



BDN FASTENERS



AS3566 Australian Standard
BUILDING FASTENERS

100% Made in Taiwan



ISO 9001:2015



About Us -

BDN Fasteners India is a premier supplier of high-performance fastening solutions, serving the construction, infrastructure, and steel fabrication industries across India. Based in India and backed by the global legacy of the BDN Fasteners brand, we deliver world-class fastening solutions engineered for strength, reliability, and durability across India's toughest applications. BDN Fasteners India ensures every joint performs at its peak from steel roofing in urban centers to heavy-duty truss fixings in industrial zones, supporting India's toughest applications.

www.bdnfastenersIndia.com





CAPACITY

BDN Fasteners® are manufactured on a 2000 square meter area which is comprised of Heading, Pinch Pointing, Threading and End-Cutting machines with a total capacity of 800 metric tons per month.

Primary Materials: C1022 Steel from CSC Taiwan

Products: Self-Drilling, Self-Tapping Screws

Size: M3.5~6.3

Length: 300mm (max)

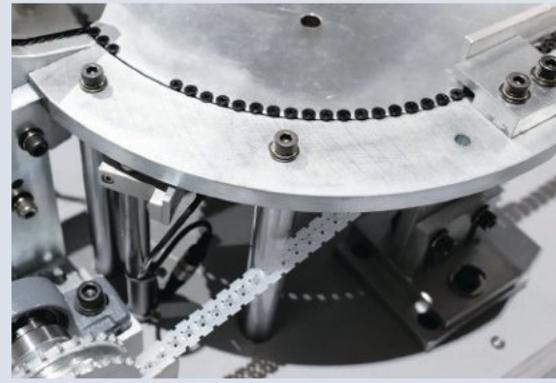




FACTORY



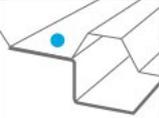
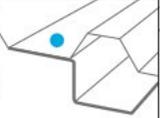
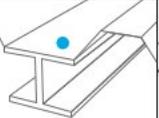
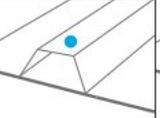
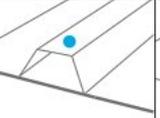
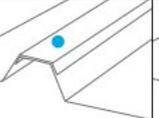
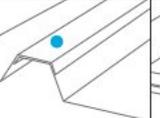
PACKAGING FACTORY



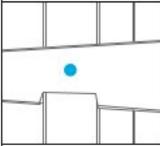
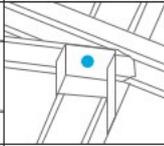
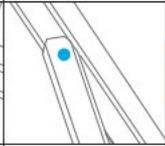
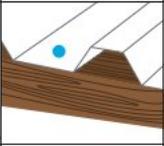
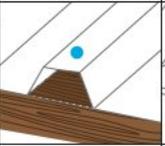
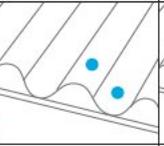
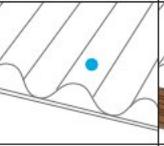
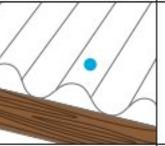
Product Overview - BDN Fasteners®

Coating Type: Zinc + Organic Coating (Ruspert)

SGS Certification: SST 1000 hrs + Kesternich 7 cycles

Type								
Product								
Application								
Max. drilling capacity [mm]	4.0mm thick (For #10 gauge)	6.0mm thick (For #12 gauge)	12.5mm thick	6.0mm thick	6.0mm thick	1+1mm thick	1+1mm thick	4.0mm thick
Gauge TPI x Length [mm]	10-16 x 16 10-16 x 19 10-16 x 25	12-14 x 20 12-14 x 25 12-14 x 30 12-14 x 35	12-24 x 32 12-24 x 38 12-24 x 50	12-14 x 50 12-14 x 55 12-14 x 65 12-14 x 75 12-14 x 85 12-14 x 110 12-14 x 130	12-14 x 45 12-14 x 55 12-14 x 65 12-14 x 75 12-14 x 90	15-15 x 20	10-16 x 19	10-24 x 16 10-24 x 22



								Type
								Product
								Application
4.0mm thick	1.5 + 1.5mm thick	0.75mm to 1.6mm thick	Min 20mm Timber penetration	Min 25mm Timber penetration	5.5mm thick	4.5mm thick	Min 25mm Timber penetration	Max. drilling capacity [mm]
M6.0-1.00 x 22	12-14 x 20	M8.0-2.12 x 16	10-12 x 20 10-12 x 25 12-11 x 25 12-11 x 30	12-11 x 50 12-11 x 55 12-11 x 65 12-11 x 75	12-14 x 40 (Valleys) 12-14 x 55 12-14 x 65 12-14 x 72 (Crests)	12-14 x 60	12-11 x 50	Gauge TPI x Length [mm]



METAL-Tite™

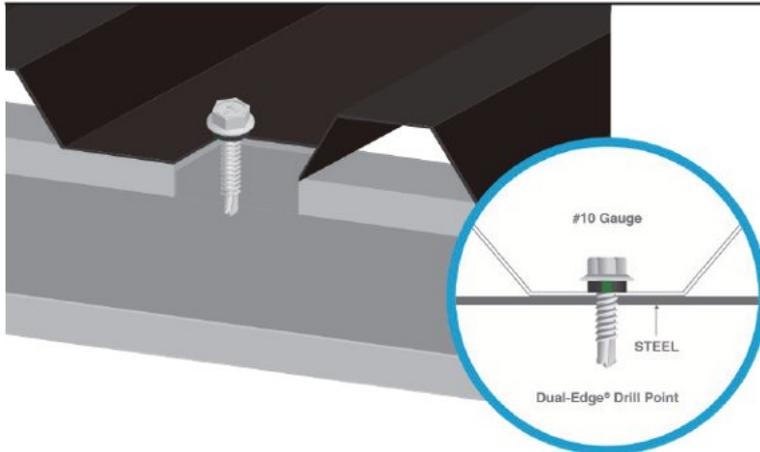
Fixing Cladding to Steel
#10 Gauge



METAL-Tite™

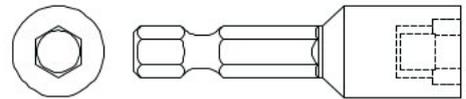
Valley Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")



STEEL PENETRATION

Max. 4.0mm thick (For #10 gauge)

PRODUCT FEATURES

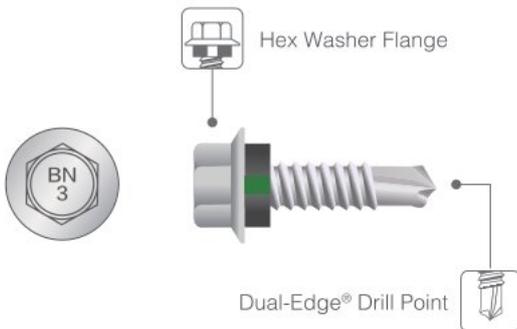
Hex Washer Flange
Dual-Edge® Drill Point

WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer



PART NUMBER

#10 Gauge

SDHC1016C3N 10-16 x 16mm

SDHC1019C3N 10-16 x 19mm

SDHC1025C3N 10-16 x 25mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

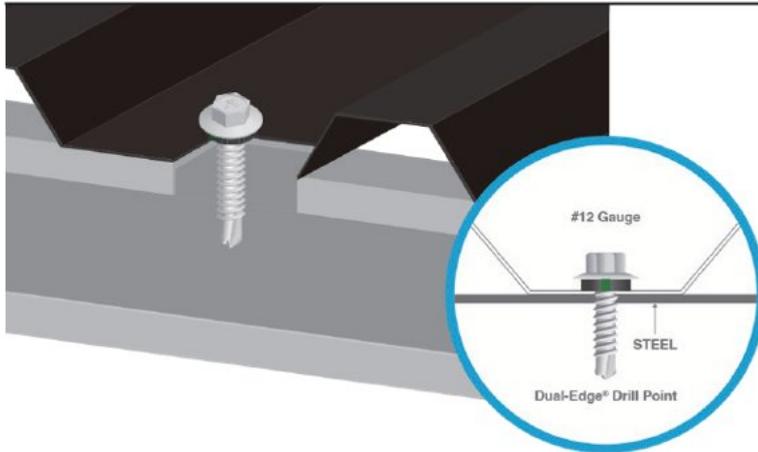
Fixing Cladding to Steel
#12 Gauge



METAL-Tite™

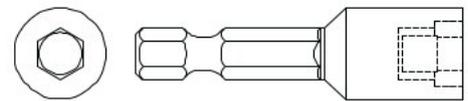
Valley Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")



