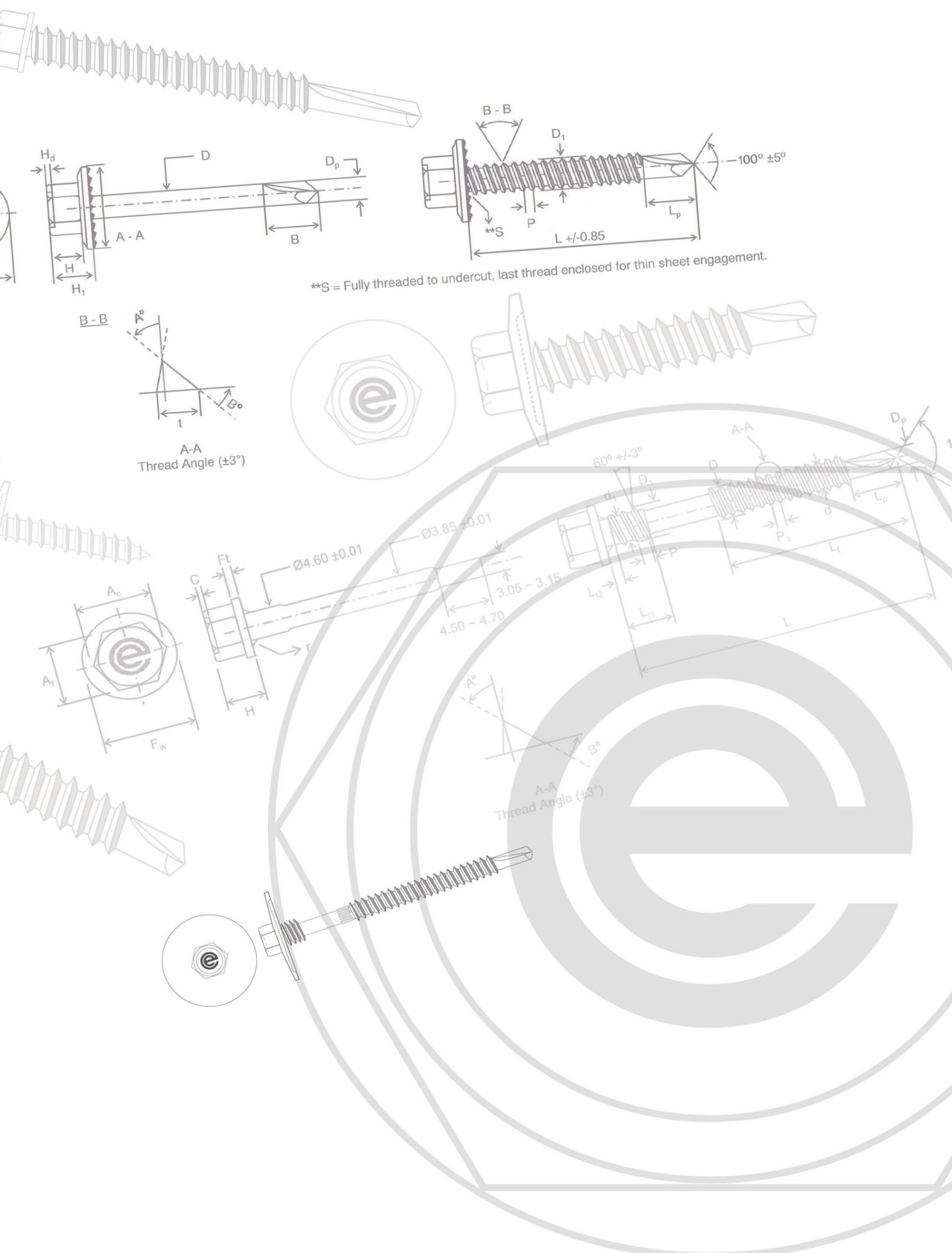


CORROSHIELD®

F A S T E N E R S

CATALOGUE





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CORROSHIELD®

F A S T E N E R S

STEELTAPP® Series

Carbon Steel Fasteners for Roof and Facade

METAPP®	15
Carbon steel fasteners for fixing steel sheets into steel substrates	
WINTAPP®	42
Fasteners for window frame construction	
TRUSSTAPP®	46
Carbon steel fasteners for fixing steel sheets into steel as well as timber substrates	
TIMTAPP®	51
Carbon steel fasteners for fixing steel sheets into timber substrates	
DUOTAPP®	56
Carbon steel fasteners for fixing steel frames or trusses	
POLYTAPP®	60
Carbon steel fasteners for fixing skylights to steel or timber substrates	
FIBRETAPP®	64
Carbon steel fasteners for fixing corrugated fibre cement sheets into steel or timber substrates	
CONTAPP®	68
Carbon steel concrete self-tapping fasteners	

ALUTAPP® Series

Stainless Steel Fasteners for Roof and Facade

BIMATAPP®	73
Stainless Steel construction fasteners with carbon steel drill point	

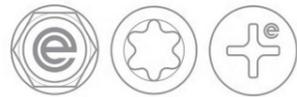


INTRODUCTION

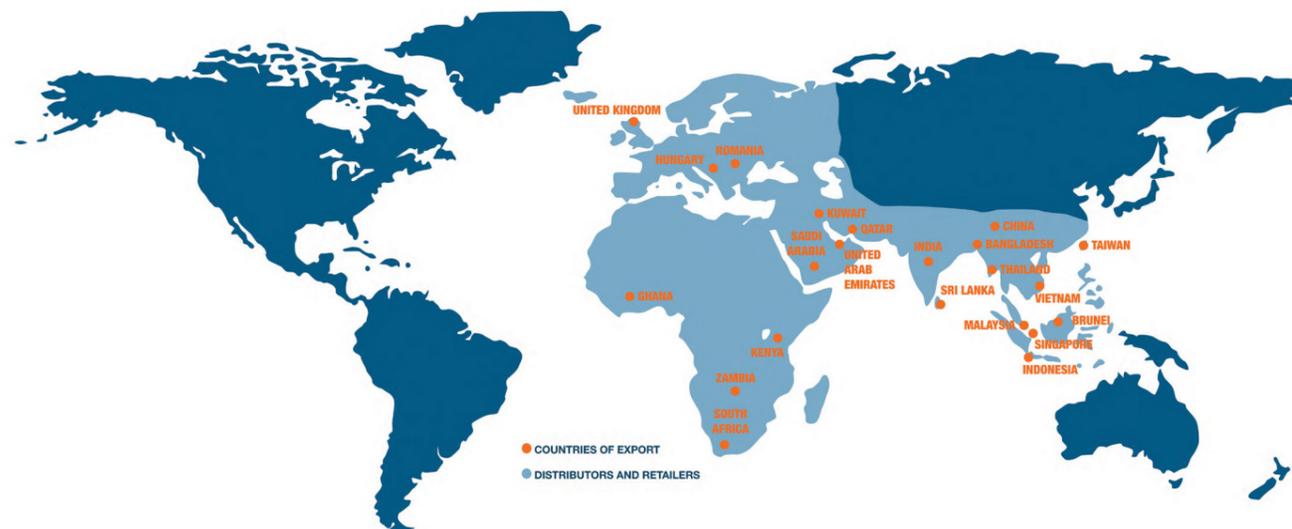
We are the leading manufacturer of construction and industrial fasteners. With production, research and development experience since 1989, we have established our **CORROSHIELD®** branding as the premium fastening choice. Our reputation is built on quality and we have collaborated with several clients on extensive research and development to develop unique fastening solutions that far exceed conventional designs.

Our ISO certified manufacturing facilities are located in Taiwan and China, and we are equipped with modern machineries and high-end quality control laboratories to churn out one of the finest fasteners in the world.

Global customers will receive sales and technical support from our team of engineers and authorised distributors located in more than 20 countries around the world. We provide professional consultation to architects, consultants and engineers on fastening solutions on project basis. We also provide fastening cost evaluation and fastener corrective proposal to manufacturing plants.



GLOBAL NETWORK



CORROSHIELD®

F A S T E N E R S

PRODUCT RANGE

ALUTAPP®

Fastener Material
Stainless Steel
Fastener Application
Aluminium Sheets Into Steel / Timber Substrates

304TAPP® - Stainless Steel Grade 304 construction fasteners

BIMATAPP® - Stainless Steel construction fasteners with carbon steel drill point

DYNO®

Fastener Material
Carbon Steel / Stainless Steel
Fastener Application
Fasteners for structural joints

BOLTS - Heavy structural bolts for steel construction

NUTS - Heavy structural nuts for steel construction

WASHERS - Heavy structural washer for steel construction

ANCHORS - Structural anchors for foundation

RODS - Sag / Threaded rods for steel construction

SHEAR CONNECTORS - Shear connectors as per AWS D1.1

STEELTAPP®

Fastener Material
Carbon Steel
Fastener Application
Steel Sheets Into Steel / Timber Substrates

METAPP® - Carbon steel fasteners for fixing steel sheets into steel substrates

TIMTAPP® - Carbon steel fasteners for fixing steel sheets into timber substrates

DUOTAPP® - Carbon steel fasteners for fixing steel frames or trusses

TRUSSTAPP® - Carbon steel fasteners for fixing steel sheets into steel as well as timber substrates

POLYTAPP® - Carbon steel fasteners for fixing skylights to steel or timber substrates

BOTAPP® - Carbon steel fasteners for fixing boards into steel or timber substrates

WINTAPP® - Fasteners for window frame construction

CONTAPP® - Carbon steel concrete self-tapping fasteners

FIBRETAPP® - Carbon steel fasteners for fixing corrugated fibre cement sheets into steel or timber substrates

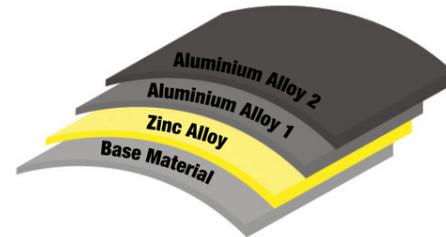
CORROSHIELD® COATING

— MICROSTRUCTURE

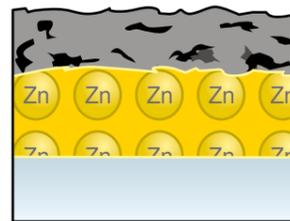
Extensive research on coating options brought us to this final formula that has proven its anti-corrosion performance for the last few decades. Combining the use of zinc and aluminium alloy, these two components bring about the best protection for your outdoor application without blowing a hole in your pocket. Zinc with its self-sacrificial characteristics acts as the last barrier of protection, while Aluminium Alloy acts as the front line to prevent penetration of contaminants. These high density multi layers of coatings are specially treated to ensure closer molecular structure to give you that necessary protection. **CORROSHIELD®** Coatings is not all about putting on layers to give you that protection, the science behind corrosion protection includes study into surface preparation, coating adhesion rate, compatibility of coatings, just to name a few. Corrosion protection is the very core of our business emphasis and our coating expertise extends not only to the construction industry, but also the hostile environment of an offshore oil rig.

All **CORROSHIELD®** Coatings are thoroughly batch tested and we have long term tie ups with third party internationally accredited test laboratories*. To find out about our recommended coating range for the various environments, please refer to our **CORROSHIELD®** Coating & Warranty Guide. If you are interested to get our engineer to provide your organisation with comprehensive training on anti-corrosion fastener selection, kindly contact us for more details.

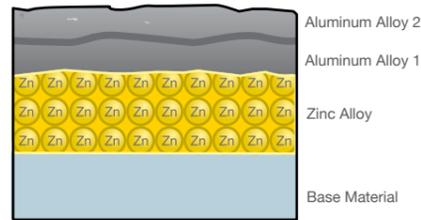
* Updated laboratories test results available upon request.



CORROSHIELD® Coating composition



Conventional Coating



CORROSHIELD® Coating

CORROSHIELD® COATING & WARRANTY GUIDE

Conducting extensive research and testing is our way of assuring ourselves of our consistency in product quality. These testing are conducted in collaboration with internationally accredited laboratories to acquire unbiased test results. These testing also confirmed the accuracy of our internal inspection standard and procedures. Through these thorough testing, we extend this confidence we have in our products to our customers.

CORROSHIELD® Fasteners that are mentioned in the table below are covered under our international warranty, assuring our customers that the fasteners will perform for a minimum number of years before becoming structurally unreliable due to premature corrosion.

EPDM SPECIFICATION DATA SHEET

Typical Properties of Black / Grey **CORROSHIELD®** EPDM Washers

EPDM is cross-linked copolymer consisting of ethylene, propylene and a proportion of diene. This elastomer is particularly characterised by very good ageing and atmospheric resistance. EPDM is stable in: Hot water, stem, stud, ketoned, hydraulic fluids from the HFC group which have poor flammability and few HFD types, acids, bases, glycol - based brake fluids, cooling water fluid (water ethylene glycol), ozone, Skydro® 500 and 700 (phosphate ester fluids).

PROPERTIES	VALUE	TEST METHOD
TEST TEMPERATURE	-45°C TO + 150°C	-
DUROMETER HARDNESS	70(+/-5)	ASTM D2240
TENSILE STRENGTH	10 MPA(1450PSI) MIN	ASTM D412
ULTIMATE ENLOGATION	250%MIN	ASTM 412A/C
HEAT RESISTANCE	HEAT AGING 70 HRS @ 100°C CHANGE / HARDNESS MAX. +/-10PTS CHANGE / TENSILE MAX. +/- 25% CHANGE / ULTIMATE ENLONGATION MAX. -25%	ASTM D573
COMPRESSION SET	MAX.25%	ASTM 395B
OZONE RESISTANCE	NO OBSERVED EFFECT (70HRS @ PPHM) 100% QUALITY RETENSION FACING	ASTM D1171
LOW TEMP BRITTLENESS	NON - BRITTLE 3 MINS @ -55°C	ASTM D2137

CORROSION CLASS	ENVIRONMENT	OUTDOORS	INDOORS	STEEL MASS LOSS (g/m2) THICKNESS REDUCTION (µm)	ZINC MASS LOSS (g/m2) THICKNESS REDUCTION (µm)	RECOMMENDED FASTENER MATERIAL AND MINIMUM SURFACE TREATMENT	WARRANTY PERIOD
C2	Rural	Atmospheres with low levels of airborne pollution.	Non-heated areas with fluctuating levels of temperature and humidity. Sports hall, warehouses.	≤ 10 ≤ 1.3	≤ 0.7 ≤ 0.1	Carbon Steel + CORROSHIELD® SERIES 10	20 Years
C3	Urban and light industrial	Atmospheres with moderate levels of airborne pollution. Coastal areas with low salt levels.	Areas with moderate levels of humidity and some airborne pollution from production process. Laundries, breweries, dairies.	> 10 - 200 > 1.3 - 25	> 0.7 - 5 > 0.1 - 0.7	Carbon Steel + CORROSHIELD® SERIES 30	20 Years
C4	Industrial	Atmospheres with discernible levels of airborne pollution. Coastal areas with moderate salt levels.	Areas with high levels of humidity and considerable airborne pollution from production process. Chemical plants, swimming pools, dockyards.	> 200 - 400 > 25 - 50	> 5 - 15 > 0.7 - 2.1	Carbon Steel + CORROSHIELD® SERIES 50	20 Years

Environmental Categorisation as per Swedish Standards, SS-EN-ISO 12944-2

KNOWING YOUR ENVIRONMENTAL CONDITION CAN REDUCE YOUR COST YET SECURE YOUR ROOF FURTHER !

**OUR BRAND NEW SERIES ARE DESIGNED TO SURVIVE IN DIVERSE
ENVIRONMENTAL CONDITIONS
(MINIMUM OF 20 YEARS UP TO A LIFETIME WARRANTY)
EACH SERIES HAS BEEN DESIGNED TO PERSIST IN A SPECIFIC ENVIROMENT**

Selection of fasteners are done in 4 simple STEPS

- 1. TYPE OF ENVIRONMENT**
- 2. CHOICE OF APPLICATION**
- 3. TYPE OF FEATURES NEEDED**
- 4. SIZES REQUIRED**

With such selection process we are able to provide you with the most suitable fastener for your environmental and application needs effectively !



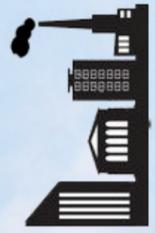
SERIES 10

For Clean & Light Applications

Low levels of airborne pollution
Rural areas

- ◆ Inorganic coating (Zinc-Aluminium alloy coating)
- ◆ Overlapping passivated zinc & aluminium flakes in an inorganic binder (patented chemistry)
- ◆ Resistant to bimetallic corrosion. Aluminium flake eliminates the typical bimetallic cell of most zinc coatings when mated with aluminium or steel
- ◆ Solvent resistant, inorganic nature causes it to be resistant to organic solvents

20 YRS WARRANTY



SERIES 30

For Moderate Applications

Moderate airborne pollution
Coastal areas with low salt deposits
Urban and light industrial areas

- ◆ Tri-Seal high molecular coating technology
- ◆ 3 layers of zinc film, chemical conversion film and ceramic top coating. This combination is bonded together through chemical reactions to form a rigid coat
- ◆ Film and substrate are heat treated and solidifies and becomes a single integrated unit cutting off external contaminations
- ◆ Reduce dissimilar metal contact, and reduce corrosion between products and substrates
- ◆ Strong anti-scratch feature, tight adhesion to intricate contours
- ◆ High resistance to salt water & many chemicals (e.g. Alkaline & Acid)
- ◆ Superior resistance to corrosive gases

20 YRS WARRANTY



SERIES 50

For Heavy Duty Applications

Sever airborne pollution
Coastal area with moderate salt deposits
Industrial areas

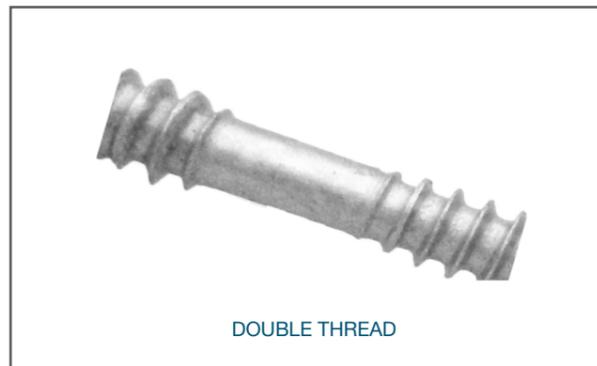
- ◆ Chrome free duplex coating technology
- ◆ Combines an inorganic zinc-rich base coat with an aluminium-rich friction-modified topcoat
- ◆ Inorganic base coat is developed for superior heat-resistant corrosion performance
- ◆ Organic topcoat provides minimum friction while providing outstanding adhesion, heated loosening performance and chemical resistance
- ◆ Engineered for use in areas of high UV exposure and other harsh outdoor elements
- ◆ Excellent bimetallic corrosion resistance
- ◆ Alleviates hydrogen embrittlement concerns
- ◆ Repeatable torque tension characteristics
- ◆ Resistant to acids and alkalis, and automotive fuels and fluids

20 YRS WARRANTY

INNOVATIONS

ScratchShield®

ScratchShield® is a ribbed feature at the end of the lower thread of a crest fixing fastener. It is capable of removing burrs and smoothening out the sharp edges of the roof sheet created by the fastener's drill point penetration. At the same time, the hole diameter is marginally enlarged to allow scratch free entry of the fastener without compromise on the sheet holding strength of the upper thread. **ScratchShield®** prevents damage to the coating on the screw's shank prolonging the lifespan of the fastener and the building system by up to 40%. In a crest fixing application, the hollow space between the roof sheet and the immediate substrate layer is an area of high humidity. Moisture from the rising air coupled with heat from the sheets puts the fasteners' service life to test. **ScratchShield®** is a standard feature in most of our crest fixing fasteners.

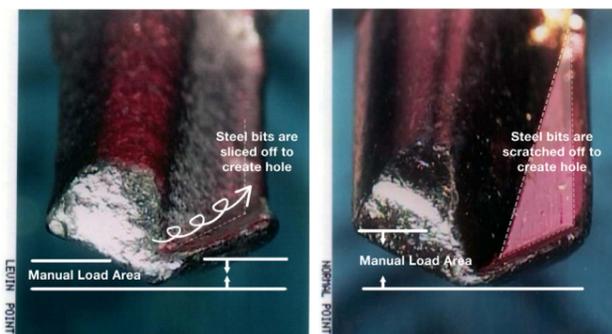


Double Thread

Double Thread feature carries two different diameter on a single fastener. M5.5 at the lower thread and M6.3 for the upper thread. This design is especially effective for crest fixing or insulated panel applications. The upper thread portion is enlarged in diameter to create that re-tapping effect into the top layer of the thin sheet and increases the pull out performance at the re-tapped portion. This improvement in pull out provides additional resistance especially during installation phase where workmen frequently walk all over the installed roof or panel. In an insulated panel situation, the differing diameter aids in holding the 2 ply of sheets rigid even in the event of internal deterioration or shrinkage of insulation materials.

LEVIN® DRILL POINT

LEVIN® Drill Point revolutionizes the way self-drilling fasteners perform. The unique design slices off steel rather than scrap it. This effect is especially prominent when one witness the curled up steel burrs that is produced during penetration into steel. The effect is similar to that of a high speed steel drill bits. With such a design, user require lesser manual load to apply fasteners into steel application. **LEVIN®** Drill Point is also equipped with a 'Z' point design. This creates an indentation in the steel substrate on the initial rotations keeping the fasteners stable and accurate during installation process. **LEVIN®** Drill Point when coupled with the correct equipment* reduces wastage, shorten man-hours, improves overall installation quality and workmanship.



* We recommend fasteners with **LEVIN®** Drill Point to be used only with electric screwdrivers with torque setting features. Kindly contact us for recommendations.

BUY ORIGINAL FOR QUALITY

Carton Boxes

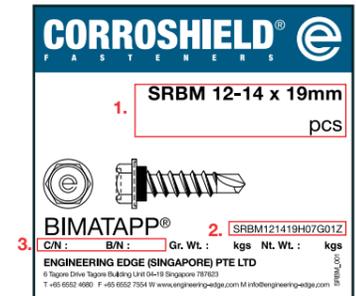
CORROSHIELD® are packed either in white or brown carton boxes and finished with unique product labels.



Product Labels

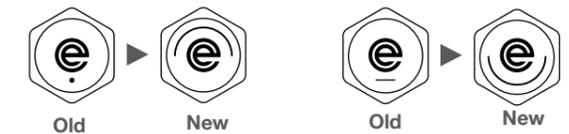
All authentic **CORROSHIELD®** and **TAPPMAN®** products packing comes with their unique labels. Our products are 100% traceable to our production lines, with the information below.

1. Product Code
2. Part Number
3. Carton Number (C/N) and Batch Number (B/N)



Product Markings

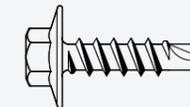
CORROSHIELD® Fasteners will bear these new product markings with effects from 1st of May 2015. Any new orders placed after this date would be using this new product marking.



FASTENERS DESIGNS

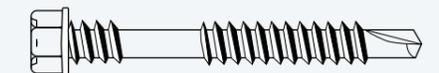
Full Thread Design

Recommended for Vally / Wall Fixing



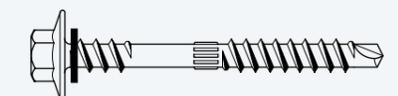
Double Thread

Recommended for Crest Fixing.
For general non-critical applications only.



