



evolution



PRODUCT GUIDE
2018

Version 2.1

CONTENTS

TEK RANGE	
Standard Tek - Bonded Hex Washer Head Tek 3 For 1.2mm - 3.5mm Steel	6–7
Standard Tek - Bonded Hex Washer Head Tek 5 For 4mm - 12.5mm Steel	8–9
Standard Tek - Unwashed Hex Head Tek 3 For 1.2mm - 3.5mm Steel	10–11
Standard Tek - Unwashed Hex Head Tek 5 For 4mm - 12.5mm Steel	12–13
A4 Grade Stainless Steel Standard Tek Screws	14–15
Super Tek - Hex Head Tek 6/7	16–17
Super Tek - Hex Head Tek 8	18
Q10 Supertek	19
Super Wing Drill - Countersunk Tek 7 For 4mm - 18mm Steel	20–21
Stitching Screws	22–23
Metal Framing	24–25
Hex-Head (Washed) Stitching Screws	26–27
Composite Panel	28–29
A2 Composite Panel Fasteners	30–31
Heavy Section Composite Panel Fasteners	32–33
A2 Heavy Section Composite Panel Fasteners	34–35
Dome-Head (Washed) Stitching Screws	36–37
Timber Tek For 1.2mm - 3.5mm Steel	38–39
Bi-metal Timber Tek For 1.2mm - 3.5mm Steel	40–41
Timber Tek For 4mm - 12.5mm Steel	42–43
Bi-metal Timber Tek For 4mm - 12.5mm Steel	44–45
Composite Panel for Timber	46–47
Miscellaneous Hex Head	48–49
Economy Standard Tek Zinc - Bonded Hex Washer Head Tek 3 / Tek 5	50
Economy Standard Tek Zinc - Unwashed Hex Head Tek 3 / Tek 5	51
Economy Timber Tek Zinc	52
Miscellaneous Tek	53
Tek Colour Caps	54
Colour Moulding	55
Powder Coating	56

INSULATION	
Self Drilling Insulation - Phillips	56–57
Self Drilling Insulation - Torx	58–59
Self Drilling Insulation Screws - A4 Stainless Steel	60–61
Heavy Duty Roofing Screw	62–63
Stress Plates	62–63
Insulation Retaining Washer	64–65
Panel-Fix	66–67

MASONRY SCREWS & ANCHORS	
Self Tapping Masonry Screw	68–69
A4 Grade Bi-Metal Masonry Screws	70–71
Self Tapping Framing Screws with Torx Head	72–73
High Performance Hammerfix	74–75
Standard Hammerfix	76–77
A2 Hammerfix	78–79
Steel Ceiling Anchors	80
Wirehangers	81
Plasterboard Anchors	82–83
Anchorbolts	84–85

CONTENTS

DRYWALL

Fine Thread Drywall Screws (Zinc)	86–87
Fine Thread Drywall Screw (Black Phosphate)	88–89
Bugle Head Self-Drill Drywall Screws	90–91
Wafer & Pan Head Self-Drill Drywall Screws	92–93
Coarse Thread Drywall Screw (Black Phosphate)	94–95
Cementitious Board Screws	96–97
Tough Board Screws	98
Under Cutting Drywall Screws	99
Reverse Thread Drywall Screws	99
Heavy Duty Cutter Ring Drywall Screws	99
Fine Thread Collated Drywall Screws (Zinc)	100–101
Fine Thread Collated Drywall Screws (Black Phosphate)	102–103
Coarse Thread Collated Drywall Screws (Black Phosphate)	104–105
Self-Drill Collated Drywall Screws	106–107
Collated Exterior Board Screws	108–109
Collated Tough Board Screws	110

WOODMASTER RANGE

Collated Flooring Screws	111
Woodmaster Pozi Drive Super Cutter Screws	112–113
Woodmaster Torx Head Super Cutter Screws	114–115
A4 Woodmaster Super Cutter Screws	116–117
Woodmaster Decking Screws	118–119
Woodmaster Structural Decking Screws	120–121
Big Beam Yellow Zinc Passivated Woodscrews	122–123

CONTENTS

ACCESSORIES	
Vertical Flange Clips	124
Acoustic Brackets	124
Rigid Steel Ceiling Cleat	125
Washers	125
Bit Holders	126
Drive Kits	126
Magnetic Nut Setter	126
Universal Drive Bits	127
PGM® Certified SDS Plus Drill Bits	128
SDS Plus Drill Bits	129
Intumescent and Acoustic Acrylic Sealant	130
Tek Colour Caps	131

COATINGS	
Evoshield®	132
Zinc	133
Stainless Steel	133

CE MARKING	134
-------------------	------------

TESTING & ANALYTICAL SERVICES	135
--	------------

SPECTROMETRY	136–137
---------------------	----------------

DISPLAY STANDS	138
-----------------------	------------

TERMS AND CONDITIONS OF SALE	139
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TEK SCREWS

Standard Tek

Bonded Hex Washer Head Tek 3
For 1.2mm - 3.5mm Steel



evoshield

TECHNICAL

✓ Evoshield Coating

Designed For:	Fixing cladding and roofing applications to hot and cold rolled purlins/rails
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM
Thread Form:	Coarse thread (Tek 3)
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head with bonded washer
- ✓ Bonded steel washer can act as isolation between substrate and fixture, as an aid to clamping where fixture clearance hole sizes require, and as a weatherseal

✓ Bi-metal

Designed For:	Fastening in aluminium sheeting and panels
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM
Thread Form:	Coarse thread (Tek 3)
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2)



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



Standard Tek

Bonded Hex Washer Head Tek 3 For 1.2mm - 3.5mm Steel



Code	Size	Box	Carton	Evoshield Coating	Bi-Metal
TSBW5.5-26-3	5.5 x 26mm	250	3,500	✓	
TSBW5.5-32-3	5.5 x 32mm	250	3,500	✓	
TSBW5.5-38-3	5.5 x 38mm	250	3,000	✓	
TSBW5.5-50-3	5.5 x 50mm	100	1,400	✓	
TSBW5.5-60-3	5.5 x 60mm	100	1,400	✓	
TSBW5.5-75-3	5.5 x 75mm	100	1,400	✓	
TSBW5.5-100-3	5.5 x 100mm	100	1,200	✓	
BMBW5.5-25-3	5.5 x 25mm	200	2,000		✓
BMBW5.5-38-3	5.5 x 38mm	200	2,000		✓
BMBW5.5-50-3	5.5 x 50mm	100	1,000		✓
BMBW5.5-75-3	5.5 x 75mm	100	1,000		✓
BMBW5.5-100-3	5.5 x 100mm	100	1,000		✓

TSBW-3 / BMBW-3 Usability Data						
Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)
Carbon Steel	Stainless Steel					
TSBW5.5-26-3	N/A	16	5.5	26	FULL	1.2 - 3.5
N/A	BMBW5.5-25-3			25		
TSBW5.5-32-3	N/A			32		
TSBW5.5-38-3	BMBW5.5-38-3			38		
TSBW5.5-50-3	BMBW5.5-50-3			50		
TSBW5.5-60-3	N/A			60		
TSBW5.5-75-3	BMBW5.5-75-3			75		
TSBW5.5-100-3	BMBW5.5-100-3			100		

STANDARD TEK - LIGHT SECTION

TEK SCREWS

Standard Tek

Bonded Hex Washer Head Tek 5
For 4mm - 12.5mm Steel



TECHNICAL

✓ Evoshield Coating

Designed For:	Fixing cladding and roofing applications to hot and cold rolled purlins/rails
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM
Thread Form:	Fine thread (Tek 5)
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head with bonded washer
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Bonded steel washer can act as isolation between substrate and fixture, as an aid to clamping where fixture clearance hole sizes require, and as a weatherseal

✓ Bi-metal

Designed For:	Fastening in aluminium sheeting and panels
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM
Thread Form:	Fine thread (Tek 5)
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2)



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



Standard Tek

Bonded Hex Washer Head Tek 5 For 4mm - 12.5mm Steel



Code	Size	Box	Carton	Evoshield Coating	Bi-metal
TSBW5.5-38-5	5.5 x 38mm	100	2,400	✓	
TSBW5.5-50-5	5.5 x 50mm	100	1,400	✓	
TSBW5.5-60-5	5.5 x 60mm	100	1,400	✓	
TSBW5.5-70-5	5.5 x 70mm	100	1,400	✓	
TSBW5.5-85-5	5.5 x 85mm	100	1,400	✓	
TSBW5.5-100-5	5.5 x 100mm	100	1,200	✓	
BMBW5.5-38-5	5.5 x 38mm	200	2,000		✓
BMBW5.5-65-5	5.5 x 65mm	100	1,000		✓
BMBW5.5-100-5	5.5 x 100mm	100	1,000		✓

TSBW-5 / BMBW-5 Usability Data

Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)
Carbon Steel	Stainless Steel					
TSBW5.5-38-5	BMBW5.5-38-5	16	5.5	38	FULL	4.0 – 12.5
TSBW5.5-50-5	N/A			50		
TSBW5.5-60-5	N/A			60		
N/A	BMBW5.5-65-5			65		
TSBW5.5-70-5	N/A			70	75	
TSBW5.5-85-5	N/A			85		
TSBW5.5-100-5	BMBW5.5-100-5			100		

TEK SCREWS

Standard Tek

Unwashed Hex Head Tek 3
For 1.2mm - 3.5mm Steel



TECHNICAL

✓ Evoshield Coating

Designed For: Fixing cladding and roofing applications to hot and cold rolled purlins/rails

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Coarse Thread (Tek 3)

Shank Material: Carbon steel

Material Grade: SAE C1022

Coating: 500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power

✓ Bi-metal

Designed For: Fastening in aluminium sheeting and panels

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Coarse Thread (tek 3)

Shank Material: Stainless steel

Material Grade: AISI 304/ EN 1.4301 (A2)



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



Standard Tek

Unwashed Hex Head Tek 3 For 1.2mm - 3.5mm Steel



Code	Size	Box	Carton	Evoshield Coating	Bi-metal
TSHW4.8-16-3	4.8 x 16mm	200	4,800	✓	
TSHW5.5-19-3	5.5 x 19mm	250	3,500	✓	
TSHW5.5-25-3	5.5 x 25mm	250	3,500	✓	
TSHW5.5-32-3	5.5 x 32mm	250	3,500	✓	
TSHW5.5-38-3	5.5 x 38mm	250	3,500	✓	
TSHW5.5-50-3	5.5 x 50mm	100	1,400	✓	
TSHW5.5-60-3	5.5 x 60mm	100	1,400	✓	
TSHW5.5-75-3	5.5 x 75mm	100	1,400	✓	
TSHW5.5-100-3	5.5 x 100mm	100	1,400	✓	
BMHH5.5-25-3	5.5 x 25mm	200	2,000		✓
BMHH5.5-38-3	5.5 x 38mm	200	2,000		✓
BMHH5.5-50-3	5.5 x 50mm	100	1,000		✓
BMHH5.5-65-3	5.5 x 65mm	100	1,000		✓
BMHH5.5-80-3	5.5 x 80mm	100	1,000		✓
BMHH5.5-100-3	5.5 x 100mm	100	1,000		✓

TSHW-3 / BMHH-3 Usability Data

Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)	
Carbon Steel	Stainless Steel						
TSHW4.8-16-3	N/A	None	4.8	16	Full	1.2 - 3.5	
TSHW5.5-19-3	N/A			19			
TSHW5.5-25-3	BMHH5.5-25-3			25			
TSHW5.5-32-3	N/A			32			
TSHW5.5-38-3	BMHH5.5-38-3			38			
TSHW5.5-50-3	BMHH5.5-50-3			50			
TSHW5.5-60-3	N/A			60			
N/A	BMHH5.5-65-3			65			
TSHW5.5-75-3	N/A			75			
N/A	BMHH5.5-80-3			80			
TSHW5.5-100-3	BMHH5.5-100-3			100			75

TEK SCREWS

Standard Tek

Unwashed Hex Head Tek 5
For 4mm - 12.5mm Steel



TECHNICAL

✓ Evoshield Coating

Designed For: Fixing cladding and roofing applications to hot and cold rolled purlins/rails

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Fine thread (Tek 5)

Shank Material: Carbon steel

Material Grade: SAE C1022

Coating: 500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power

✓ Bi-metal

Designed For: Fastening in aluminium sheeting and panels

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Fine thread (Tek 5)

Shank Material: Stainless steel

Material Grade: AISI 304/ EN 1.4301 (A2)



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



Standard Tek

Unwashed Hex Head Tek 5 For 4mm - 12.5mm Steel



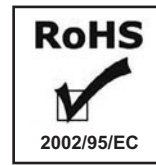
Code	Size	Box	Carton	Evoshield Coating	Bi-metal
TSHW5.5-32-5	5.5 x 32mm	100	2,400	✓	
TSHW5.5-38-5	5.5 x 38mm	100	2,400	✓	
TSHW5.5-50-5	5.5 x 50mm	100	1,400	✓	
TSHW5.5-75-5	5.5 x 75mm	100	1,400	✓	
TSHW5.5-100-5	5.5 x 100mm	100	1,400	✓	
BMHH5.5-38-5	5.5 x 38mm	200	2,000		✓
BMHH5.5-50-5	5.5 x 50mm	100	1,000		✓

TSHW-5 / BMHH-5 Usability Data

Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)
Carbon Steel	Stainless Steel					
TSHW5.5-32-5	N/A	None	5.5	32	Full	4.0 – 12.5
TSHW5.5-38-5	BMHH5.5-38-5			38		
TSHW5.5-50-5	BMHH5.5-50-5			50		
TSHW5.5-75-5	N/A			75		
TSHW5.5-100-5	N/A			100		

STANDARD TEK

A4 Grade Standard Tek



TECHNICAL ✓ **A4 grade Stainless Steel**

Evolution A4 Bi-Metal tek screws are designed for use in coastal and chlorinated atmospheres. Also where heavy industrial pollutants are present.

LIGHT SECTION

- Designed For:** Fastening various components to light section materials where the highest standards of corrosion resistance are required.
- Head Style:** Hex Head with washer
- Drive:** 5/16" Hex Head
- Washer:** 16mm Ø bonded EDPM A4 stainless (also offered without washer)
- Thread Form:** Coarse Thread (Tek 3)
- Shank material:** Stainless Steel
- Material Grade:** AISI 316/ EN 1.4401 (A4)



HEAVY SECTION

- Designed For:** Fastening various components to heavy section materials where the highest standards of corrosion resistance are required.
- Head Style:** Hex Head with washer
- Drive:** 5/16" Hex Head
- Washer:** 16mm Ø bonded EDPM A4 stainless
- Thread Form:** Fine thread (TEK 5)
- Shank material:** Stainless Steel
- Material Grade:** AISI 316/ EN 1.4401 (A4)



COMPOSITE PANEL

- Designed For:** Fastening cladding panels and brick tie channel to light section materials where the highest standard of corrosion resistance is required.
- Head Style:** Hex Head with washer
- Drive:** 5/16" Hex Head
- Washer:** 16mm Ø bonded EDPM A4 stainless or 19mm Ø bonded EDPM A4 stainless
- Thread Form:** Coarse Thread (Tek 3)
- Shank material:** Stainless Steel
- Material Grade:** AISI 316/ EN 1.4401 (A4)



A4 Grade Standard Tek

LIGHT SECTION

Code	Size	Box	Carton
A4BM25-3	5.5 x 25 mm	200	2,400
A4BM38-3	5.5 x 38 mm	200	2,400
A4BM50-3	5.5 x 50 mm	100	2,400
A4BM75-3	5.5 x 75 mm	100	2,400
A4BMHH5.5-25-3	5.5 x 25mm	200	2,400
A4BMHH5.5-32-3	5.5 x 32mm	200	2,400
A4BMHH5.5-38-3	5.5 x 38mm	200	2,400
A4BMHH5.5-50-3	5.5 x 50mm	100	2,400



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 316/ EN 1.4401 (A4)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

HEAVY SECTION

Code	Size	Box	Carton
A4BM38-5	5.5 x 38 mm	200	2,400



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 316/ EN 1.4401 (A4)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

COMPOSITE PANEL

Code	Size	Box	Carton	Washer size
A4BMHT105-3	5.5 x 105 mm	100	1,000	16mm
A4BMHT135-3	5.5 x 135 mm	100	1,000	16mm
A4BMHT150-3	5.5 x 150 mm	100	1,000	19mm
A4BMHT185-3	5.5 x 185 mm	50	1,000	19mm



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 316/ EN 1.4401 (A4)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

TEK SCREWS

Super Tek

Hex Head Tek 6 / 7



TECHNICAL



Unwashed Hex Head Tek 7



Designed For:	Fixing steel to steel
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Thread Form:	24 threads per inch fine thread, 'V' fluted
Drill Point:	Tek 7 spiral point
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	1000Hr EvoShield®
Recommended Drill Speed:	1,500 - 2,500 RPM
Steel Thickness:	4.0mm - 18.0mm

✓ **Evoshield Coating**

Washed Hex Head Tek 7



All of the above PLUS:

Washer: 16mm Ø bonded EPDM

Super Tek

✓ Evoshield Coating

Hex Head Tek 7

Unwashed Hex Head Tek 7

- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Unique spiral tip ensures superior pilot drilling
- ✓ Aggressive thread form design ensures consistent tapping and superb holding power

Washed Hex Head Tek 6 / 7

- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head with bonded washer
- ✓ Unique spiral tip ensures superior pilot drilling
- ✓ Bonded steel washer can act as isolation between substrate and fixture, and as a weatherseal

Code	Size	Box	Carton	Unwashed Head	Washed Head
TSBW5.5-38-6	5.5 x 38mm	200	2,000		✓
TSBW5.5-50-7	5.5 x 50mm	100	1,400		✓
TSHW5.5-50-7	5.5 x 50mm	100	1,400	✓	
TSHW5.5-75-7	5.5 x 75mm	100	1,400	✓	
TSHW5.5-100-7	5.5 x 100mm	100	1,400	✓	

TSHW-7 / TSBW-7 Usability Data

Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)
No Washer	With Washer					
N/A	TSBW5.5-38-6	N/A	5.5	38	FULL	4.0 – 18.0
TSHW5.5-50-7	TSBW5.5-50-7	16		50		
TSHW5.5-75-7	N/A	N/A		75		
TSHW5.5-100-7	N/A	N/A		100	50	

TEK SCREWS

Super Tek

Hex Head Tek 8



TECHNICAL



Unwashed Hex Head Tek 8



Designed For:	Fixing steel to steel
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Thread Form:	14 threads per inch intermediate thread, 'V' fluted
Drill Point:	Tek 8 spiral point
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	1000Hr EvoShield®
Recommended Drill Speed:	1,500 - 2,500 RPM
Steel Thickness:	4.0mm - 22.0mm
Effective Thread Length:	32mm

Unwashed Hex Head Tek 8

- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Unique spiral tip ensures superior pilot drilling
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power

Code	Size	Box	Carton
TSHW6.3-60-8	6.3 x 60mm	100	1,000
TSHW6.3-100-8	6.3 x 100mm	100	1,000

TSHW-8 Usability Data					
Part Number	Washer Dia. (mm)	Nominal Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Drilling Capacity (mm)
TSHW6.3-60-8	None	6.3	60.0	FULL	4.0 – 22.0
TSHW6.3-100-8			100.0	50.0	

Q10 Supertek

Hex Head Tek 10



TECHNICAL



Designed For:	Fixing steel to steel
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Thread Form:	14 threads per inch intermediate thread, 'V' fluted
Drill Point:	Tek 10 spiral point
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	1000Hr EvoShield®
Recommended Drill Speed:	1,500 - 2,500 RPM
Steel Thickness:	4.0mm – 35.0mm

- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Unique spiral tip ensures superior pilot drilling
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power

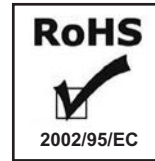
Code	Size	Box	Carton
TSHW6.3-135-10	6.3 x 135mm	100	1,000

SuperTEK (Usability Data)					
Part Number	Washer Dia. (mm)	Nominal Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Drilling Capacity (mm)
TSHW6.3-135-10	None	6.3	135.0	65.0	4.0 – 35.0

TEK SCREWS

Super Wing Drill

Countersunk Tek 7
For 4mm - 18.5mm Steel



2008 = 01DW-01/14

TECHNICAL

Countersunk Head Tek 7



Designed For:

When timber is being fastened to thicker steel section or where extremely hard steels defeat normal tek screws

Head Style:

Double Countersunk

Drive:

Torx® 30

Thread Form:

24 threads per inch fine thread, 'V' fluted

Drill Point:

Tek 7 spiral point

Shank Material:

Carbon steel

Material Grade:

SAE C1022

Coating:

1000Hr EvoShield®

Recommended Drill Speed:

1,500 - 2,500 RPM

Steel Thickness:

4.0mm - 18mm

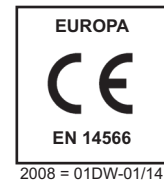


SUPER WING DRILL - HEAVY SECTION



Super Wing Drill

Countersunk Tek 7
For 4mm - 18.5mm Steel



Code	Size	Box	Carton	Evoshield Coating
TSTF5.5-73-7	5.5 x 73mm	100	1,400	✓
TSTF5.5-93-7	5.5 x 93mm	100	1,400	✓
TSTF5.5-118-7	5.5 x 118mm	100	1,400	✓

SuperTek TimberTek (Usability Data)					
Part Number	Washer Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Timber Capacity (mm)	Drilling Capacity (mm)
TSTF5.5-73-7	5.5	73.0	FULL	6.0 – 38	Min = 4.0
TSTF5.5-93-7		93.0	50.0	38.0 – 58.0	
TSTF5.5-118-7		118.0	50.0	58.0 – 83.0	Max = 18.0

✓ Evoshield Coating



Stitching Screws



TECHNICAL



✓ Evoshield Coating

Designed For:	Stitching cladding panels
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®
Recommended Drill Speed	1,500 - 2,500 RPM



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design gives a sure clamping action
- ✓ High grade carbon steel (C1022) helps prevent head snap
- ✓ Silver Evoshield® coating with 500hr salt spray rating

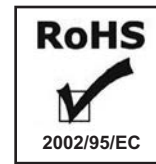
✓ Bi-metal

- ✓ High carbon high performance drill point ensures superior drilling characteristics giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



2008 = 01DW-01/14

Stitching Screws



Code	Size	Box	Carton	Evoshield Coating	Bi-metal
TSFHR6.3-22-2	6.3 x 22mm	200	4,800	✓	
TSNS6.3-22-2*	6.3 x 22 mm	200	4,800	✓	
TSFHR8.0-25-1	8.0 x 25mm	100	2,400	✓	
BMTSFHR6.3-22-2	6.3 x 22mm	200	4,800		✓
BMTSHF6.3-38-2	6.3 x 38mm	200	4,800		✓

* No washer

TSFHR (Usability Data)					
Part Number	Washer Dia. (mm)	Nominal Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Drilling Capacity (mm)
BMTSFHR6.3-22-2	16.0	6.3	22.0	FULL	Min = 0.5 Max = 2.5
BMTSHF6.3-38-2			38.0		
TSN6.3-22-2	None		22.0		
TSFHR6.3-22-2	16.0		25.0		
TSFHR8.0-25-1		8.0	25.0		

✓ Evoshield Coating

✓ Bi-metal

Metal Framing



TECHNICAL

✓ Evoshield Coating

Designed For:	Fixing steel to steel
Head Style:	Low Profile
Drive:	Phillips 3
Thread Form:	Coarse thread (Tek 3) / fine thread (Tek 5)
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®

- ✓ High grade carbon steel
- ✓ Super hard and sharp drill tips ensure fast drill times
- ✓ Superior corrosion protection to guarantee long-term fastener integrity
- ✓ Fully threaded for application versatility

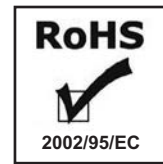
✓ Bi-metal

Designed For:	when stainless steel product is required e.g. in aluminium sheeting and sections
Head style:	Low Profile
Drive:	Phillips 2
Thread Form:	Coarse (Tek 3) / fine thread (Tek 5)
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2)
Coating:	500Hr EvoShield®

- ✓ High carbon high performance drill point ensures superior drilling characteristics giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity



Metal Framing



2002/95/EC

1.2mm - 3.5mm Steel Thickness



Code	Size	Box	Carton	Evoshield Coating	Bi-metal	Zinc
TSLP4.8-22-2	4.8 x 22mm	500	6,000	✓		
TSLP5.5-38-5	5.5 x 38mm	200	4,800	✓		
TSPH4.8-16-3	4.8 x 16mm	500	12,000	✓		
TSPH5.5-19-3	5.5 x 19mm	500	7,000	✓		
TSPH5.5-25-3	5.5 x 25mm	200	4,800	✓		
BMTSPH5.5-25-3	5.5 x 25mm	200	4,800		✓	
ZPH5.5-19-3	5.5 x 19mm	500	9,000			✓

TSLP/ TSPH (Usability Data)					
Part Number	Washer Dia. (mm)	Nominal Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Drilling Capacity (mm)
TSLP4.8-22-2	None	4.8	22.0	FULL	Min = 1.2 Max = 3.5
TSLP5.5-38-5		5.5	38.0		Min = 4.0 Max = 12.0
TSPH4.8-16-3		4.8	16.0		Min = 1.2 Max = 4.0
TSPH5.5-19-3		5.5	19.0		
TSPH5.5-25-3			25.0		
BMTSPH5.5-25-3		25.0			

✓ Evoshield Coating

✓ Bi-metal

Hex-Head (Washed) Stitching Screws

TECHNICAL

✓ Carbon Steel (Evoshield Coating)

Designed For:	Fixing halter brackets, shear studding and components to light gauge steel substrates
Head style and Drive Type:	5/16" Hexagonal male socket
Washer Type:	16mm ØD Vulcanised EPDM with Galvanised aluminium compression disc
Thread Form:	Coarse thread (Pitch = 1.8mm (approx.))
Material and Grade:	SAE C1022 Carbon Steel – Drilling point, shank and head
Coating:	500Hr EvoShield®

✓ Bi-metal (A2 Stainless Steel)

Designed For:	As per carbon steel but where dissimilar metals are being used or superior corrosion resistance is required
Head style and Drive Type:	5/16" Hexagonal male socket
Washer Type:	16mm ØD Vulcanised EPDM with aluminium compression disc
Thread Form:	Coarse thread (Pitch = 1.8mm (approx.))
Material and Grade:	SAE C1022 Carbon Steel – Drilling point AISI 304/ EN 1.4301 (A2) Stainless Steel – shank and head
Coating:	5µm electroplated Zinc

Hex-Head (Washed) Stitching Screws

Code	Size	Box	Carton
TSHF6.3-38-2	6.3 x 38mm	100	2,400
TSHF6.3-50-2	6.3 x 50mm	100	2,400

✓ Carbon Steel (Evoshield Coating)

- ✓ Reduced diameter drilling point ensures highest possible withdrawal resistance in thin gauge steel substrates
- ✓ Super hard (>55 HRC), super sharp drilling points ensure fastest possible drilling times and reduce “walking” of point on substrate surface
- ✓ Sharp tapping threads ensure lower torque requirements and mitigate against user wrist fatigue

✓ Bi-metal (A2 Stainless Steel)

- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time,
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head,
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity.

TSHF-2/ BMTSHF-2 Usability Data						
Part Number		Washer Dia. (mm)	Nom. Dia. (mm)	Nom. Lgth. (mm)	Thread Lgth. (mm)	Drill Cap. (mm)
Carbon Steel	Stainless Steel					
TSHF6.3-38-2	BMTSHF6.3-38-2	16	6.3	38	FULL	0.8 – 2.5
TSHF6.3-50-2	N/A			50		

TEK SCREWS

Composite Panel



TECHNICAL

✓ Evoshield Coating

Designed For: Fixing cladding and roofing applications to hot and cold rolled purlins/rails Fastening liner panels and general components to steel

Head Style: Hexagonal

Drive: 5/16" hexagonal

Washer: 16mm Ø bonded EPDM
or

19mm Ø bonded EPDM

Thread Form: Coarse thread (Tek 3)

Shank Material: Carbon steel

Material Grade: SAE C1022

Coating: 500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times and eliminates 'walking'
- ✓ Unthreaded piece ensures panel surfaces are not deformed
- ✓ Sharp tapping threads ensure a low torque fixing every time



Composite Panel

1.2mm - 3.5mm Steel Thickness



Code	Size	Box	Carton	Material	Washer Size
TSBWHT5.5-80-3	5.5 x 80mm	100	1,400	Carbon Steel - Evoshield	16mm
TSBWHT5.5-105-3	5.5 x 105mm	100	1,200	Carbon Steel - Evoshield	16mm
TSBWHT5.5-135-3	5.5 x 135mm	100	900	Carbon Steel - Evoshield	16mm
TSBWHT5.5-150-3	5.5 x 150mm	100	900	Carbon Steel - Evoshield	16mm
TSBWHT19-5.5-80-3	5.5 x 80mm	100	900	Carbon Steel - Evoshield	19mm
TSBWHT19-5.5-105-3	5.5 x 105mm	100	900	Carbon Steel - Evoshield	19mm
TSBWHT19-5.5-135-3	5.5 x 135mm	100	600	Carbon Steel - Evoshield	19mm
TSBWHT19-5.5-150-3	5.5 x 150mm	100	600	Carbon Steel - Evoshield	19mm
TSBWHT19-5.5-185-3	5.5 x 185mm	50	450	Carbon Steel - Evoshield	19mm
TSBWHT19-5.5-225-3	5.5 x 225mm	50	300	Carbon Steel - Evoshield	19mm

TSBWHT (TEK Screw: Composite Panel Fastener) Usability Data							
TSBWHT-3/ BMTSBWHT-3 – TEK 3 – Light gauge steel applications							
Product Code	Nominal Diameter (mm)	Nominal Length (mm)	Threaded Length (mm)	Insulation Capacity (mm)	Drilling Capacity (mm)	Washer Diameter (mm)	
TSBWHT5.5-80-3	5.5	80.0	70.0	40.0 – 65.0	Min = 1.2	16.0/ 19.0	
TSBWHT5.5-105-3		105.0	75.0	55.0 – 85.0		Max = 3.5	16.0/ 19.0
TSBWHT5.5-135-3		135.0		70.0 – 110.0			16.0/ 19.0
TSBWHT5.5-150-3		150.0	75.0	90.0 – 125.0	Max = 3.5		16.0/ 19.0
TSBWHT19-5.5-185-3		185.0		120.0 – 160.0		19.0	
TSBWHT19-5.5-225-3		225.0		160.0 – 200.0		19.0	

NOTE:

Nominal lengths highlighted in RED are available in both carbon steel (TSBWHT) and stainless steel (BMTSBWHT).

✓ **Evoshield Coating**

A2 Composite Panel



TECHNICAL

✓ Bi-metal

Designed For:	Fastening in aluminium sheeting and panels
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM
Thread Form:	Coarse thread
Dril Point:	Tek 3
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2) or AISI 316/ EN 1.4401 (A4)
Coating:	Electroplated zinc



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2) or AISI 316/ EN 1.4401 (A4)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

A2 Composite Panel

1.2mm - 3.5mm Steel Thickness



Code	Size	Box	Carton	Material	Washer Size
BMTSBWHT5.5-80-3	5.5 x 80mm	100	1,000	Bi-metal A2	16mm
BMTSBWHT5.5-105-3	5.5 x 105mm	100	1,000	Bi-metal A2	16mm
BMTSBWHT5.5-135-3	5.5 x 135mm	100	1,000	Bi-metal A2	16mm
BMTSBWHT5.5-150-3	5.5 x 150mm	100	1,000	Bi-metal A2	16mm
BMTSBWHT5.5-185-3	5.5 x 185mm	50	1,000	Bi-metal A2	19mm
BMTSBWHT5.5-235-3	5.5 x 235mm	50	1,000	Bi-metal A2	19mm
A4BMHT105-3	5.5 x 105mm	100	1,000	Bi-metal A4	16mm
A4BMHT135-3	5.5 x 135mm	100	1,000	Bi-metal A4	16mm
A4BMHT150-3	5.5 x 150mm	100	1,000	Bi-metal A4	16mm
A4BMHT185-3	5.5 x 185mm	100	1,000	Bi-metal A4	16mm

✓ Bi-metal

TEK SCREWS

Heavy Section Composite Panel



TECHNICAL



✓ Evoshield Coating



- Designed For:** Fixing cladding and roofing applications to hot and cold rolled purlins/rails Fastening liner panels and general components to heavy steel
- Head Style:** Hexagonal
- Drive:** 5/16" hexagonal
- Washer:** 16mm Ø bonded EPDM or 19mm Ø bonded EPDM
- Thread Form:** Fine thread (Tek 5)
- Shank Material:** Carbon steel
- Material Grade:** SAE C1022
- Coating:** 500Hr EvoShield®



- ✓ Super hard, super sharp drill tips ensure fast drill times and eliminates 'walking'
- ✓ Unthreaded piece ensures panel surfaces are not deformed
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Sharp tapping threads ensure a low torque fixing every time

Heavy Section Composite Panel

4 - 12.5mm Steel Thickness



Code	Size	Box	Carton	Evoshield Coating	Washer Size
TSBWHT5.5-85-5	5.5 x 85mm	100	1,400	✓	16mm
TSBWHT5.5-105-5	5.5 x 105mm	100	1,200	✓	16mm
TSBWHT5.5-125-5	5.5 x 125mm	100	900	✓	16mm
TSBWHT5.5-150-5	5.5 x 150mm	100	900	✓	16mm
TSBWHT19-5.5-185-5	5.5 x 185mm	50	450	✓	19mm
TSBWHT19-5.5-235-5	5.5 x 235mm	50	300	✓	19mm

TSBWHT (TEK Screw: Composite Panel Fastener) Usability Data						
TSBWHT-5/ BMTSBWHT-5 – TEK 5 – Heavy gauge steel applications						
Product Code	Nominal Diameter (mm)	Nominal Length (mm)	Threaded Length (mm)	Insulation Capacity (mm)	Drilling Capacity (mm)	Washer Diameter (mm)
TSBWHT5.5-85-5	5.5	85.0	75.0	35.0 – 50.0	4.0 – 12.5	16.0
TSBWHT5.5-105-5		105.0		50.0 – 70.0		
TSBWHT5.5-125-5		125.0		70.0 – 90.0		
TSBWHT5.5-150-5		150.0		80.0 – 115.0		
TSBWHT19-5.5-185-5		185.0		120.0 – 150.0		19.0
TSBWHT19-5.5-235-5		235.0		170.0 – 200.0		

✓ Evoshield Coating

TEK SCREWS

A2 Heavy Section Bi-Metal Composite Panel Fasteners



TECHNICAL



✓ Bi-metal

Designed For:	Fastening composite panels to heavy steel section
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	16mm Ø bonded EPDM or 19mm Ø bonded EPDM
Thread Form:	Fine Thread / Coarse Buttress End Thread
Drill Point:	Tek 5
Shank Material:	Stainless Steel
Material Grade:	AISI 304/ EN 1.4301 (A2)
Coating:	Electroplated Zinc

- ✓ Carbon steel, high performance drill point ensures superior drilling characteristics giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

A2 Bi-Metal Composite Panel Fasteners

4 - 12.5mm Steel Thickness



Code	Size	Box	Carton	Washer Size
BMTSBWHT5.5-105-5	5.5 x 105mm	100	1,000	16mm
BMTSBWHT5.5-125-5	5.5 x 125mm	100	1,000	16mm
BMTSBWHT5.5-150-5	5.5 x 150mm	100	1,000	19mm
BMTSBWHT5.5-185-5	5.5 x 185mm	50	500	19mm

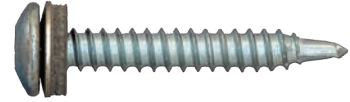
Bi-Metal (A2) Composite Panel Fasteners – TEK 5 (Useability Data)						
Product Code	Washer Diameter (mm)	Nominal Diameter (mm)	Nominal Length (mm)	Thread Length (mm)	Drilling Capacity (mm)	Insulation Capacity (mm)
BMTSBWHT5.5-105-5	16.0	5.5	105.0	75.0	4.0 – 12.5	50.0 – 70.0
BMTSBWHT5.5-125-5			125.0			70.0 – 90.0
BMTSBWHT5.5-150-5	19.0		150.0			80.0 – 115.0
BMTSBWHT5.5-185-5			185.0			120.0 – 150.0

A2 HEAVY SECTION BI-METAL COMPOSITE PANEL FASTENERS

TEK SCREWS

Dome-Head (Washed) Stitching Screws

TECHNICAL



✓ Bi-Metal (A2 Stainless Steel)

Designed For:	Fixing components, brackets and misc. hardware to light gauge steel substrates; where a low profile or anti-snag head is required. Also suitable where dissimilar metals are being used or superior corrosion resistance is required
Head style and Drive Type:	12mm ØD low profile (3.18mm) domed head with Torx® 25 female drive recess
Washer Type:	12mm ØD Vulcanised EPDM with Stainless steel (AISI 304/ EN 1.4301 (A2)) compression disc
Thread Form:	Coarse thread (Pitch = 1.8mm (approx.))
Material and Grade:	SAE C1022 Carbon Steel – Drilling point, AISI 304/ EN 1.4301 (A2) Stainless Steel – shank and head
Coating:	5µm electroplated Zinc

- ✓ Reduced diameter drilling point ensures highest possible withdrawal resistance in thin gauge steel substrates
- ✓ Super hard (>55 HRC), super sharp drilling points ensure fastest possible drilling times and reduce “walking” of point on substrate surface
- ✓ Sharp tapping threads ensure lower torque requirements and mitigate against user wrist fatigue
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

Dome-Head (Washed) Stitching Screws



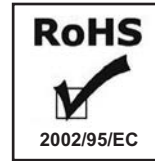
Code	Size	Box	Carton
BMDH5.5-25-3	5.5 x 25mm	200	2,000
BMDH5.5-38-3	5.5 x 38mm	200	2,000
BMDH5.5-60-3	5.5 x 60mm	100	2,000

TSHF-2/ BMTSHF-2 Usability Data					
Product Code	Washer Diameter (mm)	Nominal Diameter (mm)	Nominal Length (mm)	Thread Length (mm)	Drilling Capacity (mm)
BMDH5.5-25-3	12.0	5.5	25.0	FULL	0.8 - 2.5
BMDH5.5-38-3			38.0		
BMDH5.5-60-3			60.0		

TEK SCREWS

Timber Tek

For 1.2mm - 3.5mm Steel



TECHNICAL

✓ Evoshield Coating

Designed For:	Fixing timber or composites to steel
Head Style:	Countersunk or countersunk with nibs
Drive:	Phillips® No. 2 or No. 3
Thread Form:	Coarse thread (Tek 3)
Shank Material:	Carbon steel
Material Grade:	AE C1022
Coating:	500Hr EvoShield®

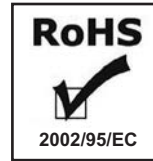


- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Countersinking nibs under head provide flush finish
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power



Timber Tek

For 1.2mm - 3.5mm Steel



Code	Size	Box	Carton	Drive Type
TSTF4.2-38-3	4.2 x 38mm	200	4,800	Phillips No. 2
TSTF4.8-45-3	4.8 x 45mm	100	2,400	Phillips No. 2
TSTF5.5-50-3	5.5 x 50mm	200	2,800	Phillips No. 3
TSTF5.5-62-3	5.5 x 62mm	200	2,800	Phillips No. 3
TSTF5.5-80-3	5.5 x 80mm	100	1,400	Phillips No. 3
TSTF5.5-100-3	5.5 x 100mm	100	1,400	Phillips No. 3
TSTF5.5-120-3	5.5 x 120mm	100	1,400	Phillips No. 3
TSTF5.5-150-3	5.5 x 150mm	100	1,200	Phillips No. 3
TSTF5.5-180-3	5.5 x 180mm	100	1,200	Phillips No. 3

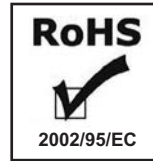
TSTF-3 (Usability Data)					
Part Number	Nominal Diameter (mm)	Nominal Length (mm)	Threaded Length (mm)	Timber Capacity (mm)	Drilling Capacity (mm)
TSTF4.2-38-3	4.2	38.0	FULL	6.0 – 22.0	Min = 1.2 Max = 3.5
TSTF4.8-45-3	4.8	45.0		10.0 – 27.0	
TSTF5.5-50-3	5.5	50.0		13.0 – 30.0	
TSTF5.5-62-3		62.0		13.0 – 40.0	
TSTF5.5-80-3		80.0	25.0 – 60.0		
TSTF5.5-100-3		100.0	45.0 – 80.0		
TSTF5.5-120-3		120.0	55.0	65.0 – 100.0	
TSTF5.5-150-3		150.0		95.0 – 125.0	
TSTF5.5-180-3		180.0		125.0 – 150.0	

✓ Evoshield Coating

TEK SCREWS

Bi-metal Timber Tek

For 1.2mm - 3.5mm Steel



TECHNICAL

✓ Bi-metal

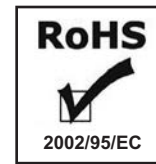


Designed For:	Fastening when stainless steel product is required, e.g. in aluminium sheeting and panels
Head Style:	Countersunk
Drive:	Phillips No. 2, Phillips No. 3 or Torx® 25
Thread Form:	Coarse thread (Tek 3)
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2) or AISI 316/ EN 1.4401 (A4)
Recommended Drill speed:	1,500 - 2,500 RPM

- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have welded, hardened carbon steel drill point married to a 304/Euro A2 grade stainless steel shank
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

Bi-metal Timber Tek

For 1.2mm - 3.5mm Steel



Code	Size	Box	Carton	Bi-metal
BMWD4.8-38-3	4.8 x 38mm	200	4,800	✓
BMWD5.5-50-3	5.5 x 50mm	100	1,000	✓
BMWD5.5-62-3	5.5 x 62mm	100	1,000	✓
BMWD5.5-80-3	5.5 x 80mm	100	1,400	✓
BMWD5.5-100-3	5.5 x 100mm	100	1,000	✓
A4WD4.8-38-3	4.8 x 33mm	200	4,800	✓

✓ Bi-metal

TEK SCREWS

Timber Tek

For 4mm - 12.5mm Steel



TECHNICAL

✓ Evoshield Coating

Designed For:	Fixing timber or composites to steel
Head Style:	Countersunk
Drive:	Phillips 3
Thread Form:	Fine thread (Tek 5)
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®

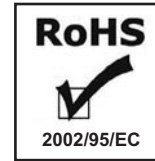


- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Countersinking nibs under head provide flush finish
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power



Timber Tek

For 4mm - 12.5mm Steel



Code	Size	Box	Carton	Evoshield Coating
TSTF5.5-42-5	5.5 x 42mm	100	2,400	✓
TSTF5.5-65-5	5.5 x 65mm	200	2,800	✓
TSTF5.5-85-5	5.5 x 85mm	100	1,400	✓
TSTF5.5-100-5	5.5 x 100mm	100	1,400	✓
TSTF5.5-110-5	5.5 x 110mm	100	1,400	✓
TSTF5.5-135-5	5.5 x 135mm	100	1,200	✓
TSTF5.5-150-5	5.5 x 150 mm	100	1,200	✓
TSTF5.5-180-5	5.5 x 180 mm	100	1,200	✓
TSTF6.3-60-4	6.3 x 60mm	100	1,200	✓
TSTF6.3-85-4	6.3 x 85mm	100	1,200	✓

TSTF-5 (Usability Data)					
Part Number	Nominal Diameter (mm)	Nominal Length (mm)	Threaded Length (mm)	Timber Capacity (mm)	Drilling Capacity (mm)
TSTF6.3-60-4	6.3	60.0	FULL	6.0 – 40.0	Min = 2.5 Max = 6.0
TSTF6.3-85-4		85.0	55.0	10.0 – 60.0	
TSTF5.5-42-5	5.5	42.0	FULL	10.0 – 13.0	Min = 4.0 Max = 12.5
TSTF5.5-65-5		65.0		10.0 – 28.0	
TSTF5.5-85-5		85.0	55.0	30.0 – 50.0	
TSTF5.5-100-5		100.0		45.0 – 65.0	
TSTF5.5-110-5		110.0		55.0 – 85.0	
TSTF5.5-135-5		135.0		80.0 – 100.0	
TSTF5.5-150-5		150.0		95.0 – 125.0	
TSTF5.5-180-5		180.0		125.0 – 150.0	

✓ Evoshield Coating

TEK SCREWS

Bi-metal Timber Tek

For 4mm - 12.5mm Steel



TECHNICAL

✓ Bi-metal

Designed For:	Fastening when stainless steel product is required,
Head Style:	Countersunk
Drive:	Phillips 3
Thread Form:	Fine thread (Tek 5)
Shank Material:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2)
Recommended Drill speed:	1,500 - 2,500 RPM



- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 304/ EN 1.4301 (A2)) body and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity

Bi-metal Timber Tek

For 4mm - 12.5mm Steel



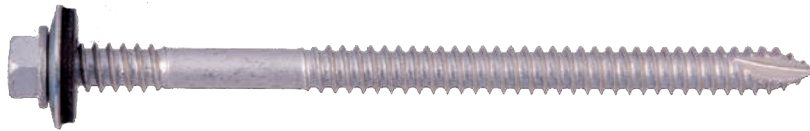
Code	Size	Box	Carton	Bi-metal
BMWD5.5-65-5	5.5 x 65mm	100	1,000	✓
BMWD5.5-85-5	5.5 x 85mm	100	1,000	✓
BMWD5.5-110-5	5.5 x 110mm	100	1,000	✓
BMWD5.5-135-5	5.5 x 135mm	100	1,000	✓

✓ Bi-metal

TEK SCREWS

Composite Panel for Timber

TECHNICAL

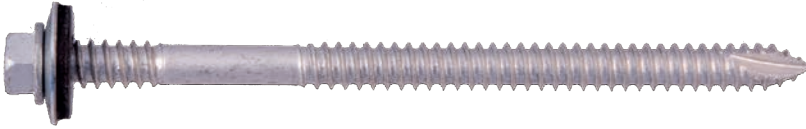


Designed For:	Fixing cladding and profiled sheeting to timber purlins and studs
Head Style:	Hexagonal
Drive:	5/16" Hex Head
Washer:	16mm Bonded EPDM
Thread Form:	Coarse (Type 17 cutter tip)
Shank Material:	Carbon steel
Material Grade:	SAE C1022
Coating:	500Hr EvoShield®

- ✓ Type 17 Cutter Point ensures fast advancement in timber and ply
- ✓ Aggressive Threadform: Improves penetration and reduces required drive torque
- ✓ Unthreaded piece ensure panels are not deformed



Composite Panel for Timber



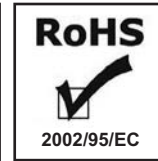
Code	Size	Box	Carton	Evoshield Coating
TSBWHT6.3-80-GP	6.3 x 80mm	100	1,400	✓
TSBWHT6.3-100-GP	6.3 x 100mm	100	1,200	✓
TSBWHT6.3-125-GP	6.3 x 125mm	100	1,200	✓
TSBWHT6.3-150-GP	6.3 x 150mm	100	900	✓

✓ Evoshield Coating



TEK SCREWS

Miscellaneous Hex Head



TECHNICAL

✓ Evoshield Coating



Designed For:	Fixing fibrous cement sheets to timber
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Washer:	BAZ type
Thread Form:	Single
Material Grade:	AISI C1022
Drill Point:	Type 17
Effective Thread Length:	Fully threaded
Coating:	500hr Silver Evoshield®



✓ Zinc Coating



Designed For:	Fixing timber batons, trunking, track and general components into concrete and masonry substrates. Also for fixing metal sheets to timber purlins
Head Style:	Hexagonal
Drive:	5/16" hexagonal
Thread Form:	Single
Drill Point:	Type 17
Material Grade:	Zinc

Miscellaneous Hex Head



- ✓ Replaces hook bolts and drive screws
- ✓ Wings on shank will ream a clearance hole in the sheets
- ✓ Sharp tapping threads ensure a low torque fixing every time

- ✓ Fully threaded for application versatility
- ✓ Available with 16mm or 19mm bonded EPDM washer
- ✓ The gash point makes the initial penetration of the metal sheet easier
- ✓ Sharp tapping threads ensure a low torque, sure fixing every time

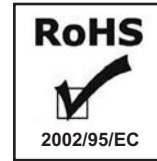
- ✓ Type 17 cutter point for fast advancement through timber and penetration of thin steel sections
- ✓ Cutter point reduces torque and helps stop timber splitting
- ✓ Hexagonal head for positive, stable driving characteristics

Code	Size	Box	Bag	Carton	Evoshield Coating	Zinc Coating	Washer Size
SSDH6.3-130-GP	6.3 x 130mm	100	-	600	✓		BAZ type
TSBW6.3-25-GP	6.3 x 25mm	200	-	2,800		✓	16mm bonded EDPM
TSBW6.3-32-GP	6.3 x 32mm	200	-	2,800		✓	16mm bonded EDPM
TSBW6.3-45-GP	6.3 x 45mm	200	-	2,400		✓	16mm bonded EDPM
TSBW6.3-60-GP	6.3 x 60mm	100	-	1,400		✓	16mm bonded EDPM
TSBW6.3-80-GP	6.3 x 80mm	100	-	1,400		✓	16mm bonded EDPM
TSBW6.3-100-GP	6.3 x 100mm	100	-	1,200		✓	16mm bonded EDPM
ZGP25	6.3 x 25mm	-	200	2,000		✓	16mm bonded EDPM
ZGP32	6.3 x 32mm	-	200	2,000		✓	16mm bonded EDPM
ZGP45	6.3 x 45mm	-	200	1,200		✓	16mm bonded EDPM
ZGP60	6.3 x 60mm	-	100	900		✓	16mm bonded EDPM
ZGP80	6.3 x 80mm	-	100	600		✓	16mm bonded EDPM
ZGP100	6.3 x 100mm	-	100	600		✓	16mm bonded EDPM
TSBW19-6.3-32GP	6.3 x 32mm	200	-	2,400		✓	19mm bonded EDPM
TSBW19-6.3-45GP	6.3 x 45mm	200	-	1,800		✓	19mm bonded EDPM

ECONOMY TEK SCREWS

Standard Tek Zinc

Bonded Hex Washer Head Tek 3 / Tek 5



✓ Zinc Coating

Designed For: Fastening where a high end corrosion resistant coating is not required

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Coarse thread (Tek 3) / fine thread (Tek 5)

Material Grade: AISI C1022



- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head with bonded washer
- ✓ Precision formed concave fluting ensures speedy chip removal
- ✓ Bonded steel washer can act as isolation between substrate and fixture, as an aid to clamping where fixture clearance holes require, and as a weatherseal

Code	Size	Steel Thickness	Bag/Box	Carton	Zinc Coating
BWZP25-3	5.5 x 25mm	1.2 - 3.5 mm	200	2,800	✓
BWZP32-3	5.5 x 32mm	1.2 - 3.5 mm	200	2,800	✓
BWZP38-3	5.5 x 38mm	1.2 - 3.5 mm	200	2,800	✓
BWZP50-3	5.5 x 50mm	1.2 - 3.5 mm	100	1,400	✓
BWZP75-3	5.5 x 75mm	1.2 - 3.5 mm	100	1,400	✓
BWZP38-5	5.5 x 38mm	4 - 12.5 mm	200	2,400	✓
BWZP50-5	5.5 x 50mm	4 - 12.5 mm	100	1,400	✓

ECONOMY TEK SCREWS

Standard Tek Zinc

Unwashed Hex Head Tek 3 / Tek 5



✓ Zinc Coating

Designed For: Fastening where a high end corrosion resistant coating is not required

Head Style: Hexagonal

Drive: 5/16" hexagonal

Thread Form: Coarse thread (Tek 3) / fine thread (Tek 5)

Material Grade: AISI C1022



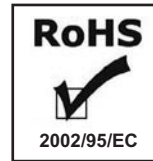
- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Hex flange head design provides sure clamping action
- ✓ Precision formed concave fluting gives speedy chip removal
- ✓ Aggressive thread form design guarantees consistent tapping and superb holding power

Code	Size	Steel Thickness	Bag/Box	Carton	Zinc Coating
HWZP19-3	5.5 x 19mm	1.2 - 3.5 mm	200	2,800	✓
HWZP25-3	5.5 x 25mm	1.2 - 3.5 mm	200	2,800	✓
HWZP32-3	5.5 x 32mm	1.2 - 3.5 mm	200	2,800	✓
HWZP38-3	5.5 x 38mm	1.2 - 3.5 mm	200	2,800	✓
HWZP50-3	5.5 x 50mm	1.2 - 3.5 mm	100	1,400	✓
HWZP75-3	5.5 x 75mm	1.2 - 3.5 mm	100	1,400	✓
HWZP38-5	5.5 x 38mm	4 - 12.5 mm	200	2,400	✓
HWZP50-5	5.5 x 50mm	4 - 12.5 mm	100	1,400	✓

ECONOMY TEK SCREWS

Timber Tek Zinc

✓ Zinc Coating



Designed For:	Fixing timber or composites to steel where a high end corrosion resistant coating is not required
Head Style:	Countersunk or countersunk with nibs*
Drive:	Phillips 2/3
Thread Form:	Twin, coarse thread (Tek 3) / fine thread (Tek 5)
Material Grade:	AISI C1022
Shank Material:	Carbon steel
Drilling Capacity:	1.2mm - 3.5mm (Tek 3) / 4.0mm - 12.00mm (Tek 5)
Recommended Drill Speed:	1,500 - 2,500 RPM

- ✓ Super hard, super sharp drill tips ensure fast drill times
- ✓ Countersinking nibs under head provide flush finish in fixture
- ✓ Precision formed concave fluting ensures speedy chip removal
- ✓ Aggressive thread form design ensures consistent tapping and superb holding

Code	Size	Steel Thickness	Bag	Carton	Zinc Coating
ZWDP32-3	4.2 x 32mm	1.2 - 3.5 mm	200	4,800	✓
ZWDP38-3	4.2 x 38mm	1.2 - 3.5 mm	200	4,800	✓
ZWDP4838-3	4.8 x 38mm	1.2 - 3.5 mm	200	2,800	✓
ZWDP50-3	4.8 x 50mm	1.2 - 3.5 mm	200	2,800	✓
ZWDP62-3	5.5 x 62mm	1.2 - 3.5 mm	200	2,800	✓
ZWDP80-3	5.5 x 80mm	1.2 - 3.5 mm	100	1,400	✓
ZWDP65-5	5.5 x 65mm	4 - 12.5 mm	200	2,800	✓
ZWDP85-5	5.5 x 85mm	4 - 12.5 mm	100	1,400	✓

Miscellaneous



TECHNICAL



✓ Zinc Coating

Designed For: Assembly/fabrication of ducting/air con systems
Head style: Hexagonal
Drive: 5/16" hex
Drill Point: TEK 1
Material: SAE C1022 Carbon Steel
Coating: Electroplated Zinc (Passivated)

Code	Size	Box	Carton	Coating
TSHV4.2-12-1	4.2 x 12mm	1,000	10,000	Zinc
TSHV4.8-15-1	4.8 x 15mm	1,000	10,000	Zinc

TSHV (Usability Data)					
Part Number	Washer Dia. (mm)	Nominal Dia. (mm)	Nominal Lgth. (mm)	Threaded Lgth. (mm)	Drilling Capacity (mm)
TSHV4.2-12-1	None	4.2	12.0	FULL	Min = 0.5 Max = 2.5
TSHV4.8-15-1		4.8	15.0		

Pancake Head Zinc

TECHNICAL

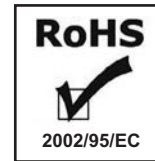
✓ Zinc Coating

Drill Point: TEK 3
Material: SAE C1022 Carbon Steel
Coating: Electroplated Zinc (Passivated)

Code	Size	Box	Carton	Coating
ZPH5.5-19-3	5.5 x 19mm	500	2,800	Zinc

TEK SCREW COLOUR CAPS

Tek Colour Caps



PC8-16 PC8-19 PC8-29 PC8-32

Code	Size	Box	Carton
PC8-16	16mm UV Protected Colour Cap	1,000	10,000
PC8-19	19mm UV Protected Colour Cap	1,000	10,000
PC8-29	29mm UV Protected Colour Cap	1,000	10,000
PC8-32	32mm UV Protected Colour Cap	1,000	10,000

Colour Chart							
Black		Meadowland		Britannia		Moss Green	
White		Moorland Green		Cornflower		Prologis Green	
Terracotta		Olive Green		Brown Beige		Glen Green	
Petra		Juniper Green		White Oyster		Pale Peppermint	
Poppy Red		Sage		Ivory		Squirrel	
Tangerine		Jade		Flame Red		Slate Grey	
Beige		Pinewood		Rubine		Anthracite	
Vandyke Brown		Eau de Nil		Burano		Oyster	
Bamboo		Verona		Ultra Marine		Dusty Grey	
Saffron		Albatross		Sargasso		Quartz	
Goosewing Grey		Merlin Grey		Gentian Blue		Pale Brown	
Mushroom		Raven/ Slate Blue		Mountain		Hamlet	
Svelte Grey		Wedgewood Blue		Bahama/ Sky		White (Creamy)	
Honesty		Ocean Blue		Caprice		White Alum	
Aztec		Solent Blue		Heritage		Dark Silver	
Pure White		Metallic Silver		Bleu Concorde			

NOTE:
COLOUR CHARTS
ARE FOR
GUIDANCE ONLY.
IF UNFAMILIAR
WITH THE
COLOURS
PLEASE
CONTACT US.

PLEASE CHECK
WITH OUR
CUSTOMER
SERVICE
DEPARTMENT,
SOME SPECIALITY
COLOURS ARE
SUBJECT TO
MINIMUM ORDER
QUANTITIES.

TEK SCREW COLOUR CAPS

Colour Moulding



Evolution Nylon Moulded Tek Screws are intended for the fastening of profiled metal cladding.

Available in a wide range of RAL and BS colours, specials available subject to minimum order quantity.

Evolution Moulded head fasteners have an 11mm Bi Hex head, giving excellent drive stability. This product replaces separate screws and caps, which can become detached over time. Thus preserving both the aesthetics and anti-corrosion properties of the fastener.



Available colours:

	ALBATROSS
	ANTHRACITE
	AZTEC YELLOW
	BAHAMA BLUE
	BLACK
	BRITTANIA BLUE
	BURANO
	CLEAR WHITE
	GOOSEWING GREY
	HAMLET
	HERITAGE GREEN
	HONESTY
	JADE

	JUNIPER GREEN
	MEADOWLAND
	MERLIN GREY
	MOUNTAIN BLUE
	MUSHROOM
	OCEAN BLUE
	OLIVE GREEN
	OYSTER
	PALE GREEN
	POPPY RED
	PURE GREY
	SAFFRON
	SARGASSO BLUE

	SILVER
	SLATE BLUE
	SLATE GREY
	SOLENT BLUE
	SVELT GREY
	TANGERINE
	TERRACOTTA
	ULTRA MARINE
	VAN DYKE BROWN
	VERONA GREEN
	WEDGEWOOD
	WHITE
	YELLOW

NOTE: COLOUR CHARTS ARE FOR GUIDANCE ONLY. IF UNFAMILIAR WITH THE COLOURS PLEASE CONTACT US.

Powder Coating

Evolution Fasteners new powder coated fasteners have been developed specifically for architectural/outdoor applications where excellent exterior durability and colour retention is required.

Electrostatically applied and oven cured, the powder coating produces a tough robust finish which is available in a vast colour range; consisting of standard RAL colours in different finishes. Custom colours are also available.

Powder coated fasteners have many applications; fixing cladding and architectural panels, including glass fibre reinforced polyester, fibre cement and resin decorative panels, as well as portable building, caravan



and mobile home manufacturing. They can also be used in various manufacturing applications, which require a coloured fixing such as outdoor furniture and commercial vehicles.

Corrosion resistant and maintenance free, the aesthetic powder coated fasteners are hard wearing and totally UV stable.

INSULATION FIXINGS

Self Drilling Insulation - Phillips

✓ Evoshield Coating



Designed For:	Fixing insulation to steel and timber purlins
Head Style:	Bugle
Drive:	Phillips 2
Thread Form:	Single
Material Grade:	AISI C1022
Coating:	500hr Evoshield®
Recommended Drill Speed:	Steel drilling capacity 0.7-2.0 mm 1,500 - 2,500 RPM

- ✓ Self drilling point and coarse thread allows optimum performance in steel and timber substrates
- ✓ Bugle head allows use with various washer designs
- ✓ Heat treated carbon steel construction yields material strength of 1,100N/mm² for superior physical performance
- ✓ Evoshield® coating provides greater corrosion resistance over the industry standard



For washers, see p. 64



INSULATION FIXINGS

Self Drilling Insulation - Phillips



Code	Size	Box	Carton	Phillips 2 Drive
ETKR60	4.8 x 60mm	200	2,400	✓
ETKR80	4.8 x 80mm	200	2,400	✓
ETKR100	4.8 x 100mm	200	2,400	✓
ETKR120	4.8 x 120mm	200	2,400	✓
ETKR140	4.8 x 140mm	200	2,400	✓
ETKR160	4.8 x 160mm	200	1,600	✓
ETKR180	4.8 x 180mm	200	1,600	✓
ETKR200	4.8 x 200mm	100	800	✓
ETKR220	4.8 x 220mm	100	800	✓
ETKR240	4.8 x 240mm	100	900	✓
ETKR260	4.8 x 260mm	100	600	✓
ETKR280	4.8 x 280mm	100	600	✓
ETKR300	4.8 x 300mm	100	600	✓



INSULATION FIXINGS

Self Drilling Insulation - Torx

✓ Evoshield Coating



Designed For:	Fixing insulation to steel and timber purlins
Head Style:	Bugle
Drive:	Torx 25
Thread Form:	Single
Material Grade:	AISI C1022
Coating:	500hr Evoshield®
Recommended Drill Speed:	Steel drilling capacity 0.7-2.0 mm 1,500 - 2,500 RPM

- ✓ Self drilling point and coarse thread allows optimum performance in steel and timber substrates
- ✓ Bugle head allows use with various washer designs
- ✓ Heat treated carbon steel construction yields material strength of 1,100N/mm² for superior physical performance
- ✓ Evoshield® coating provides greater corrosion resistance over the industry standard



For washers, see p. 64



INSULATION FIXINGS

Self Drilling Insulation - Torx



Code	Size	Box	Carton	T25 Drive
T25IS120	4.8 x 120mm	200	2,400	✓
T25IS140	4.8 x 140mm	200	2,400	✓
T25IS160	4.8 x 160mm	200	1,600	✓
T25IS180	4.8 x 180mm	200	1,600	✓
T25IS200	4.8 x 200mm	100	800	✓



INSULATION FIXINGS

Self-Drilling Insulation Screws – A4 Stainless Steel



✓ Bi-metal

Designed For:	Fixing insulation to light gauge steel or timber substrates. Also suitable where dissimilar metals are being used or superior corrosion resistance is required
Head style and Drive Type:	Phillips No. 2
Thread Form:	Coarse thread (Pitch = 1.8mm (approx.))
Material Grade:	SAE C1022 Carbon Steel – Drilling point AISI 316/ EN 1.4401 (A4) Stainless Steel – shank and head
Recommended Drill Speed:	Steel drilling capacity 0.7-2.0 mm 1,500 - 2,500 RPM
Coating:	5µm electroplated Zinc.