STEEL PENETRATION

Max. 6.0mm thick (For #12 gauge)

PRODUCT FEATURES

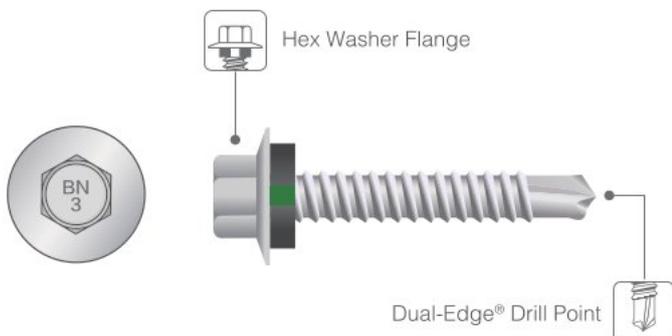
Hex Washer Flange
Dual-Edge® Drill Point

WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer



PART NUMBER

#12 Gauge

SDHC1220C3N 12-14 x 20mm

SDHC1225C3N 12-14 x 25mm

SDHC1230C3N 12-14 x 30mm

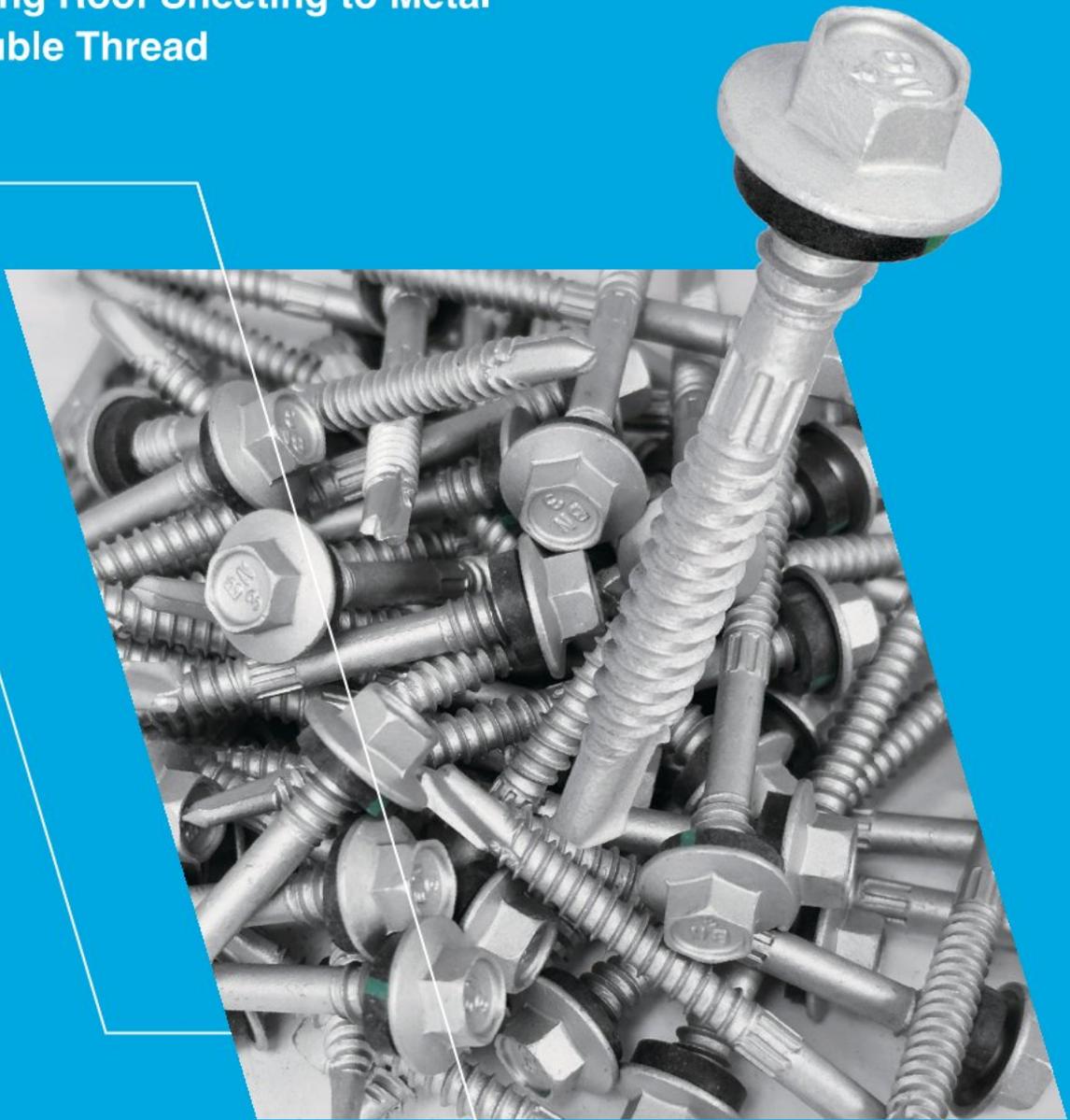
SDHC1235C3N 12-14 x 35mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

Fixing Roof Sheetting to Metal
Double Thread

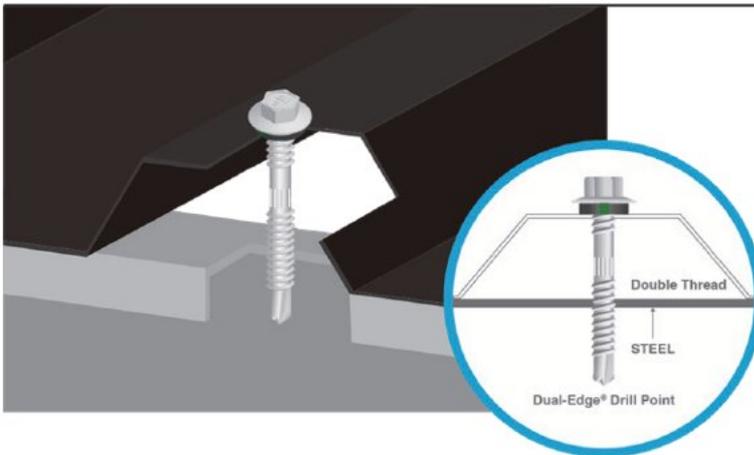


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METAL-Tite™

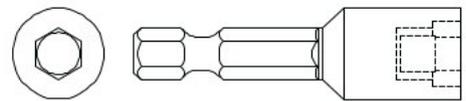
Crest Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")



STEEL PENETRATION

Max. 6.0mm thick (For #12 gauge)

PRODUCT FEATURES

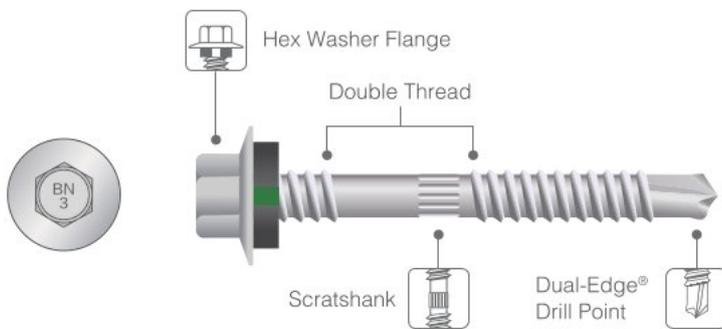
Hex Washer Flange
Dual-Edge® Drill Point
Double Thread
Scratchank

WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer



PART NUMBER

#12 Gauge

SDHCG1250C3N 12-14 x 50mm
SDHCG1255C3N 12-14 x 55mm
SDHCG1265C3N 12-14 x 65mm
SDHCG1275C3N 12-14 x 75mm

SDHCG1285C3N 12-14 x 85mm
SDHCG12110C3N 12-14 x 110mm
SDHCG12130C3N 12-14 x 130mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

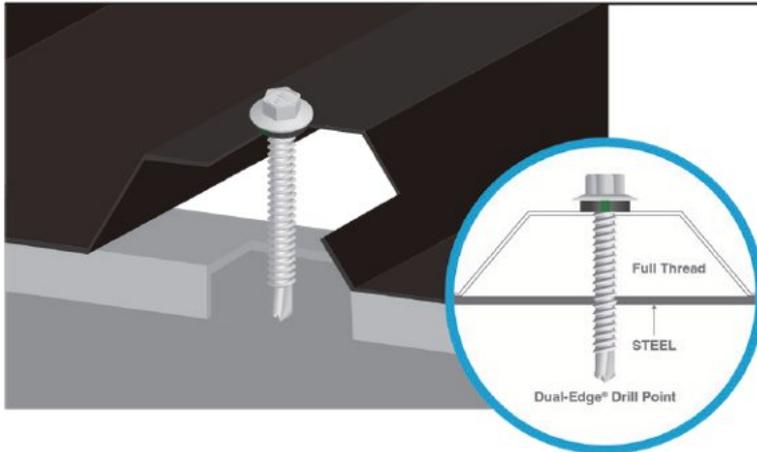
Fixing Roof Sheeting to Metal
Full Thread



METAL-Tite™

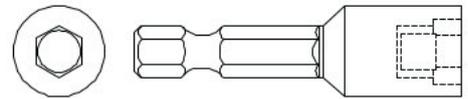
Crest Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")

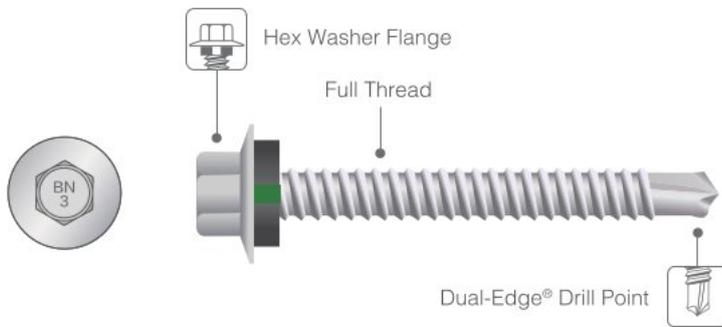


STEEL PENETRATION

Max. 6.0mm thick (For #12 gauge)

PRODUCT FEATURES

Hex Washer Flange
Full Thread
Dual-Edge® Drill Point



WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer

PART NUMBER

#12 Gauge

SDHC1245C3N 12-14 x 45mm
SDHC1255C3N 12-14 x 55mm
SDHC1265C3N 12-14 x 65mm

SDHC1275C3N 12-14 x 75mm
SDHC1290C3N 12-14 x 90mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

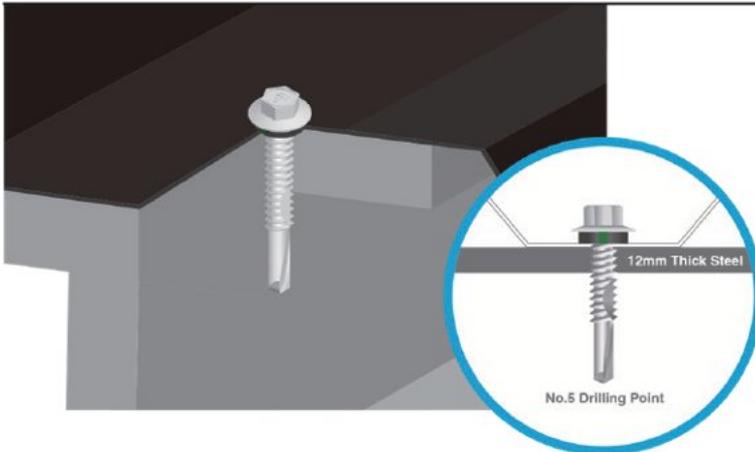
Fixing to Thick Steel



METAL-Tite™

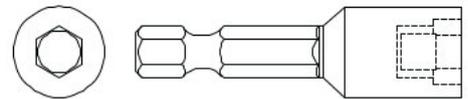
Heavy Section

The patented Thunder-Shot Drill Point is designed for fixing cladding to thick steel and drills through 12.5mm thick steel with ease.



ADAPTER TO USE

Magnetic Hex Socket (5/16")

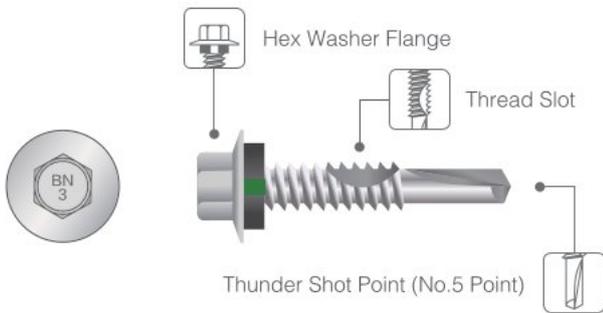


STEEL PENETRATION

Max. 12.5mm thick

PRODUCT FEATURES

Hex Washer Flange
Thread slot
No.5 Drilling Point



WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer

PART NUMBER

#12 Gauge

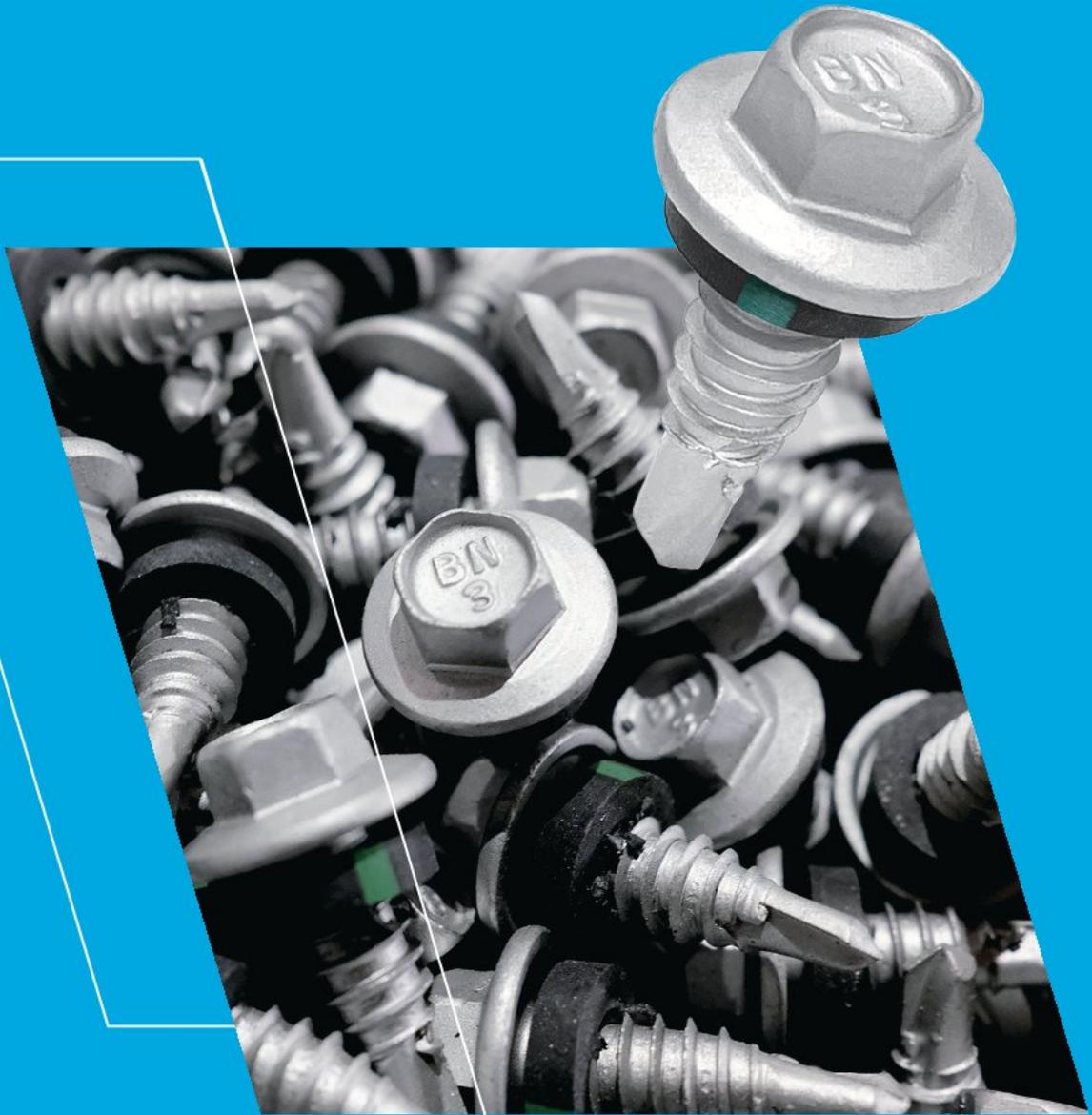
SDH5F1232C3N 12-24 x 32mm
SDH5F1238C3N 12-24 x 38mm
SDH5F1250C3N 12-24 x 50mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