Double Thread with ScratchShield®

Recommended for Crest Fixing
ScratchShield® removes burr from remain free of scratches and damages during installation, which in turn keeps the coating intact and fully functional



INSTALLATION GUIDE

 The type of drill gun to be used:

- a) Electric Screwdriver
- b) Makita brand, Model 6827 or BORCH, Model GSR 8-6 KE (Model may vary in India)



Drill Gun

 Speed / Torque to be set:

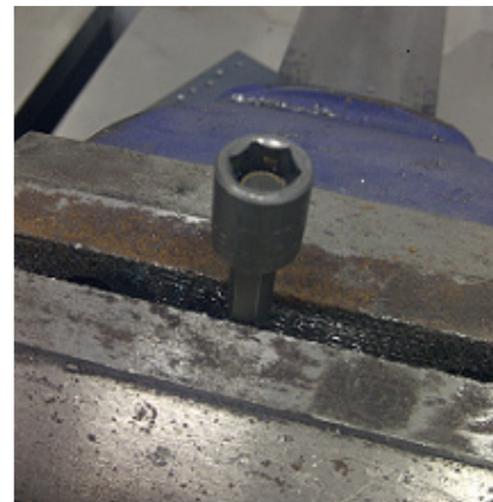
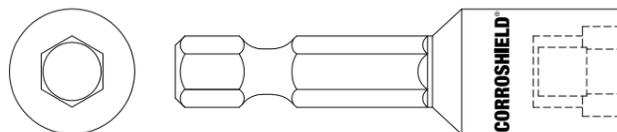
- a) Speed to be set is 1,800rpm
- b) Torque clutch to be set at 2 or 3
- c) Driving torque at 18 – 24 Nm (180 – 240 kg/cm)



Speed / Torque Setting

 Magnetic Socket:

- a) Corroshield screws to be use with Corroshield Hi-Torque Magnetic Hex Socket as the socket is design on Corroshield screws manufacturing spec. and no other socket to be used, Other socket may not be suitable as a result will cause damaged to the head of the screws.
- b) Corroshield Magnetic Socket could only be use up to 2,500 times or est. 550sqm of roof area.
- c) Refer to Photo on the below, if item don't look like this means it is due for change.
- d) If socket is not replace when it is due, it may cause damaged to the head, stretching the coating on the head or cause the grinding the Hex head to become round.



Magnetic Socket

CORROSHIELD®

F A S T E N E R S

Steel Applications



METAPP® SERIES

METAPP®

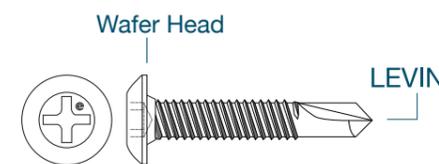
- Carbon steel fasteners for fixing steel sheets into steel substrates

Standard Features of METAPP®

Hex Washer Flange

LEVIN™ Drill Point

Black/Grey Round Cut EPDM Washer



STEEL PENETRATION

Max. 4.5mm thick

ADAPTER TO USE

CORROSHIELD®
Hi-Torque Philips Bit (PHBT 001)

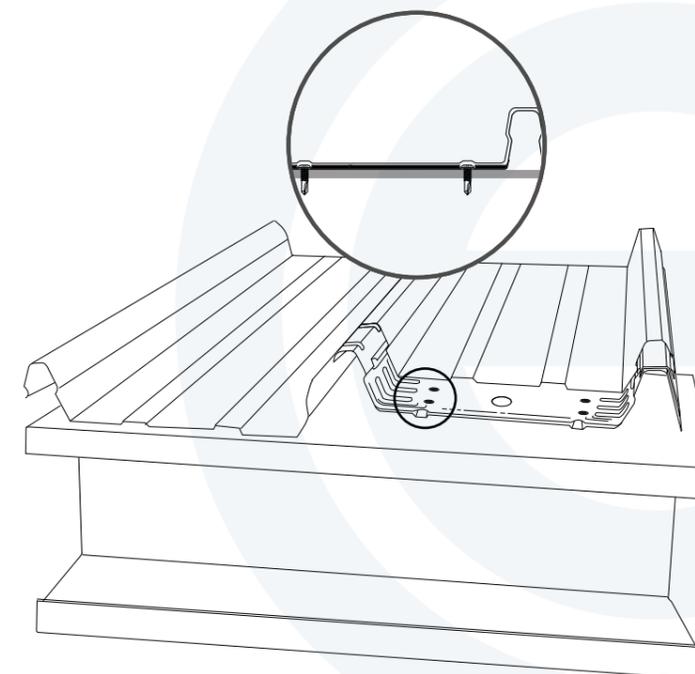


DESCRIPTION

Wafer Head Philips Drive
LEVIN® Drill Point

PRODUCT FEATURE/S

LEVIN® Drill Point

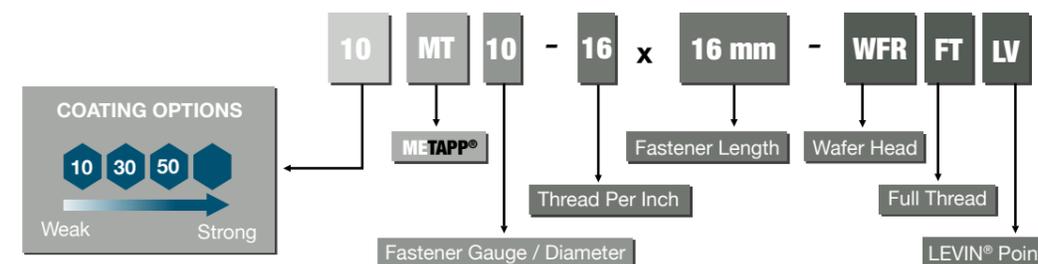


Part Number

- MT 10 - 16 x 16mm
- MT 10 - 24 x 16mm
- MT 10 - 16 x 22mm
- MT 10 - 16 x 25mm
- MT 10 - 16 x 40mm
- MT 10 - 16 x 45mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

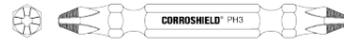


STEEL PENETRATION

Max. 10mm thick

ADAPTER TO USE

CORROSHIELD®
Hi-Torque Philips Bit (PHBT 005)

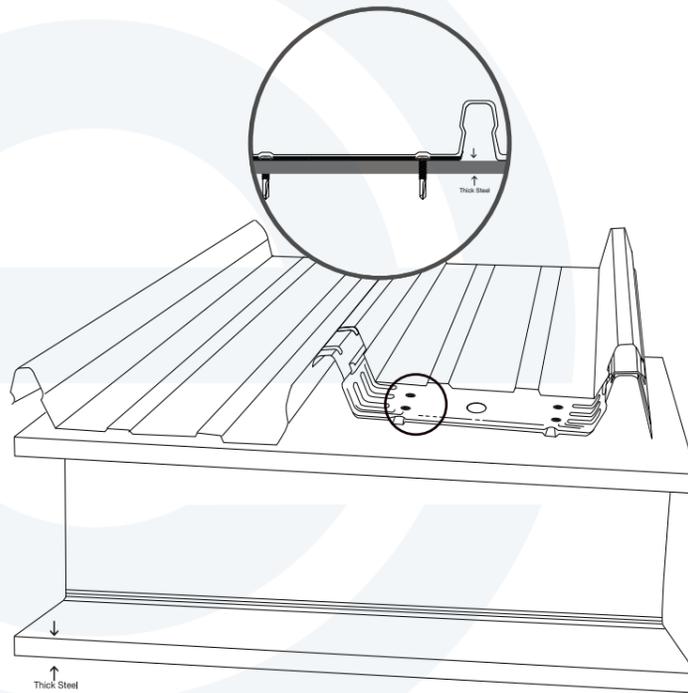
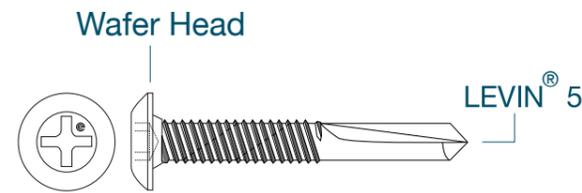


DESCRIPTION

Wafer Head Philips Drive
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

LEVIN® 5 Drill Point

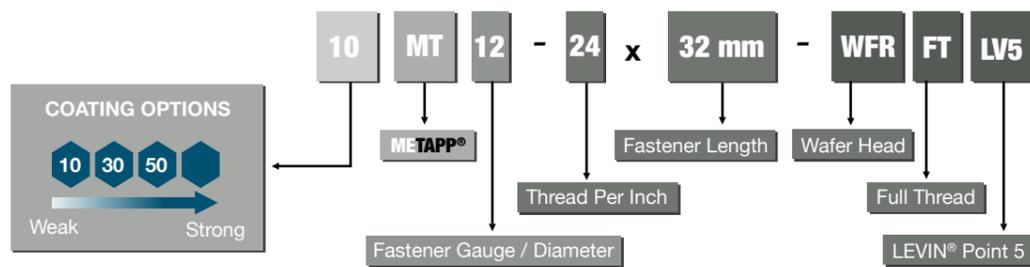


Part Number

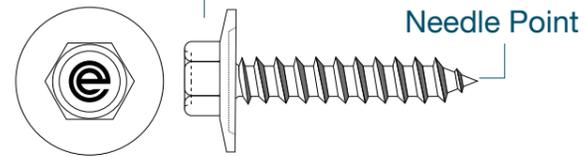
MT 12 - 24 x 32mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



Hex Washer Flange

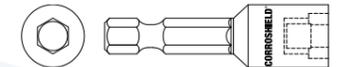


STEEL PENETRATION

Max. 1.0mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

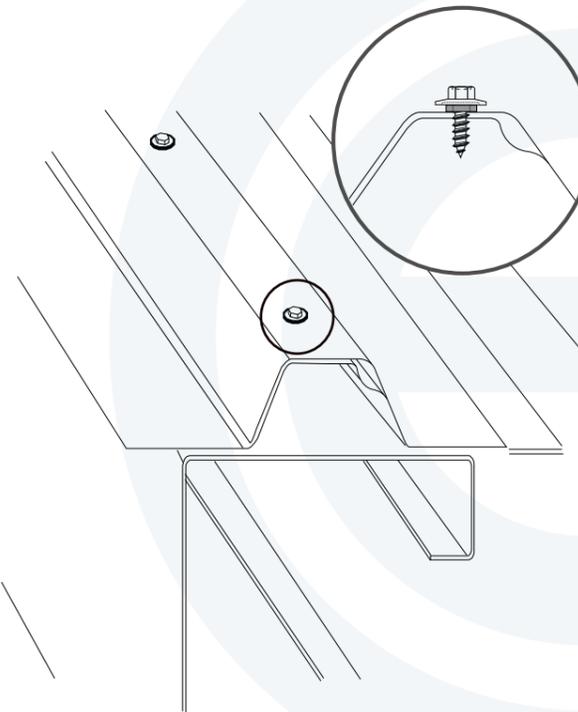
Hex Washer Flange
Needle Point

PRODUCT FEATURE/S

ø 12.5mm Integrated Flange (HWF)

WASHER OPTION/S

Round Cut EPDM Washer

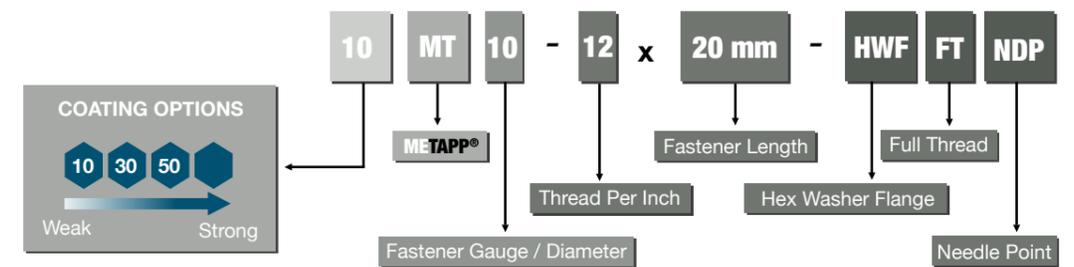


Part Number

MT 10 - 12 x 20mm

* For size not indicated above, please contact us for further information

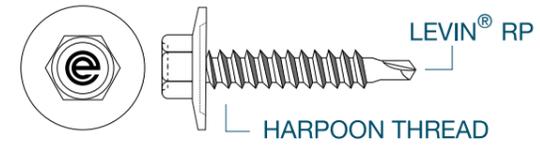
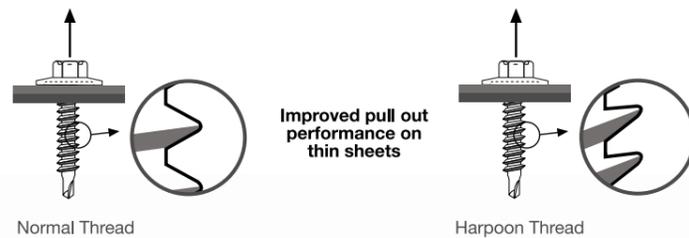
How to Read Our Part Number



REDUCED DRILL POINT

Reduced Drill Point for **tighter** thread engagement into thin sheets

Harpoon Thread for improved pull-out performance

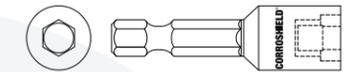


STEEL PENETRATION

Max. 1.2mm thick (For Size 10)
Max. 1.6mm thick (For Size 12)
Max. 2.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

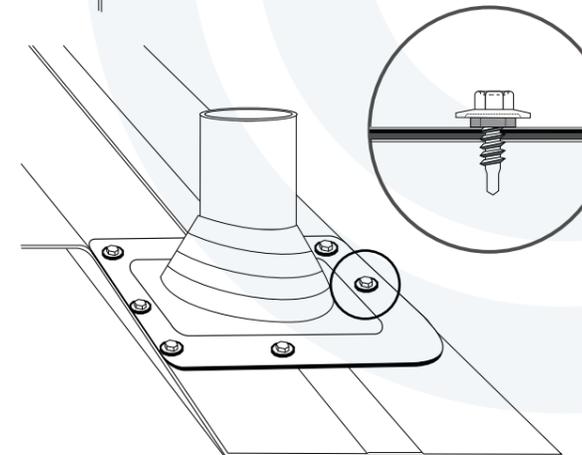
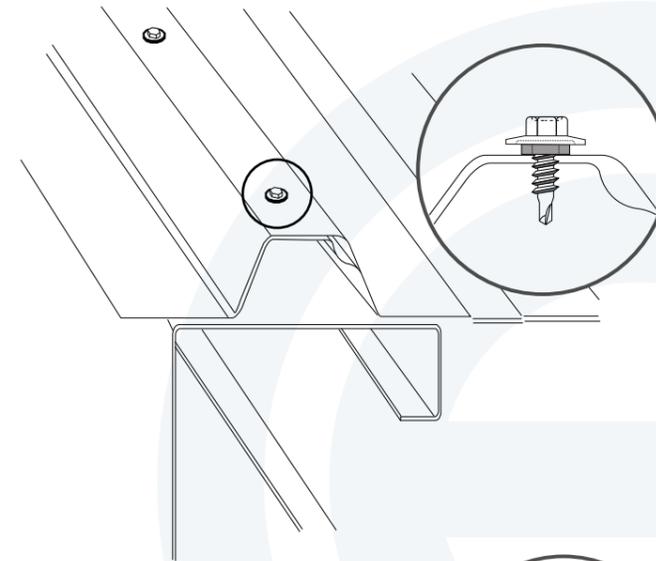
Hex Washer Flange
Harpoon Thread
LEVIN® Reduced Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
Harpoon Thread
LEVIN® Reduced Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

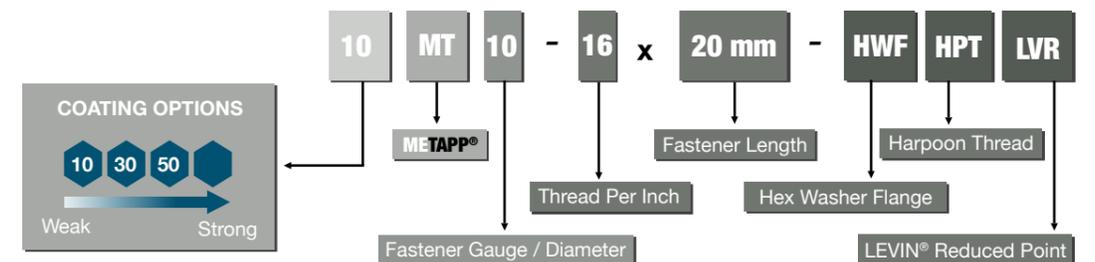


Part Number

MT 10 - 16 x 20mm
MT 12 - 14 x 22mm
MT 14 - 14 x 22mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

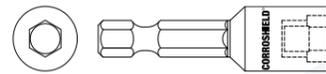


STEEL PENETRATION

Max. 1.2mm thick (For Size 10)
Max. 1.6mm thick (For Size 12)
Max. 2.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

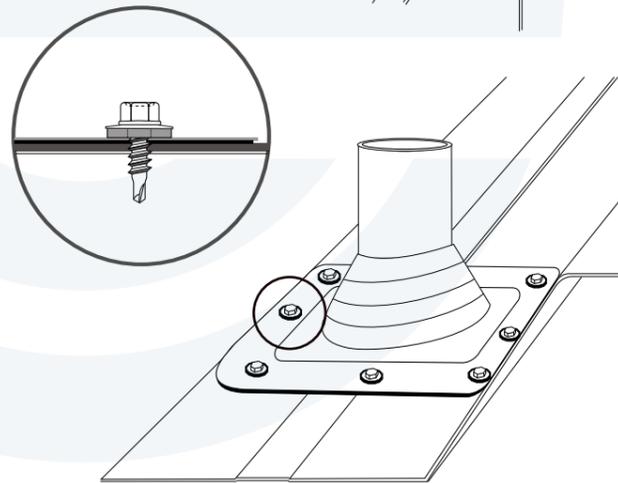
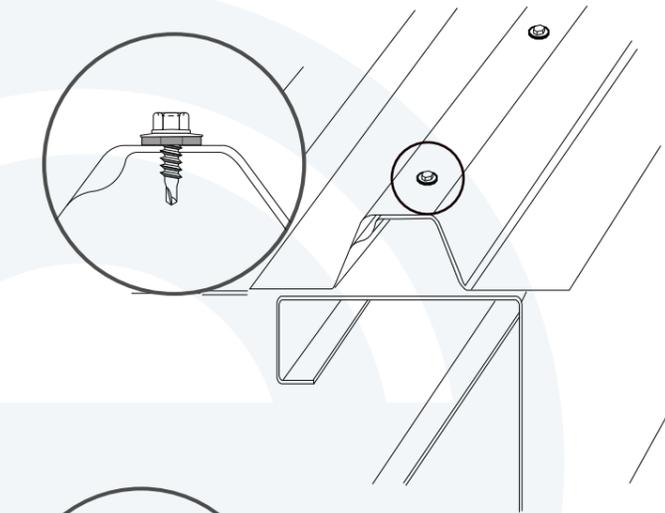
Hex Washer Head
Harpoon Thread
LEVIN® Reduced Drill Point

PRODUCT FEATURE/S

Harpoon Thread
LEVIN® Reduced Drill Point

WASHER OPTION/S

ø 14mm, ø 16mm
or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

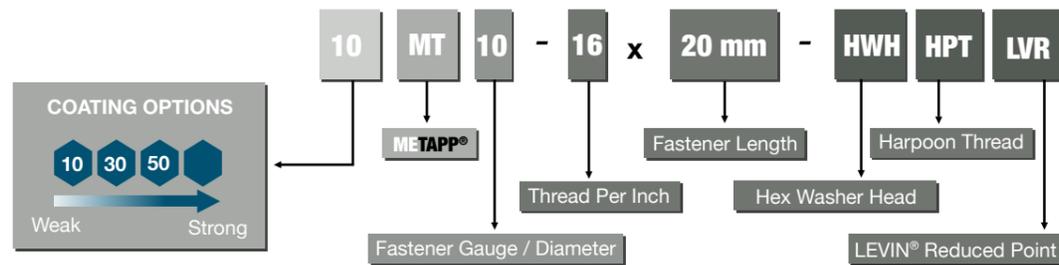


Part Number

MT 10 - 16 x 20mm
MT 12 - 14 x 20mm
MT 14 - 14 x 20mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

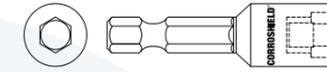


STEEL PENETRATION

Max. 1.2mm thick (For Size 10)
Max. 1.6mm thick (For Size 12)
Max. 2.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

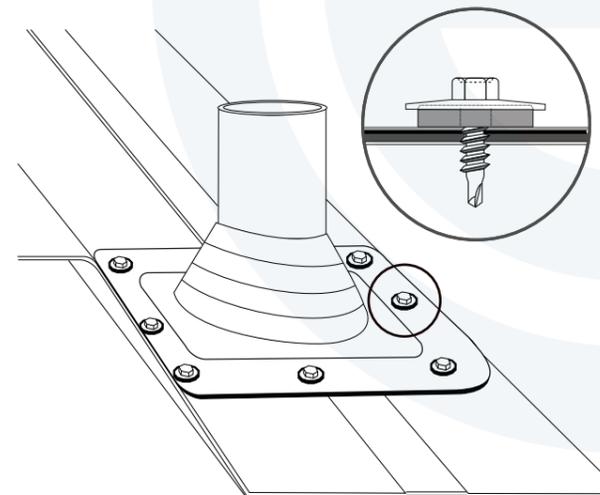
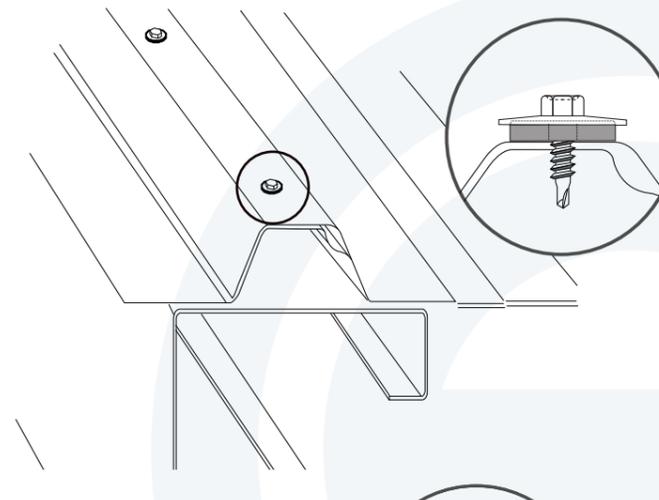
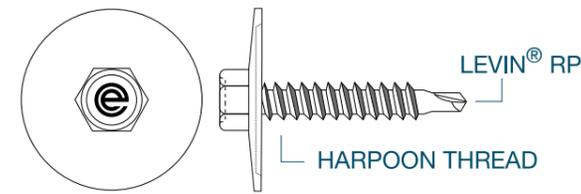
Enlarged Washer Flange
Harpoon Thread
LEVIN® Reduced Drill Point

PRODUCT FEATURE/S

ø 19mm Integrated Flange (EWF)
Harpoon Thread
LEVIN® Reduced Drill Point

WASHER OPTION/S

ø 16mm Round Cut EPDM Washer

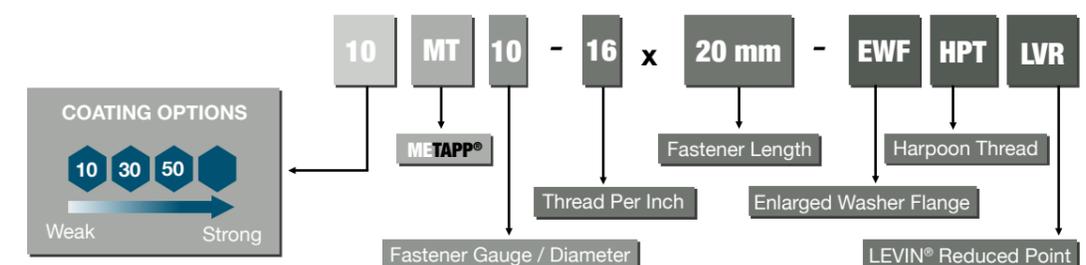


Part Number

MT 10 - 16 x 20mm
MT 12 - 14 x 22mm
MT 14 - 14 x 22mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