- ✓ High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time,
- ✓ Bi-metal fasteners have a hardened carbon steel drilling point (SAE C1022) brazed to a stainless steel (AISI 316/ EN 1.4401 (A4)) body and head,
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity, even in hardwoods with a high tannin content.

INSULATION FIXINGS

Self-Drilling Insulation Screws – A4 Stainless Steel



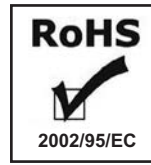
Code	Size	Box	Carton
A4IS45	4.8 x 45mm	100	3,200
A4IS60	4.8 x 60mm	100	3,200
A4IS80	4.8 x 80mm	100	3,200
A4IS100	4.8 x 100mm	100	2,000
A4IS120	4.8 x 120mm	100	2,000
A4IS140	4.8 x 140mm	100	1,600
A4IS160	4.8 x 160mm	100	800

✓ Bi-metal

SELF-DRILLING INSULATION SCREWS – A4 STAINLESS STEEL

INSULATION FIXINGS

Heavy Duty Roofing Screw



✓ Evoshield Coating



Designed For:	Fixing insulation and single ply membrane to plywood, timbers, steel decking and concrete.
Head Style:	Dome Head (Pan)
Drive:	PH3
Thread Form:	Coarse single thread
Material Grade:	AISI C1022
Coating:	500hr Evoshield®

- ✓ Fixing insulation and single ply membrane to plywood, timbers, steel decking and concrete.**
- ✓ For fixing ply and other roofing layers to timber
- ✓ Low profile pan head for application versatility
- ✓ Washers also available

** a 5mm pilot hole allows fixing to steel from 1.2 to 2mm, fastener is self piercing in 0.7mm track.

** a 5.15mm Pilot hole is required for concrete. Hole must be 15mm deeper than screw embedment.

Stress Plates

Designed For: Spreading the loading when fixing membrane, insulation and single ply materials in roofing applications, preventing the material being fastened from pulling over the head of the fastener.



INSULATION FIXINGS

Heavy Duty Roofing Screw



Code	Size	Box	Carton	Evoshield Coating
ERS76	76 mm	100	1,400	✓
ERS100	100 mm	100	1,200	✓
ERS127	127 mm	100	900	✓
ERS152	152 mm	100	900	✓
ERS176	176 mm	50	450	✓
ERS200	200 mm	50	450	✓

Stress Plates



Code	Size	Box
SPR70	Round 70mm	100
SP082	Oval 82 x 40mm	100

INSULATION FIXINGS

Insulation Retaining Washer

Designed For: For securing insulation to timber and sheet steel when used with Evolution drywall, ETKR etc

- ✓ Evolution Insulation retaining washers are used in conjunction with different screw types to secure PIR insulation to timber, steel and masonry
- ✓ All of the washers have a recessed mounting point for the screw head, this ensures that the screw head is well below the surface, reducing cold bridging



Polypropylene washer

Designed For: For securing insulation to timber and steel sheet when used in conjunction with Evolution screws

Colour: Black

- ✓ UV stable polypropylene washer to secure PIR insulation
- ✓ Recessed hole to allow flat surface finish
- ✓ 5 radial holes for render keying



For customer convenience we offer four differing types of retention washer, some with more than one length.

Washer 1 - RW5 and RW18
The washers are 46mm diameter, manufactured from high strength Nylon. Two versions are available, short stem with 5mm recess and long stem with 18mm recess.

Washer 2 - RW35 and RW65
This product's longer length recess allows the fixing to retain the thicker insulation types being used in today's construction industry

Washer 3 - ECW60
The washer head is 60mm in diameter and with its additional sealing cap provides additional cold bridging protection.

INSULATION FIXINGS

Insulation Retaining Washer



Code	Size	Diameter	Box
RW5	5 mm Recess	46 mm	500
RW18	18 mm Recess	46 mm	500
RW35	35 mm Recess	50 mm	600
EVNW35	35mm polyprop	35mm	1000
EVPPW50	50mm polyprop	50mm	1000
RW65	65 mm Recess	50 mm	400
ECW60	12 mm Recess	60 mm	100

Evolution Insulation retaining washers can be used in conjunction with:

- ▶ Evolution Woodscrews
- ▶ Drywall Screws
- ▶ Masonry screws
- ▶ Long length Insulation Screws

INSULATION FIXINGS

Panel-Fix

Insulation Fixing

Designed For: Quick through-fix for insulation boards into masonry/ aerated concrete/ brick/ concrete/ stone

Material Grade: Thermoplastic Polymer

Shank Material: Polypropylene

Colour: White

Head Style: Flat



Insulation Support Washer

Designed For: For use with insulation fixing for fixing soft insulation (e.g. Rockwool®)

Colour: White



INSULATION FIXINGS

Panel Fix



Code	Size	Min drill depth	Pilot hole	Fixture thickness	Box	Carton
EVPF50	8.0 x 50 mm	35 mm	8.0 mm	10.0 - 20.0 mm	500	500
EVPF70	8.0 x 70 mm	35 mm	8.0 mm	10.0 - 40.0 mm	500	500
EVPF90	8.0 x 90 mm	35 mm	8.0 mm	10.0 - 60.0 mm	500	500
EVPF110	8.0 x 110 mm	35 mm	8.0 mm	10.0 - 80.0 mm	500	500
EVPF130	8.0 x 130 mm	35 mm	8.0 mm	10.0 - 100.0 mm	500	500

MASONRY SCREWS & ANCHORS

Self Tapping Masonry Screw

✓ Countersunk Head

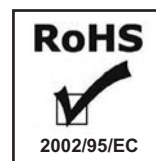


✓ Slotted Head



Designed for:	Fixing timber battens, trunking, track and general components into concrete and masonry
Head style:	Countersunk or slotted hex head
Drive bit:	Phillips 2 / Phillips 3 and 5/16 hex for slotted hex head
Drill point:	Nail point
Coating:	500hr Evoshield®
Shank material:	Carbon steel
Material grade:	AISI C1022

- ✓ Head styles - both hex and countersunk types available for application versatility. Precision manufacture ensures stick-fit with countersunk types
- ✓ Aggressive threadform design ensures consistent tapping and superb holding power
- ✓ Fast and simple installation, re-usable, no plugs required.
- ✓ Nail point tip
- ✓ 500hr rated Evoshield™ coating gives high performing corrosion protection, setting standards for surface hardness and integrity
- ✓ Non-expansion fixing allows fixing closer to edge of substrate



MASONRY SCREWS & ANCHORS

Self Tapping Masonry Screw



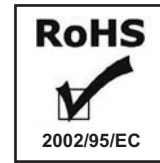
Code	Size	Drive	Fixture Build-Up	Countersunk Head	Slotted Hex Head	Box	Carton
MSCSK4.8-32-2	4.8 x 32.0 mm	Phillips No 2	0.0 – 7.0mm	✓		100	3,200
MSCSK4.8-45-2	4.8 x 45.0 mm	Phillips No 2	5.0 – 20.0mm	✓		100	3,200
MSCSK4.8-57-2	4.8 x 57.0 mm	Phillips No 2	17.0 – 32.0mm	✓		100	2,400
MSCSK4.8-70-2	4.8 x 70.0 mm	Phillips No 2	30.0 – 45.0mm	✓		100	1,400
MSCSK4.8-82-2	4.8 x 82.0 mm	Phillips No 2	42.0 – 57.0mm	✓		100	1,400
MSCSK4.8-100-2	4.8 x 100.0 mm	Phillips No 2	60.0 – 75.0mm	✓		100	1,400
MSCSK6.3-32-3	6.3 x 32.0 mm	Phillips No 3	0.0 – 7.0mm	✓		100	2,400
MSCSK6.3-45-3	6.3 x 45.0 mm	Phillips No 3	5.0 – 20.0mm	✓		100	3,000
MSCSK6.3-57-3	6.3 x 57.0 mm	Phillips No 3	17.0 – 32.0mm	✓		100	2,400
MSCSK6.3-70-3	6.3 x 70.0 mm	Phillips No 3	30.0 – 45.0mm	✓		100	1,600
MSCSK6.3-82-3	6.3 x 82.0 mm	Phillips No 3	42.0 – 60.0mm	✓		100	1,600
MSCSK6.3-100-3	6.3 x 100.0 mm	Phillips No 3	57.0 – 75.0mm	✓		100	1,400
MSCSK6.3-125-3	6.3 x 125.0 mm	Phillips No 3	85.0 – 100.0mm	✓		100	800
MSHH6.3-32-516	6.3 x 32.0 mm	5/16" AF Hex	0.0 – 7.0mm		✓	100	3,200
MSHH6.3-45-516	6.3 x 45.0 mm	5/16" AF Hex	5.0 – 20.0mm		✓	100	1,600
MSHH6.3-57-516	6.3 x 57.0 mm	5/16" AF Hex	17.0 – 32.0mm		✓	100	2,400
MSHH6.3-70-516	6.3 x 70.0 mm	5/16" AF Hex	30.0 – 45.0mm		✓	100	1,400
MSHH6.3-82-516	6.3 x 82.0 mm	5/16" AF Hex	42.0 – 57.0mm		✓	100	1,400
MSHH6.3-100-516	6.3 x 100.0 mm	5/16" AF Hex	55.0 – 75.0mm		✓	100	1,200
MSHH6.3-125-516	6.3 x 125.0 mm	5/16" AF Hex	75.0 – 100.0mm		✓	100	1,200

See also stainless steel masonry screw - p.70



MASONRY SCREWS & ANCHORS

A4 Grade Bi-Metal Masonry Screws



Designed for:	Fixing timber battens, trunking, track and general components into concrete, masonry and timber
Head style:	5/16" hexagonal head
Drill point:	Type 17
Coating:	500hr Evoshield®
Shank material:	Stainless steel
Material grade:	AISI 316/ A4

- ✓ Carbon steel point and lead thread ensures superior tapping characteristics giving consistent fastening every time
- ✓ Bi-metal fasteners have a hardened carbon steel drill point married to a 316/ Euro A4 grade stainless steel shank and head
- ✓ Ultimate corrosion protection to ensure long-term fastener integrity
- ✓ Aggressive threadform design ensures consistent tapping and holding power
- ✓ Fast and simple installation
- ✓ Non-expansion fixing allows fixing closer to edge of substrate
- ✓ Euro A4 grade stainless washers also available
- ✓ Requires 5.15mm pilot hole, for compatible drill bits please go to page 129

MASONRY SCREWS & ANCHORS

A4 Grade Bi-Metal Masonry Screws



Code	Size	Box	Carton
A4HH6.3-32-GP	6.3mm x 32mm	100	1,000
A4HH6.3-45-GP	6.3mm x 45mm	100	1,000
A4HH6.3-57-GP	6.3mm x 57mm	100	1,000
A4HH6.3-70-GP	6.3mm x 70mm	100	1,000
A4HH6.3-82-GP	6.3mm x 82mm	100	1,000
A4HH6.3-100-GP	6.3mm x 100mm	100	1,000

A4HH Usability Data						
Product Code	Nominal Dimensions	Min. Embedment Depth	Max. Embedment Depth	Pilot Hole Diameter	Minimum Pilot Hole Depth	Fixture/Build-up Thickness
A4HH6.3-32-GP	6.3 x 32.0	25	32	5.15	40	0.0 – 5.0
A4HH6.3-45-GP	6.3 x 45.0					5.0 – 15.0
A4HH6.3-57-GP	6.3 x 57.0					15.0 – 27.0
A4HH6.3-70-GP	6.3 x 70.0	25	35			25.0 – 40.0
A4HH6.3-82-GP	6.3 x 82.0					40.0 – 50.0
A4HH6.3-100-GP	6.3 x 100.0					50.0 – 70.0

A4 GRADE BI METAL MASONRY SCREW

MASONRY SCREWS & ANCHORS

Self Tapping Framing Screws with Torx Head

✓ Countersunk Head



Designed for:	Fixing wood, metal or PVCu frames to masonry
Head style:	Countersunk
Thread form:	Single coarse 'V' fluted
Drill point:	Sharp point
Material grade:	Carbon steel
Coating:	Yellow passivated zinc

- ✓ A heavy duty self-tapping concrete screw suitable for fixing wood, metal or PVCu frames to masonry.
- ✓ Lengths available from 62mm to 212mm.
- ✓ Torx30 recess provides excellent torsional stability and superior drive characteristics.
- ✓ Case hardened carbon steel (C1018) with yellow zinc passivated coating (48hr Rated).
- ✓ Non-expansion fixing. Allows fixing closer to edge of substrate.
- ✓ Aggressive thread form design ensures consistent tapping and superb holding power.
- ✓ Torx 30 drive bit included with every box.
- ✓ Requires 6.0mm pilot hole, for compatible drill bits please go to page 129.



MASONRY SCREWS & ANCHORS

Self Tapping Framing Screws with Torx Head



Code	Size	Box	Carton
STCS62	7.5x62mm	100	1,000
STCS72	7.5x72mm	100	1,000
STCS82	7.5x82mm	100	1,000
STCS92	7.5x92mm	100	1,000
STCS102	7.5x102mm	100	1,000
STCS112	7.5x112mm	100	1,000
STCS122	7.5x122mm	50	1,000
STCS132	7.5x132mm	50	1,000
STCS152	7.5x152mm	50	1,000
STCS162	7.5x162mm	50	800
STCS182	7.5x182mm	50	800
STCS202	7.5x202mm	50	800
STCS212	7.5x212mm	50	800

STCS Usability Data						
Product Code	Nominal Dimensions	Min. Embedment Depth	Max. Embedment Depth	Pilot Hole Diameter	Minimum Pilot Hole Depth	Fixture/ Build-up Thickness
STCS62	7.5 x 62.0	25.0	35.0	6.0	40.0	0.0 – 27.0
STCS82	7.5 x 82.0					0.0 – 47.0
STCS92	7.5 x 92.0					0.0 – 57.0
STCS102	7.5 x 102.0					0.0 – 67.0
STCS112	7.5 x 112.0					0.0 – 77.0
STCS122	7.5 x 122.0					0.0 – 87.0
STCS132	7.5 x 132.0					0.0 – 97.0
STCS152	7.5 x 152.0					47.0 – 117.0
STCS162	7.5 x 162.0					47.0 – 127.0
STCS182	7.5 x 182.0					57.0 – 147.0
STCS202	7.5 x 202.0					57.0 – 167.0
STCS212	7.5 x 212.0					57.0 – 177.0

SELF TAPPING FRAMING SCREWS WITH TORX HEAD

MASONRY SCREWS & ANCHORS

High Performance Hammerfix

✓ Carbon Steel



Designed for Purpose:	Through fixing for use in masonry
Head Style:	Countersunk/ Flat
Coating:	Zinc with dichromate passivation
Material Grade:	C1022

- ✓ For quick and easy fixing into solid brick or masonry
- ✓ Extensive range to suit most requirements
- ✓ High density, fully removable nylon sleeve
- ✓ Manufactured from steel and zinc coated
- ✓ Time saving application due to pre-assembled screw and plug
- ✓ Countersunk head design protects the item being fixed



CE marked in compliance with the Construction Products Regulations (European Regulation No. 305/2011 and with full European Technical Approvals.

MASONRY SCREWS & ANCHORS

High Performance Hammerfix



Code	Size	Drill ø	Max Fixture Thickness	Min Drill Depth	Carbon Steel	Box	Carton
EHIA640	6.0 x 40.0 mm	6 mm	10 mm	40 mm	✓	200	2,400
EHIA650	6.0 x 50.0 mm	6 mm	25 mm	40 mm	✓	200	2,400
EHIA660	6.0 x 60.0 mm	6 mm	35 mm	40 mm	✓	100	1,200
EHIA680	6.0 x 80.0 mm	6 mm	55 mm	40 mm	✓	100	1,200
EHIA860	8.0 x 60.0 mm	8 mm	25 mm	50 mm	✓	100	1,200
EHIA880	8.0 x 80.0 mm	8 mm	40 mm	50 mm	✓	50	600
EHIA8100	8.0 x 100.0 mm	8 mm	60 mm	50 mm	✓	50	600
EHIA8120	8.0 x 120.0 mm	8 mm	80 mm	50 mm	✓	50	600
EHIA8140	8.0 x 140.0 mm	8 mm	95 mm	50 mm	✓	50	600
EHIA640C*	6.0 x 40.0 mm	6 mm	10 mm	40 mm	✓	200	2,400

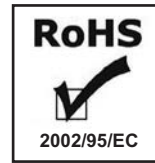
* Denotes collared version of product



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MASONRY SCREWS & ANCHORS

Standard Hammerfix



✓ Carbon Steel

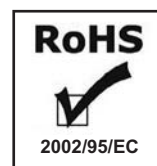


Designed for Purpose: Through fixing for use in concrete and masonry
Head Style: Countersunk/ Flat
Coating: Zinc
Material Grade: C1022 carbon steel

- ✓ For quick and easy fixing into solid brick, masonry or concrete,
- ✓ Extensive range to suit most requirements,
- ✓ High density, fully removable nylon sleeve,
- ✓ Manufactured from steel and zinc coated,
- ✓ Time saving application due to pre-assembly of screw and plug
- ✓ Countersunk design protects the item being fixed.

MASONRY SCREWS & ANCHORS

Standard Hammerfix



Code	Size	Drill Ø	Max Fixture Thickness	Min Drill Depth	Carbon Steel	Box	Carton
HS550	5.0 x 50.0 mm	5 mm	25 mm	40 mm	✓	200	2,400
HS640	6.0 x 40.0 mm	6 mm	10 mm	40 mm	✓	200	2,400
HS650	6.0 x 50.0 mm	6 mm	25 mm	40 mm	✓	200	2,400
HS660	6.0 x 60.0 mm	6 mm	35 mm	40 mm	✓	100	1,200
HS680	6.0 x 80.0 mm	6 mm	55 mm	40 mm	✓	100	1,200
HS860	8.0 x 60.0 mm	8 mm	25 mm	50 mm	✓	100	1,200
HS880	8.0 x 80.0 mm	8 mm	40 mm	50 mm	✓	50	600
HS8100	8.0 x 100.0 mm	8 mm	60 mm	50 mm	✓	50	600
HS8120	8.0 x 120.0 mm	8 mm	80 mm	50 mm	✓	50	600
HS8140	8.0 x 140.0 mm	8 mm	95 mm	50 mm	✓	50	600
HS640C*	6.0 x 40.0 mm	6 mm	10 mm	40 mm	✓	200	2,400

* Denotes collared version of product

A2 Hammerfix

✓ Stainless Steel



Designed for Purpose: Through fixing for use in concrete and masonry

Head Style: Countersunk/ Flat

Coating: Zinc

Material Grade: AISI 304/ EN 1.4301 (A2)

- ✓ For quick and easy fixing into solid brick, masonry or concrete,
- ✓ Extensive range to suit most requirements,
- ✓ High density, fully removable nylon sleeve,
- ✓ Manufactured from steel and zinc coated,
- ✓ Time saving application due to pre-assembly of screw and plug
- ✓ Countersunk design protects the item being fixed.

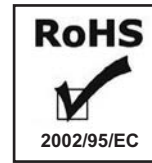
A2 Hammerfix



Code	Size	Box	Carton
SSHS640	6.0 x 40.0 mm	100	1,200
SSHS660	6.0 x 60.0 mm	100	1,200
SSHS860	8.0 x 60.0 mm	100	1,200
SSHS880	8.0 x 80.0 mm	100	1,200
SSHS8100	8.0 x 100.0 mm	100	1,200

MASONRY SCREWS & ANCHORS

Steel Ceiling Anchors



ETA-13/06340



Designed for: Use with angle brackets in concrete ceilings where regulations dictate all steel anchors should be used for overhead fixings.