Stitching Screws Fixing to Metal

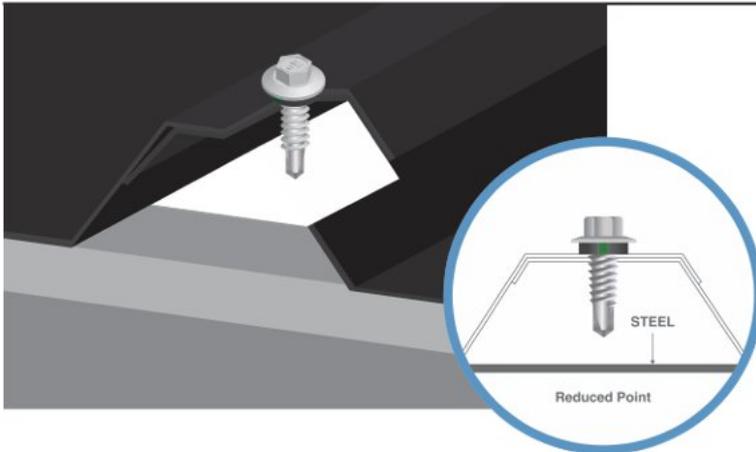


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METAL-Tite™

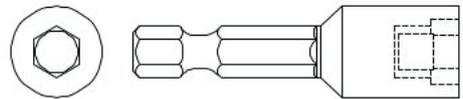
Stitching Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")

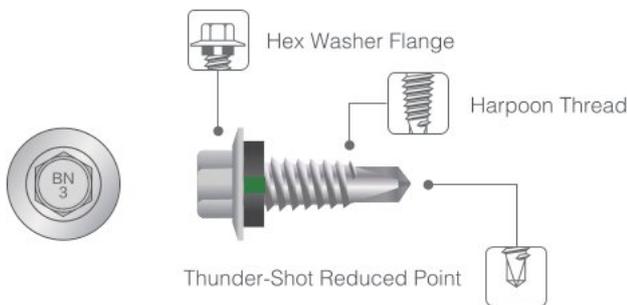


STEEL PENETRATION

Max. drilling capacity 1+1mm thick

PRODUCT FEATURES

Hex Washer Flange
Thunder-Shot Reduced Point
Harpoon Thread



WASHER

Eco-BDN® Green Washer



Eco-BDN
Green Washer

PART NUMBER

#15 Gauge

SDHC1520C3N 15-15 x 20mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

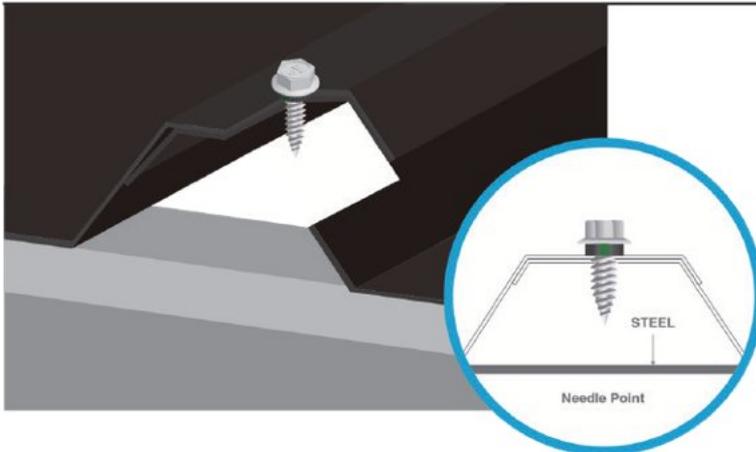
Stitching Screws Fixing to Metal



METAL-Tite™

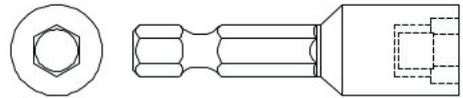
Stitching Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")

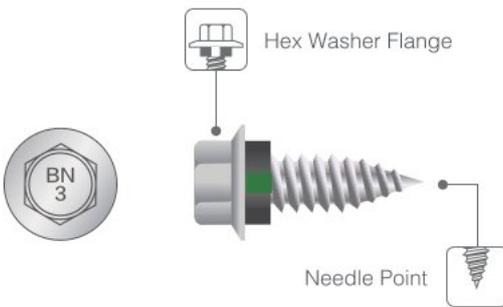


STEEL PENETRATION

Max. drilling capacity 1+1mm thick

PRODUCT FEATURES

Hex Washer Flange
Needle Point



WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer

PART NUMBER

#10 Gauge

SDHST1019C3N 10-16x19mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

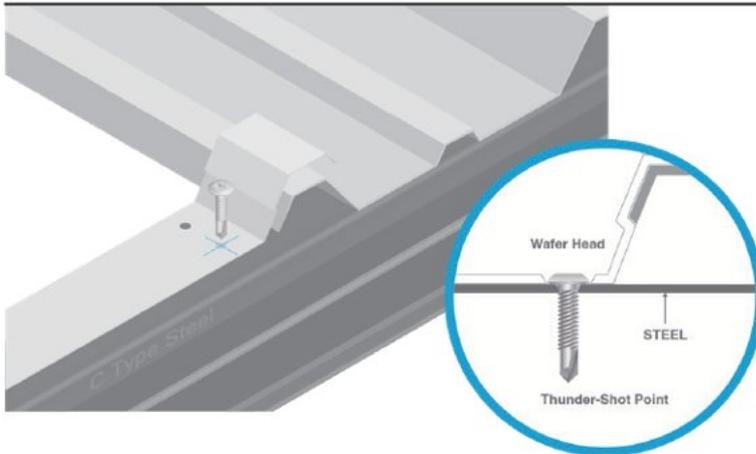
Concealed Fixing to Metal



METAL-Tite™

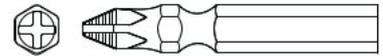
Concealed Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Philips Bit (PH2+)