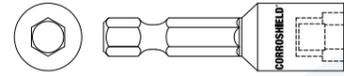


STEEL PENETRATION

Max. 4.5mm thick (For Size 10)
Max. 5.5mm thick (For Size 12)
Max. 6.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Flange
LEVIN® Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
LEVIN® Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

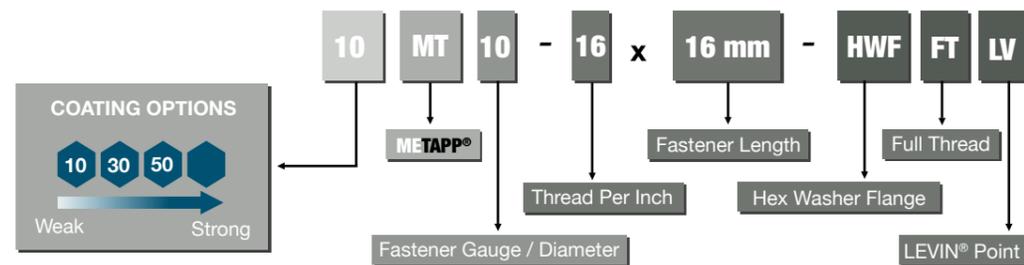


Part Number

MT 10 - 16 x 16mm	MT 12 - 14 x 55mm
MT 10 - 16 x 25mm	MT 12 - 14 x 65mm
MT 12 - 14 x 20mm	MT 12 - 24 x 55mm
MT 12 - 14 x 25mm	MT 14 - 14 x 25mm
MT 12 - 14 x 30mm	MT 14 - 14 x 35mm
MT 12 - 14 x 35mm	
MT 12 - 14 x 45mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number

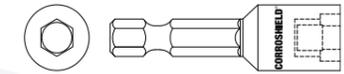


STEEL PENETRATION

Max. 5.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Head
LEVIN® Drill Point

PRODUCT FEATURE/S

LEVIN® Drill Point

WASHER OPTION/S

ø16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

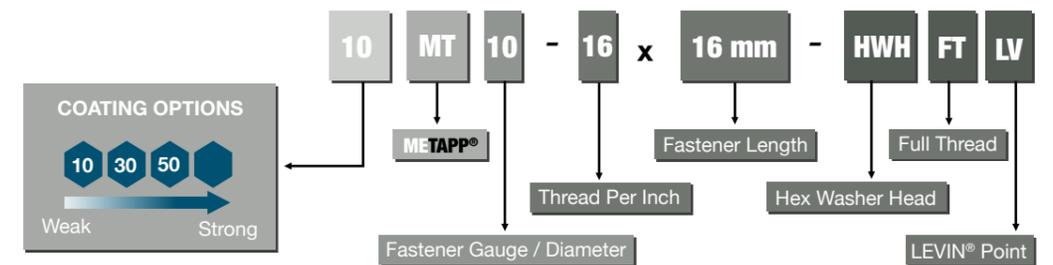


Part Number

MT 10 - 16 x 16mm	MT 12 - 14 x 55mm
MT 10 - 16 x 25mm	MT 12 - 14 x 65mm
MT 12 - 14 x 20mm	MT 12 - 24 x 55mm
MT 12 - 14 x 25mm	MT 14 - 14 x 25mm
MT 12 - 14 x 30mm	MT 14 - 14 x 35mm
MT 12 - 14 x 35mm	
MT 12 - 14 x 45mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number

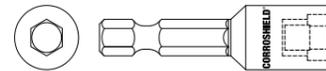


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Flange
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
LEVIN® 5 Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

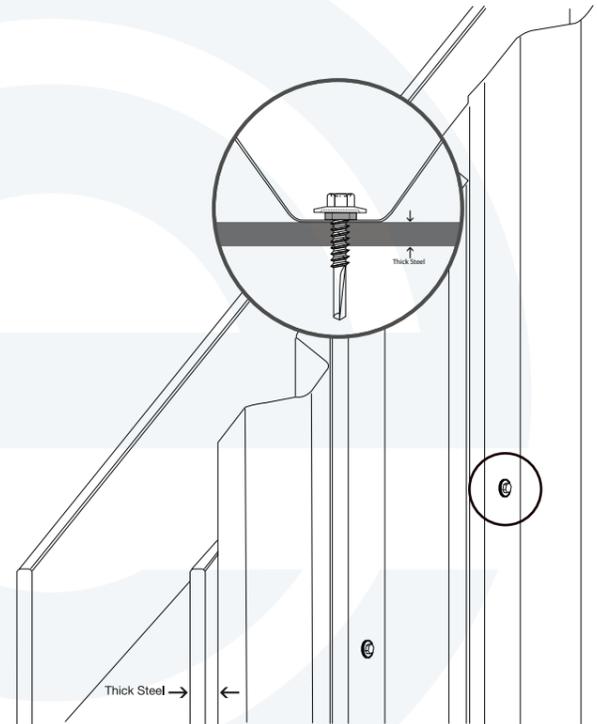
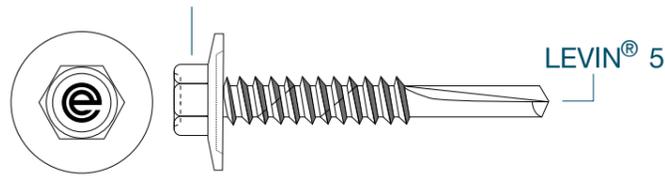


Part Number

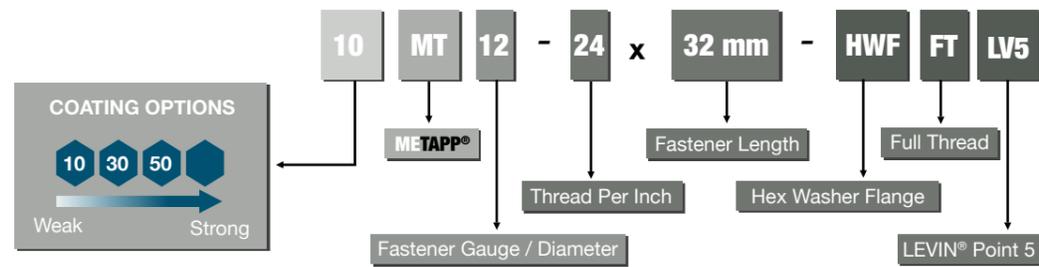
- MT 12 - 24 x 32mm
- MT 12 - 24 x 38mm
- MT 12 - 24 x 55mm
- MT 12 - 24 x 65mm
- MT 12 - 24 x 75mm

* For size not indicated above, please contact us for further information

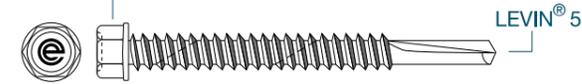
Hex Washer Flange



How to Read Our Part Number



Hex Washer Head

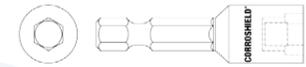


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Head
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

LEVIN® 5 Drill Point

WASHER OPTION/S

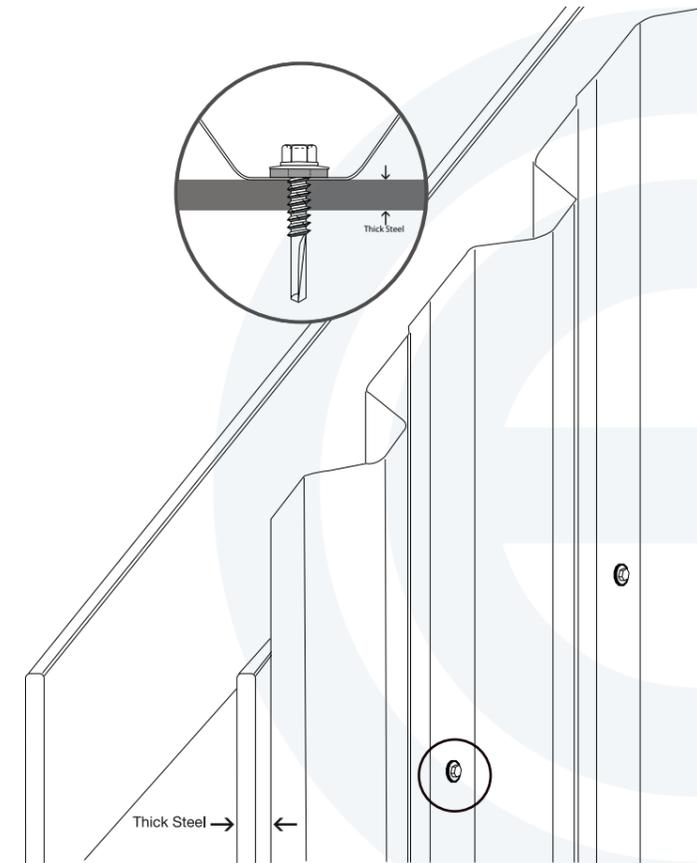
ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer



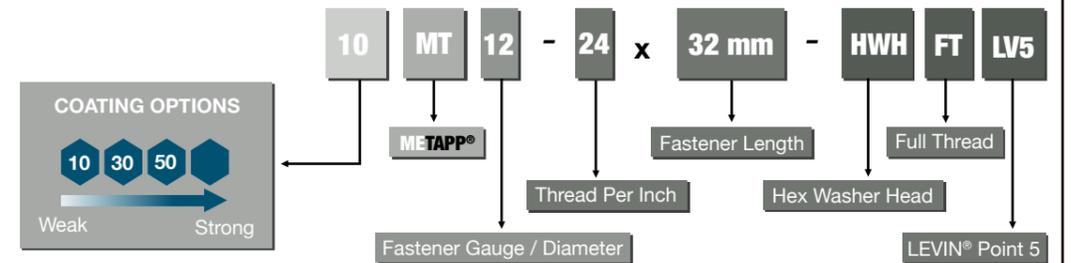
Part Number

- MT 12 - 24 x 32mm
- MT 12 - 24 x 38mm
- MT 12 - 24 x 55mm
- MT 12 - 24 x 65mm
- MT 12 - 24 x 75mm

* For size not indicated above, please contact us for further information



How to Read Our Part Number

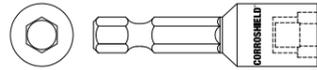


STEEL PENETRATION

Max. 4.5mm thick (For Size 10)
Max. 5.5mm thick (For Size 12)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

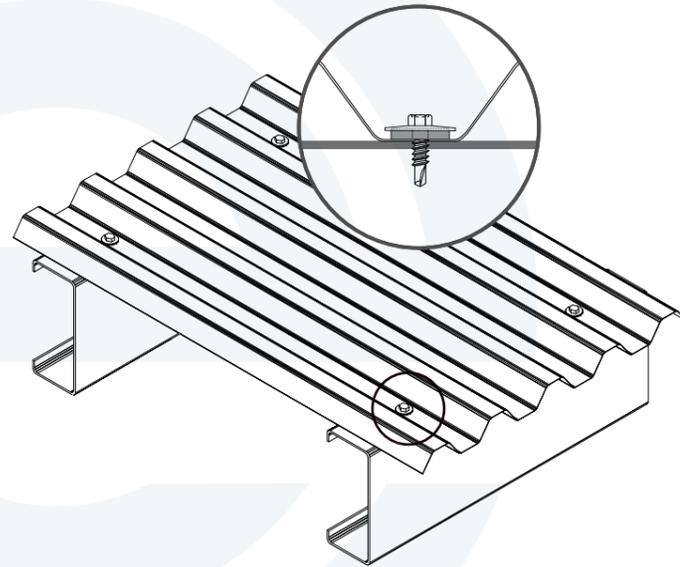
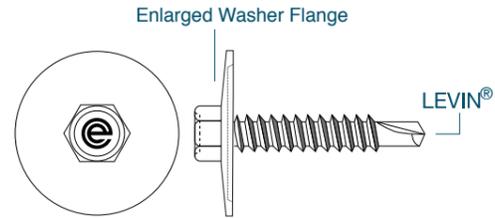
Enlarged Washer Flange
LEVIN® Drill Point

PRODUCT FEATURE/S

ø 19mm Integrated Flange (EWF)
LEVIN® Drill Point

WASHER OPTION/S

ø 16mm Round Cut EPDM Washer

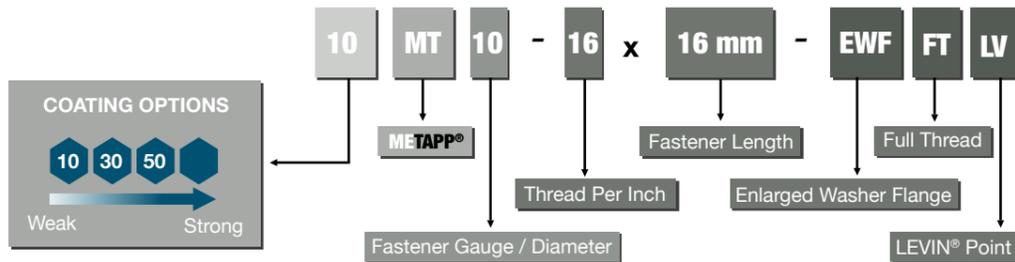


Part Number

MT 10 - 16 x 16mm	MT 12 - 14 x 55mm
MT 10 - 16 x 25mm	MT 12 - 14 x 65mm
MT 12 - 14 x 20mm	MT 12 - 24 x 55mm
MT 12 - 14 x 25mm	MT 14 - 14 x 35mm
MT 12 - 14 x 30mm	
MT 12 - 14 x 35mm	
MT 12 - 14 x 45mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number

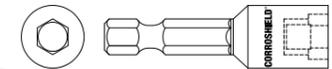


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

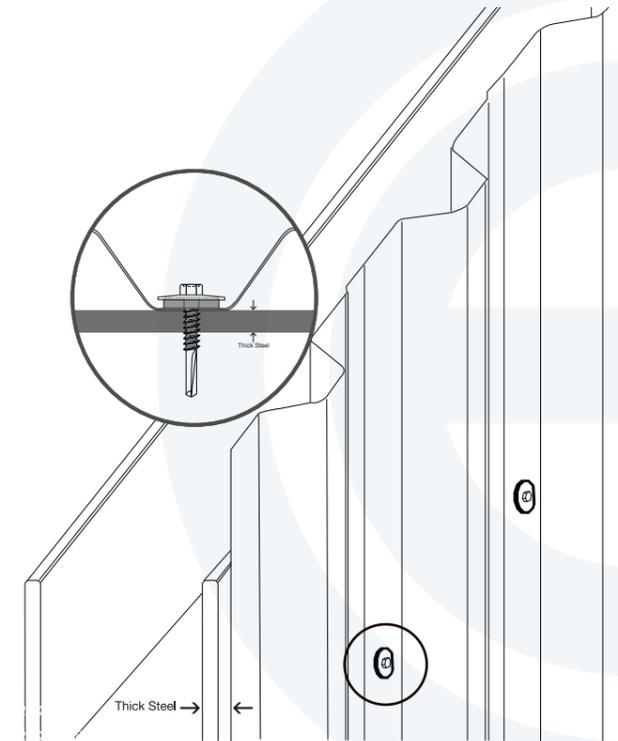
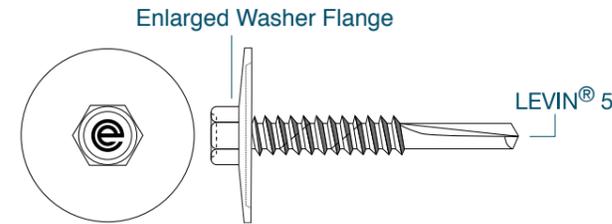
Enlarged Washer Flange
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

ø 19mm Integrated Flange (EWF)
LEVIN® 5 Drill Point

WASHER OPTION/S

ø 16mm Round Cut EPDM Washer

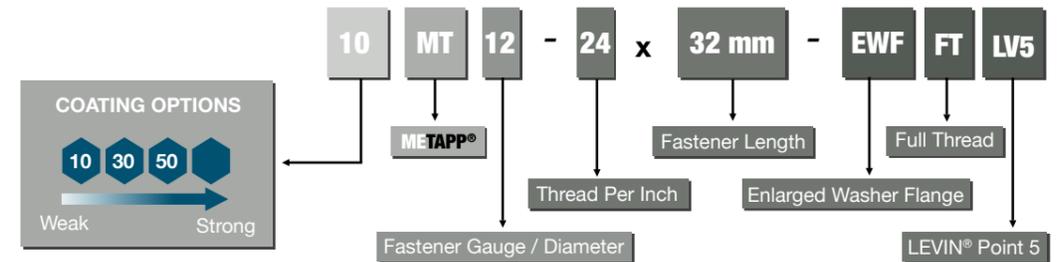


Part Number

MT 12 - 24 x 32mm
MT 12 - 24 x 38mm
MT 12 - 24 x 55mm
MT 12 - 24 x 65mm
MT 12 - 24 x 75mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

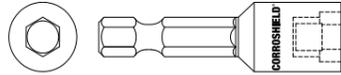


STEEL PENETRATION

Max. 5.5mm thick (For Size 12)
Max. 6.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Flange
LEVIN® Drill Point

PRODUCT FEATURE/S

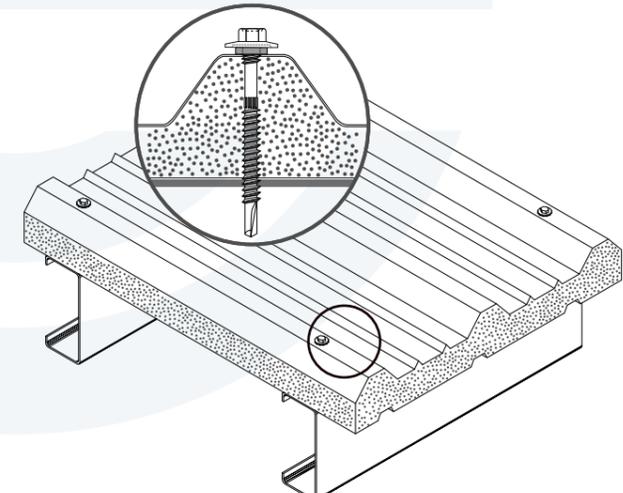
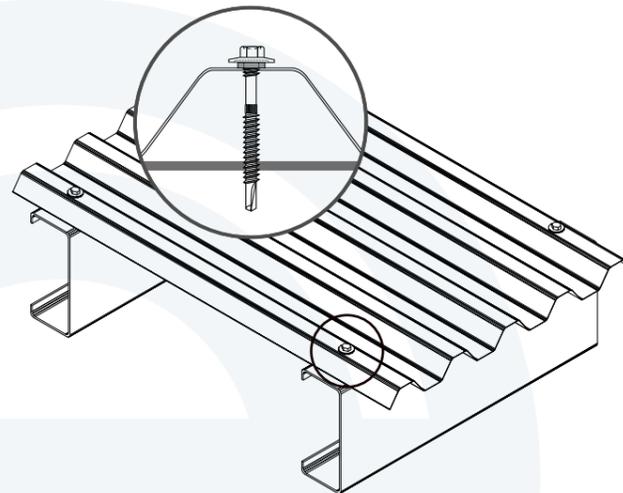
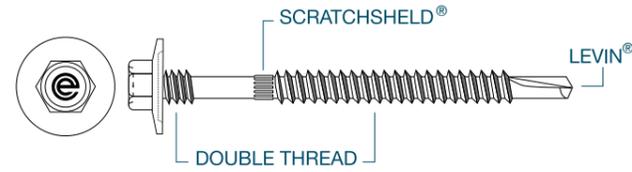
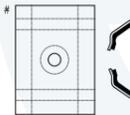
ø 14mm Integrated Flange (HWF)
Double Thread
ScratchShield®
LEVIN® Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

Cyclonic Washer for cyclonic regions*

* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

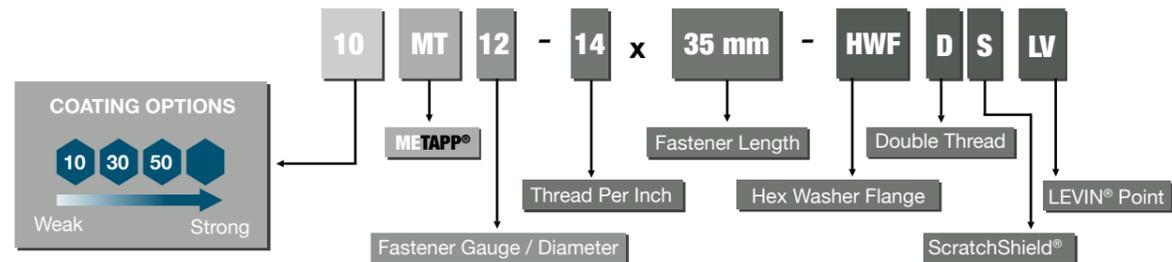


Part Number

MT 12 - 14 x 35mm	MT 12 - 14 x 90mm
MT 12 - 14 x 45mm	MT 12 - 14 x 100mm
MT 12 - 14 x 50mm	MT 12 - 14 x 120mm
MT 12 - 14 x 55mm	MT 12 - 14 x 130mm
MT 12 - 14 x 60mm	MT 12 - 14 x 140mm
MT 12 - 14 x 65mm	MT 12 - 14 x 160mm
MT 12 - 14 x 68mm	MT 14 - 14 x 35mm
MT 12 - 14 x 75mm	MT 14 - 14 x 45mm
MT 12 - 14 x 80mm	MT 14 - 14 x 55mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

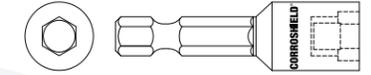


STEEL PENETRATION

Max. 5.5mm thick (For Size 12)
Max. 6.0mm thick (For Size 14)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Head

PRODUCT FEATURE/S

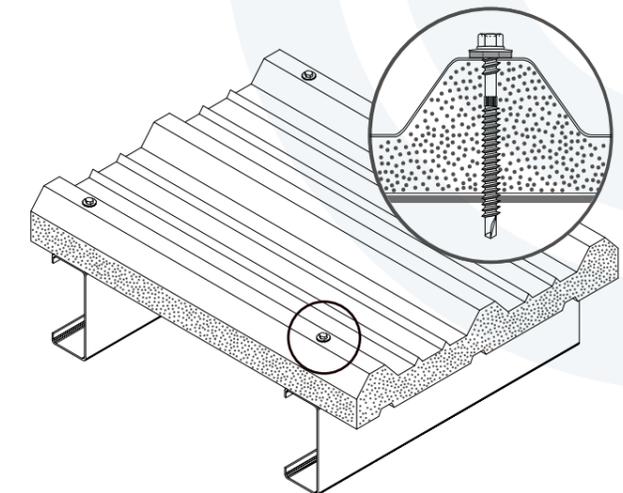
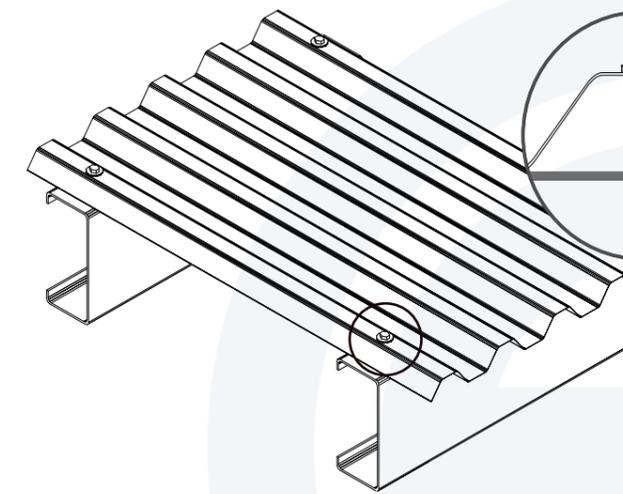
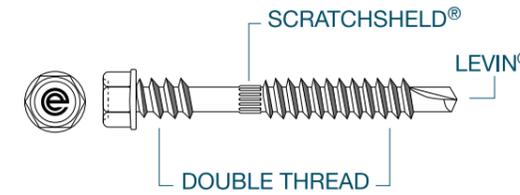
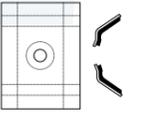
Double Thread
ScratchShield®
LEVIN® Drill Point