Head style: Flat

Coating: Passivated zinc

Shank material: Carbon steel

Material grade: AISI C1022

Drill diameter: 6.0mm

Min. drill depth: 30.0mm

Fixture thickness: 5.0mm

Fire tested: Yes, to EN1364-1

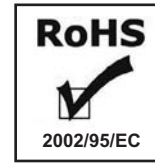


- ✓ Manufactured from steel and zinc with a clear passivated coating
- ✓ Time saving application due to pre-assembled nature of anchor
- ✓ Quick and easy through fix item
- ✓ Extensive range to suit most requirements
- ✓ High retaining power
- ✓ Automatic expansion
- ✓ Non-removable

Code	Size	Box	Carton
EVDBZ640	M6 x 40.0mm	100	2,000
EVDBZ665	M6 x 65.0mm	100	1,000

MASONRY SCREWS & ANCHORS

Wirehangers



Designed for:	Fixing cables/wires in suspended ceiling applications.
Head style:	Flat
Size:	M6 x 60.0mm
Eye diameter:	6.5mm
Coating:	Clear or Yellow zinc passivated
Shank material:	Carbon steel
Material grade:	AISI C1022
Drill diameter:	6.0mm
Min. drill depth:	35.0mm
Fire tested:	Yes, to EN1364-1

- ✓ 6.5mm eye to ensure speed of application when attaching wire
- ✓ Zinc and clear passivated coating
- ✓ Quick and easy installation

Code	Size	Eye Diameter	Drill Diameter	Min Drill Depth	Box	Carton
WH6	M6 x 60.0 mm	6.5 mm	6.0 mm	35.0 mm	100	2,000

Plasterboard Anchors



Designed for: Self-drilling anchor ideal for fixing light and medium loads to plasterboard e.g electrical / plumbing fixtures, shelving brackets and supports for kitchen cabinets etc.

Anchor size: 13mm x 42mm

Head style: Pan head Pozi2

Screw size: 4.5mm x 38mm

Material grade: Zamak

- ✓ No Pre-drilling required
- ✓ Simple to install with a Phillips No.2 Screw driver

MASONRY SCREWS & ANCHORS

Plasterboard Anchors



Code	Size	Box	Carton
EVPBA12	13.0 x 42.0 mm	100	2,000

Anchorbolts



Designed for:	Fixing to concrete in medium/heavy duty applications
Hi-Lo Thread:	Yes
Head Style:	Hexagonal bolt
Material Grade:	AISI 10B21
Drive Bit:	Hex socket
Fixes To:	Concrete
Coating:	Electroplated zinc
Colour:	Silver
For Fixing:	Timber /components / bracketry
Effective Thread length:	Fully threaded

- ✓ Manufactured from AISI 10B21 boron steel with an electroplated zinc coating
- ✓ Can be screwed directly into a hole drilled in the substrate without needing additional fixings or special tools
- ✓ Fully threaded

MASONRY SCREWS & ANCHORS

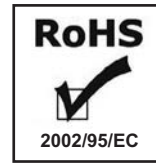
Anchorbolts



Code	Size	Min Drill Depth	Pilot Hole	Box	Carton
EAB840	8.0 x 40 mm	30 mm	8.0 mm	100	1,200
EAB875	8.0 x 75 mm	60 mm	8.0 mm	100	800
EAB8130	8.0 x 130 mm	60 mm	8.0 mm	50	600
EAB8150	8.0 x 150 mm	60 mm	8.0 mm	25	400
EAB10560	10.5 x 60 mm	60 mm	10.0 mm	50	600
EAB10575	10.5 x 75 mm	60 mm	10.0 mm	50	600
EAB105100	10.5 x 100 mm	60 mm	10.0 mm	50	400
EAB105130	10.5 x 130 mm	60 mm	10.0 mm	25	300
EAB105150	10.5 x 150 mm	60 mm	10.0 mm	25	300
EAB12575	12.5 x 75 mm	70.0 mm	12.0 mm	50	400
EAB125130	12.5 x 130 mm	70.0 mm	12.0 mm	25	200
EAB1675	16.0 x 75 mm	60.0 mm	16 mm	25	300
EAB16100	16.0 x 100 mm	70.0 mm	16 mm	10	160

DRYWALL

Fine Thread Drywall Screws (Zinc)



2008 = 01DW-01/14

✓ Zinc Coating



Designed For:	Fixing plasterboard to metal stud up to 1.0mm
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Super sharp point
Thread form:	Twin thread, fine
Coating:	Electro plated zinc
Shank material:	Carbon steel
Material grade:	AISI C1022

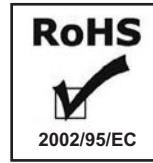


- ✓ Designed to drill through 1mm of steel in 0.5 seconds
- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Thread configuration ensures clean, smooth, low torque installation for maximum holding power
- ✓ Manufactured from C1022 grade steel (premium quality) with bright zinc plating
- ✓ Super sharp point dimples steel at point of contact providing wobble-free and therefore quicker installation
- ✓ Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening
- ✓ 'Stick fit' gives push fit on to drywall screwdriver bit



Premium screwdriver insert bit provided in plastic bag at top of every box.

Fine Thread Drywall Screws (Zinc)



2008 = 01DW-01/14



Code	Size	Max Board Thickness	Box	Carton
DWSZ25	3.5 x 25.0 mm	15 mm	1,000	10,000
DWSZ32	3.5 x 32.0 mm	22 mm	1,000	10,000
DWSZ38	3.5 x 38.0 mm	28 mm	1,000	10,000
DWSZ42	3.5 x 42.0 mm	32 mm	1,000	10,000
DWSZ50	3.5 x 50.0 mm	40 mm	1,000	10,000
DWSZ65	4.2 x 65.0 mm	55 mm	500	5,000
DWSZ75	4.2 x 75.0 mm	65 mm	500	5,000
DWSZ90	4.2 x 90.0 mm	80 mm	500	3,000
DWSZ100	4.2 x 100.0 mm	90 mm	500	3,000
DWSZ125	4.8 x 125.0 mm	115 mm	250	2,500
DWSZ150	4.8 x 150.0 mm	140 mm	200	2,000

DRYWALL

Fine Thread Drywall Screw (Black Phosphate)



2008 = 01DW-01/14

✓ Black Phosphate Coating



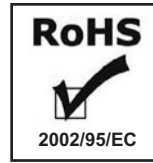
Designed For:	Fixing plasterboard to metal stud up to 1.0mm
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Super sharp point
Thread form:	Twin thread, fine
Coating:	Black phosphate
Shank material:	Carbon steel
Material grade:	AISI C1018

- ✓ Manufactured from C1018 grade steel (premium quality) with 48 hour salt spray tested black phosphate coating
- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Thread configuration ensures clean, smooth, low torque installation for maximum holding power
- ✓ Super sharp point dimples steel at point of contact providing wobble-free and therefore quicker installation
- ✓ Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening



Premium screwdriver insert bit provided in plastic bag at top of every box.

Fine Thread Drywall Screw (Black Phosphate)



2008 = 01DW-01/14



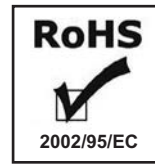
Code	Size	Box	Carton
DWSP25	3.5 x 25.0 mm	1,000	10,000
DWSP32	3.5 x 32.0 mm	1,000	10,000
DWSP35	3.5 x 35.0 mm	1,000	10,000
DWSP38	3.5 x 38.0 mm	1,000	10,000
DWSP42	3.5 x 42.0 mm	1,000	10,000
DWSP45	3.5 x 45.0 mm	1,000	6,000
DWSP50	3.5 x 50.0 mm	1,000	10,000
DWSP55	3.5 x 55.0 mm	1,000	5,000
DWSP65	4.2 x 65.0 mm	500	5,000
DWSP75	4.2 x 75.0 mm	500	5,000
DWSP100	4.2 x 100.0 mm	500	3,000
DWSP3925	3.9 x 25.0 mm	1,000	10,000
DWSP3930	3.9 x 30.0 mm	1,000	10,000
DWSP3935	3.9 x 35.0 mm	1,000	10,000
DWSP3945	3.9 x 45.0 mm	1,000	6,000
DWSP3955	3.9 x 55.0 mm	1,000	5,000
DWSP4265	4.2 x 65.0 mm	500	5,000
DWSP4270	4.2 x 70.0 mm	500	5,000
DWSP4275	4.2 x 75.0 mm	500	5,000

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

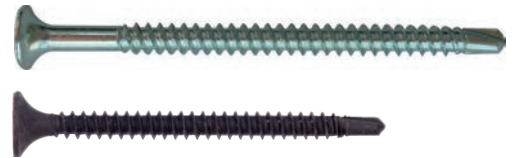
DRYWALL

Bugle Head Self-Drill Drywall Screws



2008 = 01DW-01/14

- ✓ Zinc Coating
- ✓ Black Phosphate



Designed For: Fixing plasterboard to heavier gauge metal section (up to 2.5mm)

Head style: Bugle

Drive bit: Phillips 2

Drill point: Self drill point

Thread form: Twin

Coating: Electro plated zinc or Black Phosphate

Shank material: Carbon steel

Material grade: AISI C1022

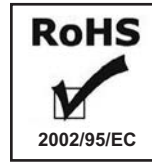


- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Thread configuration ensures clean, smooth, low torque installation; fully formed for maximum holding power
- ✓ Steel C1022 with electroplated zinc to 5µm
- ✓ Self-drill point recommended for use on metal section up to 2.5mm, giving fast and consistent drilling times
- ✓ Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening
- ✓ 'Stick fit' gives push fit on to drywall screwdriver bit



Premium screwdriver insert bit provided in plastic bag at top of every box.

Bugle Head Self-Drill Drywall Screws



2008 = 01DW-01/14



Code	Size	Max Board Thickness	Box	Carton	Coating
DWSDZ25	3.5 x 25.0 mm	12 mm	1,000	8,000	Zinc
DWSDZ32	3.5 x 32.0 mm	15 mm	1,000	10,000	Zinc
DWSDZ38	3.5 x 38.0 mm	20 mm	1,000	10,000	Zinc
DWSDZ42	3.5 x 42.0 mm	25 mm	1,000	10,000	Zinc
DWSDZ50	3.5 x 50.0 mm	35 mm	1,000	10,000	Zinc
DWSDZ65	4.2 x 65.0 mm	50 mm	500	5,000	Zinc
DWSDZ75	4.2 x 75.0 mm	60 mm	500	5,000	Zinc
DWSDZ90	4.2 x 90.0 mm		500	5,000	Zinc
DWSDZ100	4.8 x 100.0 mm	85 mm	500	3,000	Zinc
DWSDZ125	4.8 x 125.0 mm	110 mm	250	2,500	Zinc
DWSDP3525	3.5 x 25.0 mm	12 mm	1,000	10,000	Black Phosphate
DWSDP3535	3.5 x 35.0 mm	15 mm	1,000	10,000	Black Phosphate
DWSDP3545	3.5 x 45.0 mm	25 mm	1,000	10,000	Black Phosphate
DWSDP3555	3.5 x 55.0 mm	35 mm	1,000	5,000	Black Phosphate

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

DRYWALL

Wafer & Pan Head Self-Drill Drywall Screws

✓ **Wafer Head**



✓ **Pan Head**



Designed For: The assembly of drywall track and ceiling track systems
Drive bit: Phillips 2
Thread form: Single
Coating: Electroplated zinc
Shank material: Carbon steel
Material grade: AISI C1022

- ✓ Deep, stick-fit, Phillips recess, reduces dropped or misaligned screws, providing fast, efficient fastening
- ✓ Thread configuration ensures clean, smooth, low torque installation; fully formed for maximum holding power
- ✓ Superior corrosion protection to ensure long term fastener integrity. Electroplated zinc
- ✓ Case hardened carbon steel
- ✓ Super hard and sharp drill tips ensure fast drill times

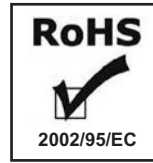


2008 = 01DW-01/14



Premium screwdriver insert bit provided in plastic bag at top of every box.

Wafer & Pan Head Self-Drill Drywall Screws



2008 = 01DW-01/14



Code	Size	Wafer Head	Pan Head	Box	Carton
WHDZ13*	4.2 x 13.0mm	✓		1,000	10,000
WHSDZ12	4.2 x 12.0mm	✓		1,000	10,000
WHSDZ19	4.2 x 19.0mm	✓		1,000	10,000
WHSDZ25	4.2 x 25.0mm	✓		1,000	10,000
WHSDZ50	4.2 x 50.0mm	✓		500	5,000
PHDZ12*	3.9 x 12mm		✓	1,000	10,000
PHSDZ12	3.9 x 12mm		✓	1,000	10,000

* Sharp Point

DRYWALL

Coarse Thread Drywall Screw (Black Phosphate)



2008 = 01DW-01/14

✓ Black Phosphate Coating



Designed For:	Fixing plasterboard to timber
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Super sharp point
Thread form:	Single
Coating:	Black phosphate
Shank material:	Carbon steel
Material grade:	AISI C1022

- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Coarse thread screws have nine threads per inch to give greater 'grab' in timber, as opposed to standard drywall screws which have seventeen threads per inch
- ✓ Thread configuration ensures rapid advancement when fixing to timber
- ✓ Deeper thread diameter of 3.65 - 3.85mm to give greater hold in timber
- ✓ C1018 steel with 48 hour salt spray tested black phosphate coating
- ✓ Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening
- ✓ 'Stick fit' gives push fit on to drywall screwdriver bit, which reduces dropped or misaligned screws meaning less wastage



Premium screwdriver insert bit provided in plastic bag at top of every box.

Coarse Thread Drywall Screw (Black Phosphate)



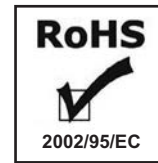
Code	Size	Max Board Thickness	Box	Carton
DWSC25	3.5 x 25.0mm	0 - 9mm	1,000	10,000
DWSC32	3.5 x 32.0mm	0 - 12.5mm	1,000	10,000
DWSC35	3.5 x 35.0mm	0 - 15mm	1,000	10,000
DWSC38	3.5 x 38.0mm	0 - 15mm	1,000	10,000
DWSC42	3.5 x 42.0mm	0 - 18mm	1,000	10,000
DWSC50	3.5 x 50.0mm	0 - 25mm	1,000	10,000
DWSC65	4.2 x 65.0mm	0 - 40mm	500	5,000
DWSC75	4.2 x 75.0mm	0 - 50mm	500	5,000
DWSC90	4.8 x 90.0mm	40 - 65mm	500	3,000
DWSC100	4.8 x 100.0mm	50 - 75mm	500	3,000
DWSC110	4.8 x 110.0mm	65 - 85mm	200	2,000
DWSC120	4.8 x 120.0 mm	75 - 95mm	200	2,000
DWSC150	4.8 x 150.0 mm	95 - 125mm	200	2,000
DWSC3925	3.9 x 25 mm	0 - 9mm	1,000	10,000
DWSC3930	3.9 x 30 mm	0 - 12.5mm	1,000	10,000
DWSC3935	3.9 x 35 mm	0 - 15mm	1,000	10,000
DWSC3941	3.9 x 41 mm	0 - 18mm	1,000	6,000
DWSC3945	3.9 x 45 mm	0 - 20mm	1,000	6,000
DWSC3955	3.9 x 55 mm	0 - 30mm	1,000	5,000
DWSC3965	3.9 x 65 mm	0 - 40mm	500	5,000
DWSC4270	4.2 x 70.0mm	0 - 45mm	500	5,000
DWSC4290	4.2 x 90 mm	40 - 65mm	500	6,000

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

DRYWALL

Cementitious Board Screws



2008 = 01DW-01/14



✓ **Evoshield Coating**



✓ **Bi-metal**

Designed For: Fixing cementitious and other dense boards to timber and metal substrates

Head style: Double countersunk with nibs

Recess type: Phillips No. 2

Thread type: Patent (pending) Evolution Universal Thread

Material: Carbon steel C1022

Coating: 1,000Hr EvoShield®

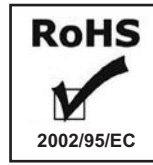
- ✓ Countersunk nibs will act to lessen reaction stresses in the substrate material
- ✓ Countersunk nibs ensure flush finish even in very dense board environments
- ✓ High grade, medium carbon steel (C1022)
- ✓ Super strong neck eliminates head snap
- ✓ Spoon point and hi-lo threadform give rapid advancement
- ✓ Self-drilling, hi-lo thread for use in track from 0.8 to 2.5mm

Benefits of Evoshield®

- ✓ This screw coating has a 1,000Hr EvoShield® salt spray rating
- ✓ Superior corrosion resistance. Excellent against gas, weathering and other corrosive factors
- ✓ Resistant to acid and alkaline attack, galvanic corrosion and hydrogen embrittlement.
- ✓ Exceptionally hard, resistance against scratches. Composite layers minimise the effect of scratches on the protection coating
- ✓ Electrolytic corrosion resistance. Less contact corrosion with other metals
- ✓ Paintable



Cementitious Board Screws



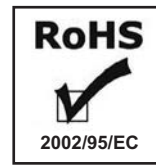
2008 = 01DW-01/14



Code	Size	Evoshield Coating	Bi-metal	Box	Carton
WHX32	4.2 x 32 mm	✓		200	6,400
WHX42	4.2 x 42 mm	✓		200	4,800
WHX60	4.2 x 60 mm	✓		200	4,800
WHX80	4.2 x 80 mm	✓		200	3,200
WHX100	4.2 x 100 mm	✓		200	3,200
WHL08114	4.2 x 32 mm	✓		200	4,800
WHL08158	4.2 x 42 mm	✓		200	4,800
BMDW4842	4.8 x 42 mm		✓	200	4,800
BMDW4870	4.8 x 70 mm		✓	200	4,800



Tough Board Screws



2008 = 01DW-01/14

✓ Black Phosphate Coating



- Designed For:** Fixing dense and hard surfaced boards to both drywall track/timber base materials
- Head style:** Countersunk with 4 nibs
- Drive bit:** Phillips 2
- Thread form:** Hi-Lo
- Coating:** Black phosphate
- Shank material:** Carbon steel
- Material grade:** SAE C1022 Carbon Steel or AISI 304/ EN 1.4301 (A2)
- Effective thread length:** Fully threaded
- Drill point:** Super sharp point

- ✓ Self-countersinking nibs
- ✓ Reduced width head

Code	Size	Box	Carton
F35	3.9 x 35.0 mm	1,000	10,000
F45	3.9 x 45.0 mm	1,000	10,000
F55	3.9 x 55.0 mm	1,000	10,000

Hi-Lo Tough Board Screw

Code	Size	Box	Carton
DWSFCP3919	3.9 x 19.0 mm	1,000	12,000
DWSFCP3930	3.9 x 30.0 mm	1,000	8,000
DWSFCP3945	3.9 x 45.0 mm	1,000	5,000

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

Under Cutting Drywall

✓ Black phosphate



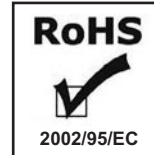
Code	Size	Box	Carton
EVUCD35	3.9 x 35.0 mm	1,000	10,000
EVUCD45	3.9 x 45.0 mm	500	7,500

Reverse Thread Drywall



Code	Size	Box	Carton
DWRT32	32mm	1,000	10,000
DWRT42	42mm	500	7,500

Heavy Duty Cutter Ring Drywall



2008 & A1: 2009

✓ Zinc Coating



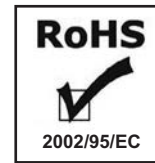
Designed For:	Fixing fragile paper faced plasterboards to timber substrates
Head style:	Proprietary countersunk head with undercutting annular ring
Drive bit:	Phillips No. 2
Thread form:	Single coarse thread
Fastener material:	Hardened carbon steel (AISI C1022)
Coating information:	Electroplated zinc with clear dichromate passivation

- ✓ Coarse single thread for use in timber substrates
- ✓ Countersunk head with cutting ring
- ✓ Super sharp point
- ✓ Fine single thread for use in drywall track

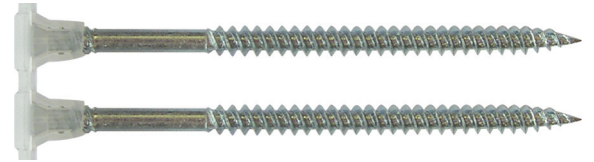
Code	Size	Box	Carton
DWSCP32	4.2 x 32.0 mm	1,000	10,000
DWSCP38	4.2 x 38.0 mm	1,000	10,000

DRYWALL

Fine Thread Collated Drywall Screws (Zinc)



2008 = 01DW-01/14



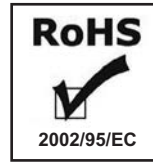
✓ Zinc Coating

Designed for:	Fixing plasterboard to metal studs of 0.5mm - 0.9mm
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Sharp
Thread form:	Twin
Coating:	Electroplated zinc
Shank material:	Carbon steel
Material grade:	AISI C1022
Effective thread length:	Fully threaded

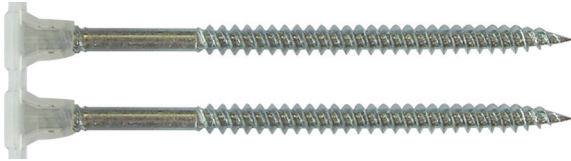
- ✓ Double pre-sorted screws ensure 100% usability and no wasted screws
- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Thread configuration ensures clean, smooth, low torque installation for maximum holding power
- ✓ Manufactured from C1022 grade steel (premium quality) with bright zinc plating to 5µm
- ✓ Super sharp point dimples steel at point of contact providing wobble-free and therefore quicker installation.



