

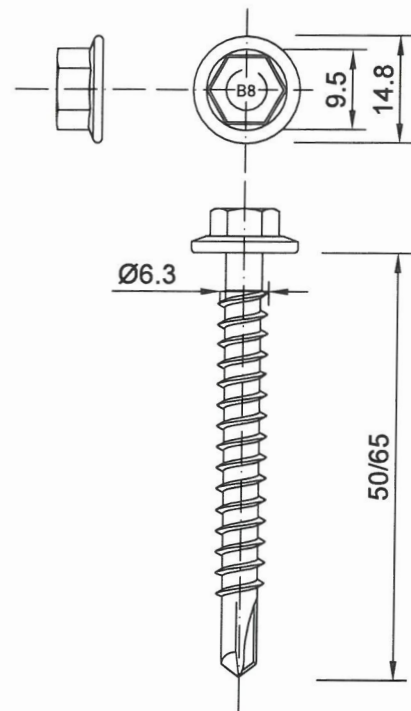
CYCLONE ASSEMBLY COMPONENTS

Comprising of self drilling screw & one piece cyclone washer

METAL DRILLING SCREW WITH BRA WASHER CYCLONE ASSEMBLY

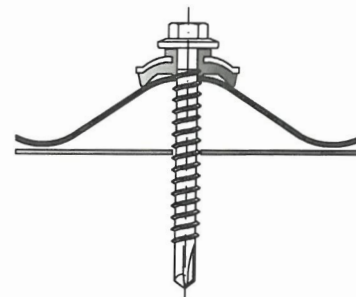
FOR SELF DRILLING INTO STEEL PURLINS
14-10 x 50mm
(HEAD MARKING B8 & BF)
All dimensions in mm (nominal)

Screws are Class 4 in accordance with AS3566



FASTENING:

STEELINE CORRUGATED 762
0.42mm BMT G550 min.

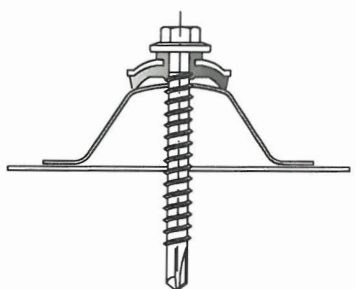


FASTENING TO:

STEEL PURLINS
1.5mm BMT min. G450 min.

FASTENING:

STEELINE STEEL CLAD 762
0.42mm BMT G550 min.

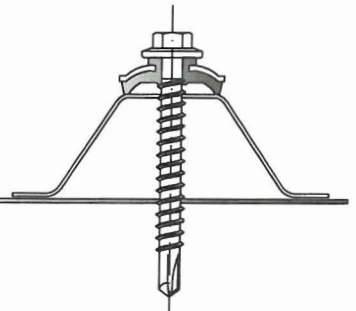


FASTENING TO:

STEEL PURLINS
1.5mm BMT min. G450 min.

FASTENING:

STEELINE STEEL SPAN 700
0.42mm BMT G550 min.



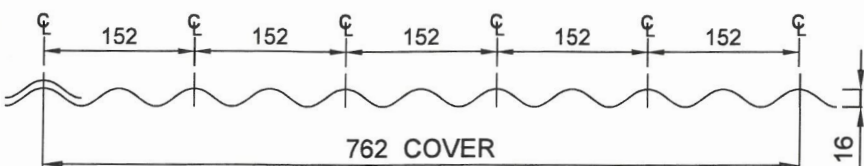
FASTENING TO:

STEEL PURLINS
1.5mm BMT min. G450 min.

CORRUGATED ROOFING PROFILE - STEELINE CORRUGATED 762

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (152mm Centres)
Spans Tested: 900mm End, 1150mm Intermediate, 900mm End



Supports

Steel Purlins
G450
1.5mm BMT min.

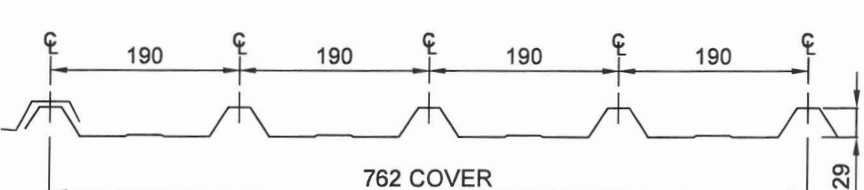
Crest Fixing

Bremick
Self drilling for metal
14-10x50 - BRA
Cyclone Assembly

SQUARE RIB ROOFING PROFILES - STEELINE STEEL CLAD 762

FASTENER SPACINGS

Crest Fastener Locations : Each Rib (190mm Centres)
Spans Tested : 1200mm End, 1500mm Intermediate, 1200mm End



Supports

Steel Purlins
G450
1.5mm BMT min.