WASHER OPTION/S

ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

Cyclonic Washer for cyclonic regions*

* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

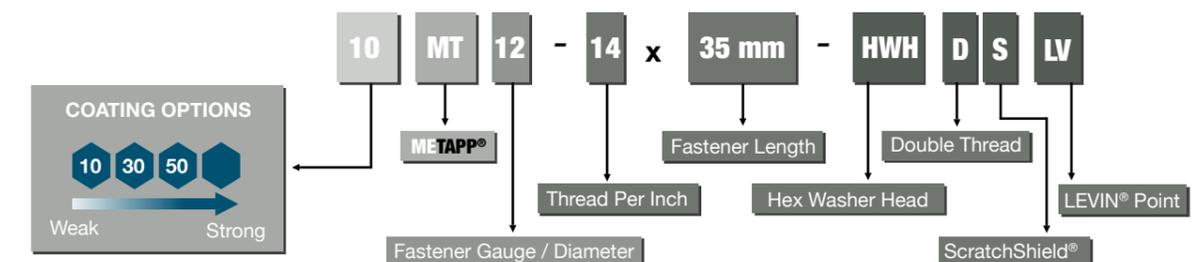


Part Number

MT 12 - 14 x 35mm	MT 12 - 14 x 90mm
MT 12 - 14 x 45mm	MT 12 - 14 x 100mm
MT 12 - 14 x 50mm	MT 12 - 14 x 120mm
MT 12 - 14 x 55mm	MT 12 - 14 x 130mm
MT 12 - 14 x 60mm	MT 12 - 14 x 140mm
MT 12 - 14 x 65mm	MT 12 - 14 x 160mm
MT 12 - 14 x 68mm	MT 14 - 14 x 35mm
MT 12 - 14 x 75mm	MT 14 - 14 x 45mm
MT 12 - 14 x 80mm	MT 14 - 14 x 55mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

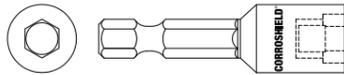


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Flange
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange(HWF)
Double Thread
ScratchShield®
LEVIN® 5 Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

Cyclonic Washer for cyclonic regions*

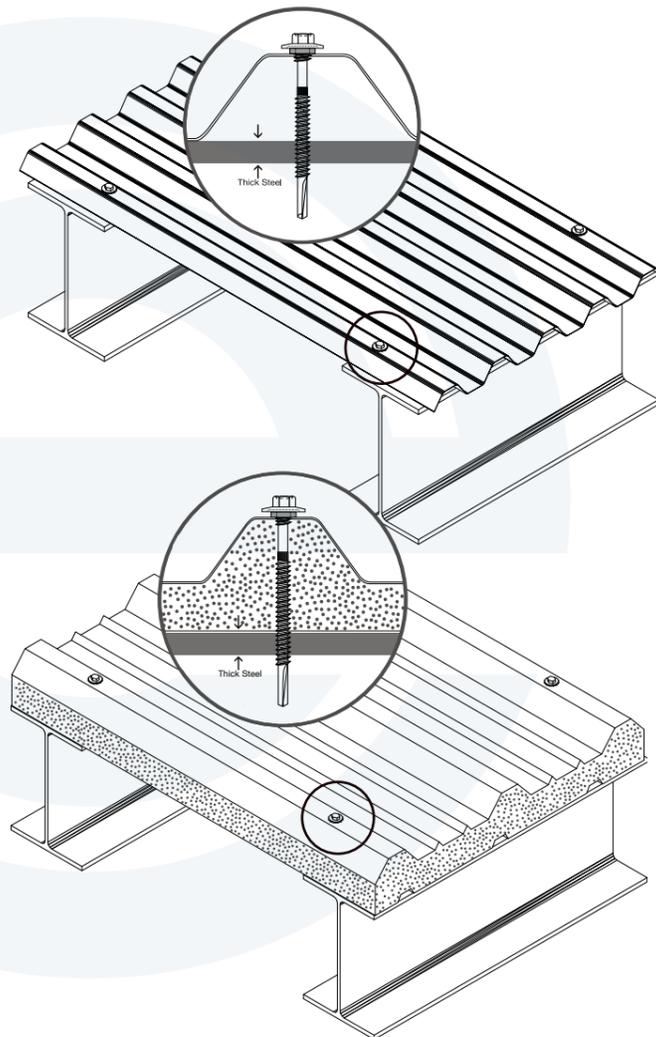
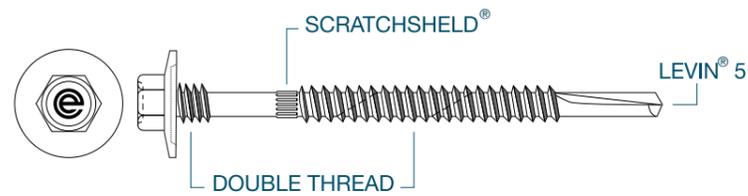
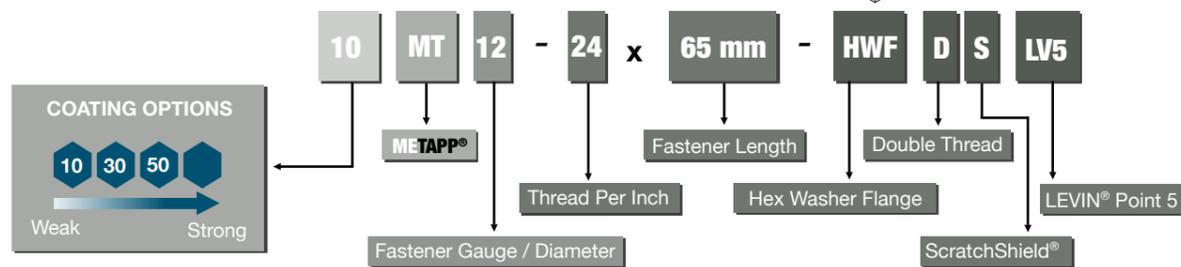
* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

Part Number

- MT 12 - 24 x 65mm
- MT 12 - 24 x 68mm
- MT 12 - 24 x 70mm
- MT 12 - 24 x 75mm
- MT 12 - 24 x 90mm
- MT 12 - 24 x 110mm
- MT 12 - 24 x 130mm
- MT 12 - 24 x 150mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number

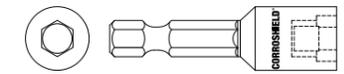


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Head
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

Double Thread
ScratchShield®
LEVIN® 5 Drill Point

WASHER OPTION/S

ø 16mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

Cyclonic Washer for cyclonic regions*

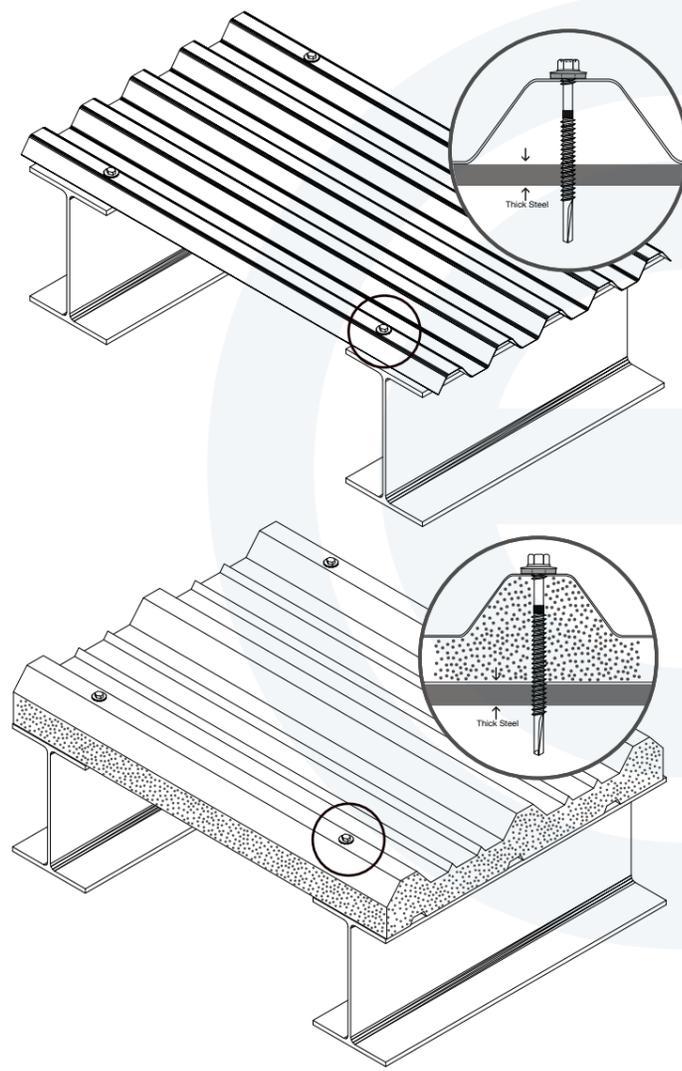
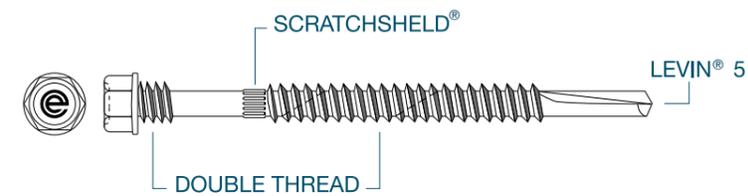
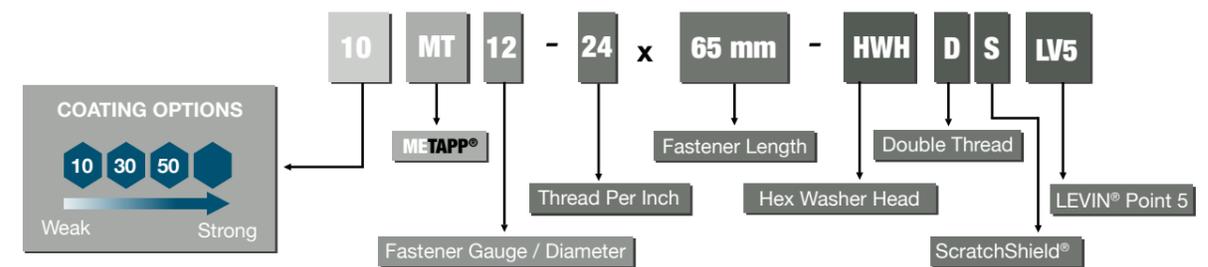
* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

Part Number

- MT 12 - 24 x 65mm
- MT 12 - 24 x 68mm
- MT 12 - 24 x 70mm
- MT 12 - 24 x 75mm
- MT 12 - 24 x 90mm
- MT 12 - 24 x 100mm
- MT 12 - 24 x 130mm
- MT 12 - 24 x 150mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



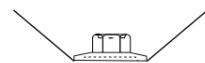
STEELTAPP®

ENLARGED WASHER FLANGE

Enlarged Integrated **19mm** Washer Flange for perfect water tightness

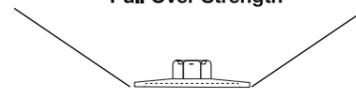
At least **30%** improvement in sheet pull-over value

Lower Sheet Pull Over Strength

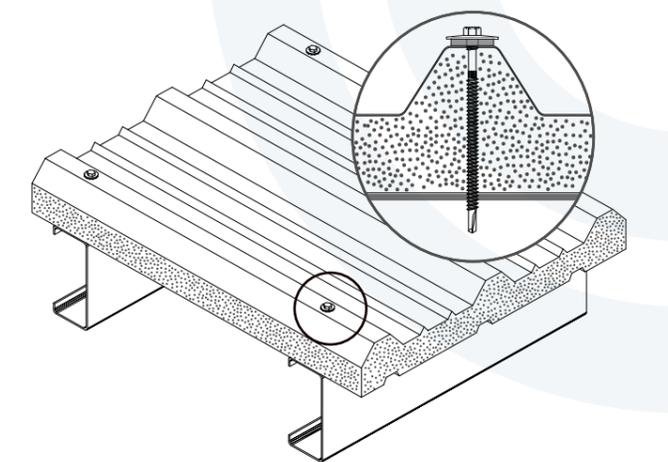
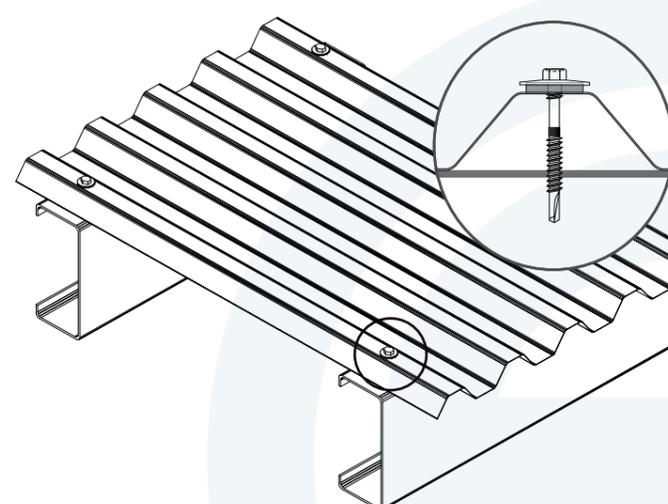
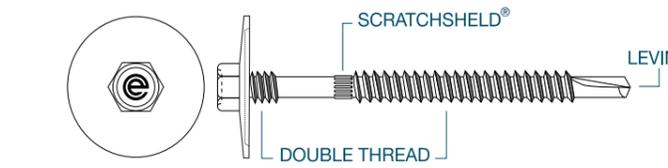


Normal Flange Head

Higher Sheet Pull Over Strength



Enlarged Washer Flange

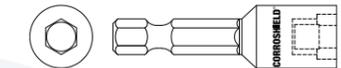


STEEL PENETRATION

Max. 5.5mm thick (For Size 12)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Enlarged Washer Flange
LEVIN® Drill Point

PRODUCT FEATURE/S

ø 19mm Integrated Flange (EWF)
Double Thread
ScratchShield®
LEVIN® Drill Point

WASHER OPTION/S

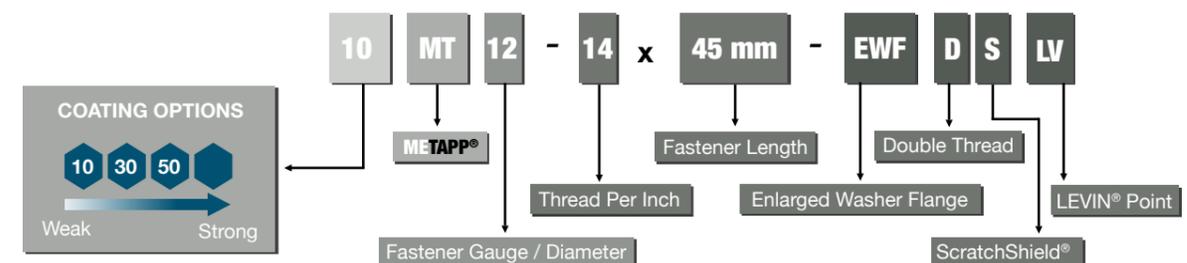
ø 16mm Round Cut EPDM Washer

Part Number

MT 12 - 14 x 45mm	MT 12 - 14 x 100mm
MT 12 - 14 x 50mm	MT 12 - 14 x 120mm
MT 12 - 14 x 55mm	MT 12 - 14 x 130mm
MT 12 - 14 x 60mm	MT 12 - 14 x 140mm
MT 12 - 14 x 65mm	MT 12 - 14 x 160mm
MT 12 - 14 x 68mm	MT 14 - 14 x 35mm
MT 12 - 14 x 75mm	MT 14 - 14 x 45mm
MT 12 - 14 x 80mm	MT 14 - 14 x 55mm
MT 12 - 14 x 90mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number

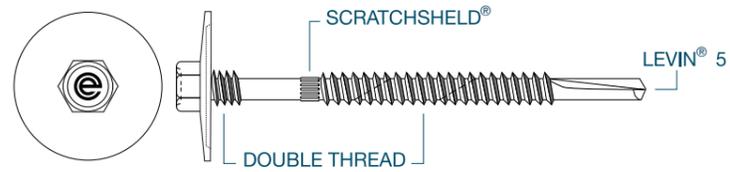
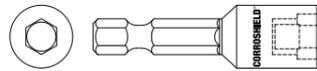


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

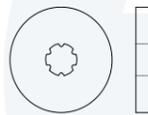
Enlarged Washer Flange
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

ø 19mm Integrated Flange (EWF)
Double Thread
ScratchShield®
LEVIN® 5 Drill Point

WASHER OPTION/S

ø 16mm Round Cut EPDM Washer

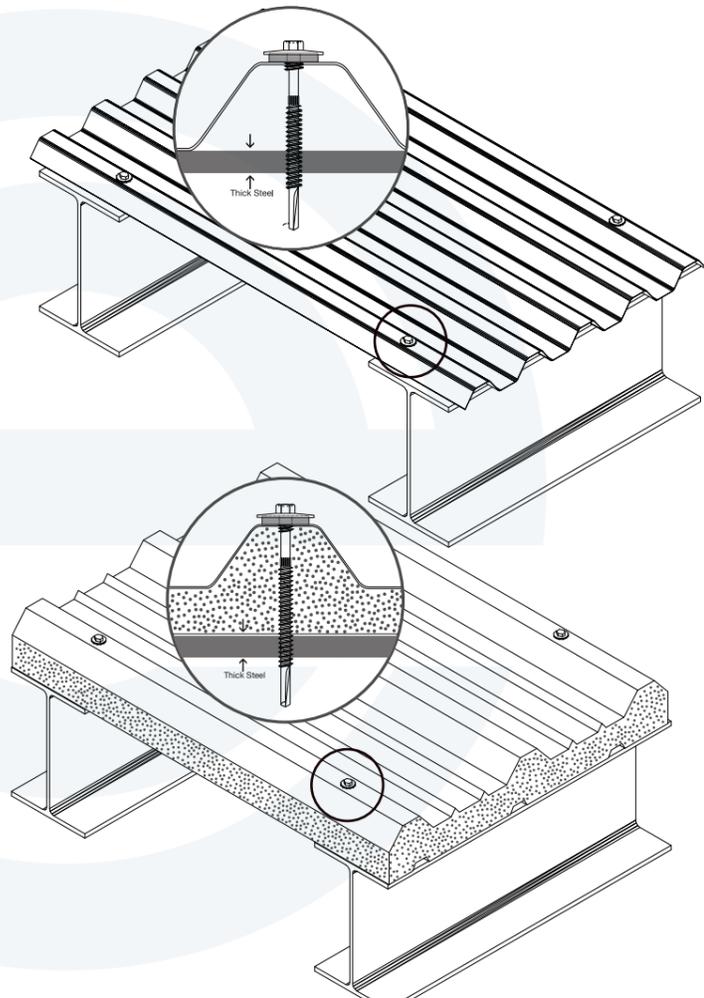
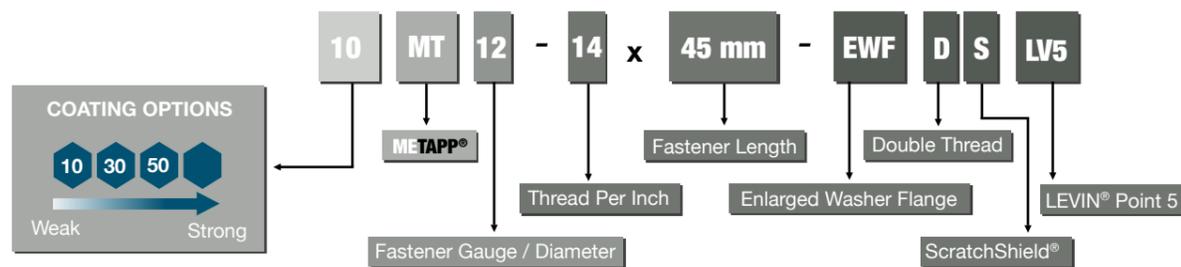


Part Number

- MT 12 - 24 x 65mm
- MT 12 - 24 x 68mm
- MT 12 - 24 x 70mm
- MT 12 - 24 x 75mm
- MT 12 - 24 x 90mm
- MT 12 - 24 x 110mm
- MT 12 - 24 x 130mm
- MT 12 - 24 x 150mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



SELF-TAPPING

FASTENERS



STEEL PENETRATION

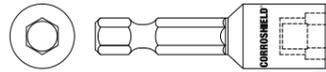
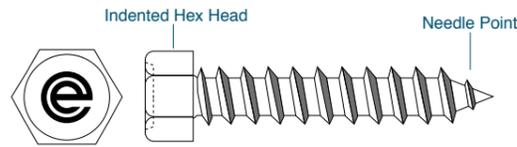
Max. 2.7mm thick

PILOT HOLE

Recommended ø 5.0 mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

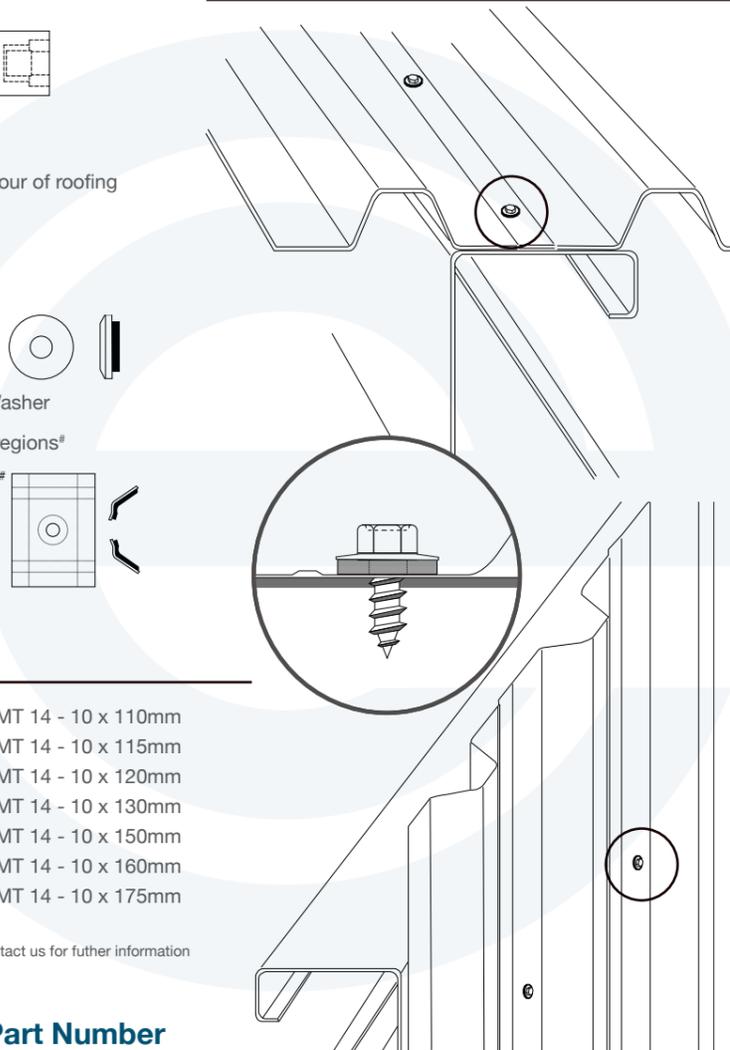
Indented Hex Head
Needle Point

WASHER OPTION/S

ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

Cyclonic Washer for cyclonic regions*

* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

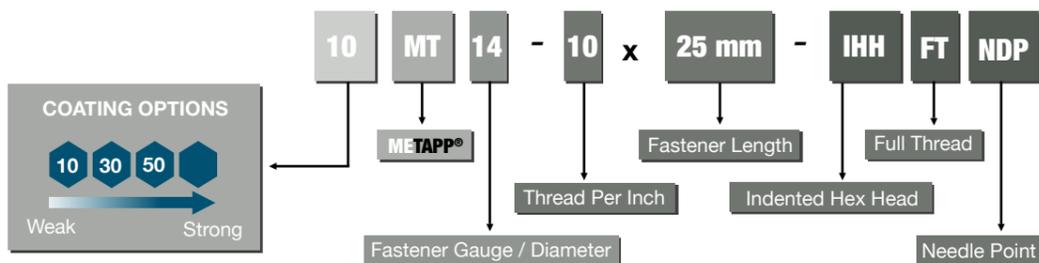


Part Number

MT 14 - 10 x 25mm	MT 14 - 10 x 110mm
MT 14 - 10 x 40mm	MT 14 - 10 x 115mm
MT 14 - 10 x 50mm	MT 14 - 10 x 120mm
MT 14 - 10 x 70mm	MT 14 - 10 x 130mm
MT 14 - 10 x 80mm	MT 14 - 10 x 150mm
MT 14 - 10 x 90mm	MT 14 - 10 x 160mm
MT 14 - 10 x 100mm	MT 14 - 10 x 175mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



