.
- + 32mm diameter Weatherseal sealing washer for water tight and secure fastening.
- + High visibility roof safe seal highlights non trafficable sky light zones.
- + Fully covered by Bremick® performance warranty.

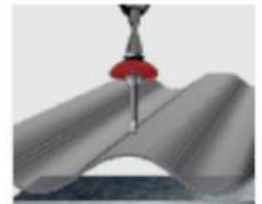


SUPPLIED IN B8® REVOLUTIONARY PROTECTION COATING

SETTING INSTRUCTIONS

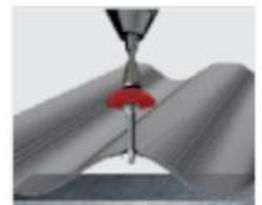
1. Position

Fit screw head into drive socket and position screw point at centre of sheet rib.



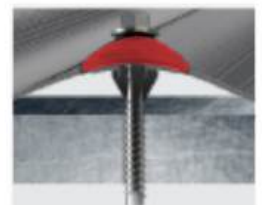
2. Drill

With a power screw driver commence drilling at "slow speed" to allow screw to cut a clean expansion hole in the sheeting.



3. Set

Maintaining a firm down pressure increase drive speed and continue driving until the washer seats firmly. Do not over drive.



Product Code	Size (mm)	TPI	Hexagonal Driver	Product Quantity
SMHC812065G	12g x 65	14	5/16"	250
TMHC812065G	12g x 65	14	5/16"	100
SMHC812085G	12g x 95	14	5/16"	250

Vortex® is a registered trademark of Bremick® Pty Ltd.



Axial Withdrawal Forces for Metal Battens & Studs, Steel Purlins

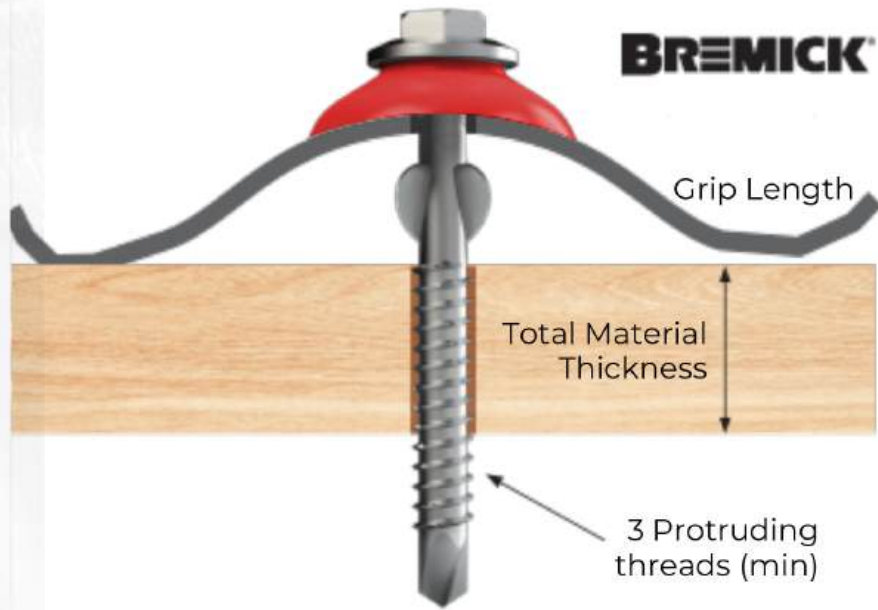
Mean Ultimate Pull Out Force KN - Metal Battens			
Product	0.55mm BMT G550	0.75mm BMT G550	1.00mm BMT G550
M6.2-14	1.1	1.9	2.7

Mean Ultimate Pull Out Force KN - Steel Purlins		
Product	1.2mm BMT G450	1.5mm BMT G450
M6.2-14	3.6	4.5

Axial Withdrawal Forces for Timber

Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine) Embedment Depth			
Product	25mm	30mm	35mm
M6.2-14	3.1	4.7	6.2

Mean Ultimate Pull Out in F5/JD4 Timber (Hardwood) Embedment Depth			
Product	25mm	30mm	35mm
M6.2-14	3.8	4.7	6.2



Note: The above data represents characteristic capabilities obtained under laboratory conditions and are only applicable to Bremick® products. The design professional must apply appropriate safety factors.



Hex head provides traceability, consistency and stable driving.

