



An in-depth look at our range of fasteners for use in conjunction with metal framing systems.





QUALITY ASSURANCE AND

LABORATORY TESTING

FOR MORE INFORMATION ON OUR EXTENSIVE TESTING CAPABILITIES OR IF YOU WISH TO RECEIVE FREE TRAINING AND CONTINUED PROFESSIONAL DEVELOPMENT, PLEASE E-MAIL:

techncial@evofas.com

OUR MOST SOUGHT AFTER SERVICES:

TENSILE, SHEAR, FATIGUE AND DEFLECTION TESTING

TORQUE TESTING

FAILURE ANALYSIS (hydrogen embrittlement, stress corrosion etc)

METALOGRAPHY (hardness - vickers/knoops/rockwell, Haz etc)

MICROSCOPY (light, metalographic etc)

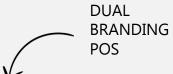
CORROSION TESTING (neutral salt spray, cyclic corrosion etc)

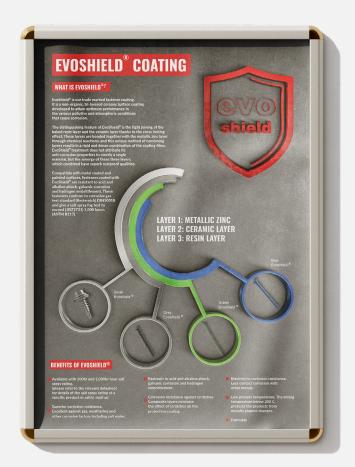






DUAL BRANDING AND MARKETING AVAILABLE.