STEEL PENETRATION

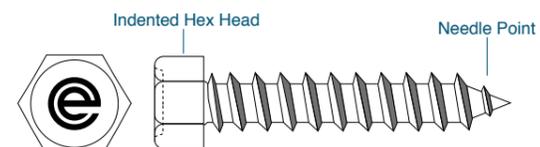
Max. 2.7mm thick

PILOT HOLE

Recommended ø 5.0 mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

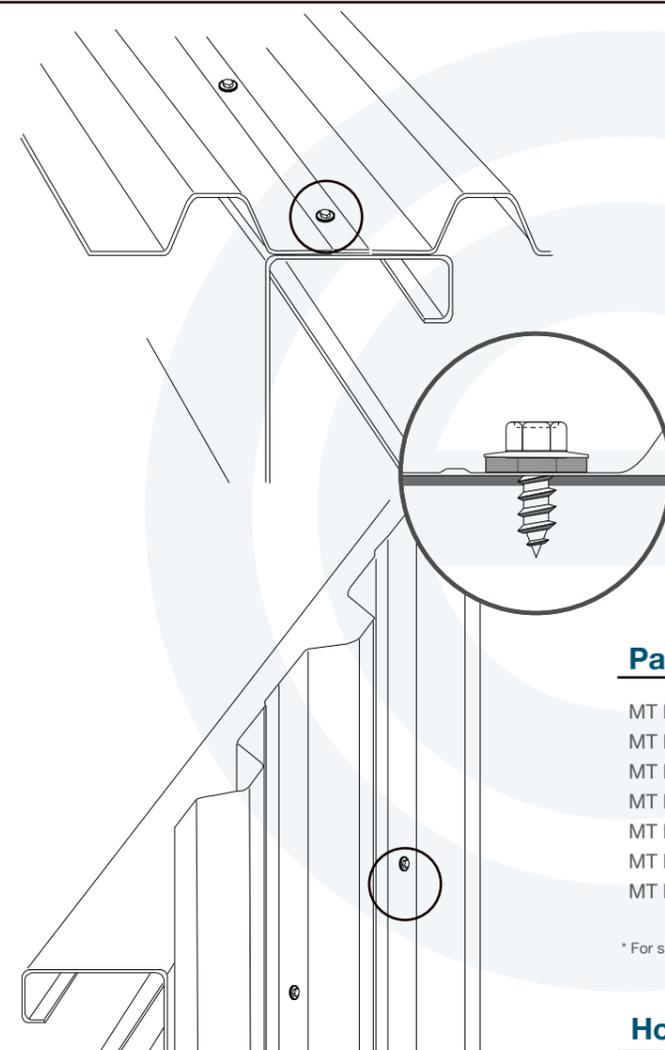
Indented Hex Head
Needle Point

WASHER OPTION/S

ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

Cyclonic Washer for cyclonic regions*

* We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

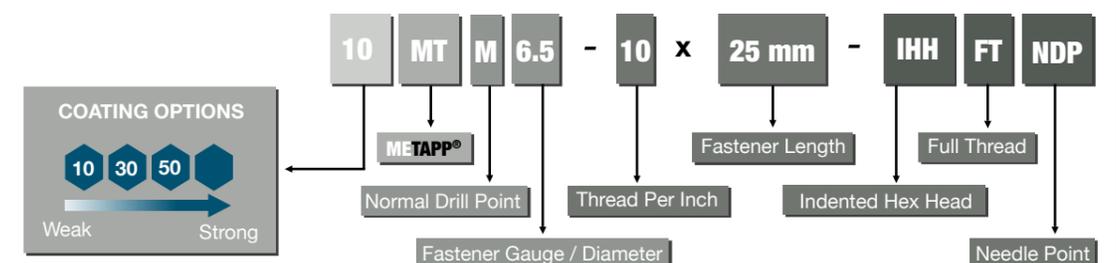


Part Number

MT M6.5 - 10 x 25mm	MT M6.5 - 10 x 110mm
MT M6.5 - 10 x 40mm	MT M6.5 - 10 x 115mm
MT M6.5 - 10 x 50mm	MT M6.5 - 10 x 120mm
MT M6.5 - 10 x 70mm	MT M6.5 - 10 x 130mm
MT M6.5 - 10 x 80mm	MT M6.5 - 10 x 150mm
MT M6.5 - 10 x 90mm	MT M6.5 - 10 x 160mm
MT M6.5 - 10 x 100mm	MT M6.5 - 10 x 175mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



STEEL PENETRATION

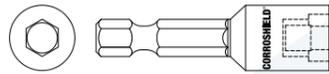
Max. 12.5mm thick

PILOT HOLE

ø 5.0 mm for thickness up to 2.7mm
ø 5.5 mm for thickness up to 6.0mm
ø 6.0 mm for thickness up to 12.5mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

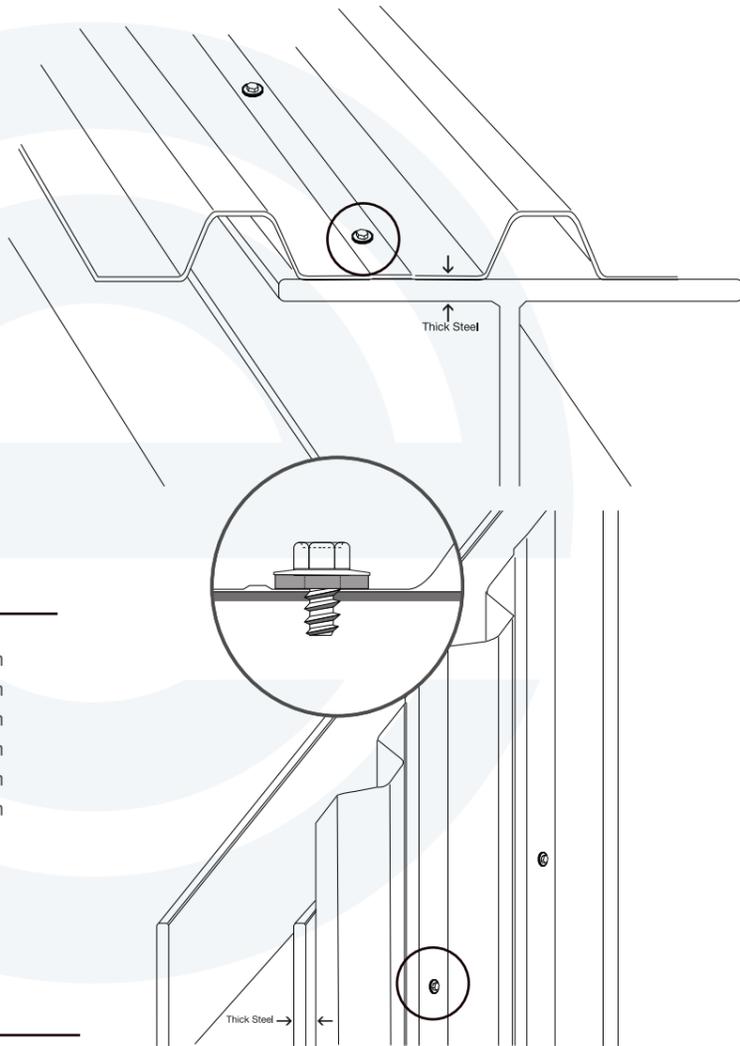
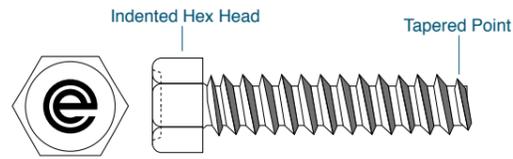
Painted head to match the colour of roofing sheets

DESCRIPTION

Indented Hex Head
Tapered Point

WASHER OPTION/S

ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

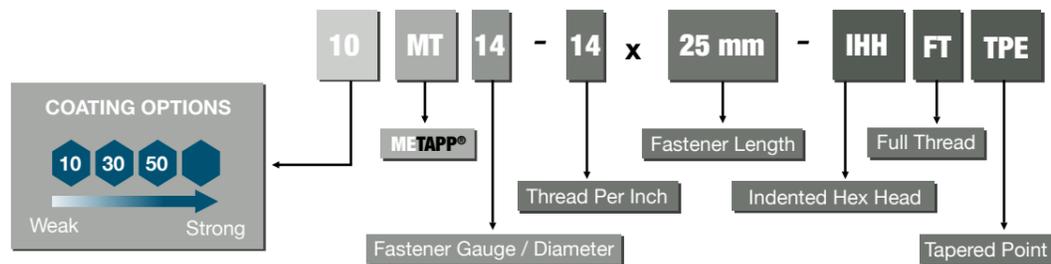


Part Number

- | | |
|--------------------|--------------------|
| MT 14 - 14 x 25mm | MT 14 - 14 x 110mm |
| MT 14 - 14 x 40mm | MT 14 - 14 x 120mm |
| MT 14 - 14 x 50mm | MT 14 - 14 x 130mm |
| MT 14 - 14 x 70mm | MT 14 - 14 x 150mm |
| MT 14 - 14 x 80mm | MT 14 - 14 x 160mm |
| MT 14 - 14 x 90mm | MT 14 - 14 x 175mm |
| MT 14 - 14 x 100mm | |

* For size not indicated above, please contact us for further information

How to Read Our Part Number



STEEL PENETRATION

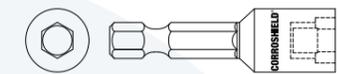
Max. 12.5mm thick

PILOT HOLE

ø 5.0 mm for thickness up to 2.7mm
ø 5.5 mm for thickness up to 6.0mm
ø 6.0 mm for thickness up to 12.5mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

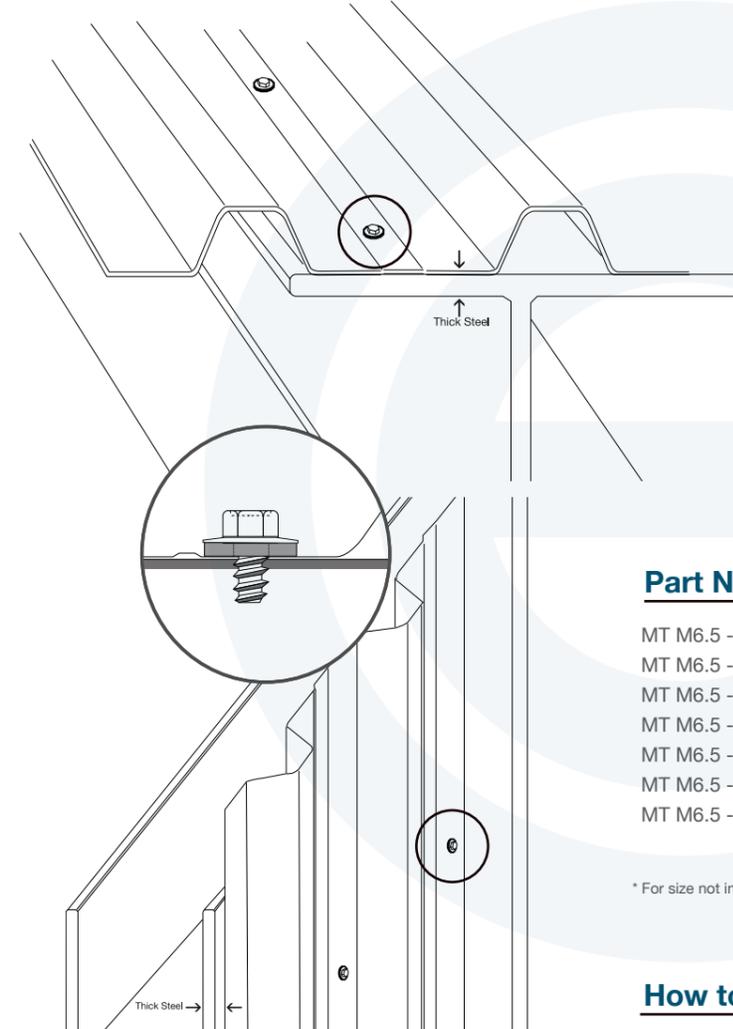
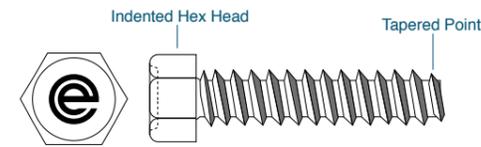
Painted head to match the colour of roofing sheets

DESCRIPTION

Indented Hex Head
Tapered Point

WASHER OPTION/S

ø 16mm or ø 19mm
Aluminum / Galvanised
Bonded Black / Grey EPDM Washer

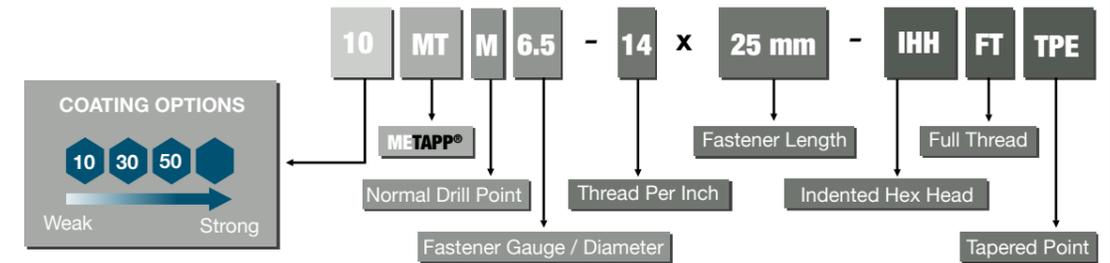


Part Number

- | | |
|----------------------|----------------------|
| MT M6.5 - 14 x 25mm | MT M6.5 - 14 x 110mm |
| MT M6.5 - 14 x 40mm | MT M6.5 - 14 x 120mm |
| MT M6.5 - 14 x 50mm | MT M6.5 - 14 x 130mm |
| MT M6.5 - 14 x 70mm | |
| MT M6.5 - 14 x 80mm | |
| MT M6.5 - 14 x 90mm | |
| MT M6.5 - 14 x 100mm | |

* For size not indicated above, please contact us for further information

How to Read Our Part Number





Frame Fixing Applications
WINTAPP[®]
SERIES

WINTAPP[®]

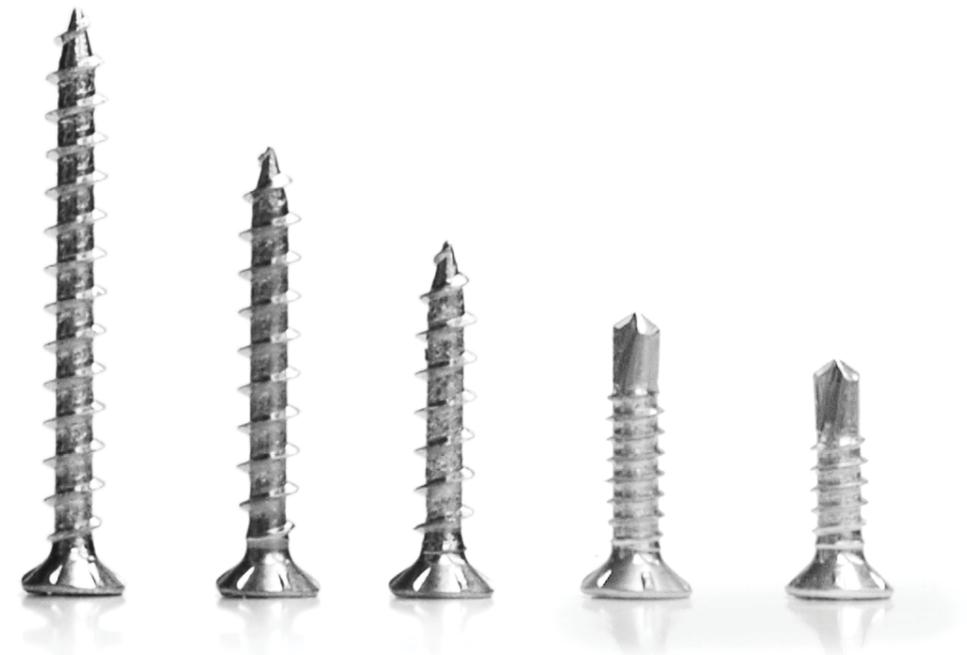
- Carbon steel fasteners for fixing window or door frame assemblies.

Standard Features of **WINTAPP**[®]

- Countersunk with Philips Recess
- 6 ribs under Countersunk head

WINTAPP[®]

Ribbed countersunk head for extra grip to prevent loosening of fasteners.



PRODUCT FEATURES

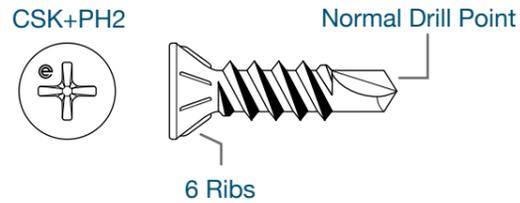
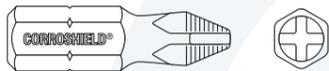
Countersunk with Philips recess
6 ribs underhead.
Full Thread
Normal drill point

SPECIAL NOTE

All WINTAPP® are suitable only for manual installation. For automated production lines, please consult our sales for customised WINTAPP®

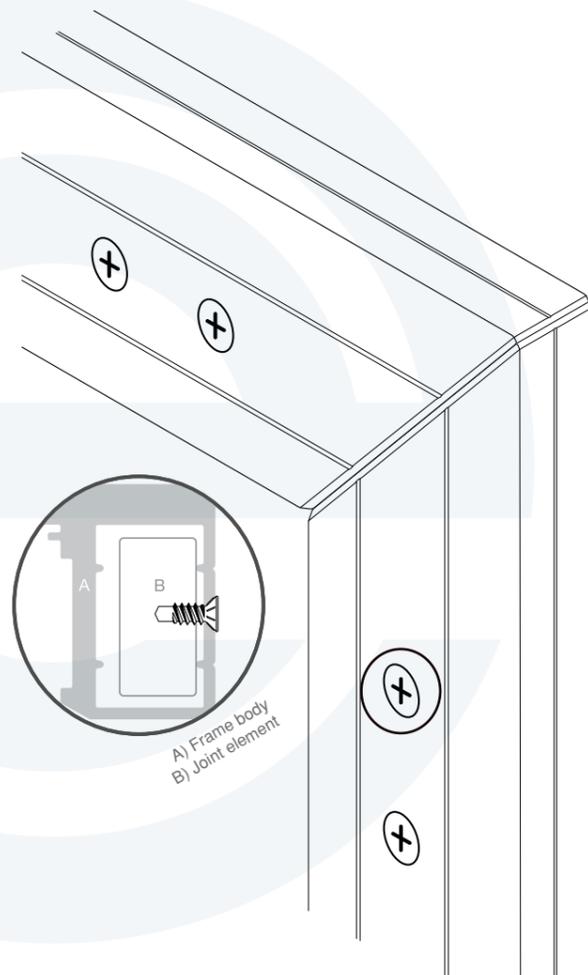
ADAPTER TO USE

CORROSHIELD® Magnetic Philips Bit
P/N: PHBT009 (PH2 x 25mm)



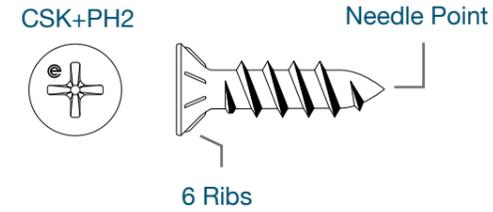
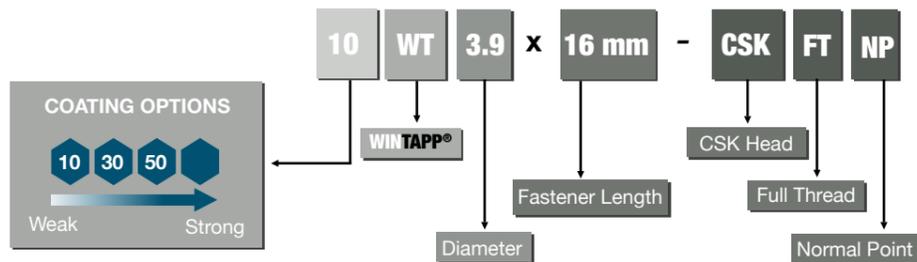
Part Number

- WT 3.9 x 16 mm
- WT 3.9 x 19 mm
- WT 3.9 x 25 mm
- WT 3.9 x 32 mm
- WT 4.0 x 38 mm
- WT 4.0 x 16 mm
- WT 4.0 x 19 mm



* Diagrams are only for reference and not drawn to scale.