Deks 26mm Poly Carbonate engineered washer for a watertight seal.

Cutting Fins Automatically form expansion hole and self centre screw during installation.

Fluted Thread quickly clears out swarf, providing smooth, consistent installation.

Vortex® Patented Universal Drill Point suitable for fastening to thin metal battens, steel purlins up to 1.5mm thick and timber.

Product Description	Single shear (KN)	Axial Tensile (KN)	Torsional (Nm)	Maximum Drilling Capacity	Expansion Hole Diameter (mm)
M6.2 x 50mm with Polycarb Seal B8® Coating TPI: 14	11.4	19.5	21	1.55mm	10mm
	11.4	19.5	21	1.55mm	10mm
	11.4	19.5	21	1.55mm	10mm
M6.2 x 50mm with Polycarb Seal B8® Coating TPI: 14	11.4	19.5	21	1.55mm	10mm
	11.4	19.5	21	1.55mm	10mm
	11.4	19.5	21	1.55mm	10mm

SCREWS & RIVETS RANGE



Wing Decking Screw

For fixing decking to metal truss



VORTEX® UNIVERSAL SCREWS
FOR THIN METAL OR TIMBER

Vortex® Universal Roof Screw

For fixing roof sheeting to thin metal or timber



Vortex® Batten Screw

For fixing thin metal battens to thin metal or timber



Vortex® Clad Screw

For valley-fixing cladding to thin metal or timber



Vortex® Stud Flat Head

For fixing thin thin metal studs to thin metal or timber



Vortex® Corri

For fixing corrugated roofing profiles to thin metal or timber



Vortex® Mini Orb screws

For valley-fixing mini-corrugated sheeting to thin metal or timber



Vortex® Stitch Hex Head

For stitching of roofing and cladding to thin metal or timber



DEEP DRILLERS FOR FIXING TO THICK METAL

Deep Self Drillers – Wafer Head

For fixing to thick metal



Deep Self Drillers – Hex Head

For fixing various materials to thick metal



WING DRILLERS FOR FIXING HARDWOOD TO METAL

Wing Drillers – Self Embedding

For fixing timber to metal



Wing Drillers – Countersunk Ribbed Head

For fixing timber to metal



Wing Drillers – Countersunk Head

For fixing timber to metal



Self Driller – Button Head

For fixing thin sheet metal to metal when low profile head is required



Self Driller – Countersunk Ribbed Head

For fixing plasterboard to metal



Self Driller – Countersunk Ribbed Head

For fixing various materials to metal



Self Driller – Self Embedding

For fixing various materials to metal



Self Driller – Countersunk Head

For fixing various materials to metal



Self Driller – Pan Head

For fixing various material to metal



Self Driller – Wafer Head

For fixing various material to metal



SCREWS

SELF DRILLERS FOR METAL

Self Driller

For fixing roof sheeting to metal



Self Driller – Roofing to Metal

For fixing roof sheeting to metal: Top grip hex head



ZED Point

For fixing roofing to lapped purlins



Vortex® – Shed Screw

For fixing heavy duty framing to metal plain without seal



Vortex® Fibre Countersunk – Ribbed
For fixing 6–12mm fibre cement board to thin metal or timber



Vortex® Fibre Bugle Head
For fixing 4.5mm fibre cement board to thin metal or timber



Vortex® Shed Screw
For fixing heavy duty framing to metal



Vortex® Compressed Sheet Screw
For fixing compressed sheet



Vortex® Deck
For fixing narrow board decking



Vortex® Wafer
For fixing metal to thin metal or timber with low profile head



SDM CYCLONE ASSEMBLIES

Self Driller – Hex Head with Aluminium Bonded Washer Plain without Seal
For fixing roofing sheets to metal



Vortex® Universal Cyclone Assemblies
For fixing all roofing profiles to thin metal or timber



Universal Cyclone Assemblies – All
For fixing all roofing profiles to metal



Cyclone Assemblies – Custom Orb
For fixing custom orb sheeting to metal



Cyclone Assemblies – Trim/Spandek
For fixing Trimdek and spandek sheeting to metal



Cyclone Assemblies – Kliplik
For fixing Kliplik sheeting to metal



T17 CYCLONE ASSEMBLIES

Universal Cyclone Assemblies
For fixing all roofing profiles to timber



Cyclone Assemblies – Custom Orb
For fixing Custom Orb sheeting to timber



Cyclone Assemblies – Trim/Spandek
For fixing Trimdek and Spandek sheeting to timber