STEEL PENETRATION

Max. 4.0mm thick

PRODUCT FEATURES

Wafer Head
Philips Drive
Thunder-Shot Point



PART NUMBER

SDWF1016C3 10-24 x 16mm

SDWF1022C3 10-24 x 22mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

METAL-Tite™

Truss to Plate Connection

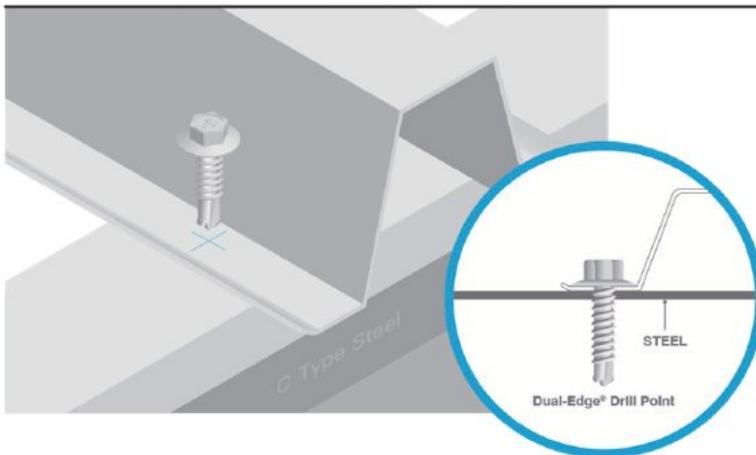


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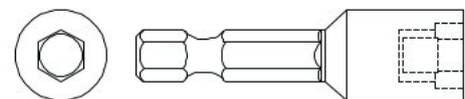
Truss to Plate Connection

Follow Australian AS3566 standards, and are designed for fixing steel trusses to steel ranging from 0.75mm to 1.6mm thick.



ADAPTER TO USE

Magnetic Hex Socket (5/16")

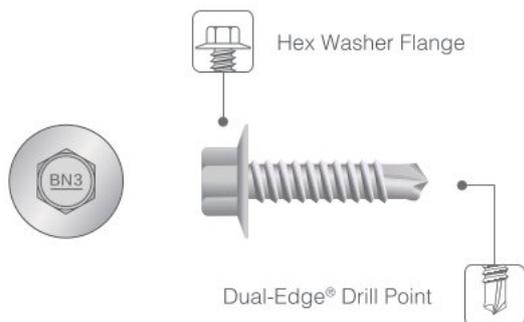


STEEL PENETRATION

Max. drilling capacity 1.5+1.5mm thick

PRODUCT FEATURES

Dual-Edge® Drill Point
High pull-out strength



PART NUMBER

#12 Gauge

SDHCF1220C3 12-14 x 20mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

FRAME-Tite™

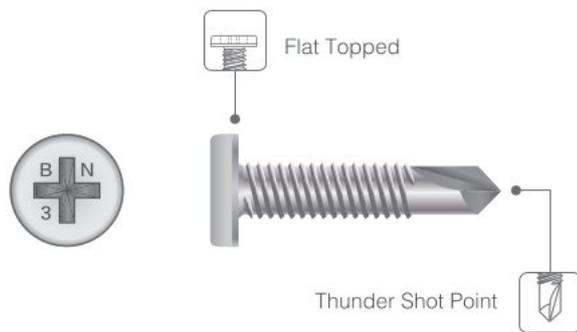
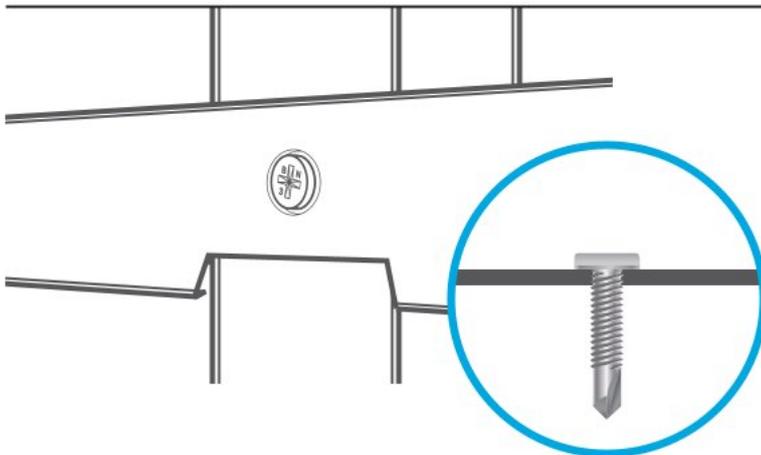
Fixing to Steel Wall Frames



FRAME-Tite™

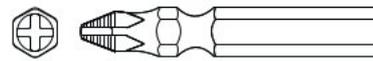
Fixing to Steel Wall Frames

Flat top frame screw is designed for stud to plate connections and connection lintels to plate without pre-punched holes.



ADAPTER TO USE

Philips Bit (PH3+)



STEEL PENETRATION

Max. 4.0mm thick

PRODUCT FEATURES

- Smooth flat top head for discreet fixing
- Superior holding strength
- Easy application

PART NUMBER

SDFHSF0622C3 M6.0-1.00 x 22mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

TIMBER-Tite™

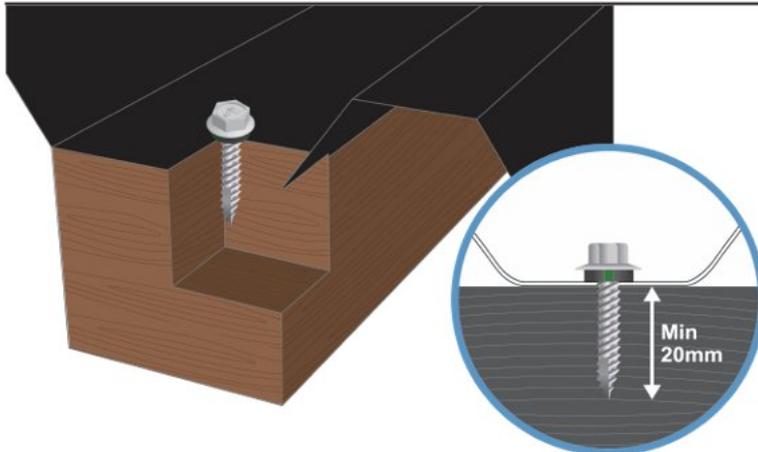
Fixing Cladding to Timber



TIMBER-Tite™

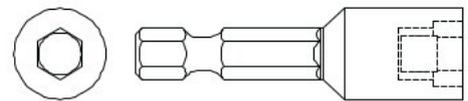
Valley Fixing Fasteners

Carbon steel fasteners for fixing steel sheets into timber substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")