How to Read Our Part Number



PRODUCT FEATURES

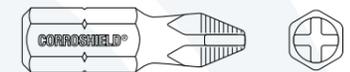
Countersunk with Philips recess
6 ribs underhead.
Full Thread
Needle point

SPECIAL NOTE

All WINTAPP® are suitable only for manual installation. For automated production lines, please consult our sales for customised WINTAPP®

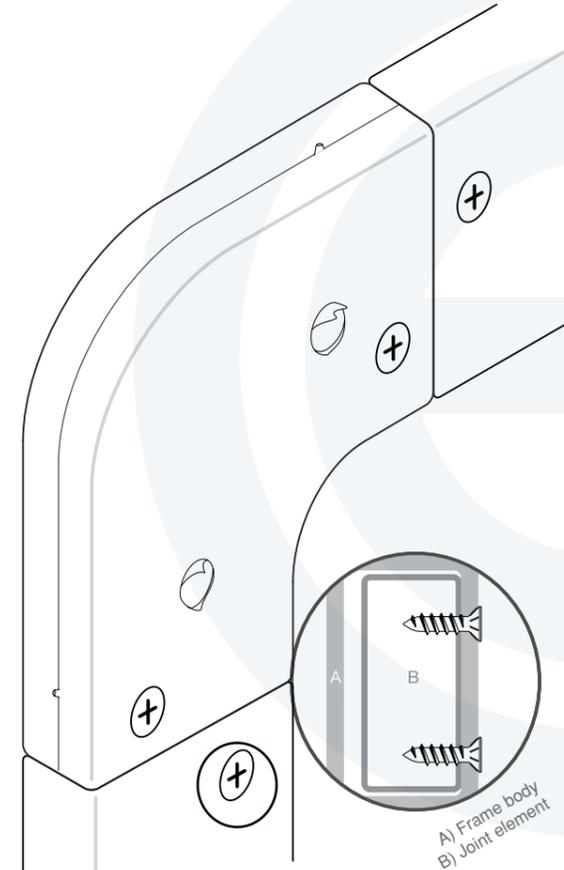
ADAPTER TO USE

CORROSHIELD® Magnetic Philips Bit
P/N: PHBT009 (PH2x25 mm)



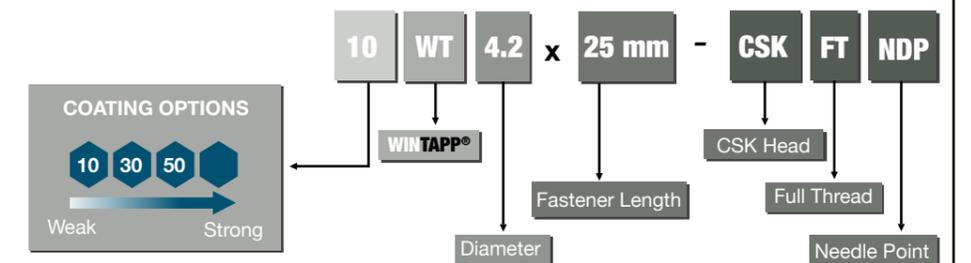
Part Number

- WT 4.2 x 25 mm
- WT 4.2 x 30 mm
- WT 4.2 x 40 mm



* Diagrams are only for reference and not drawn to scale.

How to Read Our Part Number



Steel Frames / Truss Applications



TRUSSTAPP[®] SERIES

TRUSSTAPP[®]

- Carbon steel fasteners for fixing steel frames or trusses

Standard Features of TRUSSTAPP[®]

Hex Washer Flange

LEVIN[™] Drill Point

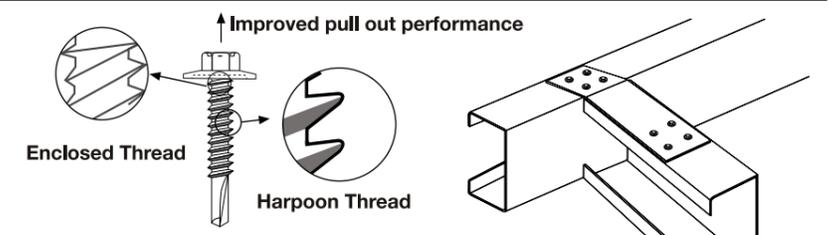
Harpoon Thread

Enclosed Last Thread

TRUSSTAPP[®]

Enclosed last thread provides effective thread engagement into light gauge sheet

Harpoon Thread for improved pull out performance

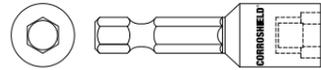


STEEL PENETRATION

Max.2.0mm thick (For Size 10)
Max.2.5mm thick (For Size 12)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket

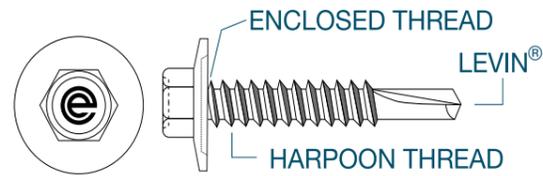


DESCRIPTION

Hex Washer Flange
LEVIN® Drill Point
TRUSSTAPP®

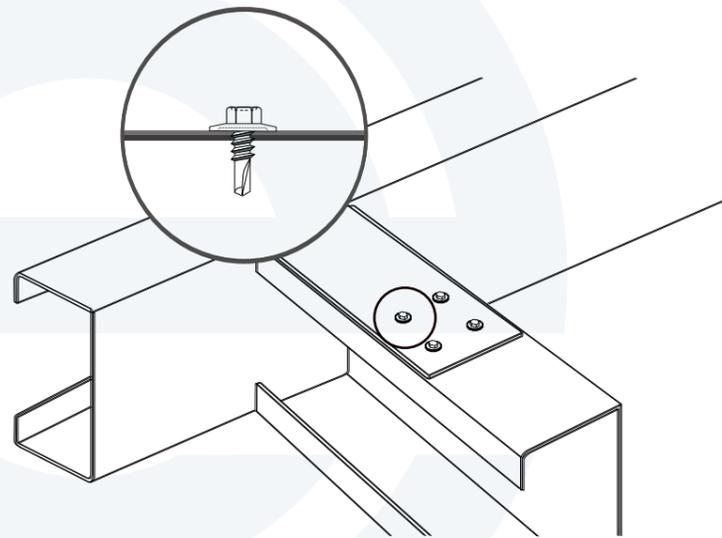
PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
Enclosed Last Thread
Harpoon Thread
LEVIN® Drill Point



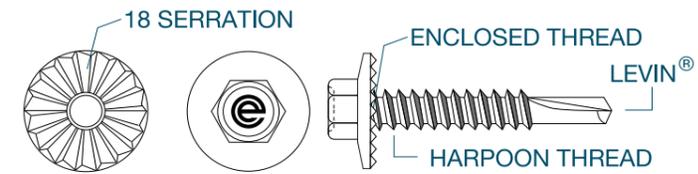
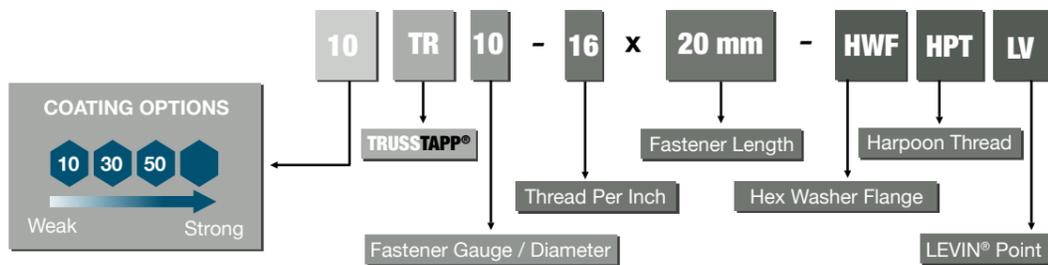
Part Number

TR 10 - 16 x 20mm
TR 12 - 14 x 20mm



* For size not indicated above, please contact us for further information

How to Read Our Part Number

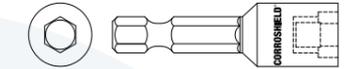


STEEL PENETRATION

Max.2.0mm thick (For Size 10)
Max.2.5mm thick (For Size 12)

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket

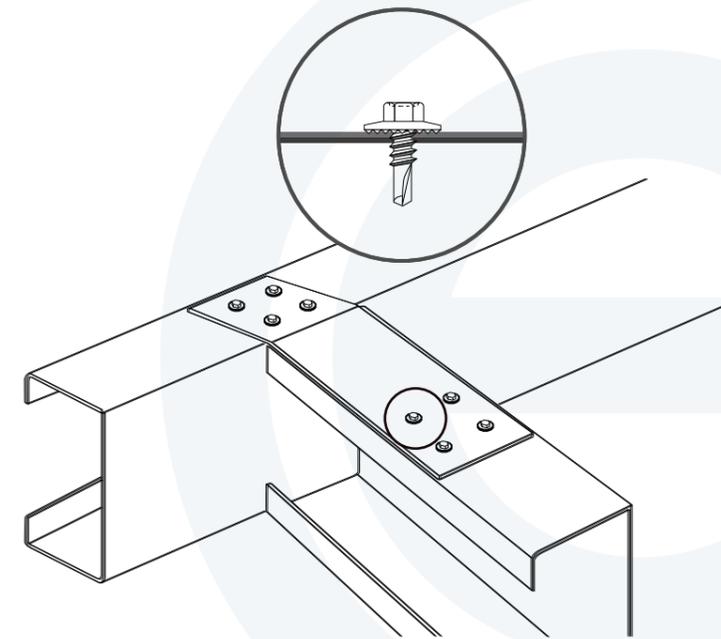


DESCRIPTION

Hex Washer Flange (18S)
LEVIN® Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
18S Underhead
Enclosed Last Thread
Harpoon Thread
LEVIN® Drill Point

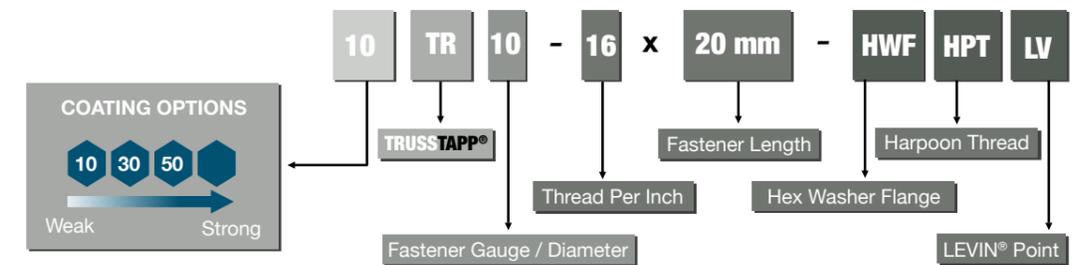


Part Number

TR 10 - 16 x 20mm
TR 12 - 14 x 20mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



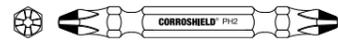
STEEL PENETRATION

Max. 1.8mm thick

ADAPTER TO USE

CORROSHIELD®

Hi-Torque Philips Bit (PHBT 001)

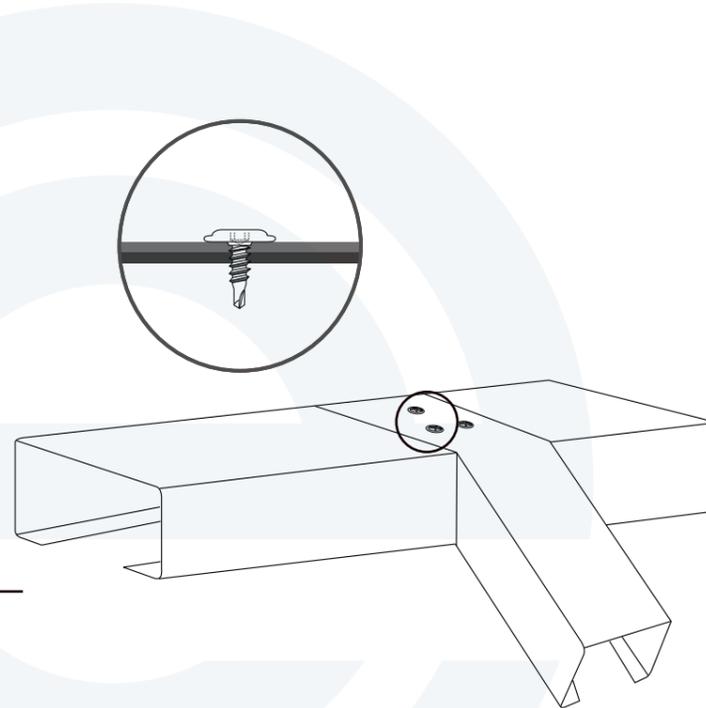
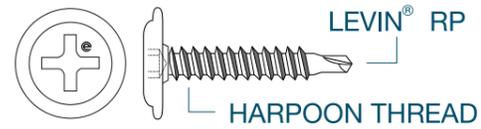


DESCRIPTION

Button Head Philips Drive
Harpoon Thread
LEVIN® Reduced Drill Point

PRODUCT FEATURE/S

Low Profile Button Head
Harpoon Thread
LEVIN® Reduced Drill Point

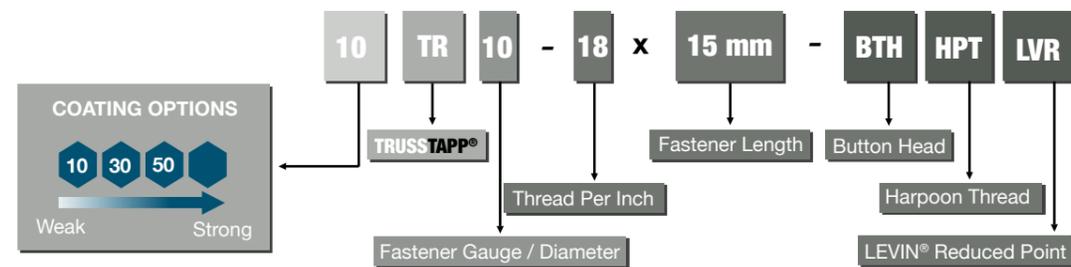


Part Number

TR 10 - 18 x 15mm
TR 10 - 16 x 15mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



Timber Applications



TIMTAPP®
SERIES

TIMTAPP®

- Carbon steel fasteners for fixing steel sheets into timber substrates

Standard Features of TIMTAPP®

Hex Washer Flange

TY17 Drill Point

Black/Grey Round Cut EPDM Washer

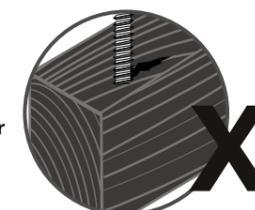
STEELTAPP®

TIMTAPP®

Type 17 Drill Point for **effective engagement** into timber

Coarse Thread for higher pull out performance

Prevents splitting of timber



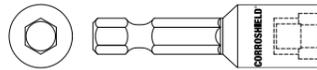
CORROSHIELD®
FASTENERS

TIMBER PENETRATION

Min.25mm penetration

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

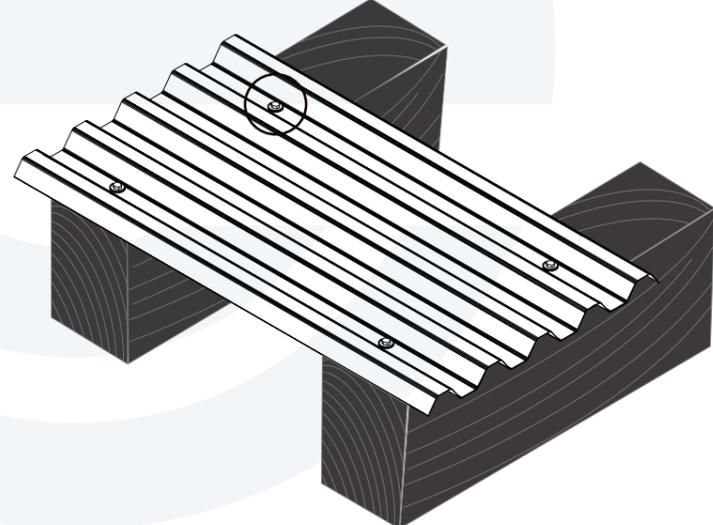
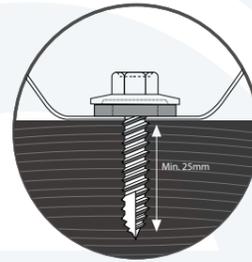
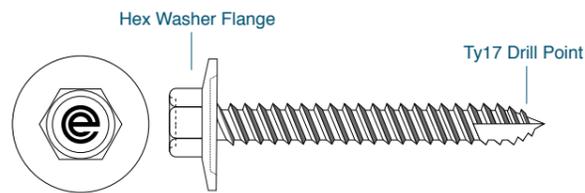
Hex Washer Flange
Ty17 Drill Point

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)

WASHER OPTION/S

Round Cut EPDM Washer

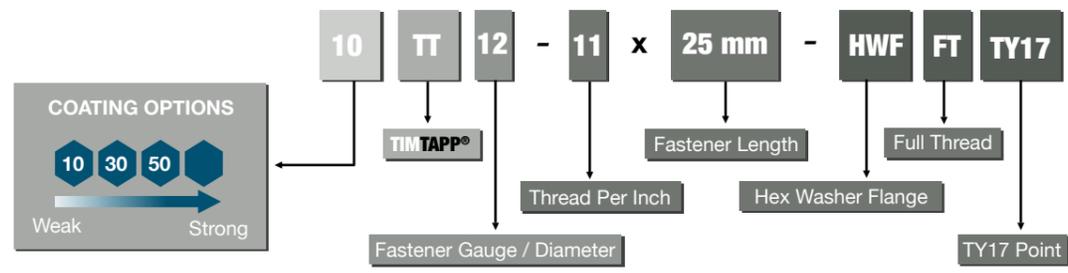


Part Number

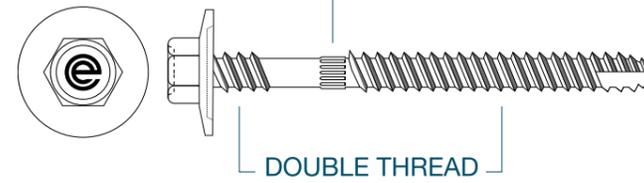
- TT 12 - 11 x 25mm
- TT 12 - 11 x 30mm
- TT 12 - 11 x 35mm
- TT 14 - 11 x 35mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



SCRATCHSHIELD®

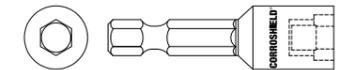


TIMBER PENETRATION

Min.25mm penetration

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Flange
Ty17 Drill Point

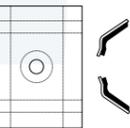
PRODUCT FEATURE/S

ø 14mm Integrated Flange (EWF)
Double Thread
ScratchShield®

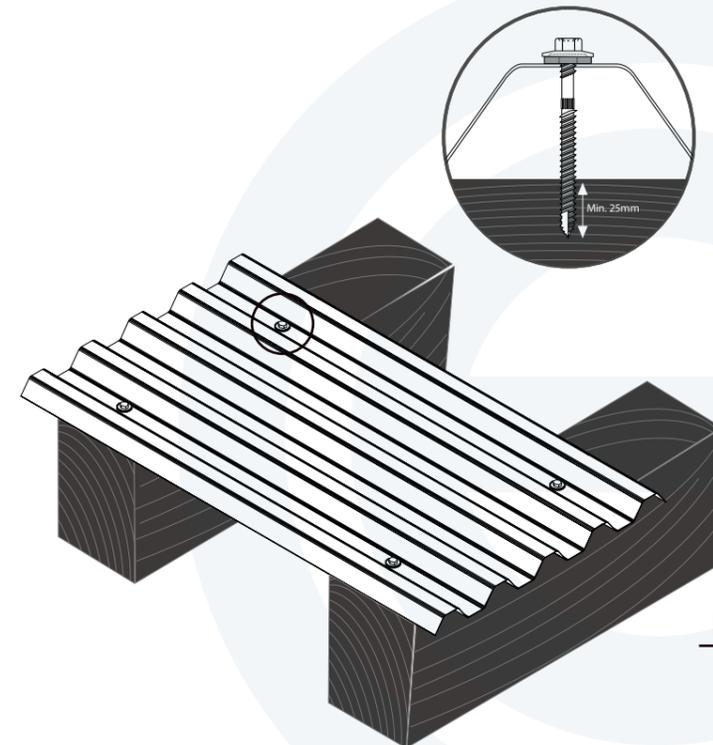
WASHER OPTION/S

Round Cut EPDM Washer

Cyclonic Washer for cyclonic regions[#]



[#] We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

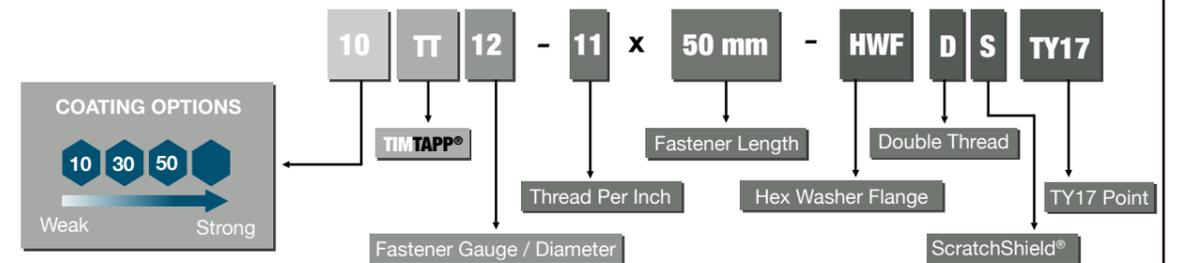


Part Number

- TT 12 - 11 x 50mm
- TT 12 - 11 x 55mm
- TT 12 - 11 x 60mm
- TT 12 - 11 x 65mm
- TT 12 - 11 x 75mm
- TT 12 - 11 x 90mm
- TT 12 - 11 x 100mm
- TT 12 - 11 x 110mm
- TT 12 - 11 x 115mm
- TT 12 - 11 x 130mm
- TT 12 - 11 x 160mm
- TT 14 - 11 x 65mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



Steel / Timber Applications



DUOTAPP[®]
SERIES

DUOTAPP[®]

- Carbon steel fasteners for fixing steel sheets into steel as well as timber substrates

Standard Features of **DUOTAPP**[®]

Hex Washer Flange

DUOTAPP[®] Drill Point

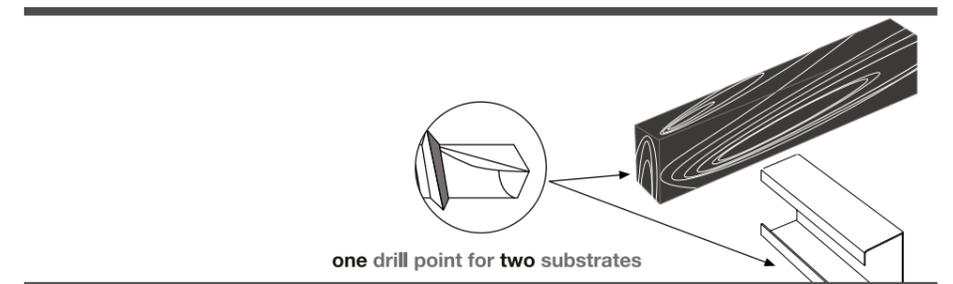
Double Thread ScatchShield™

Black/Grey EPDM Washer Round Cut

DUOTAPP[®]

One drill point for **Two** substrates

Drills into **steel** (2mm) as well as **timber substrate**



DUOTAPP®

DUO APPLICATION CREST FIXING FASTENERS

Carbon steel fasteners for fixing steel sheets into steel as well as timber substrates