Cyclone Assemblies – 1Degree®
For fixing 1Degree® sheeting to timber



Type 17 – Hex Head with Aluminium Bonded Washer
For fixing roof sheeting to timber



TYPE 17 FOR TIMBER

Type 17 – Hex Head
For fixing roof sheeting to timber



Type 17 – Hex Head TopGrip
For fixing roof sheeting to timber



Type 17 Bugle Batten Screws
For fixing timber to timber



Sharks Tooth™ Bugle Batten Screws
Type 17 for fixing timber to timber



Type 17 – Countersunk Head
Type 17 for fixing timber to timber



Type 17 – Countersunk Ribbed Trim Head
For fixing to timber and decking



Type 17 – Countersunk Ribbed Head
For fixing to timber and decking



Type 17 – Pan Head
For fixing timber to timber



Type 17 – Wafer Head
For fixing timber to timber



SPEAR POINT FOR DECKING AND TIMBER

Spear Point – Spear Point Truss Head
For Decking and Timber



Spear Point – Raise Truss Head
For Decking



Spear Point – Trim Head
For Decking



Spear Point – Bullet Head
For Decking



CHIPBOARD (SUREQUIK®) SCREWS

Chipboard Screws – Countersunk Ribbed Head



NEEDLE POINT SCREWS

Needle Point – Button Head



Needle Point – Flat Head



Needle Point – Hex Head



Needle Point – Hex Flange Head



Needle Point – Hex Slotted Serrated Head



Needle Point – Pan Head



SECURITY SCREWS

One Directional Drive Security Screw



LONGTHREAD HINGE SCREWS

Longthread Hinge Screws



SELF TAPPING SCREWS

Self Tapping Screws – Countersunk



Self Tapping Screws – Pan



PLASTERBOARD (GIB) SCREWS

Plasterboard Screws – Bugle Head



Plasterboard Screws – Bugle Head



Self Driller – Bugle Head

For fixing plasterboard to metal



Villaboard Screws – Countersunk Ribbed Head



Villaboard Screws – Countersunk Ribbed Head



Self Driller – Bugle Head

For fixing styrene foam to timber



STEEL FRAMING SCREWS

Vortex® Truss – Hex Head

For fixing roof trusses



Vortex® Frame – Rolled Point

For fastening wall frames and truss



Vortex® Frame – SDM

For fastening wall frames and truss



Needle Point – Wafer Head Framing Screw

For internal and external frame bracing



SDM – Wafer Head Framing Screw

For internal and external frame bracing



MultiONE SCREWS

Self Driller – Truss Head

For fixing into softwood, hardwood, metal, concrete, masonry and plastic



Self Driller – Contour Head

For fixing into softwood, hardwood, metal, concrete, masonry and plastic



FIXCONN CONSTRUCTION SCREWS

Sharks Tooth Construction Screw

For fastening heavy timber to timber



Heavy Duty Construction Screw

For fastening heavy timber to timber



Heavy Duty Landscaping Screw

For fastening heavy timber to timber. Internal hex.



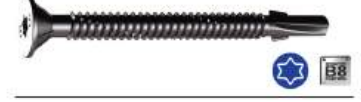
Bugle Batten Screws

SDM for Fixing to Metal. Internal hex.



Winged Deep Driller

For fastening timber to Lintels and I beam



Heavy Duty Concrete Screw

For fastening timber to concrete slab



POLYCARB SCREWS

Type 17 Polycarb

For Fixing Polycarbonate Sheeting to Timber



Vortex® Universal Screws

For Fixing Polycarbonate Sheeting to thin Metal or Timber



Self Driller – Polycarb Wing Driller

For Fixing Polycarbonate Sheeting to Metal



FIBREGLASS SCREWS

Self Driller

For Fixing Fibreglass Sheeting to Metal



SEALS AND PLATES FOR SELF DRILLING SCREWS

Cyclone / Roofing Seals



Cyclone Plate

Plain or painted



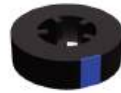
Fibre Glass Seal



Polycarbonate Seal



EPDM Seals



COUNTERSINKING SWIFTBIT

COUNTERSINKING SWIFT BIT
Suitable for Hardwood & Softwood Decking. Available in 8-10g, 10-12g & 12-14g. SwiftBit drill bit replacements are also available.