Fine Thread Collated Drywall Screws (Zinc)



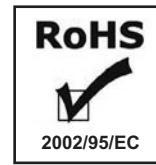
2008 = 01DW-01/14



Code	Size	Max Board Thickness	Box	Carton
CDWFZ25	3.5 x 25 mm	15 mm	1,000	10,000
CDWFZ32	3.5 x 32 mm	22 mm	1,000	10,000
CDWFZ35	3.5 x 35 mm	25 mm	1,000	10,000
CDWFZ38	3.5 x 38 mm	28 mm	1,000	10,000
CDWFZ42	3.5 x 42 mm	32 mm	1,000	10,000
CDWFZ45	3.5 x 45 mm	35 mm	1,000	10,000
CDWFZ50	3.5 x 50 mm	40 mm	1,000	10,000
CDWFZ55	3.5 x 55 mm	45 mm	1,000	10,000
CDWFZ75	4.2 x 75 mm	65 mm	500	5,000

FINE THREAD COLLATED DRYWALL SCREWS

Fine Thread Collated Drywall Screws (Black Phosphate)



2008 = 01DW-01/14

✓ Black Phosphate Coating

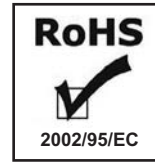


Designed for:	Fixing plasterboard to metal studs of 0.5mm - 0.9mm
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Sharp
Thread form:	Twin
Coating:	Black Phosphate
Shank material:	Carbon steel
Material grade:	AISI C1022
Effective thread length:	Fully threaded

- ✓ Double pre-sorted screws ensure 100% usability and no wasted screws
- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Thread configuration ensures clean, smooth, low torque installation for maximum holding power
- ✓ Manufactured from C1022 grade steel (premium quality)
- ✓ Super sharp point dimples steel at point of contact providing wobble-free and therefore quicker installation.



Fine Thread Collated Drywall Screws (Black Phosphate)



2008 = 01DW-01/14

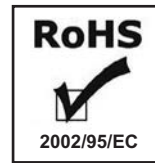


Code	Size	Box	Carton
CDWFP25	3.5 x 25 mm	1,000	10,000
CDWFP32	3.5 x 32 mm	1,000	10,000
CDWFP35	3.5 x 35 mm	1,000	10,000
CDWFP42	3.5 x 42 mm	1,000	10,000
CDWFP45	3.5 x 45 mm	1,000	10,000
CDWFP50	3.5 x 50 mm	1,000	10,000
CDWFP55	3.5 x 55 mm	1,000	10,000
CDWFP3955	3.9 x 55 mm	1,000	10,000

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

Coarse Thread Collated Drywall Screws (Black Phosphate)



2008 = 01DW-01/14

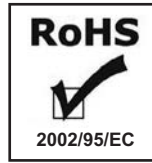
✓ Black Phosphate Coating



Designed for:	Fixing plasterboard to timber
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Sharp
Thread form:	Single
Coating:	Black phosphate
Shank material:	Carbon steel
Material grade:	AISI C1022

- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Double pre-sorted screws ensure 100% usability and no wasted screws
- ✓ Coarse thread screws have nine threads per inch to give greater 'grab' in timber, as opposed to standard drywall screws which have seventeen threads per inch
- ✓ C1018/22 steel with 48 hour salt spray tested black phosphate coating
- ✓ Deeper thread diameter of 3.65 - 3.85mm to give greater hold in timber
- ✓ Super sharp 'S' point provides wobble free and therefore quicker installation

Coarse Thread Collated Drywall Screws (Black Phosphate)



2008 = 01DW-01/14



Code	Size	Box	Carton
CDWCP25	3.5 x 25 mm	1,000	10,000
CDWCP32	3.5 x 32 mm	1,000	10,000
CDWCP35	3.5 x 35 mm	1,000	10,000
CDWCP38	3.5 x 38 mm	1,000	10,000
CDWCP42	3.5 x 42 mm	1,000	10,000
CDWCP45	3.5 x 45 mm	1,000	10,000
CDWCP50	3.5 x 50 mm	1,000	10,000
CDWCP55	3.5 x 55 mm	1,000	10,000
CDWCP65	4.2 x 65 mm	500	5,000
CDWCP75	4.2 x 75 mm	500	5,000
CDWCP3925	3.9 x 25 mm	1,000	10,000
CDWCP3930	3.9 x 30 mm	1,000	10,000
CDWCP3935	3.9 x 35 mm	1,000	10,000
CDWCP3941	3.9 x 41 mm	1,000	10,000
CDWCP3945	3.9 x 45 mm	1,000	10,000
CDWCP3955	3.9 x 55 mm	1,000	10,000

IMPORTANT APPLICATION ADVICE

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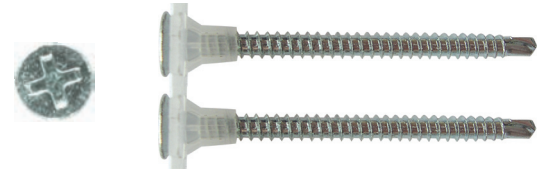
DRYWALL

Self-Drill Collated Drywall Screws



2008 = 01DW-01/14

- ✓ Zinc Coating
- ✓ Black Phosphate

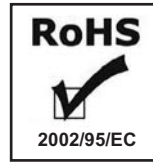


Designed for:	Fixing plasterboard to heavier gauge drywall track (up to 2.5mm)
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Tek 2
Thread form:	Single thread, fine
Coating:	Electroplated zinc / Black Phosphate
Shank material:	Carbon steel
Material grade:	AISI C1022
Fire tested:	Yes, to EN1364-1
Effective thread length:	Fully threaded

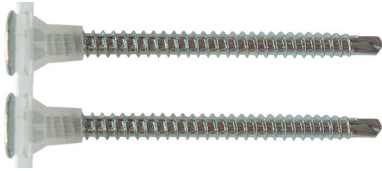
- ✓ Bugle head design for application versatility gives a flush countersink with no paper tearing
- ✓ Double pre-sorted screws ensure 100% usability and no wasted screws
- ✓ Thread configuration ensures clean, smooth, low torque installation for maximum holding power
- ✓ Manufactured from C1022 or C1018 grade steel (premium quality) with bright zinc plating to 3µm
- ✓ #2 drill point recommended for use on metal section up to 2.5mm. Faster and more consistent drilling times



Self-Drill Collated Drywall Screws



2008 = 01DW-01/14

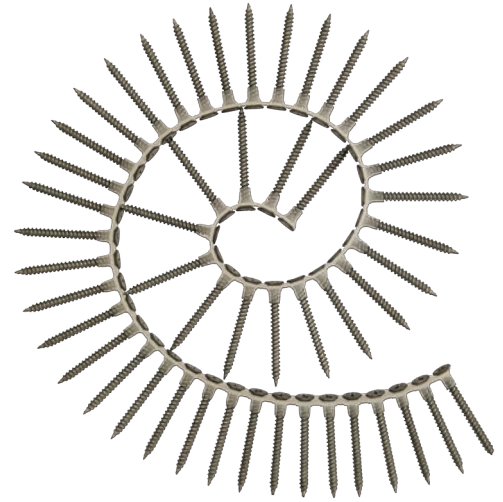


Code	Size	Max Board Thickness	Box	Carton	Coating
CDWFDZ25	3.5 x 25.0mm	15 mm	1,000	10,000	Zinc
CDWFDZ35	3.5 x 35.0mm	20 mm	1,000	10,000	Zinc
CDWFDZ45	3.5 x 45.0mm	30 mm	1,000	10,000	Zinc
CDWFDZ50	3.5 x 50.0mm	35 mm	1,000	10,000	Zinc
CDWSDP3525	3.5 x 25.0mm	15 mm	1,000	10,000	Black Phosphate
CDWSDP3535	3.5 x 35.0mm	20 mm	1,000	10,000	Black Phosphate
CDWSDP3545	3.5 x 45.0mm	30 mm	1,000	10,000	Black Phosphate

Collated Exterior Board Screws



Designed For:	Collated exterior drywall screws designed for exterior use
Head style:	Bugle
Point style:	Sharp
Thread form:	Fine thread
Coating:	1,000 hour Evolshield
Material grade:	SAE C1022 low carbon steel (hardened min. 55 HRC)



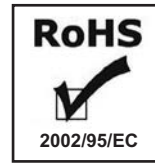
- ✓ Labour saving
- ✓ Quickest way to fasten exterior boards
- ✓ 1,000hr Evoshield® coating guarantees superior corrosion resistance
- ✓ Super consistent fastening

Collated Exterior Board Screws



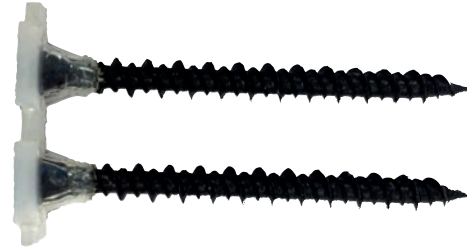
Code	Size	Box	Carton
CWAS45	3.9 x 45.0mm	1,000	10,000
CWASD45	3.9 x 45.0mm	1,000	10,000

Collated Tough Board Screws



2008 & A1: 2009

✓ Black Phosphate Coating



Designed for:	Fixing dense and hard boards to track or timber substrates
Head style:	Reduced cross section countersunk head with undercut nibs
Drive bit:	Phillips No. 2
Thread form:	Twin hi-lo thread
Fastener material:	Hardened carbon steel (AISI C1022)
Coating information:	Black phosphate (approx 48 hours NSST)

- ✓ Evolution collated Tough Board Screws are designed for use in an interior setting and in a dry environment. They are intended for fixing sheet materials harder than plasterboard, ie dense plasterboards and also to fix wood fibre boards to timber battens and steel up to 0.8mm thick
- ✓ 19mm version ideal for fitting ply to flooring before tiling
- ✓ As per all collated screws, Evolution High Low Thread provides superior pull down performance in timber and light track applications. Self countersinking reduced width head, PH2 recess to enable use with standard drywall tooling

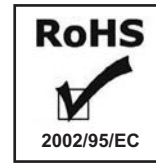
Code	Size	Box	Carton
CDWFCP3919	3.9 x 19.0 mm	1,000	10,000
CDWFCP3930	3.9 x 30.0 mm	1,000	10,000
CDWFCP3945	3.9 x 45.0 mm	1,000	10,000

IMPORTANT APPLICATION ADVICE

On rare occasions black phosphate screw coatings can react with some render types, which can damage the coating resulting in corrosion and staining. To reduce the risk of this happening Evolution recommends sealing the drywall screw heads with a PVA bonding solution before render is applied.

WOODMASTER RANGE

Collated Flooring Screws



✓ Yellow passivated



Designed for: Fixing flooring materials to timber.
Drive bit: Square
Fastener material: Hardened carbon steel (AISI C1022)
Coating information: Yellow passivated

- ✓ Evolution collation consistency eliminates jamming.
- ✓ Evolution 'split' threadform design prevents 'jacking' of the material being fixed down.
- ✓ Self-countersinking nibs under the head of the screw ensure a flush finish in all materials.
- ✓ Square drive ensures positive driving and reduces bit wear.
- ✓ Super strong packaging designed for easy stock taking, less damage and wastage on site.

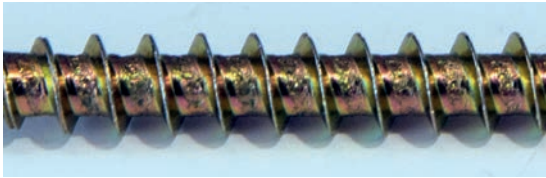
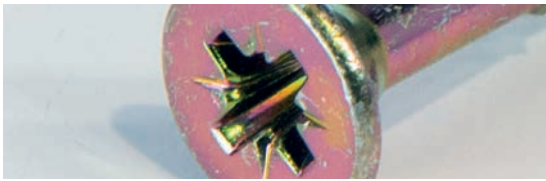
Code	Size	Box	Carton
CFSCYS55	4.2 x 55.0 mm	1,000	10,000

WOODMASTER RANGE

Woodmaster Pozi Drive Super Cutter Screws



FOR UNIVERSAL USE WHEN FASTENING TO WOOD, CHIPBOARD, MDF, PLASTIC, OSB AND COMPOSITES



Double countersunk head:

- ▶ Improves neck strength reducing head shearing in high torque applications

Countersinking nibs:

- ▶ Enables smooth self-countersinking in both timber and sheet material applications
- ▶ The nibs cut the wood surface, trimming from the edge of the drilled hole
- ▶ The screw is driven home flush to the wood surface every time

Reamer shank:

- ▶ This helically fluted milling thread clears drilling debris and reduces driving torque

High quality aggressive threadform:

- ▶ Improves penetration and reduces driving torque

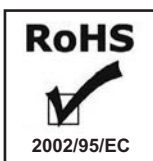
Deep precision formed pozi recess:

- ▶ Allows greater torque to be applied and decreases the likelihood of "camming out"

Type 17 cutting point:

- ▶ Aids penetration and eliminates the need to pre-drill in almost all timbers and composites.
- ▶ Special long sharp point fluted to capture chips
- ▶ Eliminates splitting even when close to the edge of the timber
- ▶ No pre-drilling required in most hard woods*
- ▶ Screw point takes immediate hold

Also available in torx drive versions for extra drive stability - see p. 94



These Evolution Screws are CE marked and comply with EN 14592: 2009 & A1: 2012.

*Particularly dense woods may need pilot hole.

WOODMASTER RANGE

Code	Size	Box	Carton	Milling Thread
WS3516	3.5 x 16mm	200	15,200	
WS3520	3.5 x 20mm	200	15,200	
WS3525	3.5 x 25mm	200	15,200	
WS3530	3.5 x 30mm	200	15,200	
WS3535	3.5 x 35mm	200	9,600	
WS3540	3.5 x 40mm	200	6,400	
WS3550	3.5 x 50mm	200	6,400	
WS4020	4.0 x 20mm	200	6,400	
WS4025	4.0 x 25mm	200	15,200	
WS4030	4.0 x 30mm	200	9,600	
WS4035	4.0 x 35mm	200	4,800	
WS4040	4.0 x 40mm	200	6,400	
WS4045	4.0 x 45mm	200	6,400	
WS4050	4.0 x 50mm	200	6,400	
WS4060	4.0 x 60mm	200	4,800	✓
WS4070	4.0 x 70mm	200	4,800	✓
WS4080	4.0 x 80mm	200	6,400	✓
WS5030	5.0 x 30mm	200	6,400	
WS5040	5.0 x 40mm	200	4,800	
WS5050	5.0 x 50mm	200	4,800	
WS5060	5.0 x 60mm	200	3,200	✓
WS5070	5.0 x 70mm	200	3,200	✓
WS5075	5.0 x 75mm	200	3,200	✓
WS5080	5.0 x 80mm	200	3,200	✓
WS5090	5.0 x 90mm	200	3,200	✓
WS50100	5.0 x 100mm	100	2,400	✓
WS6050	6.0 x 50mm	200	3,200	
WS6060	6.0 x 60mm	200	2,400	✓
WS6070	6.0 x 70mm	200	2,400	✓
WS6080	6.0 x 80mm	200	2,400	✓
WS60100	6.0 x 100mm	100	2,400	✓
WS60120	6.0 x 120mm	100	1,600	✓
WS60150	6.0 x 150mm	100	1,200	✓
WS60180	60 x 180mm	100	800	✓
WS60200	60 x 200mm	100	800	✓

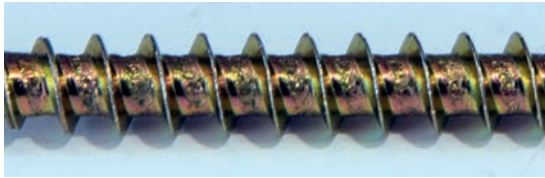
WOODMASTER SUPER CUTTER SCREWS

WOODMASTER RANGE

Woodmaster Torx Head Super Cutter Screws



FOR UNIVERSAL USE WHEN FASTENING TO WOOD, CHIPBOARD, MDF, PLASTIC, OSB AND COMPOSITES



Double countersunk head:

- ▶ Improves neck strength reducing head shearing in high torque applications

Countersinking nibs:

- ▶ Enables smooth self-countersinking in both timber and sheet material applications
- ▶ The nibs cut the wood surface, trimming from the edge of the drilled hole
- ▶ The screw is driven home flush to the wood surface every time

Reamer shank:

- ▶ The helically fluted milling thread clears drilling debris and reduces driving torque

High quality aggressive threadform:

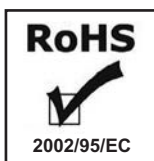
- ▶ Improves penetration and reduces driving torque

Deep precision formed recess:

- ▶ Allows greater torque to be applied and decreases the likelihood of "camming out"

Type 17 cutting point:

- ▶ Aids penetration and eliminates the need to pre-drill in almost all timbers and composites.
- ▶ Special long sharp point fluted to capture chips
- ▶ Eliminates splitting even when close to the edge of the timber
- ▶ No pre-drilling required in most hard woods*
- ▶ Screw point takes immediate hold



These Evolution Screws are CE marked and comply with EN 14592: 2009 & A1: 2012.

*Particularly dense woods may need pilot hole.