STEELTAPP®
CORROSHIELD®

STEEL PENETRATION

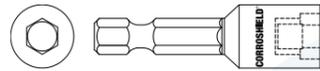
Max.2.0mm thick

TIMBER PENETRATION

Min.25mm penetration

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Flange
DUOTAPP® Drill Point

PRODUCT FEATURE/S

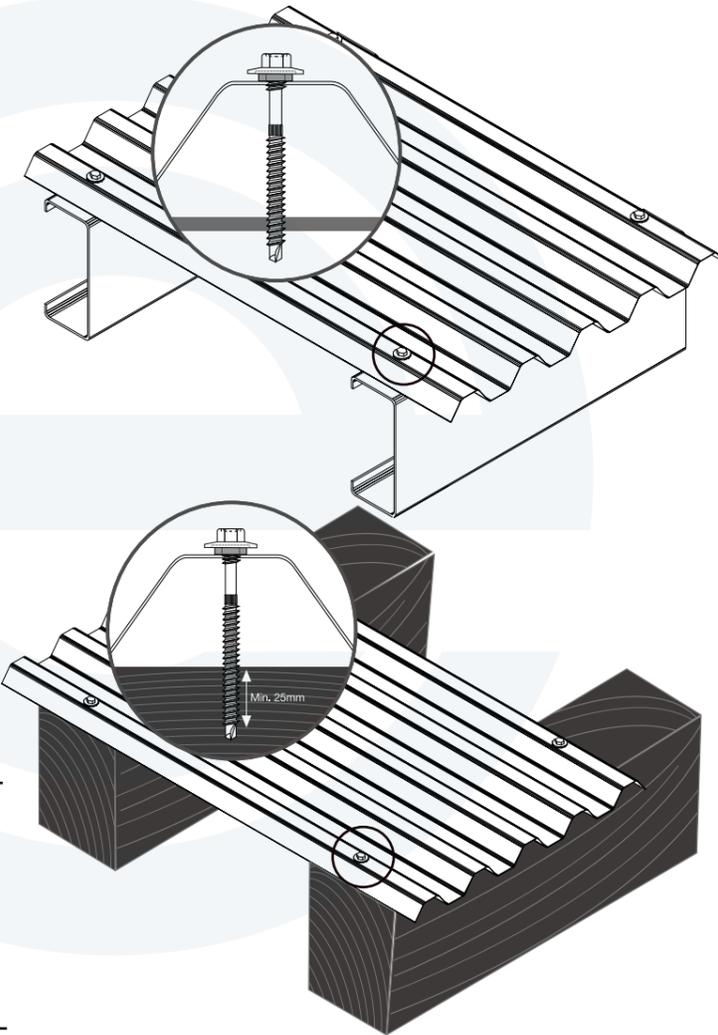
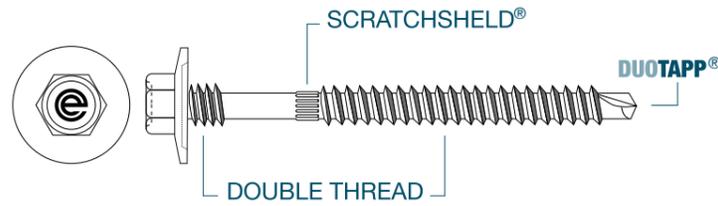
Ø 14mm Integrated Flange (HWF)
Double Thread
ScratchShield®
DUOTAPP® Drill Point

WASHER OPTION/S

Round Cut EPDM Washer

Cyclonic Washer for cyclonic regions#

We recommend use of cyclonic washer in region where wind speed exceeds 120km/h

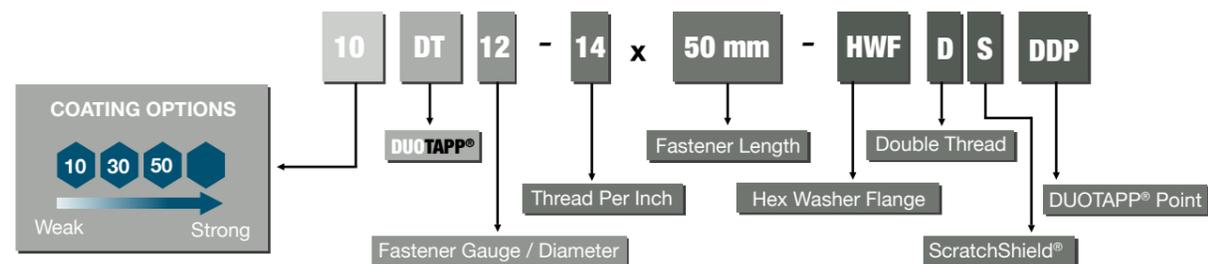


Part Number

DT 12 - 14 x 50mm
DT 12 - 14 x 65mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



CORROSHIELD® FASTENERS

Skylight Applications



POLYTAPP® SERIES

POLYTAPP®

- Carbon steel fasteners for fixing skylights to steel or timber substrates

Standard Features of POLYTAPP®

Hex Washer Flange

10mm Pilot Hole Wing

29mm Dome EPDM Washer



STEELTAPP®

POLYTAPP®

Fasteners for fixing skylight profiles preventing :

Cracking of skylight sheets due to thermal expansion

Water leakages with special dome EPDM washers

Cuts down sheet damage
under thermal expansion



CORROSHIELD®
F A S T E N E R S

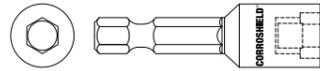
PATENTED
ENGINEERING & DESIGN

STEEL PENETRATION

Max.5.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

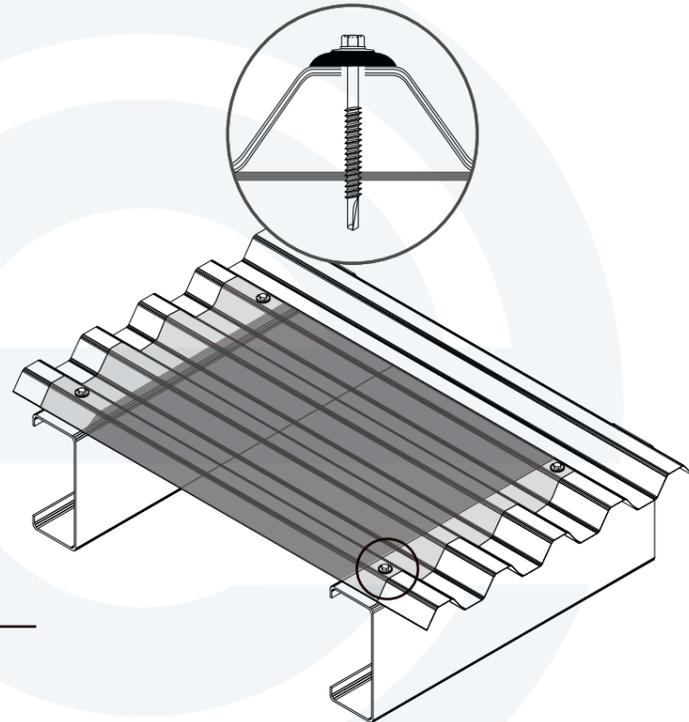
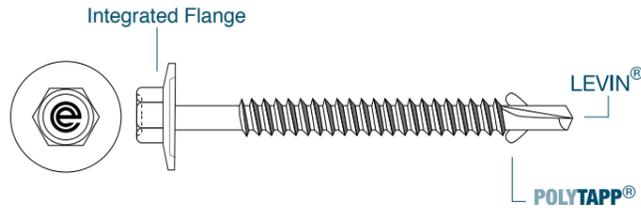
Hex Washer Flange
LEVIN® Drill Point
POLYTAPP®

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
LEVIN® Drill Point
POLYTAPP® Pilot Hole Wing

WASHER OPTION/S

- ø 25mm Dome Black EPDM w/o Plate*
- ø 25mm Dome Black EPDM w/ Stainless Steel Plate**
- ø 25mm Dome Black EPDM w/ Aluminum Steel Plate**



Part Number

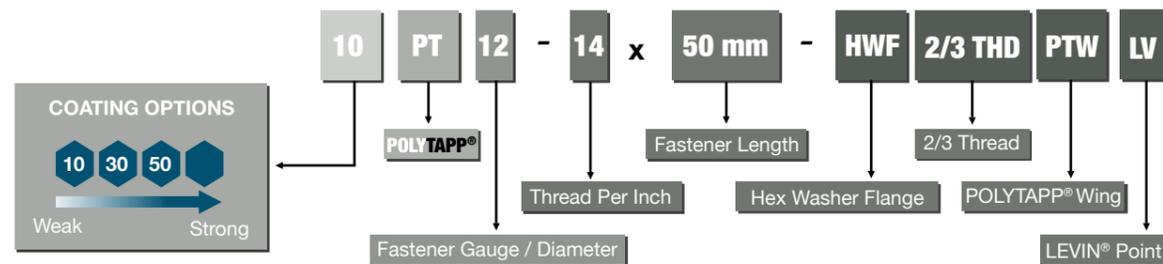
- PT 12 - 14 x 50mm
- PT 12 - 14 x 65mm
- PT 12 - 14 x 75mm

* For size not indicated above, please contact us for further information

INSTALLATION GUIDELINE

- 1) Allow wing to grind into polycarbonate sheet slowly to achieve correct oversized pilot hole.
- 2) Do not overdrive the fastener to prevent failures.

How to Read Our Part Number

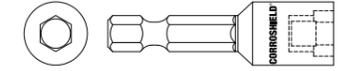


TIMBER PENETRATION

Min.25mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

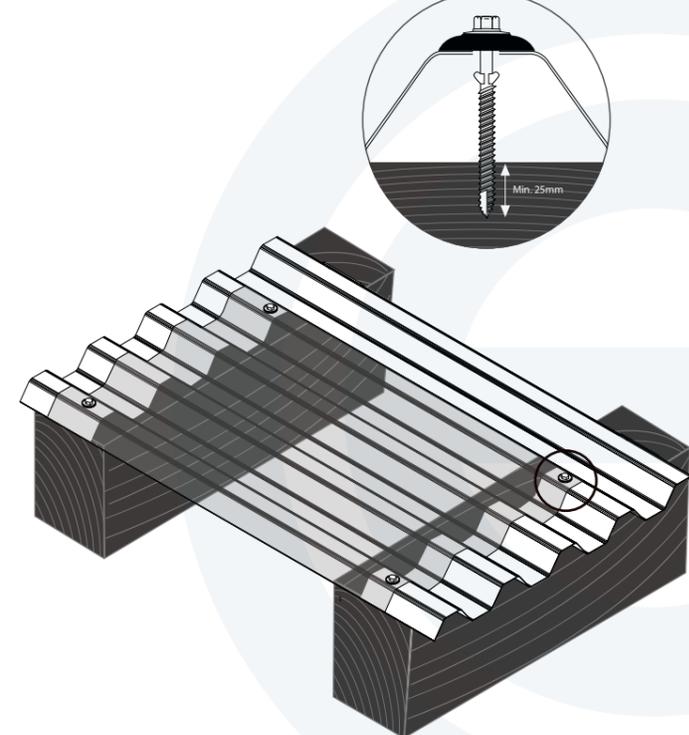
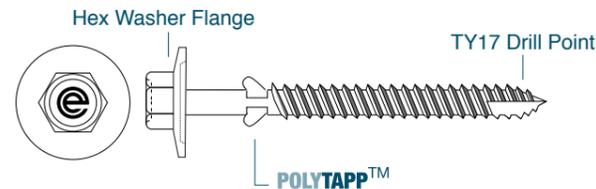
Hex Washer Flange
TY17 Drill Point
POLYTAPP®

PRODUCT FEATURE/S

ø 14mm Integrated Flange (HWF)
Double Thread
ScratchShield®
POLYTAPP® Pilot Hole Wing

WASHER OPTION/S

- ø 25mm Dome Black EPDM w/o Plate*
- ø 25mm Dome Black EPDM w/ Stainless Steel Plate**
- ø 25mm Dome Black EPDM w/ Aluminum Steel Plate**



Part Number

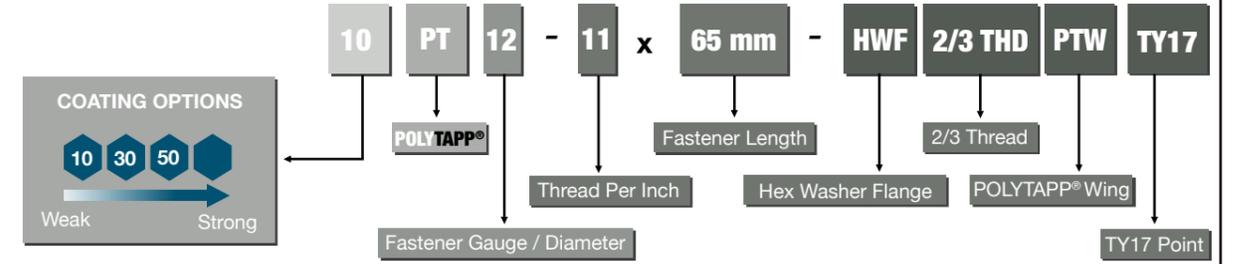
- PT 12 - 11 x 65mm
- PT 12 - 11 x 70mm
- PT 12 - 14 x 80mm

* For size not indicated above, please contact us for further information

INSTALLATION GUIDELINE

- 1) Allow wing to grind into polycarbonate sheet slowly to achieve correct oversized pilot hole.
- 2) Do not overdrive the fastener to prevent failures.

How to Read Our Part Number



Fibre Cogurated Sheets Applications



FIBRETAPP® SERIES

FIBRETAPP®

- Carbon steel fasteners for fixing fibre cogurated sheets on steel or timber substrates

Standard Features FIBRETAPP®

Hex Washer Flange

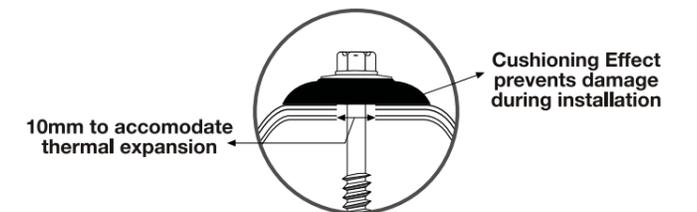
FIBRETAPP™ Pilot Hole Wing

LEVIN™ Drill Point

FIBRETAPP®

Ø10mm Pilot hole on corrugated sheets to accomodate thermal expansion of sheets

Ø29mm Dome washers to prevent damage to corrugated during application



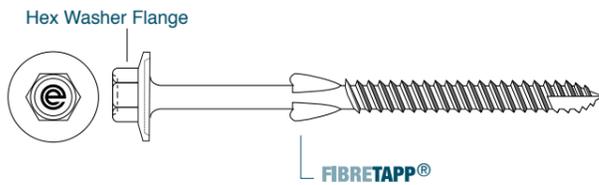
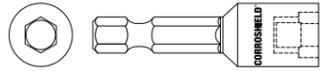
Carbon steel fasteners for fixing corrugated fibre cement sheet into timber substrates

STEEL PENETRATION

Min. 25mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Flange

FIBRETAPP®

PRODUCT FEATURE/S

Special Hex Washer Head

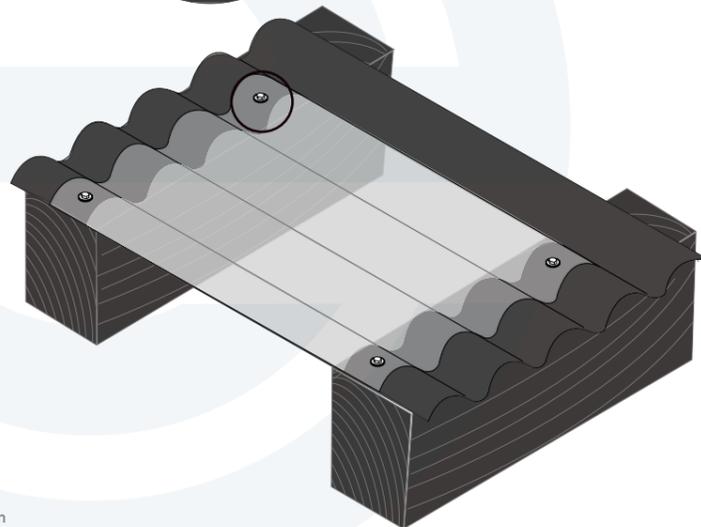
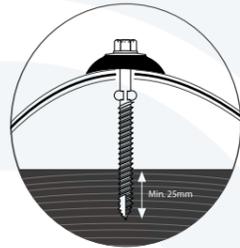
FIBRETAPP® Pilot Hole Wing

WASHER OPTION/S

ø 29mm Dome Black EPDM w/o Plate#

ø 29mm Dome Black EPDM w/ Stainless Steel Plate##

ø 29mm Dome Black EPDM w/ Aluminum Steel Plate##

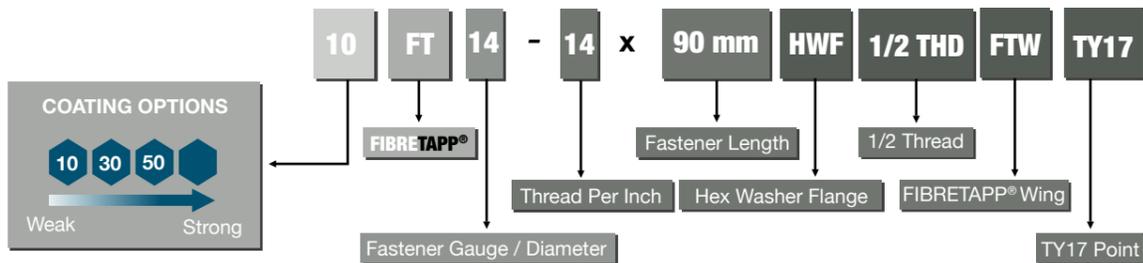


Part Number

FT 14 - 14 x 90mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



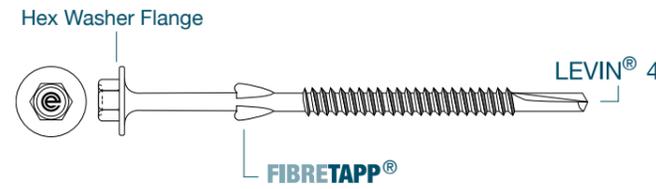
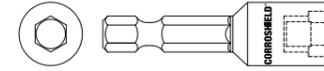
Carbon steel fasteners for fixing corrugated fibre cement sheet into steel substrates

STEEL PENETRATION

Max. 8mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Flange

LEVIN® 4 Drill Point

PRODUCT FEATURE/S

Hex Washer Head

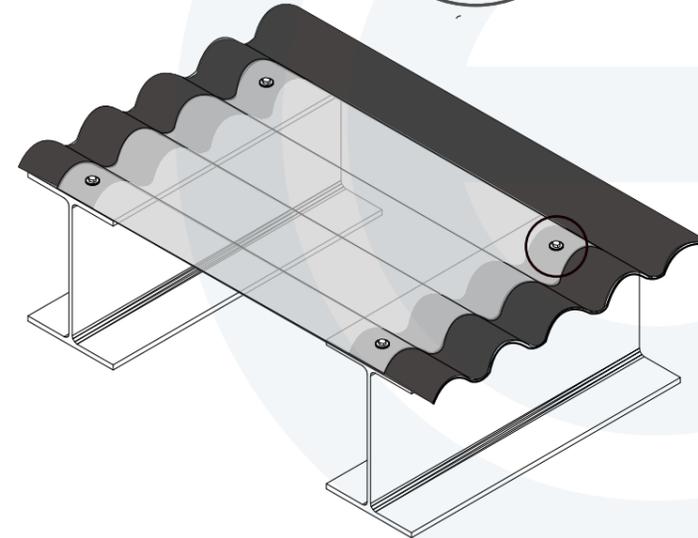
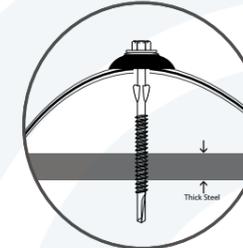
FIBRETAPP® Pilot Hole Wing

WASHER OPTION/S

ø 29mm Dome Black EPDM w/o Plate#

ø 29mm Dome Black EPDM w/ Stainless Steel Plate##

ø 29mm Dome Black EPDM w/ Aluminum Steel Plate##

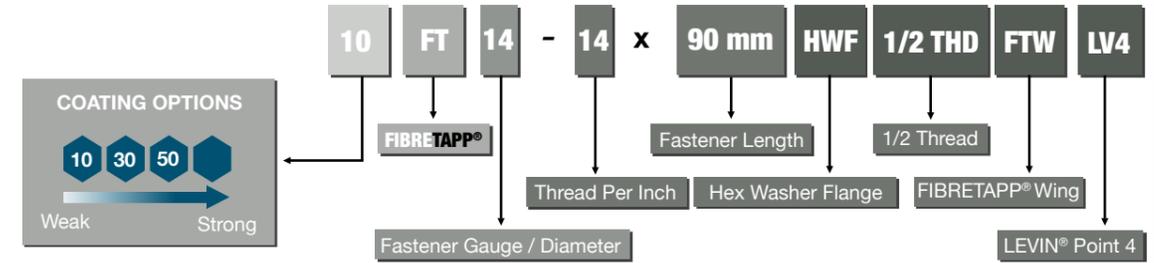


Part Number

FT 14 - 14 x 90mm
FT 14 - 14 x 100mm
FT 14 - 14 x 110mm
FT 14 - 14 x 120mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



Masonry / Concrete Applications



CONTAPP®
SERIES

CONTAPP®

- Carbon steel fasteners for fixing substrates onto masonry or concrete.

Standard Features of **CONTAPP®**

Hex Slotted Head

Diamond Point

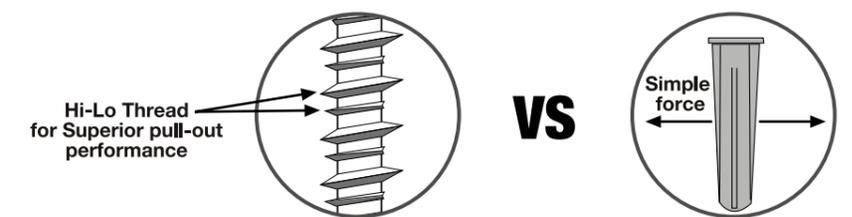
Hi-Lo Thread

CONTAPP®

Actual thread **engagement** in **concrete**

Superior **pull-out** performance

Improved application **durability**



STEELTAPP®
CORROSHIELD®

PRODUCT FEATURES

Hex Slotted Head
Hi-Lo Thread
Diamond Point

MIN. EMBEDMENT DEPTH

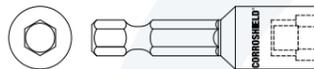
25mm (1 in.)

PILOT HOLE DIAMETER

Fastener Dia. mm (in)	Inches	Metric
M4.8 (3/16)	5/32	4 mm
M6.3 (1/4)	3/16	5 mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



TOOLS AND ACCESSORIES

1) CORROSHIELD® 620W Hammer Drill (P/N ASK 620HVE)



2) Close Tolerance Concrete Drill Bit (For sizes, see pilot hole diameter above)



3) Quick Change Tooling System

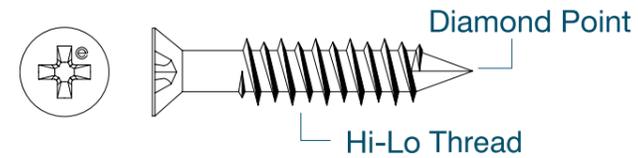
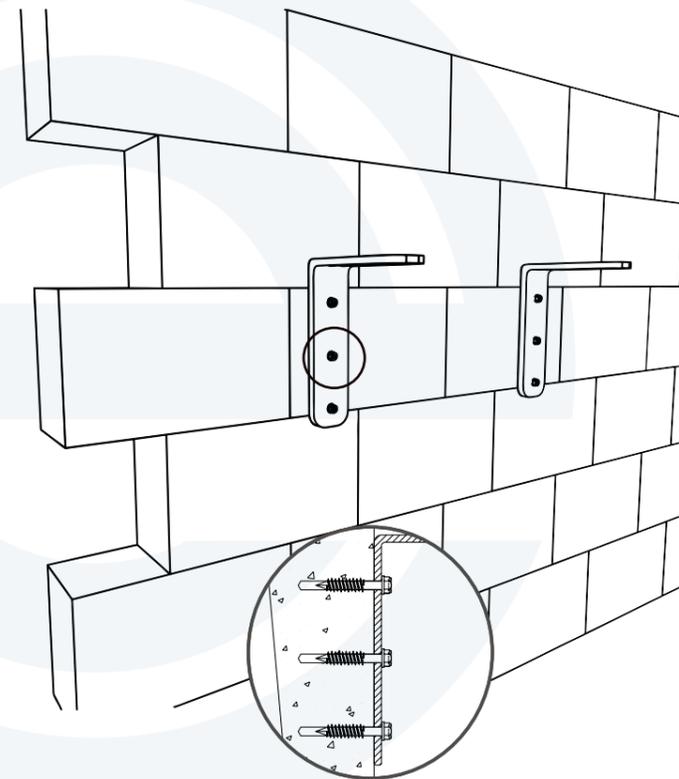
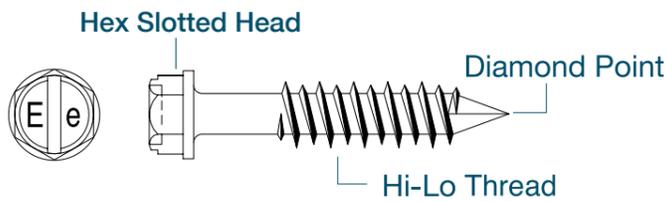
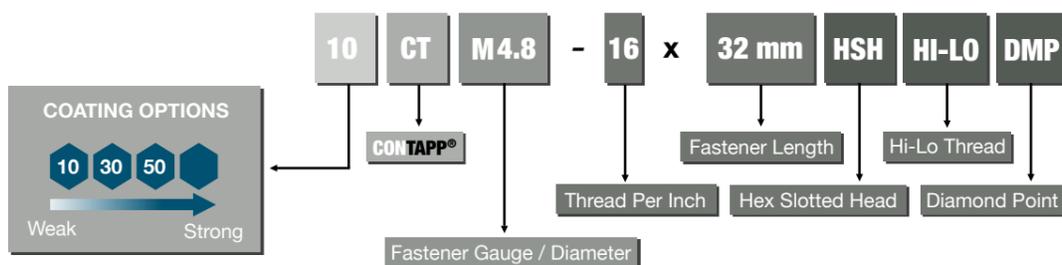


Part Number

CT M4.8 - 16 x 32mm	CT M6.3 - 14 x 45mm
CT M4.8 - 16 x 45mm	CT M6.3 - 14 x 57mm
CT M4.8 - 16 x 57mm	CT M6.3 - 14 x 70mm
CT M4.8 - 16 x 70mm	CT M6.3 - 14 x 83mm
CT M4.8 - 16 x 83mm	CT M6.3 - 14 x 95mm
CT M4.8 - 16 x 95mm	CT M6.3 - 14 x 102mm
CT M4.8 - 16 x 105mm	CT M6.3 - 14 x 127mm
CT M6.3 - 14 x 32mm	CT M6.3 - 14 x 152mm

* SAFETY PRECAUTION! This product is strictly recommended for non-structural applications only. Please ensure all thread engagement is not in any hollowed area of any form of blocks or bricks. All CONTAPP® are packed in 100 per mini-box with a complimentary close tolerance concrete drill bit.