DRIVE BITS & INSERTS

Drive Bits – One Ended



Drive Bits – Double Ended



Torsion Drive Bits



NEW

RIVETS

Truss Head Rivets

Aluminium 5052
Stainless Steel 304
All Steel
Aluminium 5056
All Stainless 304
All Aluminium 5056



Countersunk Head Rivets

Aluminium 5056



Large Flange Rivets

All Stainless Steel 304
Aluminium 5052



Truss Head Multigrip

Aluminium 5056



Sealed

Aluminium 5056



Rivet Tools & Spare Parts



THE WORLD'S MOST ADVANCED SCREW.

MultiONE®

1 Powerful Screw
Multiple Materials

Unique Thread Design

Engineered to fasten multiple materials with ease

High Tech Drill Tip

Drills a perfect size hole

Torx®+ Compatible Drive

Positive bit engagement provides maximum application of torque

TopGrip™ Thread

Locks materials together



B8® Coating lasts 4x longer
than galvanising.

*Pre-drilling may be required in masonry products
*Torx is a registered trademark owned by Acument Intellectual Properties, LLC

REGISTERED DESIGN



Super powerful, super strong.

No pre-drilling required for the majority of materials*

See the MultiONE® in action at www.multil.com.au



INTELLECTUAL PROPERTY STATEMENT THIS BREMICK® PRODUCT INNOVATION IS PROTECTED BY A REGISTERED DESIGN AND HAS A PATENT PENDING. MULTIONE® AND B8® ARE TRADEMARKS OF BREMICK® PTY LTD.



ROOFING & PROFILES (FIJI) PTE LTD
Build With Confidence

www.roofingandprofiles.com.fj
info@roofingandprofiles.com.fj

BREMICK™

STAINLESS STEEL SCREWS & POP RIVETS



SELF DRILLERS FOR METAL

Self Driller

For fixing roof sheeting to metal



VORTEX® UNIVERSAL SCREWS FOR THIN METAL OR TIMBER

Vortex® Deck

For fixing narrow board decking



SDM CYCLONE ASSEMBLIES

Self Driller – Hex Head with Aluminium Bonded Washer Plain without Seal

For fixing roofing sheets to metal



TYPE 17 FOR TIMBER

Type 17 – Hex Head

For fixing roof sheeting to timber



Type 17 Bugle Batten Screws

For fixing timber to timber



Type 17 – Countersunk Ribbed Trim Head

For fixing to timber and decking



For fixing to timber and decking



SPEAR POINT FOR DECKING AND TIMBER

Spear Point – Spear Point Truss Head

for Decking and Timber



Spear Point – Raise Truss Head

For Decking



Spear Point – Trim Head

For Decking



Spear Point – Bullet Head

For Decking



CHIPBOARD (SUREQUICK)® SCREWS

Chipboard Screws – Countersunk Ribbed Head



SECURITY SCREWS

One Directional Drive Security Screw



LONGTHREAD HINGE SCREWS

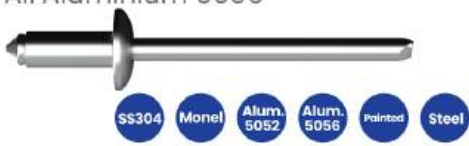
Longthread Hinge Screws



RIVETS

Truss Head Rivets

Aluminium 5052
 Stainless Steel 304
 All Steel
 Aluminium 5056
 All Stainless 304
 All Aluminium 5056



Sealed

Aluminium 5056

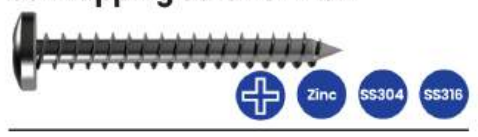


SELF TAPPING SCREWS

Self Tapping Screws – Countersunk



Self Tapping Screws – Pan



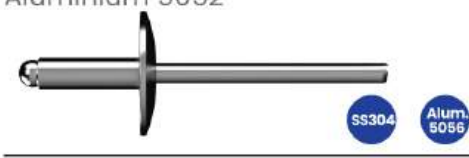
Countersunk Head Rivets

Aluminium 5056



Large Flange Rivets

All Stainless Steel 304
 Aluminium 5052



Truss Head Multigrip

Aluminium 5056



Rivet Tools & Spare Parts



SRC Hand Rivet Tool



NEW

CONSTRUCTION SCREWS

Heavy Duty Construction Screw

For fastening heavy timber to timber



COLOURED SCREWS AND RIVETS COLORBOND® COLOURS

™ Colour names are trademarks of BlueScope Steel Limited.
 ® Colour names are registered trademarks of BlueScope Steel Limited.
 COLORBOND® is a registered trade mark of BlueScope Steel Limited.