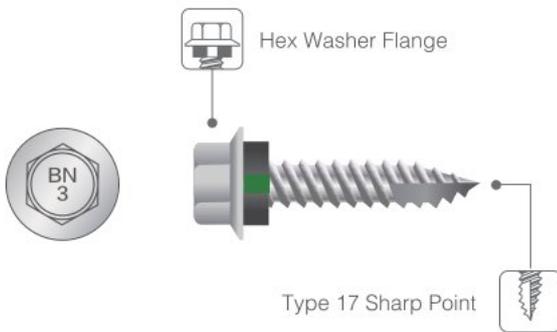
TIMBER PENETRATION

Min. 20mm penetration

PRODUCT FEATURES

Hex Washer Flange

Type 17 Sharp Point



WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer

PART NUMBER

#10 Gauge

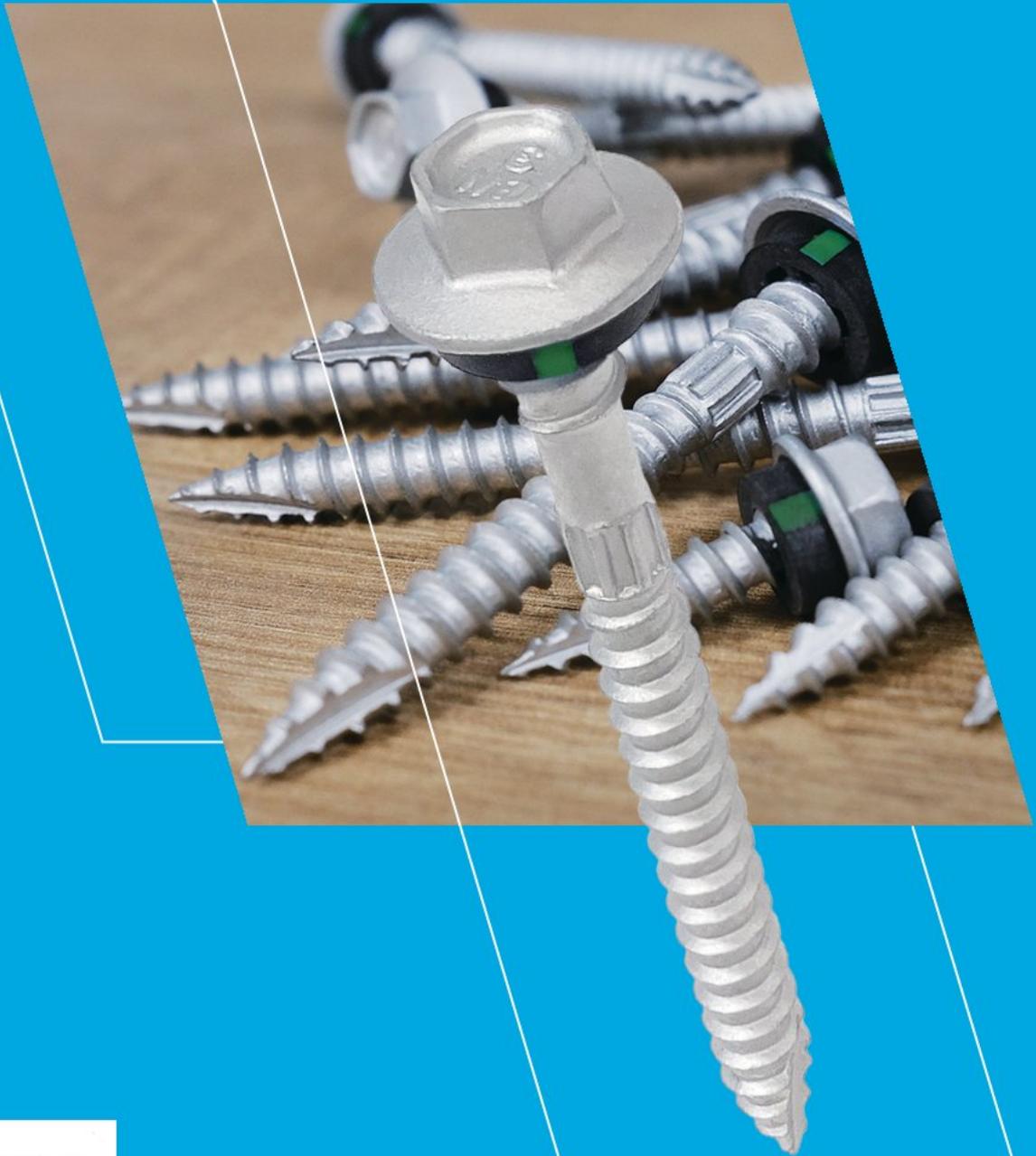
T17H1020C3N 10-12 x 20mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

TIMBER-Tite™

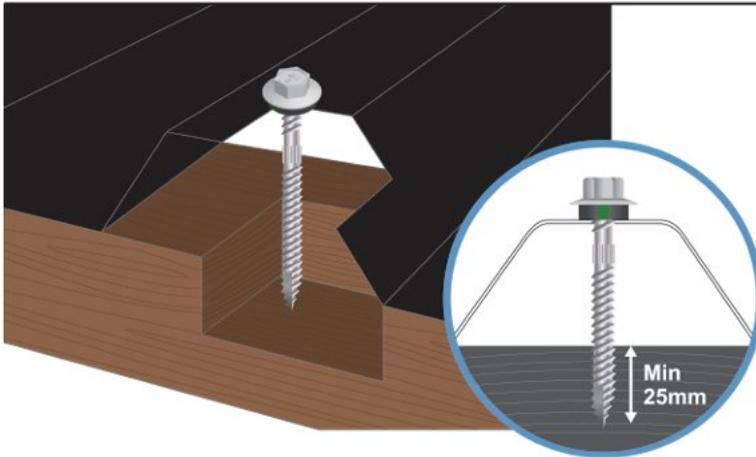
Fixing Roof Sheeting to Timber



TIMBER-Tite™

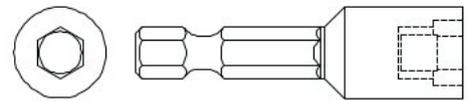
Crest Fixing Fasteners

Carbon steel fasteners for fixing steel sheets onto steel substrates



ADAPTER TO USE

Magnetic Hex Socket (5/16")



TIMBER PENETRATION

Min. 25mm penetration

PRODUCT FEATURES

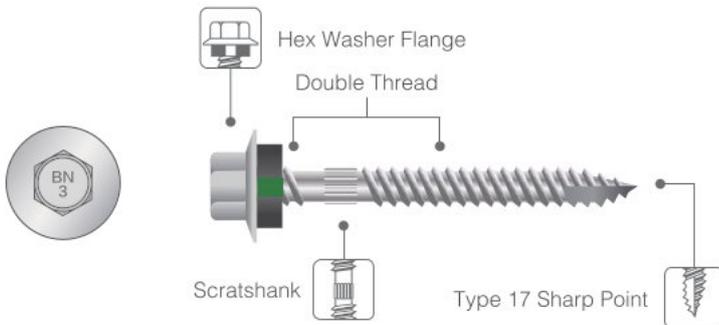
Hex Washer Flange
Type 17 Sharp Point
Double Thread
Scratchank

WASHER

Eco-BDN® Green Washer



 Eco-BDN
Green Washer



PART NUMBER

#12 Gauge

T17HCG1250C3N	12-11 x 50mm
T17HCG1255C3N	12-11 x 55mm
T17HCG1265C3N	12-11 x 65mm
T17HCG1275C3N	12-11 x 75mm

SST 1000 hrs + Kesternich 7 cycles

*For sizes not indicated, please contact for further information

POLYXPAND™

Plastic Skylight Fixing Fasteners

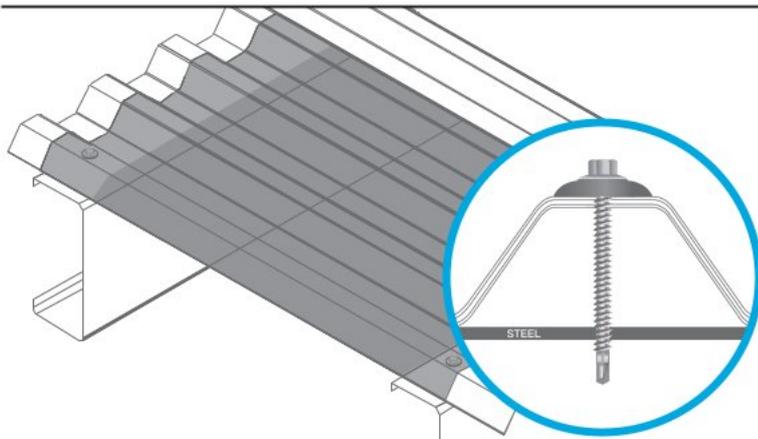


www.bdnfastenersIndia.com

POLYXPAND™

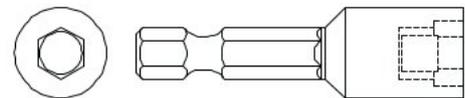
Plastic Skylight Fixing Fasteners

Carbon steel fasteners which creates a thermal expansion hole on plastic skylight sheets and fix onto steel substrates in one-go.