How to Read Our Part Number



PRODUCT FEATURES

Countersunk with Philips Drive No.2
Hi-Lo Thread
Diamond Point

MIN. EMBEDMENT DEPTH

25mm (1 in.)

PILOT HOLE DIAMETER

Fastener Dia. mm (in)	Inches	Metric
M4.8 (3/16)	5/32	4 mm
M6.3 (1/4)	3/16	5 mm

ADAPTER TO USE

CORROSHIELD® Hi-Torque Philips Bit No.2 (P/N PHBT001)



TOOLS AND ACCESSORIES

1) CORROSHIELD® 620W Hammer Drill (P/N ASK 620HVE)



2) Close Tolerance Concrete Drill Bit (For sizes, see pilot hole diameter above)



3) Quick Change Tooling System

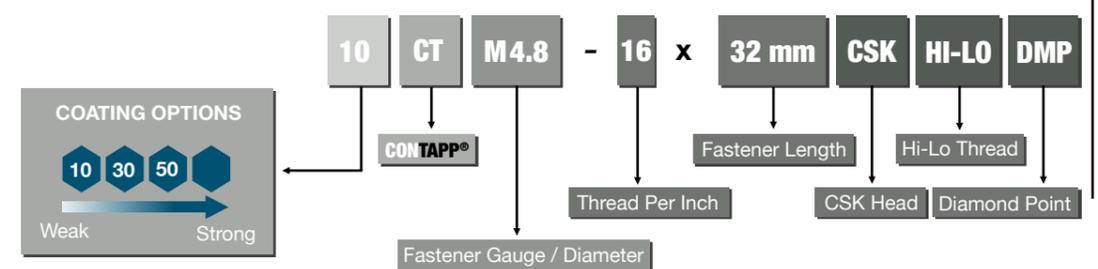


Part Number

CT M4.8 - 16 x 32mm	CT M6.3 - 14 x 45mm
CT M4.8 - 16 x 45mm	CT M6.3 - 14 x 57mm
CT M4.8 - 16 x 57mm	CT M6.3 - 14 x 70mm
CT M4.8 - 16 x 70mm	CT M6.3 - 14 x 83mm
CT M4.8 - 16 x 83mm	CT M6.3 - 14 x 95mm
CT M4.8 - 16 x 95mm	CT M6.3 - 14 x 102mm
CT M4.8 - 16 x 105mm	CT M6.3 - 14 x 127mm
CT M6.3 - 14 x 32mm	CT M6.3 - 14 x 152mm

* SAFETY PRECAUTION! This product is strictly recommended for non-structural applications only. Please ensure all thread engagement is not in any hollowed area of any form of blocks or bricks. All CONTAPP® are packed in 100 per mini-box with a complimentary close tolerance concrete drill bit.

How to Read Our Part Number



STEELTAPP®
CORROSHIELD®

FIXTURE SPECIFICATIONS

Nominal Fastener Diameter	Length	Fixture Hole Clearance	Max. Thickness	Min. Distance From Edge
M4.8	32	6	40	50
	45		53	
	57		65	
	70		78	
	83		91	
	95		103	
	102		110	
M6.3	32	8	40	45
	45		53	
	57		65	
	70		78	
	83		91	
	95		103	
	102		110	
	127		135	
	152		160	

All values are in millimetres (mm) unless otherwise stated.
Fixtures are to be pre-drilled or punched with holes, before installation.

Aluminium Applications



BIMATAPP®
SERIES

BIMATAPP®

- Stainless Steel fasteners with Carbon steel drill point for fixing aluminium sheets into steel substrates

Standard Features of BIMATAPP®

Hex Washer Head

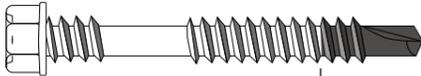
LEVIN™ Drill Point

Stainless Steel Bonded with Grey/Black EPDM Washer

BIMATAPP®

Stainless steel fasteners with self drilling **performance** of carbon steel fasteners

Single operation stainless steel fastening solution



Stainless Steel body minimises galvanic reaction towards aluminium sheets

Carbon Steel drill point ensuring effective drill penetration.

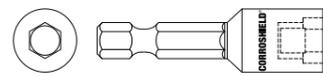


STEEL PENETRATION

Max. 5.0mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Head
LEVIN® Drill Point

PRODUCT FEATURE/S

Double Thread
LEVIN® Drill Point

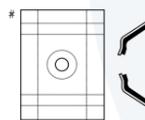
WASHER OPTION/S

Ø 16mm Alu Bond EPDM Black
Ø 19mm Alu Bond EPDM Black

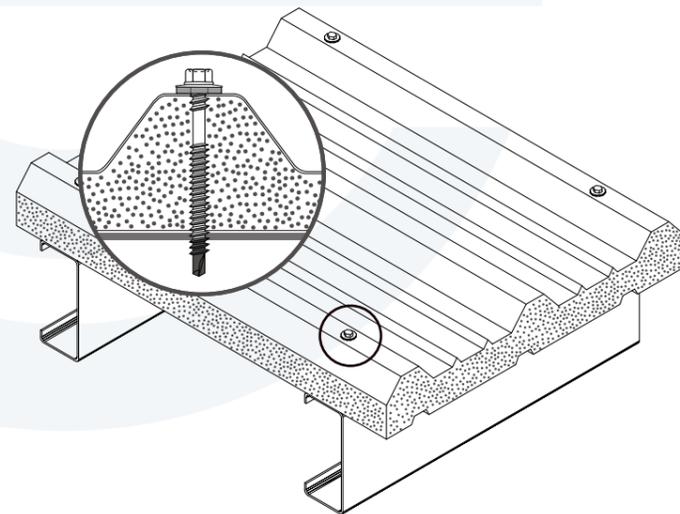
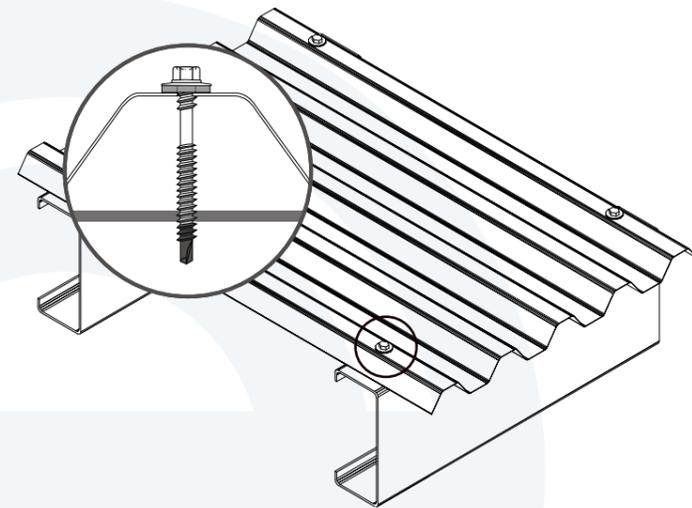
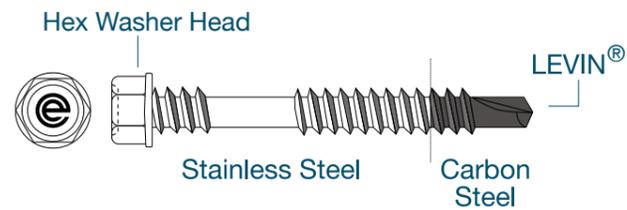
Ø 16mm S/S Bond EPDM Black
Ø 19mm S/S Bond EPDM Black



Cyclonic Washer for cyclonic regions*



We recommend use of cyclonic washer in region where wind speed exceeds 80km/h

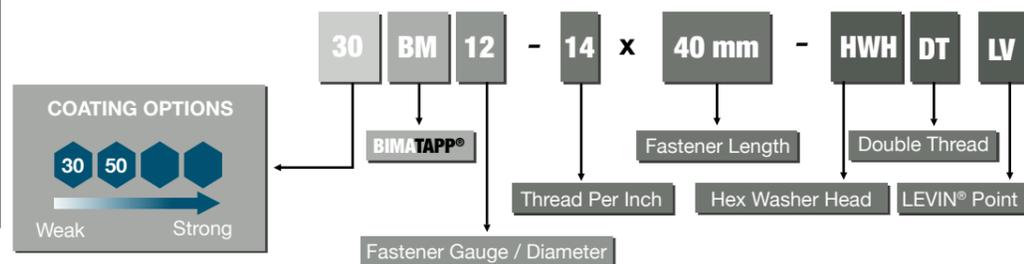


Part Number

- BM 12 - 14 x 40mm
- BM 12 - 14 x 55mm
- BM 12 - 14 x 65mm
- BM 12 - 14 x 75mm
- BM 12 - 14 x 80mm
- BM 12 - 14 x 90mm
- BM 12 - 14 x 120mm
- BM 12 - 14 x 130mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

Colour matching for cyclonic washer

DESCRIPTION

Hex Washer Head
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

Double Thread
LEVIN® 5 Drill Point

WASHER OPTION/S

Ø 16mm Alu Bond EPDM Black
Ø 19mm Alu Bond EPDM Black

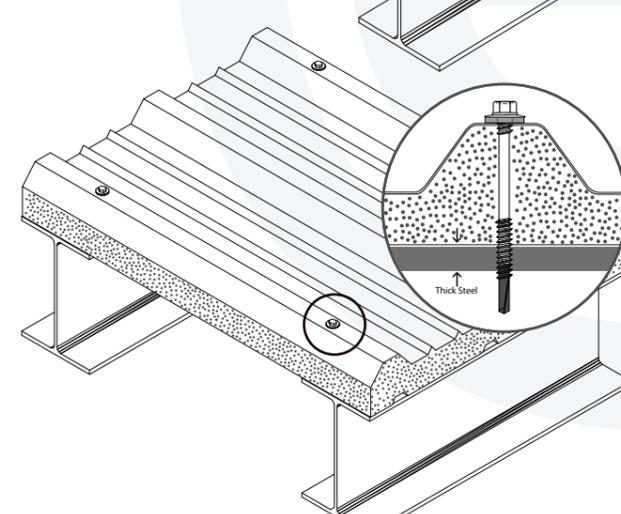
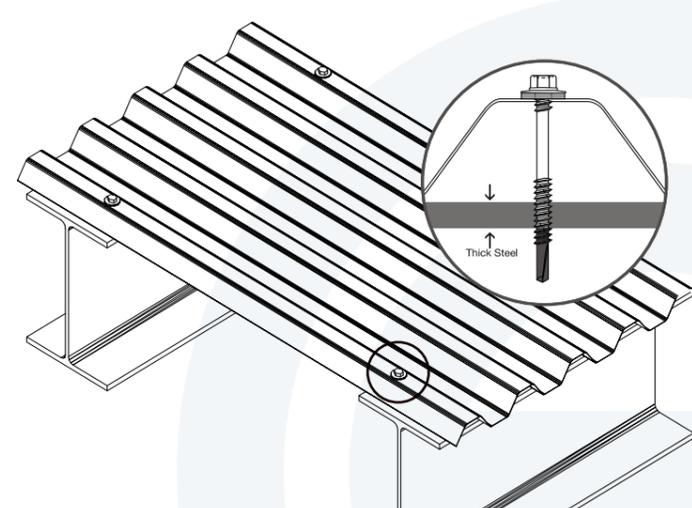
Ø 16mm S/S Bond EPDM Black
Ø 19mm S/S Bond EPDM Black



Cyclonic Washer for cyclonic regions*



We recommend use of cyclonic washer in region where wind speed exceeds 80km/h

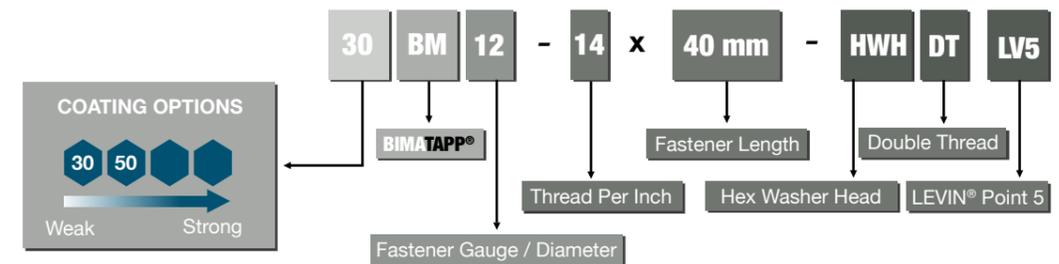


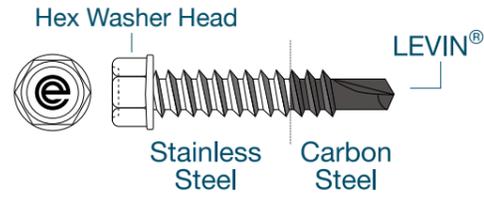
Part Number

- BM 12 - 14 x 40mm
- BM 12 - 14 x 55mm
- BM 12 - 14 x 65mm
- BM 12 - 14 x 75mm
- BM 12 - 14 x 80mm
- BM 12 - 14 x 90mm
- BM 12 - 14 x 120mm
- BM 12 - 14 x 130mm

* For size not indicated above, please contact us for further information

How to Read Our Part Number



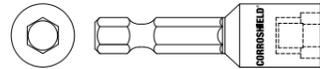


STEEL PENETRATION

Max. 5.0mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Head
LEVIN® Drill Point

PRODUCT FEATURE/S

LEVIN® Drill Point

WASHER OPTION/S

ø 16mm Alu Bond EPDM Black
ø 19mm Alu Bond EPDM Black

ø 16mm S/S Bond EPDM Black
ø 19mm S/S Bond EPDM Black

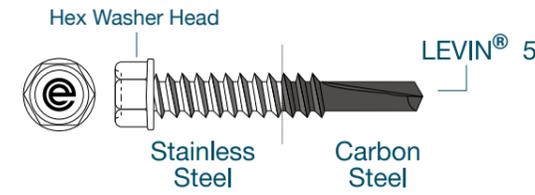
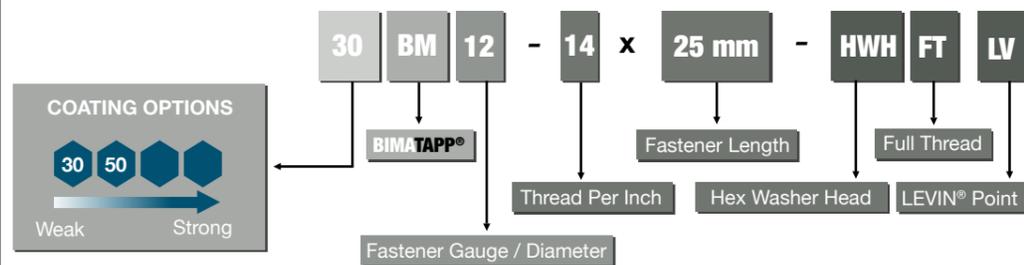


Part Number

BM 12 - 14 x 25mm	BM 12 - 14 x 70mm
BM 12 - 14 x 30mm	BM 12 - 14 x 80mm
BM 12 - 14 x 35mm	BM 12 - 14 x 120mm
BM 12 - 14 x 40mm	BM 12 - 14 x 130mm
BM 12 - 14 x 45mm	
BM 12 - 14 x 50mm	
BM 12 - 14 x 60mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number

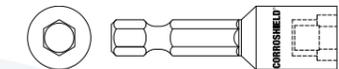


STEEL PENETRATION

Max. 12.5mm thick

ADAPTER TO USE

CORROSHIELD® Hi-Torque Magnetic Hex Socket



OTHER OPTION/S

Painted head to match the colour of roofing sheets

DESCRIPTION

Hex Washer Head
LEVIN® 5 Drill Point

PRODUCT FEATURE/S

LEVIN® 5 Drill Point

WASHER OPTION/S

ø 16mm Alu Bond EPDM Black
ø 19mm Alu Bond EPDM Black

ø 16mm S/S Bond EPDM Black
ø 19mm S/S Bond EPDM Black

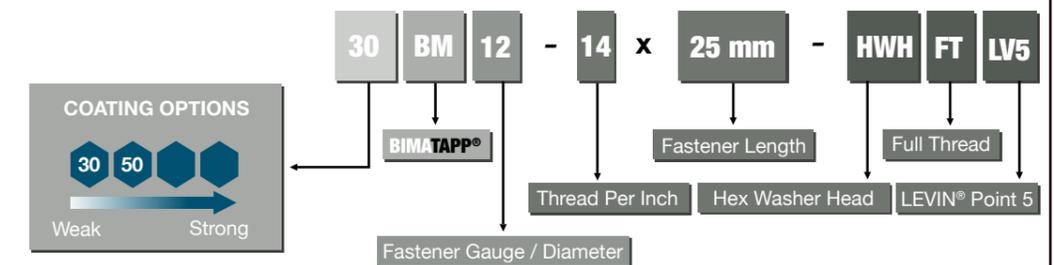


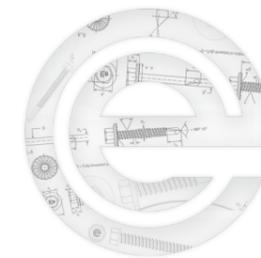
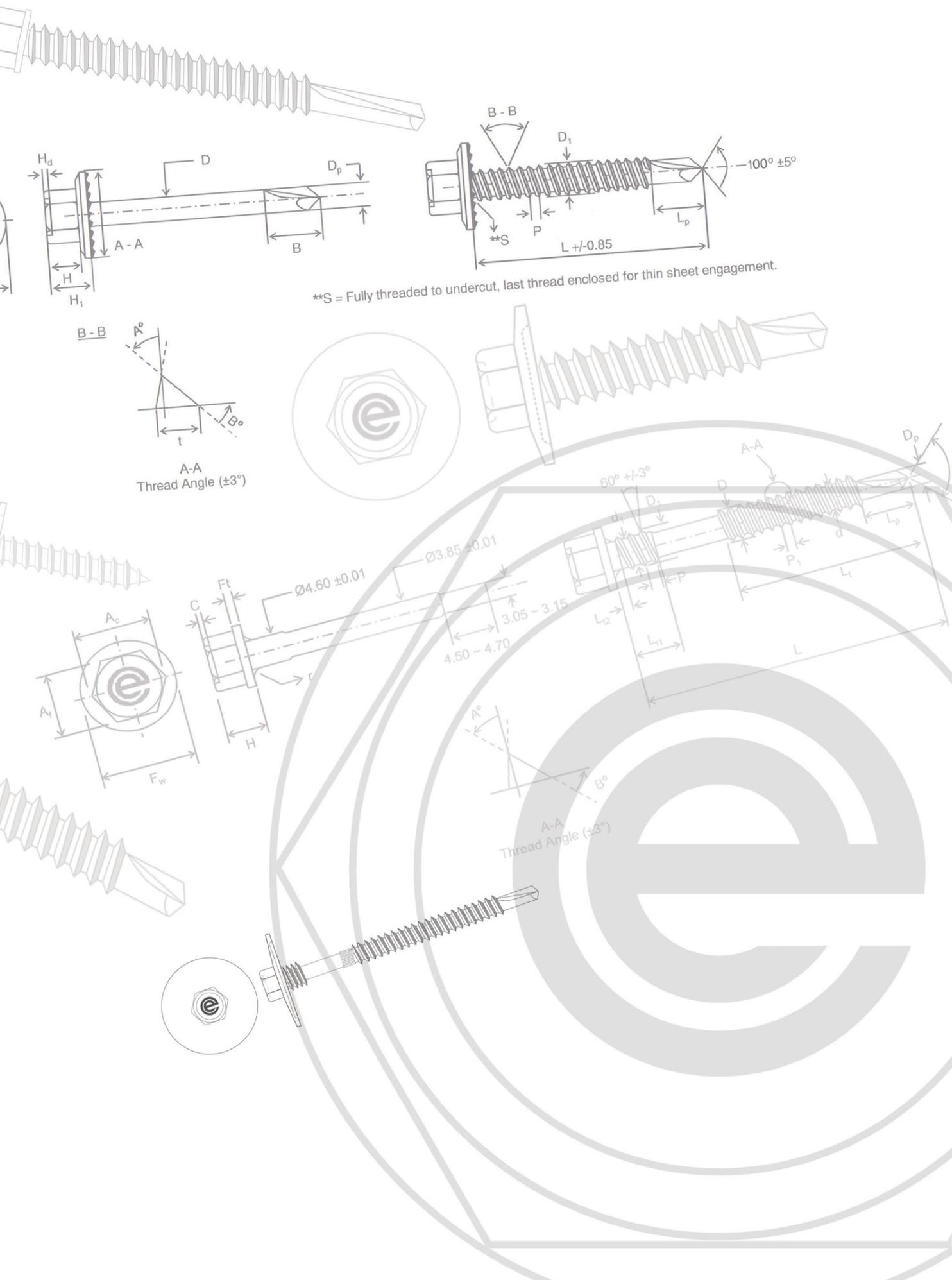
Part Number

BM 12 - 14 x 25mm	BM 12 - 14 x 70mm
BM 12 - 14 x 30mm	BM 12 - 14 x 80mm
BM 12 - 14 x 35mm	BM 12 - 14 x 120mm
BM 12 - 14 x 40mm	BM 12 - 14 x 130mm
BM 12 - 14 x 45mm	
BM 12 - 14 x 50mm	
BM 12 - 14 x 60mm	

* For size not indicated above, please contact us for further information

How to Read Our Part Number





CREATING AN EDGE

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 T : +65 6552 4680 F : +65 6552 7554
 E : info@engineering-edge.com