PERFECT FOR BUILDING & CONSTRUCTION



PROPER DRILL USAGE FOR ROOFING SHEET INSTALLATION

When installing metal long-run roofing or cladding, it is crucial to choose the correct drill to avoid damage to the materials and ensure a secure, durable installation. Using improper tools can damage the protective coatings on roofing screws, leading to corrosion and premature failure of the roofing system.

Recommended Drill:

Electric Screwdriver or Standard Cordless Drill

- **Avoid using impact drivers:** According to industry guidelines such as the NZ Metal Roofing Manufacturers (NZMRM) Code of Practice, impact drivers can damage the paint surface and protective coatings of fasteners. This is particularly true for screws with longer shanks (e.g., 90mm), where the increased torque needed during the final stages of installation can cause excessive wear on the screw head.

Correct Torque Settings:

Using the right torque is critical to ensure the screw is installed tightly enough without causing damage:

- **Standard Screwdriver Torque:** Use a drill with adjustable torque settings, typically between **1,500–2,000** RPM, depending on the specific roofing screw and material thickness.
- **Avoid Over-Tightening:** Over-torquing can strip threads or damage the roofing surface, compromising the waterproofing and integrity of the roof.

Roofer's Responsibility:

It is the roofer's responsibility to ensure the method of installing screws does not cause damage to the screws. Care must be taken to avoid over-torquing or damaging the protective coatings, which can affect the long-term durability of the roofing system.

Installation Best Practices:

- Always use **well-fitting nut drivers** to prevent stripping of the screw head.
- Use Bremick® Chuck Only
- Ensure screws are driven **straight and flush** with the surface, avoiding excess pressure that could distort the sheet or damage the fastener.

For further information, please refer to the **NZMRM Code of Practice v3 (03.22)** and view the full installation guide

COLOR NOTES

The Colorbond® & Colorclad® pre painted steel colours shown on this chart have been reproduced to represent actual product colour as accurately as possible. However, we highly recommend checking your chosen colour against an actual sample of your product before a final purchasing decision is made as limitations of digital palette colours affected colour tones.

Please also note that if you are printing this page, the colours will not be accurate using most printers and should not be used for colour matching purposes.

Colorbond® & colour names are registered trademarks of Bluescope Steel Limited.

Colours not kept in stock, can be ordered from NZ Steel on special order. Minimum order quantity will be applicable.

Colours not under the profile can be ordered and supplied on indent basis.

RPFL CorruDek®, RPFL SuperDek®, RPFL IDegree®, RPFL Multispan®, RPFL TileDek®, RPFL FlorDek® are registered trademarks for Roofing and Profiles (Fiji) Pte Ltd.



Colorbond® Colour Chart 2024

<p>Colorbond XRW CorruDek® & SuperDek® 0.442BMT / 0.48BMT / 0.55 BMT.</p>	<p>Colorbond Ultra CorruDek® & SuperDek® 0.48BMT / 0.55 BMT.</p>
<p>Colorbond XRW TileDek® 0.442BMT</p>	<p>Colorbond Ultra TileDek® 0.442BMT</p>
<p>Colorbond XRW 1Degree® 0.48BMT</p>	<p>Colorbond Ultra 1Degree® 0.48BMT</p>
<p>Colorbond XRW Multispan® 0.55BMT</p>	<p>Colorbond Ultra Multispan® 0.55BMT</p>
<p>Following colors are not stocked, but can be ordered on special order.</p>	

NATA ACCREDITED LAB

We take pride in our uncompromising commitment to quality throughout the manufacturing processes and in our finished products.

All Bremick® products are subjected to extensive compliance testing at our manufacturing plants and at the Bremick® Test and Inspection Laboratory in Sydney, ensuring strict compliance with both Australian and International Standards.

Bremick®'s Quality Team operates its own National Association of Testing Authorities (NATA) accredited facility at the companies National Distribution Centre in Sydney. It is a fully equipped metallurgical laboratory capable of undertaking the highly specialised testing procedures mandated by Bremick®'s Quality Assurance Program.