WOODMASTER RANGE

Code	Size	Box	Carton	Milling Thread	Drive Type
WST3516	3.5 x 16mm	200	15,200		T15
WST3520	3.5 x 20mm	200	15,200		T15
WST3525	3.5 x 25mm	200	15,200		T15
WST3530	3.5 x 30mm	200	15,200		T15
WST3535	3.5 x 35mm	200	9,600		T15
WST3540	3.5 x 40mm	200	6,400		T15
WST3550	3.5 x 50mm	200	6,400		T15
WST4020	4.0 x 20mm	200	15,200		T20
WST4025	4.0 x 25mm	200	15,200		T20
WST4030	4.0 x 30mm	200	9,600		T20
WST4035	4.0 x 35mm	200	9,600		T20
WST4040	4.0 x 40mm	200	6,400		T20
WST4050	4.0 x 50mm	200	6,400		T20
WST4060	4.0 x 60mm	200	4,800		T20
WST4070	4.0 x 70mm	200	6,400		T20
WST4550	4.5 x 50mm	200	4,800	✓	T25
WST4560	4.5 x 60mm	200	4,800	✓	T25
WST4570	4.5 x 70mm	200	4,800	✓	T25
WST4580	4.5 x 80mm	200	4,800	✓	T25
WST5030	5.0 x 30mm	200	4,800		T25
WST5040	5.0 x 40mm	200	4,800		T25
WST5050	5.0 x 50mm	200	4,800		T25
WST5060	5.0 x 60mm	200	3,200	✓	T25
WST5070	5.0 x 70mm	200	3,200	✓	T25
WST5075	5.0 x 75mm	200	3,200	✓	T25
WST5080	5.0 x 80mm	200	3,200	✓	T25
WST5090	5.0 x 90mm	200	3,200	✓	T25
WST50100	5.0 x 100mm	100	2,400	✓	T25
WST6050	6.0 x 50mm	200	2,400	✓	T30
WST6080	6.0 x 80mm	200	2,400	✓	T30
WST6090	6.0 x 90mm	200	2,400	✓	T30
WST60100	6.0 x 100mm	100	2,400	✓	T30
WST60120	6.0 x 120mm	100	1,600	✓	T30
WST60150	6.0 x 150mm	100	1,200	✓	T30
WST60200	60 x 200mm	100	800	✓	T30

MILLING THREAD WOODMASTER SUPER CUTTER SCREWS

WOODMASTER RANGE

A4 Woodmaster Super Cutter Screws



✓ A4 grade Stainless Steel

FOR UNIVERSAL USE WHEN FASTENING TO WOOD, CHIPBOARD, MDF, PLASTIC, OSB AND COMPOSITES



Double countersunk head:

- ▶ Improves neck strength reducing head shearing in high torque applications

Countersinking nibs:

- ▶ Enables smooth self-countersinking in both timber and sheet material applications
- ▶ The nibs cut the wood surface, trimming from the edge of the drilled hole
- ▶ The screw is driven home flush to the wood surface every time

Reamer shank:

- ▶ The helically fluted milling thread clears drilling debris and reduces driving torque

High quality aggressive threadform:

- ▶ Improves penetration and reduces driving torque

Deep precision formed recess:

- ▶ Allows greater torque to be applied and decreases the likelihood of "camming out"

Type 17 cutting point:

- ▶ Aids penetration and eliminates the need to pre-drill in almost all timbers and composites.
- ▶ Special long sharp point fluted to capture chips
- ▶ Eliminates splitting even when close to the edge of the timber
- ▶ No pre-drilling required in most hard woods*
- ▶ Screw point takes immediate hold

A4 Woodmaster Super Cutter Screws



Code	Size	Box	Carton	Milling Thread
A4WS4040	4.0 x 40mm	200	6,400	
A4WS4050	4.0 x 50mm	200	6,400	
A4WS4070	4.0 x 70mm	200	4,800	✓
A4WS5040	5.0 x 40mm	200	4,800	
A4WS5050	5.0 x 50mm	200	4,800	
A4WS5060	5.0 x 60mm	200	3,200	✓
A4WS5070	5.0 x 70mm	200	3,200	✓
A4WS5090	5.0 x 90mm	200	3,200	✓
A4WS50100	5.0 x 100mm	100	2,400	✓
A4WS60100	6.0 x 100mm	100	2,400	✓
A4WS60120	6.0 x 120mm	100	1,600	✓

✓ A4 grade Stainless Steel

WOODMASTER RANGE

Woodmaster Decking Screws



Evoshield Coating



A4 Bi-metal

DESIGNED FOR FIXING TIMBER DECKING AND FENCING

Flat head, c/w reaming nibs:

- ▶ Gives a flush, clean, attractive countersink that locks the screw in tight

Proprietary corrosion-resistant 1,000 hour rated green Evoshield™ coating:

- ▶ For all weather outdoor applications, from patios, fencing, decks, walkways etc.
- ▶ Resistant to salt, acid, alkali, corrosive gas, cathodic corrosion
- ▶ High thermal resistance
- ▶ Hydrogen embrittlement resistant

Stainless steel variant:

- ▶ For use in aggressively treated timbers or hardwoods with high tannin content

Deep coarse thread configuration:

- ▶ Ensures low-torque installation, with exceptional draw down, for maximum holding power

Stick-fit, square socket recess:

- ▶ Reduces dropped or misaligned screws, providing fast, efficient fastening

Type 17 cutting point:

- ▶ Grabs on contact, provides rapid advancement and means there is no need to pre-drill*
- ▶ Delivers power tapping capability in all woods and new generation wood composites



These Evolution Screws are CE marked and comply with EN 14592: 2009 & A1: 2012.

*Particularly dense woods may need pilot hole.

WOODMASTER RANGE

Decking Screws

✓ Evoshield Coating

Code	Size	Box	Carton	Drive
DSFHC50	4.2 x 50mm	200	6,000	Square
DSFHC63	4.2 x 63mm	200	6,000	Square
DSFHC75	4.2 x 75mm	200	3,200	Square

Stainless Steel A4 Decking Screws

✓ A4 grade Stainless Steel

Code	Size	Box	Carton	Drive
DS-A4-50	4.2 x 50mm	200	6,000	Square
DS-A4-63	4.2 x 63mm	200	6,000	Square
DS-A4-75	4.2 x 75mm	200	3,200	Square



WOODMASTER RANGE

Woodmaster Structural Decking Screws



1000Hr Salt Spray Rated, ACQ compatible anti-corrosion coating:

- ▶ To stand up to the rigours of UK weathering

Aggressive coarse thread:

- ▶ Ensures highest possible withdrawal resistance

Type 17 cutting point:

- ▶ Grabs on contact, provides rapid advancement and means there is no need to pre-drill*
- ▶ Delivers power tapping capability in all woods and new generation wood composites



These Evolution Screws are CE marked and comply with EN 14592: 2009 & A1: 2012.

*Particularly dense woods may need pilot hole.

WOODMASTER RANGE

Structural Decking Screws

✓ Evoshield Coating

Code	Size	Box	Carton
SDSFHC75	6.3 x 75mm	100	1,200
SDSFHC90	6.3 x 90mm	100	1,200
SDSFHC100	6.3 x 100mm	100	1,200
SDSFHC125	6.3 x 125mm	100	1,000
SDSFHC150	6.3 x 150mm	100	1,000
SDSFHC200	6.3 x 200mm	50	400
SDSFHC250	6.3 x 250mm	50	900
SDSFHC300	6.3 x 300mm	50	300
SDSFHC350	6.3 x 350mm	50	150
SDSFHC400	6.3 x 400mm	50	150

STRUCTURAL DECKING SCREWS

Big Beam Yellow Zinc Passivated Woodscrews



Designed For: Fixing structural timber components
Material: Carbon steel
Material grade: SAE C1022
Coating: Yellow Zinc Passivated



- ✓ Overlapping Flange Washer head gives advantage of better tightening of connections and higher supporting forces
- ✓ Type 17 cutting point considerably reduces screw-in torque and mitigates against timber splitting,
- ✓ Partial threading allows for firm tightening of the upper fixture layer
- ✓ Torx recess provides secure grip, reduces cam-out effect and provides optimal force transmission

Big Beam Yellow Zinc Passivated Woodscrews



Code	Size	Box	Carton
BB880	8.0 x 80mm	100	800
BB8100	8.0 x 100mm	50	600
BB8120	8.0 x 120mm	50	600
BB8140	8.0 x 140mm	50	400
BB8160	8.0 x 160mm	50	400
BB8180	8.0 x 180mm	50	400
BB8200	8.0 x 200mm	50	400
BB8220	8.0 x 220mm	50	400
BB8240	8.0 x 240mm	50	300
BB8260	8.0 x 260mm	50	300
BB8280	8.0 x 280mm	50	300
BB8300	8.0 x 300mm	50	300

✓ T40 bit included with every box

Vertical Flange Clips

Designed For: Fixing lighting or suspended wire to steel profiles, cable to steel purlins or suspended ceilings to steel profiles

Material: Carbon steel

Material Grade: AISI C1022

Coating: Yellow Zinc Passivated



- ✓ Fast, easy installation
- ✓ Series of strong barbs grip the flange
- ✓ Sprung steel
- ✓ High strength
- ✓ Yellow zinc passivated

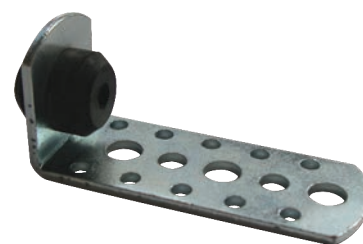
Code	Size	Box	Carton
VFC43	19 x 43mm	100	1,800

Acoustic Brackets

Designed For: Use with timber joist ceilings, floors and ceiling systems for increased acoustic performance

Colour: Silver Grey

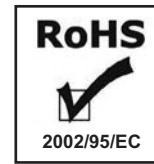
Coating: Electroplated Zinc



- ✓ Tough hangers used with timber joist ceilings/floors and ceiling systems for increased acoustic performance

Code	Size	Box	Carton
EVAB1	70mm	100	200
EVAB35	35mm	100	400

Rigid Steel Ceiling Cleat



Designed For: For use when hanging angle or components in suspended ceiling applications

Code	Size	Box
CB1	25 x 25mm	100

Washers

Designed For: Use with Evolution tek screws for application versatility

Material: Galvanized steel

- ✓ AISI 316/ Euro A4 Stainless steel washers for use in conjunction with Evolution screws,
- ✓ 5mm diameter clearance hole - accepts up to 6.3mm diameter screws,
- ✓ 3mm EPDM (Ethylene Propylene Diene Monomer) vulcanised rubber sealant ring for weather-proofing.



Code	Size	Material	Box	Carton
BW16	16 x 3mm	Galvanized steel	1,000	12,000
BW19	19 x 3mm	Galvanized steel	1,000	7,000
SS16	16 x 3mm	AISI 316/ Euro A4 Stainless steel	100	4,000

Bit Holders

Drive bit: Hex



- ✓ Magnetic Bit Holder

Code	Size	Box
MB1060	10 x 60mm	1

Drive Kits

- ✓ Drive Sleeve
- ✓ PH2 bit
- ✓ Allen Key
- ✓ 7mm & 8mm Hex Drive sockets
- ✓ "D" end bit holder 6mm
- ✓ PH3 bit
- ✓ Magnetic bit holder



Code	Box
ED1000	1

Magnetic Nut Setter

- ✓ Extended Magnetic Drive Socket



Code	Size	Box
MS5/16	5/16" x 45mm	1
MES5/16	5/16" x 65mm	1

Universal Drive Bits



Code	Description	Size	Box
DSP25	Drywall Screw drive bit	25mm	10
DIBDSP	Drywall Screw drive bit bulk pack	25mm	50
SQD25	#2 Square Drive	25mm	10
T20	Torx Bit S2	T20 x 25mm	10
T25	Torx Bit S2	T25 x 25mm	10
T30	Torx Bit S2	T30 x 25mm	10
PH2M157*	Philips 2 Extended Drywall Bit	5 x 157mm	5
PH2M177*	Philips 2 Extended Drywall Bit	5 x 177mm	5
R2M141*	No 2 Square Extended Bit	5 x 141mm	5
R2M157*	No 2 Square Extended Bit	5 x 157mm	5
PH2150	PH Drill Insert Bit	150mm	1
PH2152	PH Drill Insert Bit	152m	1

* Suitable for use with Makita tooling

ACCESSORIES

PGM® Certified SDS Plus Drill Bits



Designed for: Rapid drilling of holes in masonry
Drive bit: SDS Plus

Premium quality PGM® approved drill bits:

- ✓ Extended life: typically last 33% longer than our standard SDS Plus
- ✓ Higher performance with faster drill speed
- ✓ Each drill is stamped with the PGM® inspection mark
- ✓ Supplied in individual plastic sleeves for easy display



Code	Size	Box
SDSH55110	5.5 x 110mm	50
SDSH55160	5.5 x 160mm	50
SDSH6110	6.0 x 110mm	50
SDSH6160	6.0 x 160mm	50
SDSH6210	6.0 x 210mm	60
SDSH65160	6.5 x 160mm	50
SDSH8160	8.0 x 160mm	50
SDSH8210	8.0 x 210mm	50
SDSH8260	8.0 x 260mm	50
SDSH10210	10.0 x 210mm	50
SDSH10260	10.0 x 260mm	40
SDSH12260	12.0 x 260mm	40
SDSH16260	16.0 x 260mm	30



SDS Plus Drill Bits

Designed for: Rapid drilling of holes in masonry

Drive bit: SDS Plus

- ✓ A high quality, twin fluted SDS+ carbide drill bit for the rapid drilling of holes in masonry
- ✓ Designed for use with 4.8mm and 6.3mm Ø Masonry Screws*
- ✓ Supplied on individual hangers for easy display



Code	Size	Working Length	Hex shank drive	Carton
SDS5110	5.0 x 110 mm	100 mm		100
SDS5160	5.0 x 160 mm	100 mm		50
SDS55110	5.5 x 110 mm	50 mm		100
SDS55160	5.5 x 160 mm	100 mm		100
SDS6110	6.0 x 110 mm	50 mm		50
SDS6160	6.0 x 160 mm	100 mm		50
SDS6210	6.0 x 210 mm	150 mm		50
SDS6260	6.0 x 260 mm	200 mm		50
SDS65110	6.5 x 110 mm	50 mm		50
SDS65160	6.5 x 160 mm	100 mm		50
SDS65210	6.5 x 210 mm	150 mm		50
SDS65260	6.5 x 260 mm	200 mm		50
SDS65310	6.5 x 310 mm	250 mm		50
SDS7160	7.0 x 160 mm	100 mm		50
SDS7260	7.0 x 260 mm	200 mm		40
SDS8110	8.0 x 110 mm	50 mm		50
SDS8160	8.0 x 160 mm	100 mm		50
SDS8210	8.0 x 210 mm	150 mm		50
SDS8260	8.0 x 260 mm	200 mm		50
SDS10160	10.0 x 160 mm	100 mm		40
SDS10210	10.0 x 210 mm	150 mm		40
SDS10260	10.0 x 260 mm	200 mm		40
SDS10460	10.0 x 460 mm	400 mm		20
SDS12160	12.0 x 160 mm	100 mm		50
SDS12210	12.0 x 210 mm	150 mm		50
SDS12260	12.0 x 260 mm	200 mm		35
SDS12460	12.0 x 460 mm	400 mm		15
SDS14260	14.0 x 260 mm	200 mm		30
SDS14460	14.0 x 460 mm	400 mm		15
SDS16260	16.0 x 260 mm	200 mm		25
SDS16460	16.0 x 460 mm	400 mm		8
SDS18260	18.0 x 260 mm	200 mm		20
SDS18460	18.0 x 460 mm	400 mm		8
SDS20260	20.0 x 260 mm	200 mm		15
SDS20460	20.0 x 460 mm	40 mm		5
SDS435180*	4.35 x 180 mm	100 mm	✓	50
SDS515180*	5.15 x 180 mm	100 mm	✓	50
SDS515205*	5.15 x 205 mm	125 mm	✓	50

Intumescent and Acoustic Acrylic Sealant



Designed for: Joint Filling where Fire protection and acoustic index are an issue.



Fire tested: Yes, up to 4 hours

Colour: White

- ✓ Evolution intumescent and acoustic sealant is a one part emulsion designed to resist the passage of both fire and sound. In normal use the sealant remains flexible enough to retain the sound reduction index of a structure. In the event of fire it will intumesce and form a char, sealing the gap for up to 4 hours

Code	Size	Acoustic Rating (Double Seal)	Acoustic Rating (Single Seal)	Box
EVIA310	310 ml	up to 48 dB	up to 46 dB	25 tubes
EVIA900	900 ml	up to 48 dB	up to 46 dB	12 tubes

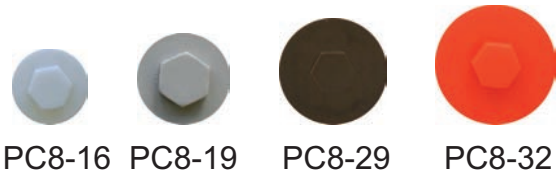
Joint Size	Linear Metres Per Cartridge
6 x 10mm	5.2
10 x 10mm	3.1
15 x 15mm	1.4
20 x 15mm	1.0
30 x 15mm	0.7

Properties	
Fire Rating	Up to 4 hours
Acoustic Rating (Double Seal)	Up to 48dB
Acoustic Rating (Single Seal)	Up to 46dB
Movement	Up to 20% of original joint size
Colour	White
Slump	Nil up to 20mm
Overpaintable	When fully cured
Weatherability	Water and UV resistant when fully cured
Drying Time	Tack free in 15 minutes
Cure Time	1.5mm per 24 hours



ACCESSORIES

Tek Colour Caps

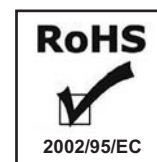


Code	Size	Box	Carton
PC8-16	16mm UV Protected Colour Cap	1,000	10,000
PC8-19	19mm UV Protected Colour Cap	1,000	10,000
PC8-29	29mm UV Protected Colour Cap	1,000	10,000
PC8-32	32mm UV Protected Colour Cap	1,000	10,000

Colour Chart							
Black		Meadowland		Britannia		Moss Green	
White		Moorland Green		Cornflower		Prologis Green	
Terracotta		Olive Green		Brown Beige		Glen Green	
Petra		Juniper Green		White Oyster		Pale Peppermint	
Poppy Red		Sage		Ivory		Squirrel	
Tangerine		Jade		Flame Red		Slate Grey	
Beige		Pinewood		Rubine		Anthracite	
Vandyke Brown		Eau de Nil		Burano		Oyster	
Bamboo		Verona		Ultra Marine		Dusty Grey	
Saffron		Albatross		Sargasso		Quartz	
Goosewing Grey		Merlin Grey		Gentian Blue		Pale Brown	
Mushroom		Raven/ Slate Blue		Mountain		Hamlet	
Svelte Grey		Wedgewood Blue		Bahama/ Sky		White (Creamy)	
Honesty		Ocean Blue		Caprice		White Alum	
Aztec		Solent Blue		Heritage		Dark Silver	
Pure White		Metallic Silver		Bleu Concorde			

NOTE:
COLOUR CHARTS
ARE FOR
GUIDANCE ONLY.
IF UNFAMILIAR
WITH THE
COLOURS
PLEASE
CONTACT US.

PLEASE CHECK
WITH OUR
CUSTOMER
SERVICE
DEPARTMENT,
SOME SPECIALITY
COLOURS ARE
SUBJECT TO
MINIMUM ORDER
QUANTITIES.



Evoshield®



What is Evoshield®?

Evoshield® is our trademarked fastener coating. It is a non-organic, tri-layered ceramic surface coating developed to attain optimum performance in the various pollutive and atmospheric conditions that cause corrosion.

Layer 1: metallic zinc

Layer 2: ceramic layer

Layer 3: resin layer

The distinguishing feature of Evoshield® is the tight joining of the baked resin layer and the ceramic layer thanks to the cross-linking effect. These layers are bonded together with the metallic zinc layer through chemical reactions, and this unique method of combining layers results in a rigid and dense combination of the coating films. Evoshield® treatment does not attribute its anti-corrosion properties to merely a single material, but the synergy of these three layers, which combined have superb rustproof qualities.

Compatible with metal coated and painted surfaces, fasteners coated with Evoshield® are resistant to acid and alkaline attack, galvanic corrosion and hydrogen embrittlement. These fasteners conform to corrosive gas test standard (Kesternich) DIN50018 and give a salt spray fog test to exceed (JISZ2731) 1,000 hours (ASTM B117).

Benefits of Evoshield®

- ✓ Available with 500hr/1,000hr hour salt spray rating (please refer to the relevant datasheet for details of the salt spray rating of a specific product or call or email us)
- ✓ Superior corrosion resistance. Excellent against gas, weathering and other corrosive factors including salt water
- ✓ Resistant to acid and alkaline attack, galvanic corrosion and hydrogen embrittlement
- ✓ Corrosion resistance against scratches. Composite layers minimise the effect of scratches on the protection coating
- ✓ Electrolytic corrosion resistance. Less contact corrosion with other metals
- ✓ Low process temperature. The drying temperature below 200°C protects the products from metallographic changes
- ✓ Paintable
- ✓ Available in a variety of colours



Silver Evoshield®



Blue Evoshield®



Grey Evoshield®



Green Evoshield®

Zinc

Evolution Fasteners utilises specialist zinc coatings in the protection of our products. Our electroplated zinc coatings are designed to give sacrificial protection to the fasteners in an electrogalvanic corrosion scenario as well as resistance to corrosion (tested to BS EN ISO 9227: 2012).

In addition to pure zinc coatings, we use specialist coatings such as zinc with yellow di-chromate passivation to give additional resistance to corrosion and chemical attack.



Stainless Steel

Evolution Fasteners use 300 series austenitic stainless steels in our fasteners where the ultimate in corrosion resistance is demanded by the application. These screws are constructed from SAE 304 (Euro Class A2) stainless steel and SAE 316 (Euro Class A4).



TESTING

Evolution Fasteners test all of our screws and coatings to the highest possible standards in our own in-house testing laboratory.

Our primary method is through Neutral Salt Spray Testing to BS EN ISO 9227: 2012 but we also subject our coatings to testing in acid, alkalis, solvents and organics to ensure that the coatings we supply are of premium quality.

CE MARKING



On the 1st of July 2013, European Regulation No. 305/2011 (commonly referred to as the Construction Products Regulations) came into full force. It completely repealed European Directive 89/106/EEC (commonly referred to as the Construction Products Directive).

Unlike the Directive, the Regulation will be legally mandated across all Member States of the European Union.

There are legal requirements placed upon Manufacturers, Importers and Distributors of construction products.

Most notably is the requirement to CE mark products.

CE Marking is only required on a product which falls within the scope of a Harmonised European Standard (EN). A list of such standards is maintained on the EU-LEX (the European Commissions' website) and in the OJEU (Official Journal of the European Union).

Where there is such a harmonised standard, the product **must** undergo both ITT (Initial Type Testing) and FPC (Factory Production Control); which can take the form of an audited Quality Management System (such as ISO 9001: 2009) so long as it takes into consideration manufacturing, quality and technical considerations unique to the product being CE marked.

The steps and requirements for ITT and FPC are outlined in the EN which covers the product. As such, the requirements change for every individual product.