ADAPTER TO USE

Magnetic Hex Socket (5/16")



STEEL PENETRATION

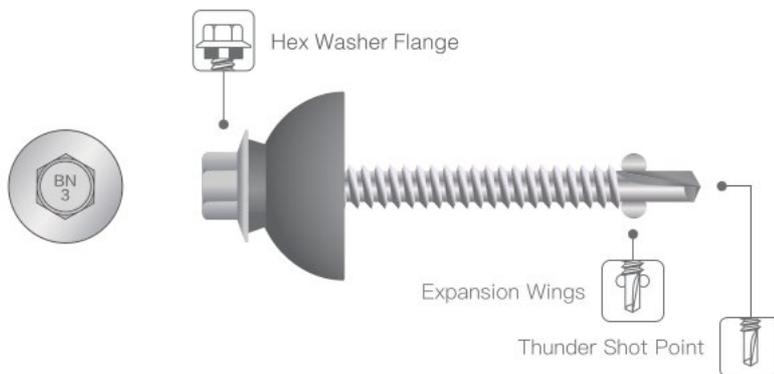
Max 5.5mm Thick

PRODUCT FEATURES

Hex Washer Flange
Expansion Wings
Thunder-Shot Point

WASHER

Ø 25mm Dome Grey EPDM



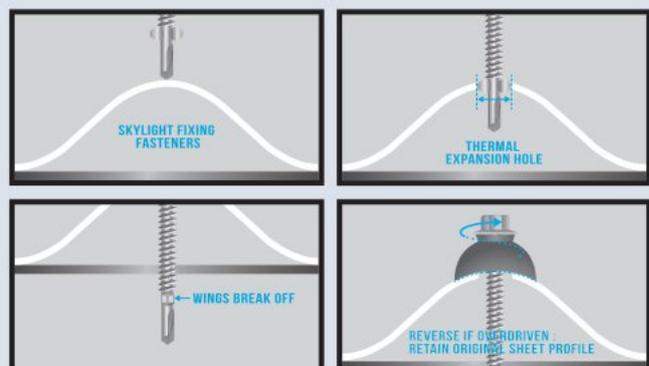
PART NUMBER



BN3 Series

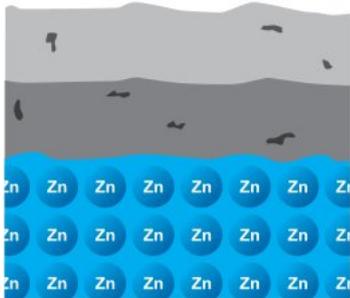
SST 1000 hrs + Kesternich 7 cycles

SDHCP1240C3D 12-14 x 40mm
SDHCP1255C3D 12-14 x 55mm
SDHCP1265C3D 12-14 x 65mm
SDHCP1272C3D 12-14 x 72mm

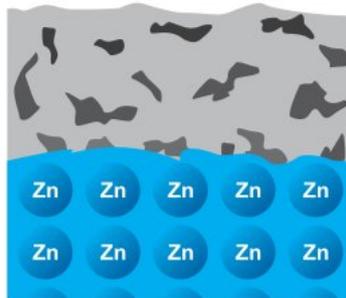


Test Certificates - Surface Treatment

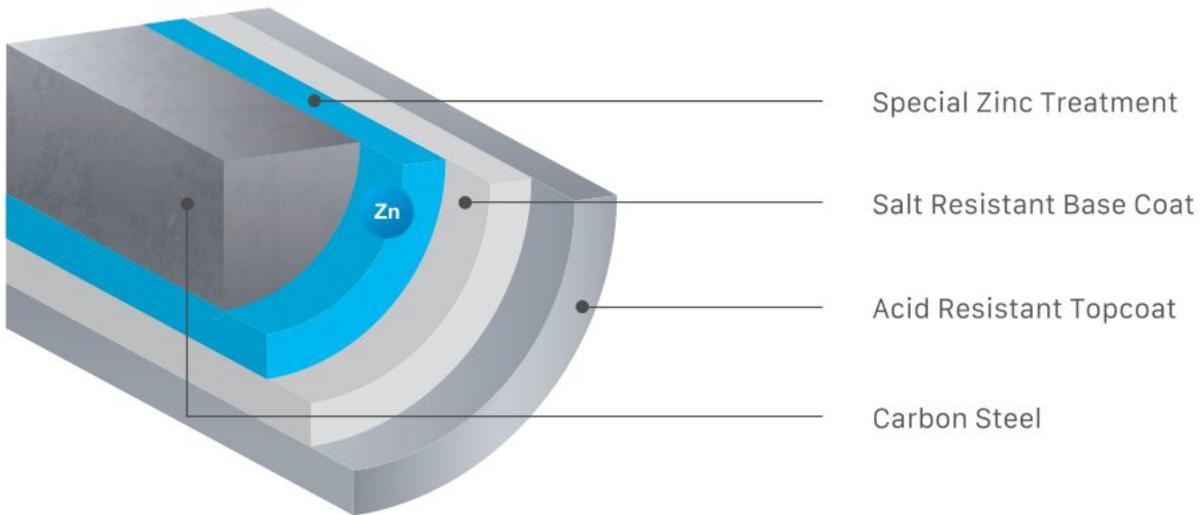
BDN® Ruspert Coating consists of multiple layers of specially formulated coatings that can easily withstand 1000hrs of salt spray test (AS 2331.3.1-2001), and 15 Kesternich cycles (DIN50018 2.0 SFW).



BDN® Ruspert Coating



Conventional Coating



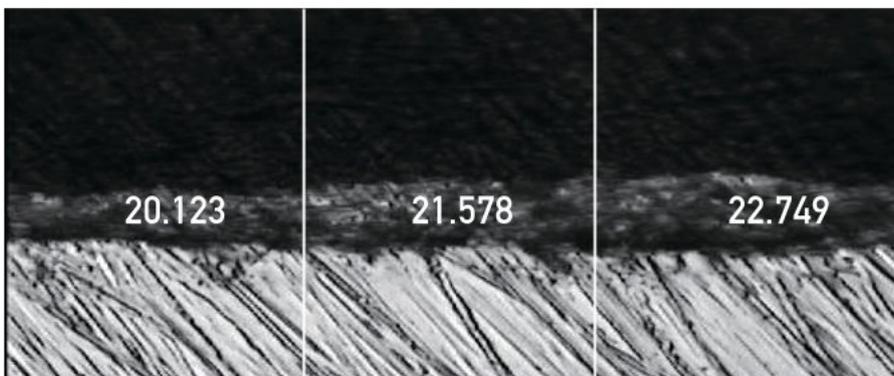
Special Zinc Treatment

Salt Resistant Base Coat

Acid Resistant Topcoat

Carbon Steel

Coating Thickness: 18-25um



Test Certificates - Washers

Report date: Dec. 05, 2022 tested by SGS and Nov. 04, 2022 tested by PIDC

Product range: ECO-BDN GREEN EPDM WASHER

Technical Specification:

	Fastener Gauge: #10		
	Outside Diameter (mm) 9.6	Inside Diameter (mm) 4.9	Thickness (mm) 2.6
	Fastener Gauge: #12		
	Outside Diameter (mm) 11.1	Inside Diameter (mm) 6.7	Thickness (mm) 2.6
	Fastener Gauge: #14		
	Outside Diameter (mm) 11.1	Inside Diameter (mm) 7.5	Thickness (mm) 2.6

 **Eco-BDN
Green Washer**



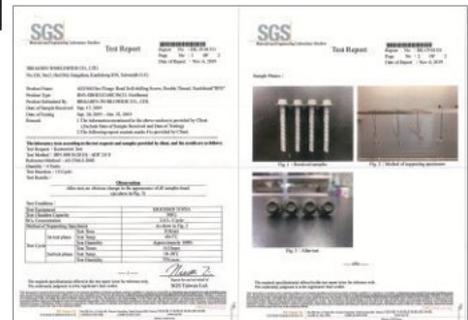
BDN FASTENERS, guarantee that the goods from the above "Product range" complies with the Australia & International Standards details below.