We ensure our products meet the requirements of all Australian Standards and customer specifications.

To ensure that Bremick® products meet and exceed industry standards the company continues to make considerable investment in laboratory instruments and equipment. Bremick®'s in-house metallurgists use the very latest macro and micro graphic equipment to enable extensive analysis of material structures and mechanical properties.

All test data and inspection records are audited by NATA in accordance with the Bremick® Quality Manual. This process facilitates total traceability prior to approval and certification of the final product.

Bremick®'s Laboratory Accreditation is in accordance with National Association Testing Authorities Scheme AS ISO/IEC 17025.

ACCREDITED
LABORATORY




NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA
has accredited:

Bremick Pty Ltd

Bremick Pty Ltd

Following demonstration of its technical competence to operate in accordance with:

ISO/IEC 17025

This facility is accredited for the tests shown on the Scope of Accreditation issued by NATA.



Jennifer Evans
Chief Executive Officer, NATA

Date of issue: 28 July 2023 | Date of Accreditation: 28 February 2007 | Accreditation number: 15567 | Site number: 16541

The Commonwealth recognises NATA as the national authority for accreditation of laboratories, and a leader in accreditation internationally. NATA is a signatory to the mutual recognition arrangements of the International Laboratory Accreditation Cooperation (ILAC) and the Asia Pacific Accreditation Cooperation (APAC) (ABN 59 004 379 748) Limited by guarantee. AP8-1-9 / Issue 8 / October 2021



NATA ACCREDITED LAB



XFR machine Test

The X-Ray Fluorescent spectrometer determines the chemical composition of steel.

It also determines the thickness and chemical composition of the protective coatings.

For example it can instantly determine if a Stainless Steel fastener has been made from grade 302, 304 or 316 steel.



Vickers Hardness Test

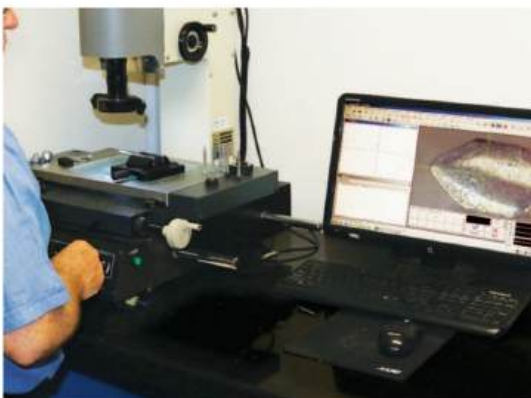
The Vickers hardness test checks that core and case hardness of the screw complies with Australian Standards.

The ductility of the steel is also checked to ensure screw shanks do not shear when construction materials expand in the heat.



Rockwell Hardness Test

This is a hardness scale test measuring the depth of an indentation under load made on the fastener material to ensure the hardness complies with the Australian standard.



Scanning Microscope

The Scanning Microscope is used to accurately measure Fastener dimensions to ensure that they comply with the original technical drawings.

CERTIFICATION


BREMICK® PROVIDES CERTIFICATION ON ALL ITS FASTENING SYSTEMS.

For Bremick® Structural Bolting and Stud bolting, batch-specific Conformance Certification is provided complete with critical Quality Assurance information including full chemical, mechanical and dimensional properties through to mill certification and conformance criteria.


These Certificates also confirm the steel alloy by X-Ray Fluorescence Spectrometry (XRF) and the mechanical properties by third-party NATA Test Certificate numbers and results that are traceable to independent testing bodies.

All Bremick® Stud bolting is subjected to rigorous conformance testing throughout the manufacturing process together with extensive compliance testing of the finished product at the Bremick® NATA Accredited Test and Inspection laboratory in Sydney. Bremick® provides Certificates for individual assemblies, using batch identification numbering together with manufacturers marking. This enables full traceability from raw materials to delivered goods.

All Bremick® Stud bolting and associated nuts are manufactured and compliance tested in accordance with the "American Society for Testing and Materials" (ASTM Standards).