Other products that do not require **mandatory CE marking under an EN** may still be adorned with the CE mark. This route is by ETA (European Technical Assessment), which can be derived by testing and documentation to either an ETAG (European Technical Assessment Guideline) or CUAP (Common Understanding of Assessment Procedure). In either case, the testing must be performed by an accredited laboratory and the documentation must be drawn up and ratified by EOTA (European Organisation for Technical Approvals) via a Notified Body.

Whether a product is being CE marked by an EN or ETA, the end document which allows the CE mark to be adorned is known as the DoP (Declaration of Performance). This document details critical compliance, conformity and performance information and is the manufacturers' own legal declaration document.





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evolution



TESTING & ANALYTICAL SERVICES

Evolution Fasteners operate a UKAS accredited, state-of-the-art mechanical testing laboratory. We can provide a wide array of testing solutions to clients in the aerospace, automotive, construction, defense, engineering, manufacturing, petrochemical and pharmaceutical industries.

We have a talented team of Civil, Structural and Chemical Engineers to provide the very best technical advice & support as well as the most economical and reliable testing solutions and plans.

A brief list of our most sought after services are:

- ▶ Tensile, shear, fatigue and deflection testing,
- ▶ Torque testing,
- ▶ Metallography (hardness - vickers/ knoops/ rockwell, decarburisation, HAZ, etc),
- ▶ Microscopy (light, metallographic and Scanning Electron Microscopy),
- ▶ Corrosion testing (neutral salt spray, cyclic corrosion testing, acidic exposure, etc),
- ▶ Chemical composition (XRF, FTIR and UV-Vis spectrometry and chemical analysis),
- ▶ Failure analysis (hydrogen embrittlement, stress corrosion cracking, etc).

**Please call us on (0141) 647 7100
or visit our website (www.etasuk.com)
for more information.**

SPECTROMETRY



Evolution Fasteners (UK) Ltd utilize the most modern and advanced spectroscopy techniques available at the cutting edge of science to determine the elemental composition of various metallic alloys, powders, liquids and polymers used in construction products as well as being applicable in other sectors such as Defence, Automotive, Aerospace and Pharmaceuticals.



We utilise the cutting edge in Optical Emission Spectroscopy (OES), X-Ray Fluorescence Spectroscopy (XRF), Ultra-Violet Spectroscopy (UV-Vis) and Fourier Transform Infrared Spectroscopy (FTIR) to provide accurate elemental quantification and Positive Material Identification (PMI).

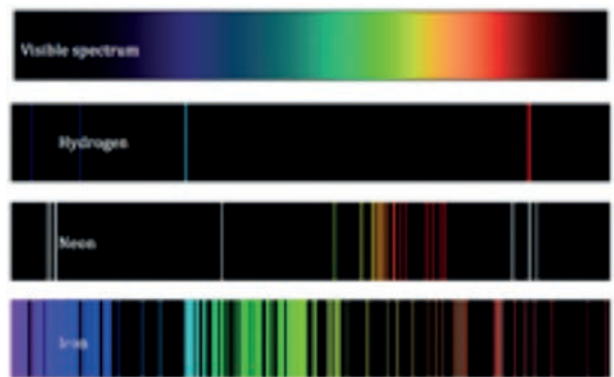
The principal scientific basis of our techniques is Atomic Emission Spectroscopy (AES) and involves energising the atoms of a sample and using light spectra to determine the elemental composition. In our case we use visible, ultraviolet and infrared light. X-Ray spectra is handled differently.

The absorption and emissions are referred to as atomic spectral lines and are created by the electronic transitions of outer shell electrons as they rise and fall from one electron orbit to another. Separately, atoms have distinct X-Ray spectra that are

attributed to the excitation of inner shell electrons moving to excited states (this is the principal used in XRF spectroscopy).

Atoms of different elements have distinct and unique spectra: this allows the identification and quantification of a sample's elemental composition.

As an example; the unique spectra of Hydrogen, Neon and Iron can be seen here in the form of Fraunhofer lines (emission).



The different implementations of this through OES (Optical Emission), XRF (X-Ray Fluorescence), FTIR (Fourier Transform Infrared) and UV-Vis (Ultraviolet/ Visible light) can excite observe and record certain elements, which is why Evolution utilise the full suite of techniques to account for almost all elements in the periodic tables of elements.

H	He																	He
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	* Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
Fr	Ra	** Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uuq						
		* Lanthanide series																
		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb			
		** Actinide series																
		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No			

SPECTROMETRY

The services offered by Evolution Fasteners (UK) Ltd are the elemental analysis/ composition quantification and/ or positive material identification of:

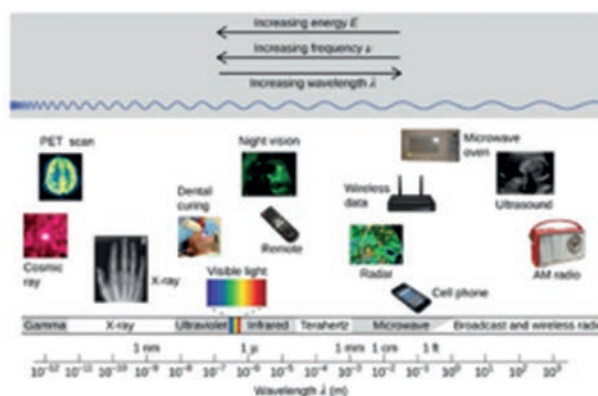
- ▶ Low alloy, free cutting, Cr-Hard/ Ni-Resist, tool and High Mn steels (OES),
- ▶ Cr-Mo, Co, Ti and Ni-Co steels and alloys (XRF),
- ▶ Stainless Steels (OES and/ or XRF),
- ▶ Cast iron (OES),
- ▶ Low alloy, Al-Cu, Al-Mg, Al-Si, Al-Si-Cu and Al-Zn aluminium alloys (OES and XRF),
- ▶ Precious metals (XRF),
- ▶ Polymers and plastics (FTIR for PMI only),
- ▶ Organic and non-organic solids/ liquids (UV-Vis and FTIR for PMI only).

We can also provide RoHS (Restriction of Hazardous Substances) testing:

- ▶ Cd, Cr6+, Hg, Pb and Br in paints, plastics and other materials (XRF Method),
- ▶ Cr6+ specific quantification by liquid (UV-Vis Method).

For more information on this service, and to view all our other services including Material Property Testing, Metrology, Scanning Electron Microscopy, Accelerated Corrosion and Failure Analysis, please visit our dedicated testing website (www.etasuk.com).

Scientific principles are constantly advancing and we are determined to keep up with advancements. As such possible future additions to our service could include Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and Nuclear Magnetic Resonance (NMR) techniques for further analysis as different techniques utilise different energies and wavelengths in the electromagnetic radiation spectrum.





DISPLAY STANDS FOR EVOLUTION PRODUCTS

To assist you in the promotion of **evolution** products, we are happy to provide display stands with initial product orders.

Designed to suit you and your customers' requirements, they will provide a professional image helping to promote sales and improve the use of valuable space.



CALL TO ORDER TODAY!

T: +44 (0)141 647 7100

E: sales@evolutionfasteners.co.uk

www.evolutionfasteners.co.uk

TERMS AND CONDITIONS OF SALE

GENERAL

- (a) All orders placed with Evolution Fasteners UK Limited ("the Company") by the Company's customer ("the Buyer") for the sale and the purchase of goods ("the Goods") are subject to the terms and conditions set out below which shall constitute the contract between the Company and the Buyer ("the Contract"). No modifications or variations to these terms and conditions and no other terms and conditions shall be valid or effective unless expressly accepted in writing by a director of the Company.
(b) Any subsequent orders placed with the Company shall be deemed to be placed subject to these terms and conditions unless expressly agreed otherwise in writing by a Director of the Company.

QUOTATIONS

- A quotation by the Company does not constitute an offer and the Company reserves the right to withdraw or amend the same at any time prior to the Company's acceptance of the Buyer's order. The Buyer's purchase order is binding and the Buyer is responsible for costs arising from any changes of nature to the order.

PRICE

- The price of any goods shall be the Company's list price of the goods prevailing at the date of acceptance of the order by the Company (less any agreed discount).
- Unless otherwise stated all prices are exclusive of V.A.T.
- The Company shall be entitled from time to time to vary list price or list prices without prior notice.

PAYMENT

- Unless otherwise specified in writing by the Company, payment is due on or before the end of the month following that in which the goods were invoiced.
- Failure by the Buyer to pay for any goods on the due date shall entitle the Company:
 - to cancel the balance (if any) of the contract under which the Buyer has failed to pay for the goods and to recover from the Buyer damages for any loss suffered by the Company as a result of such cancellation, and/or
 - to cancel any other contract or the balance of any other contract which the Company may have with the Buyer and to recover from the Buyer damages for any loss suffered by the Company as a result of such cancellation, and/or
 - to charge the Buyer interest at the rate of 2.5% per month calculated on a day-to-day basis on the amount due from the date of invoice to the date of actual payment thereof (both before and after any judgement) such interest to be paid on demand.

ACCOUNTS

- The Company reserves the right to close a credit account at any time without prior notice whereupon the whole of the amount outstanding on such account shall become immediately due and payable in full.

COLLECTION AND DELIVERY

- Where the Company agrees to deliver any goods to the Buyer:
 - The Buyer shall pay the Company's delivery charges therefore at the rate or rates prevailing at the date of acceptance of the order by the Company or at such other rate or rates as may be agreed between the Company and the Buyer prior to the date of acceptance of the order by the Company.
 - Delivery of the goods shall be made to such place or places as agreed between the Company and the Buyer.
 - The Buyer will ensure that there is adequate access to the place of delivery and that there is made available at the place of delivery adequate labour and other facilities in order to enable the goods to be unloaded promptly and safely and the Buyer will indemnify the Company in respect of any losses costs and expenses incurred by the Company as a consequence thereof and (without prejudice to the generality of the foregoing) the Company shall be entitled to charge the Buyer for the storage of the goods whether at the Company's premises or otherwise.
 - If the Buyer shall refuse for any reason whatsoever to accept delivery of the goods the Buyer will indemnify the Company in respect of all losses costs and expenses incurred by the Company as a consequence thereof and (without prejudice to the generality of the foregoing) the Company shall be entitled to charge the Buyer for the storage of the goods whether at the Company's premises or otherwise.
 - The Company shall be entitled to make part deliveries of the goods and for the purposes of these terms and conditions each such part delivery shall be treated as a separate and independent contract for the sale of goods to the Buyer.
- Any times stated for collection or delivery shall be a bona fide estimate only and whilst the Company will use all reasonable endeavours to meet any such times stated the Company shall not be liable for any delay whatsoever caused.
 - Where no times are stated for collection or delivery the Company will use all reasonable endeavours to make the goods available for collection or to deliver the goods (as the case may be) as soon as reasonably practicable.
 - The Company shall be entitled to stop collection by or to withhold delivery to the Buyer of any goods where at the time collection or delivery payment is due to the Company in respect of any goods supplied to the Buyer under any contract whatsoever.

DAMAGE OR LOSS IN TRANSIT

- Where the Company is responsible for delivering the goods to the Buyer the Company will at its option repair or replace free of charge any goods lost or damaged in transit provided that:
 - (save in respect of a total loss or non-delivery of the goods) details of any loss or damage have been marked on the copy of the consignment note or delivery documents signed by the Buyer and advised to the Company within 48 hours of delivery and confirmed in writing to the Company with full particulars within 3 days of delivery, and
 - in respect of a total loss or non-delivery of the goods details are advised to the Company in writing (otherwise than on a consignment note or delivery document) with full particulars within (7 days) of the date of the Company's invoice in respect of the goods.

SHORT DELIVERY

- The Company shall not be responsible for any short delivery unless details thereof are marked on the consignment note or delivery document signed by the Buyer and in the case of loss in transit all the requirements set out in Condition 11(b) above are fulfilled.

STORAGE

- Where the Company has notified the Buyer that the goods are ready for delivery, the Buyer shall take delivery or arrange for storage. If the Buyer does not so take delivery or arrange for storage within 7 days

of notification the Company shall be entitled to invoice and be paid for the goods as though the goods had been duly delivered in accordance with these instructions and the Company may arrange storage either at the Company's own premises or elsewhere on the Buyer's behalf and all charges for storage, insurance and demurrage shall be payable by the Buyer.

DEFECTIVE GOODS

- The Company shall at their option repair or replace any goods which are defective as to materials or workmanship provided that:
 - where any alleged defect is discoverable on an inspection of the goods (whether or not the Buyer shall actually inspect the goods) notification of the alleged defect with full particulars thereof is received by the Company in writing within 7 days of the date of collection or delivery of the goods and in any other case notification of the alleged defect is received by the Company in writing with full particulars thereof within 10 days of the date of collection or delivery of the goods, and
 - the Company is notified in writing with full particulars immediately upon discovery of the alleged defect and is afforded the opportunity of inspecting the goods at the premises of the Buyer or if so required by the Company the Buyer immediately returns the goods to the Company's premises carriage paid (but refundable insofar as the goods are repaired or replaced), and
 - any defect is not due to wear and tear neglect abnormal use misuse or improper adjustment.
 - The Company shall not be liable for transportation or installation charges, for expense of the Buyers for repairs or replacements or for damages for delay or loss of use or other indirect, incidental or consequential damage of any kind.
- (a) As against a person dealing as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 the following provisions apply. The Company is under a legal duty to supply products that are in conformity with its obligations. The box below contains a summary of the Buyer's key legal rights in relation to the Goods. Nothing in these terms will affect the Buyer's legal rights.

Summary of the Buyer's key legal rights

This is a summary of the Buyer's key legal rights. These are subject to certain exceptions. For detailed information please visit the Citizens Advice website www.adviceguide.org.uk or call 03454 04 05 06

The Consumer Rights Act 2015 says the Goods must be as described, fit for purpose and of satisfactory quality. During the expected lifespan of the Goods the Buyer's legal rights entitle the Buyer to the following:

- Up to 30 days: if the Goods are faulty, then the Buyer can obtain an immediate refund.
- Up to 6 months: if the Goods cannot be repaired or replaced, then the Buyer is entitled to a full refund, in most cases.
- Up to 6 years: if the Goods do not last a reasonable length of time the Buyer may be entitled to some money back.

See also *Exercising your right to change your mind (Consumer Contracts Regulations 2013)*.

If the Buyer wishes to exercise its legal rights to reject the Goods the Buyer must either return them in person, or post them back, to the Company. The Company will pay the costs of postage or collection. Please telephone the Company for a return label or to arrange collection. The provisions contained in this condition 15(a) do not affect the Buyer's legal rights in relation to faulty or mis-described products

- As against a person dealing otherwise than as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 the provisions contained in Condition 14 above shall be accepted in substitution for and to the entire exclusion of all conditions and warranties and liabilities whatsoever whether express or implied by statute (save those implied by virtue of Section 12 of the Sale of Goods Act 1979) common law usage or otherwise.
- Save and except as expressly stated in Conditions 14 and 15 above the Company shall not be liable for any defect in the Goods or for any injury or loss resulting from the Goods or any defect therein or from any work done in connection therewith whether such liability is due to the negligence of any servant employee or agent of the Company or otherwise.
 - As against a person dealing otherwise than as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 in the event that the Company shall be liable to repair or replace the Goods, in no circumstances shall the Company's liability extend beyond the cost of repair or replacing the Goods. In any event, notwithstanding anything contained in the contract, as against such person in no circumstances shall the Company be liable in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever and whatsoever the cause thereof.
 - For any increased costs or expenses
 - For any loss or profit, business contracts, revenues or anticipated savings or
 - For any special direct or consequential damage of any nature whatsoever said to have occurred consequent on the supply or the circumstances of the supply of the Goods.

RETURNED GOODS

- Where returned Goods are found to be damaged due to the Buyer's fault the Buyer will be liable for the cost of remedying such damage.
 - The Company will not accept Goods for credit or rectification unless such return has been pre-authorised by the Company, and the Goods are received by the Company in stock condition, with original packaging and the Company retains the right at its sole discretion whether to accept the return of the Goods or whether to rectify the Goods or whether to issue a credit note in respect thereof.
 - The Buyer shall unless otherwise stated be responsible for the cost of outward and return carriage and insurance of all Goods returned by the Buyer to the Company for rectification or credit which Goods shall be at the risk of the Buyer until actual receipt of the Goods by the Company. The onus of proof of safe delivery shall rest with the Buyer.
 - All Goods returned to the Company by prearrangement and found to contain no fault, will be subject to a 30% restocking charge, providing the Goods are in original stock condition. Any downward variation of this restocking charge shall be at the sole discretion of the Company.
 - No credit shall be allowed for Goods until they have been received complete.

FORCE MAJEURE

- (a) The Company shall not be responsible for any loss damage delay or non-performance of any contract arising whether directly or indirectly from any cause outside the control of the Company including (but without prejudice to the generality of the foregoing) any cause arising from or attributable to strike lock-out shortage of labour or materials governmental action civil commotion riots wars sabotage storm flood earthquake drought machinery breakdown failure of plant collapse of

structures voluntary or mandatory compliance with any direction request or order of any person having or appearing to have authority whether for defence or other governmental or national purposes inability to obtain raw materials equipment fuel power components or transportation.

- In the event of any delay or non-performance of any contract arising whether directly or indirectly from any cause referred to in Condition 19(a) above the Company shall be entitled to cancel any contract without payment to the Buyer in respect of any loss or damage or otherwise.

TITLE AND RISK

- The risk in the Goods shall pass to the Buyer on completion of delivery.
- Title to the Goods shall not pass to the Buyer until the earlier of:
 - the Company receiving payment in full (in cash or cleared funds) for the Goods and any other goods that the Company has supplied to the Buyer, in which case title to the Goods shall pass at the time of payment of all such sums; and
 - the Buyer reselling the Goods, in which case title to the Goods shall pass to the Buyer at the time specified in clause 20.4.
- Until title to the Goods has passed to the Buyer, the Buyer shall:
 - store the Goods separately from all other goods held by the Buyer so that they remain readily identifiable as the Company's property;
 - not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
 - maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;
 - notify the Company immediately if it becomes subject to any of the events listed in clause 21; and
 - give the Company such information relating to the Goods as the Company may require from time to time.
- Subject to clause 20.5, the Buyer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Company receives payment for the Goods. However, if the Buyer resells the Goods before that time:
 - it does so as principal and not as the Company's agent; and
 - title to the Goods shall pass from the Company to the Buyer immediately before the time at which resale by the Buyer occurs.
- If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 21, then, without limiting any other right or remedy the Company may have:
 - the Buyer's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
 - The Company may at any time:
 - require the Buyer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into another product; and
 - if the Buyer fails to do so promptly, enter any premises of the Buyer or of any third party where the Goods are stored in order to recover them.
- Each and every sub-clause of this clause shall be deemed to be separate from the remainder of the contract and severable accordingly.

TERMINATION

- Without limiting its other rights or remedies, the Company may terminate this Contract with immediate effect by giving written notice to the Buyer if:
 - the Buyer commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 7 days of that party being notified in writing to do so;
 - the Buyer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;
 - the Buyer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or
 - the Buyer's financial position deteriorates to such an extent that in the Company's opinion the Buyer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.
- Without limiting its other rights or remedies, the Company may suspend provision of the Goods under the Contract or any other contract between the Buyer and the Company if the Buyer becomes subject to any of the events listed in clause 21.1(a) to clause 21.1(d), or the Company reasonably believes that the Buyer is about to become subject to any of them, or if the Buyer fails to pay any amount due under this Contract on the due date for payment.
- Without limiting its other rights or remedies, the Company may terminate the Contract with immediate effect by giving written notice to the Buyer if the Buyer fails to pay any amount due under the Contract on the due date for payment.
- On termination of the Contract for any reason the Buyer shall immediately pay to the Company all of the Company's outstanding unpaid invoices and interest.
- Termination of the Contract shall not affect any of the parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.
- Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

GOVERNING LAW AND JURISDICTION

- The Contract and all contracts between the Company and the Buyer shall in respects be governed by English law and all disputes which may arise out of or in connection with these Conditions or the Contract or any contract between the Company and the Buyer or any Goods supplied or to be supplied under the Contract or any contract shall be subject to the exclusive jurisdiction of the English Courts save that the Company shall be at liberty to bring any legal proceedings against the Buyer in the Courts of any other country which it considers appropriate.
- In the event that the Company shall bring any legal proceedings against the Buyer in connection with these Conditions or the Contract or any contract between the Company and the Buyer or any Goods supplied or to be supplied under the Contract or any contract between the Company and the Buyer the Buyer shall indemnify the Company against all costs and expenses incurred by the Company in connection therewith on a full indemnity basis.

THIRD PARTIES

- For the avoidance of doubt nothing in these terms and conditions are intended to confer on any third party any benefit or the right to enforce any terms within the conditions.

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Visit our website

www.evolutionfasteners.co.uk

for latest product information,
offers and Evolution news

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