ASTM Method	Test Description	Specification	Result
D2240	Shore 'A' Hardness	80 +/- 5	82
D412	Tensile Strength (Mpa)	4.0 min	7.79
	Elongation (%)	150 min	410
D624	Tear Strength (kN/m)	20 min	33
D395	Compression set (%)	-	27
D573	Heat Resistance 70hrs @100°C	-	-
	Tensile Strength Change (%)	+/-10	+11
	Elongation Change (%)	+/-25	-22
	Hardness Change (Type A/1 sec)	+/-25	+4
D1171	Resistance to Ozone (100hrs@40°C)	-	100ppm No cracks
D2137	Low Temperature Brittleness (3min@-50°C)	-	Non-brittle
D257	Surface Resistivity (Ω)	-	Non-conductive
	Volume Resistivity(Ω-cm)	-	Non-conductive

Quality Assurance



To show our commitment to being a trustworthy supplier, and provide the best product and services, **BDN Fasteners®** are manufactured and quality controlled following ISO standards, and is of course, ISO-9001:2015 certified.



SGS Certification

BDN Fasteners BN3 Series screws are regularly sent to SGS for Kesternich & Spray Salt Test (1000 hrs) certification.

As part of our new quality assurance policy, which aims to provide high quality, third-party laboratory certified products – customers will now receive the most up-to-date corrosion resistance certifications upon request.



QUALITY CONTROL IN PROCESS



PRE-PRODUCTION INSPECTION

Drawing Check
Specific Conditions Check

HEADING / THREADING / PINCH POINTING

Machinery Condition Check
Molds and Dies Inspection and Setup

HEAT TREATMENT

Strictly controlled process
Fully equipped with well maintained case depth and hardness testers

SURFACE TREATMENT

Well equipped with salt-spray and corrosion test machinery

PRE-SHIPMENT INSPECTION

Manual Sorting and Rearrangement
Optical Sorting (Optional)

FINAL INSPECTION

Dimension
Functionality
Aesthetics

PRE-SHIPMENT SAMPLES SENT UPON REQUEST



Packaging Guide



Brand new packaging, upsized logos, spiced up head markings and more!
Updated color scheme means you'll never have trouble spotting trusty **BDN Fasteners®** anymore!

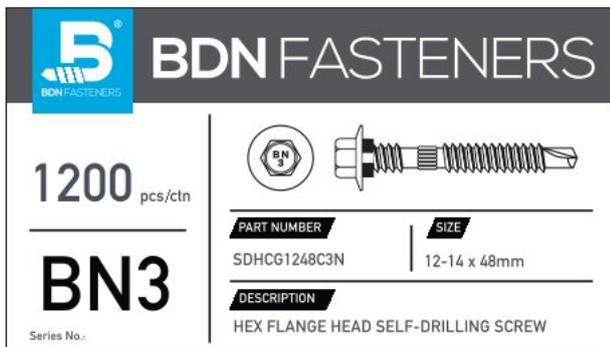


Size: 270 x 390 x 200 mm

Product Label

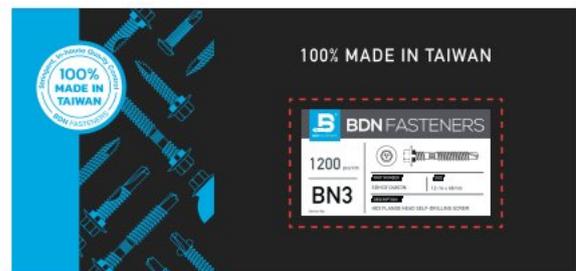
BDN Fasteners® come with large, easy to read product labels. Each product has its own unique label showing the product category, packaged quantities, size, part no., color, and description.

To re-order, use the Part No., Product Description, and Color Code as indicated below. This information can be easily obtained from any of our existing packaging.



Size: 140 x 80 mm

✓ CORRECT



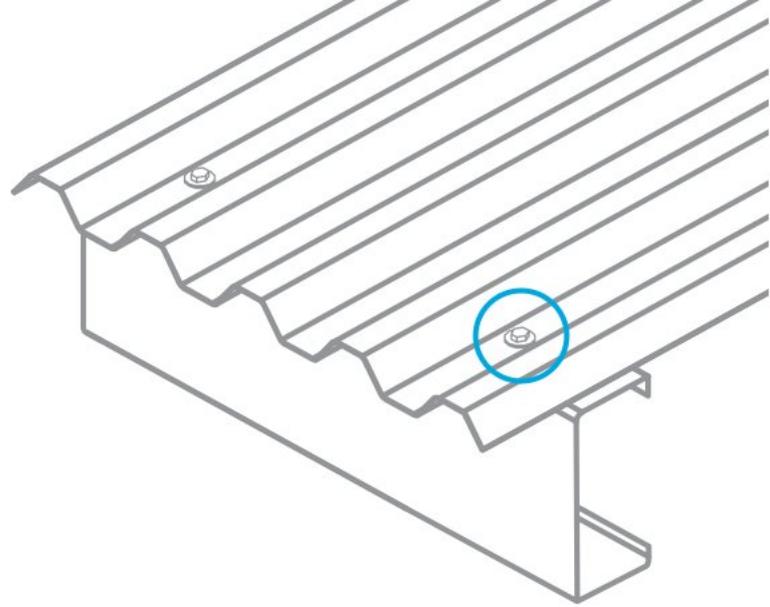
All **BDN Fasteners®** product labels must be placed at the designated area on the carton as stated below.

⚠ DO NOT!



BDN Fasteners® product labels are always placed at the center of the box.

Pullout Values



BDN FASTENERS into Steel



Screw Gauge / TPI	Steel Thickness				
	0.75mm Batten	1.20mm Stud	1.5mm Purlin	1.9mm Purlin	2.4mm Purlin
10-16 x L	1,860	2,320	4,200	5,500	7,820
10-24 x L	-	2,320	4,280	5,820	7,680
12-14 x L Screw Length longer than 20mm	-	1,980	3,040	5,160	6,960
12-14 x L Screw Length 20mm or Shorter	-	2,200	4,080	5,420	7,360

(Unit:Newtons)

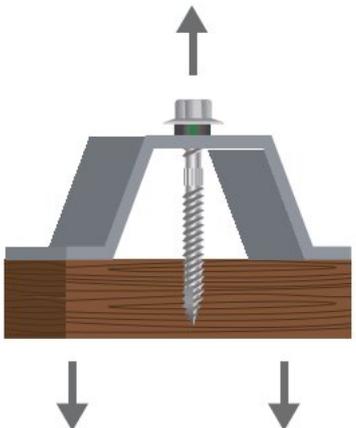


BDN FASTENERS into Timber, Lightweight Battens & Steel



Screw Gauge / TPI	0.55mm Steel Batten	0.75mm Steel Batten	F7 Pine Timber	F17 Hardwood
10-12 x L (T17S)	1,320	2,220	5,700	6,000
12-11 x L (T17S)	1,510	2,400	3,900	6,460

(Unit:Newtons)



Mechanical Properties

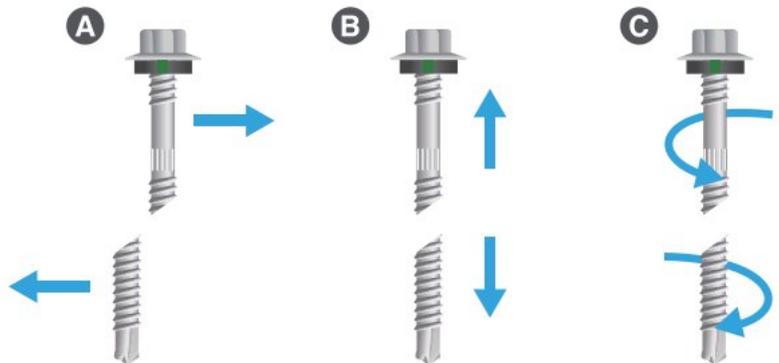


Screw Gauge / TPI	Single Shear Strength (N)	Axial Tensile Strength (N)	Torsional Strength (Nm)
10-16 x L	6,800	11,900	6.9
10-24 x L	6,200	11,400	7.4
12-14 x L	8,800	15,300	10.9
12-11 x L (T17S)	8,400	13,900	9.4

A Single Shear Strength (N)
The shear load required to break the screw

B Axial Tensile Strength (N)
The tensile load required to break the screw

C Torsional Strength (Nm)
The torque required to break the screw





BDN FASTENERS



BDN FASTENERS® OFFICE - INDIA

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