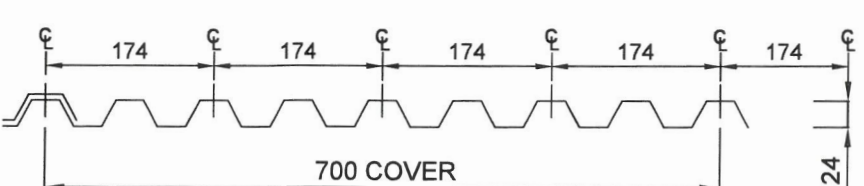
Crest Fixing

Bremick
Self drilling for metal
14-10x50 - BRA
Cyclone Assembly

SQUARE RIB ROOFING PROFILES - STEELINE STEEL SPAN 700

FASTENER SPACINGS

Crest Fastener Locations : Alternate Ribs (174mm Centres)
Spans Tested : 1200mm End, 1500mm Intermediate, 1200mm End



Supports

Steel Purlins
G450
1.5mm BMT min.

Crest Fixing

Bremick
Self drilling for metal
14-10x50 - BRA
Cyclone Assembly

Product Name

SDM BRA Cyclone Assembly

Product Description: Roofing Fasteners

SDM 14-10 x 50/65 - BRA
Cyclone Assembly with Steeline Profiles

Manufacturer's Details:

BREMICK Pty Ltd
F1, 62 Maddox Street
Alexandria NSW 2015
Ph: 02 8332 1501
Email: sales@bremick.com.au

Design Criteria

Fastener & support spacing to be controlled such that the maximum design loading per fastener or maximum design pressures do not exceed:

Table 1 : Strength Limit State Design Loads per Fastener

Roofing Profile	Test Load (kN)	C.O.V. (K _t)	Design Load (kN)
Corrugated 762	0.94	1.46	0.64
Steel Clad 762	1.19	1.38	0.86
Steel Span 700	1.12	1.46	0.77

Table 2 : Strength Limit State Design Pressures

Roofing Profile	Test Pressure (kPa)	C.O.V. (K _p)	Design Capacity (kPa)
Corrugated 762	6.02	1.46	4.12
Steel Clad 762	5.15	1.38	3.73
Steel Span 700	4.76	1.46	3.26

Limitations

1.This sheet confirms the structural adequacy of the roof sheeting assembly (sheeting, screw and washer) when correctly installed and does not extend to the capacity of the batten/purlin. Refer to the sheeting & batten manufacturers data for maximum support spacings. Axial withdrawal capacity for each fastener exceeds the 3.1kN requirements of AS3566.1: 2002 - Self-drilling screws for building and construction industries - General requirements and mechanical properties.
Strength limit state fastener loads have been derived from the test pressures using simplified static analysis with the uniform pressure (load) distribution.

2.Capacity of assembly pullover may be less than sheeting span capacity. Adjust sheeting spans accordingly.

3.The fastener is only applicable for use with Steeline cladding products with the conditions in this data sheet.

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/430/01-01

Chairperson Signature: *Elisha Harris*

Chairperson Name: Elisha Harris

Date of Approval: 06/11/2025 Expiry Date: 06/11/2030

Test Certificates

EngTest Report C120908-1, Test 1 Low-High-Low Cyclonic Testing of 0.42mm BMT G550 Corrugated Sheeting with SDM 14-10x50 Screws and BRA 25x1.2mm Washers, 13 December 2012
EngTest Report C120908-7, Test 7 Low-High-Low Cyclonic Testing of 0.42mm BMT G550 Steel Span Sheeting with SDM 14-10x50 Screws and BRA 25x1.2mm Washers, 13 December 2012

JCU Cyclone Testing Station Report TS1367, Cyclic Simulated Wind Load Testing of Bremick Roofing Screw Assemblies Installed into Steeline Roof Cladding Profiles, 3 December 2024.

Checking Engineer

Name: *LEO NOIKOS*
Registration Number: *70762*
Date: *11/8/2025*
Signature: *[Signature]*
Must be an Australian registered structural engineer.

Certifying Engineer

Name: *RACHAEL ZEUNER*
NT Registration Number: *309710ES*
Date: *11/8/2025*
Signature: *[Signature]*
Must be a registered structural engineer in the Northern Territory