Cyclone Testing Station
Wind Engineering Research, Testing and Community Education



JAMES COOK UNIVERSITY
AUSTRALIA

Cyclone Testing Station
College of Science and Engineering
James Cook University
Townsville Qld 4811 Australia

Telephone (07) 4781 4722
Email: jcu.cts@jcu.edu.au
www.jcu.edu.au/cts

TEST SUMMARY SHEET – TS1039a
Reappraisal Date of Test Summary Sheet: 30 June 2020 (See Note 2 below)

Cyclic simulated wind load strength testing was conducted on Roofing Screw and Washer Fastener Assemblies. The testing was performed with the use of new materials provided by **Bremick Pty Ltd.**

Description of Fastener Assemblies and Set-Up Tested

Cladding Fastener: 14 gauge, 10 thread per inch self-drilling metal screws with length of 55 mm (displayed as 50 mm on packaging). Hex head sized for 3/8" socket and 14 mm washer. 7 mm of shank without threads below the head, then the threads extended 39 mm to the cutting tip which was 9 mm long. Unthreaded shank was 5 mm in diameter and the outside diameter of the thread was 6.3 mm. "Vee" thread with 10 threads per inch. The 50 mm length designation refers to the length from the underside of the fitted washer to the point of the screw. Fixed to supports with five fasteners per sheet per support in a 3, 2 crest fixing pattern.

Cyclone Washers: Aluminium bonded washer 25 mm in diameter with thickness of approximately 1.2 mm. Stepped conical shape. EPDM sealing washer bonded to underside of aluminium.

Cladding Details: Stated to be 0.42 mm and 0.48 mm BMT G550 grade steel tested and cover width of 700 mm.

Sheet Profile: Trapezoidal with 8 crests per sheet, with crests about 27 mm high and spaced at 100 mm centres.

Supports: 1.5 mm BMT Z15015 purlins. Strength of the supports was not evaluated.

Installation: Pierce fixed to the purlins with screw assemblies driven through the crests of the cladding into the supports. Installed with one crest overlapped for each side lap.

Manufacturer's Details

Name of Manufacturer: Bremick Pty Ltd
Address of Manufacturer: Unit F1, 62 Maddox Street, Alexandria NSW 2015

Report and Test Details

Report Details: Cyclone Testing Station Report No. TS1039, dated 7 June 2016
Report Title: Cyclic Simulated Wind Load Strength Testing of Roofing Screw and Washer Assemblies for Roofing Applications
Test Regimes: Cyclic wind load to *NCC 2016 LHL*


Test Results

Cladding Base Metal Thickness (mm)	Span Length (mm)	Target Test Pressure (kPa)	Result
0.42	1500/1500/1500	5.00	Pass.
0.42	900/900/900	9.61	Pass.
0.48	900/900/900	11.00	Pass.


*Note to derive Ultimate Limit State Design Pressures from Test Pressures appropriate variability factors must be applied

Conditions of Use


- Refer to Report No. TS1039, (contact Bremick) for full details of the Fastener Assemblies installation, test methods and results;
- These test results are based on legislation and standards that are current at the time of issue and may be subject to change. Therefore this Test Summary Sheet should be reappraised by the date noted.

Signed: 
Mr. S. J. Ingham
Senior Engineer

Date: 7/6/2016


Dr. D. Hentlerson
Director
Authorised Signatory

7/6/2016



WORLD RECOGNISED
ACCREDITATION

CORROSION PROTECTION SYSTEMS



The long term performance of fasteners is dramatically affected by atmospheric corrosion if the fasteners are not adequately protected.

The presence of pollutants, airborne salinity, moisture and temperature fluctuations in industrial and coastal environments are key factors for consideration when selecting fasteners.

Bremick® has 3 test sites for corrosion testing in compliance with AS 3566-2002. Each site is a different category of corrosion severity as defined in ISO 9223 and has been assessed according to that standard. The three sites collectively allow Bremick® to determine the life of our coatings in low, medium and high corrosion environments.

Our Bremick® Test Sites are classified as:

- + Sydney is a ISO9223 Category CX~C5 environment
- + Belmont NSW is a ISO9223 Category C5 environment
- + Newcastle Harbour is a ISO9223 Category C5~C4 environment

Revolution B8 Coating System – For all applications, including very severe marine and industrial environments

The Revolution B8™ coating system far exceeds the performance specifications of AS3566-2002. Revolution B8™ has a certified and unrivaled corrosion resistance of more than four times that of traditional mechanically galvanised Class 4 coatings.

The coating is fully warranted for use in environmental conditions up to and including ISO 9223 Category CX (Extreme) Very Severe Marine (Category C5) and Very Severe Industrial (Category C4) Zones. Very Severe Zones are characterised by Sea Spray and extend from Breaking Surf to approximately 150m inland.