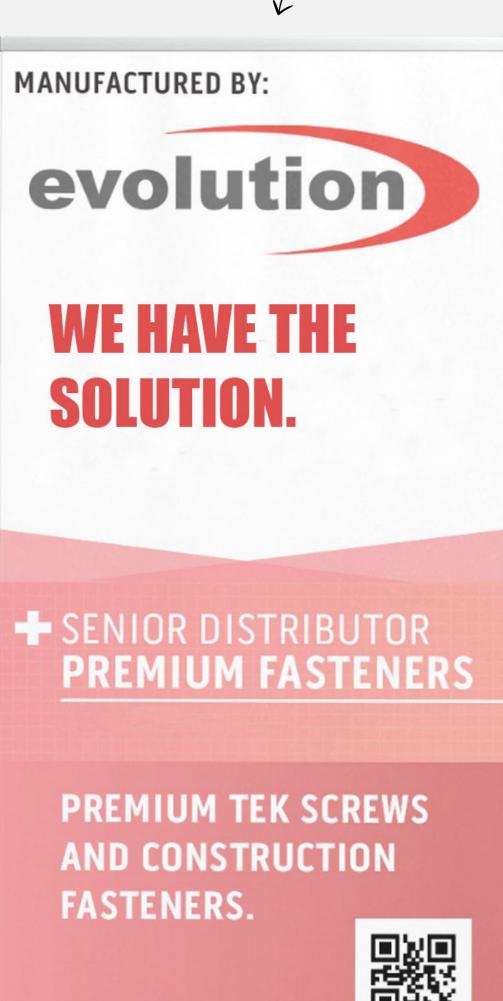






BRANDED PACKAGING



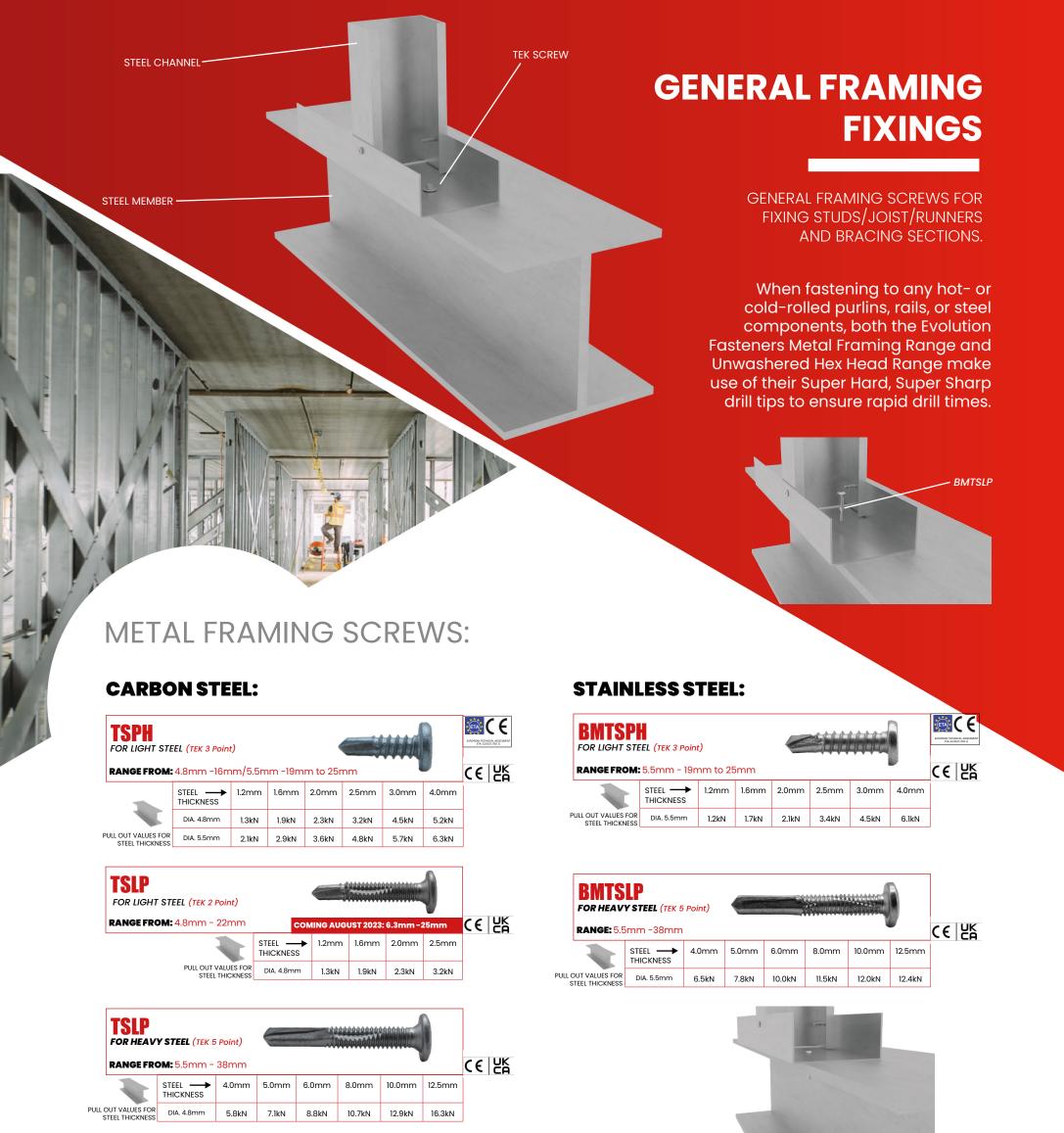


Evolution Fasteners (UK)

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UNWASHERED HEX HEAD RANGE:

CARBON STEEL:





STAINLESS STEEL:







FIXING TO CONCRETE

CONCRETE SCREW
ANCHOR HEX HEAD





SELF TAPPING MASONRY SCREW RANGE:

STAINLESS STEEL:

RANGE FROM: 6.3mm- 32mm to 250mm

A4 Bi-Metal™ stainless steel construction makes these ideal for mitigation against bi-metallic corrosion in aluminium or copper/ tin substrates.

CARBON STEEL:





Load Data in Un-cracked C30/37 Concrete Substrates												
Parameter	Symbol Tensile (N)		Shear (Unit								
Nominal diameter	dnom	4.8	6.3	4.8	6.3	mm						
Minimum embedment depth	h _{nom}	25.0	25.0	25.0	25.0	mm						
Ultimate load	Nru,m Or Vru,m	3,700	3,900	5,100	7,700	N						
Characteristic resistance	Nrk or Vrk	2,600	2,900	4,200	6,300	N						
Design resistance	Nrd Or Vrd	1,300	1,450	2,800	4,200	N						
Recommended load	Nrec Or Vrec	960	1,070	1,560	2,330	N						







The washer head is 60mm in diameter and with its integrated sealing cap provides additional cold bridging protection.

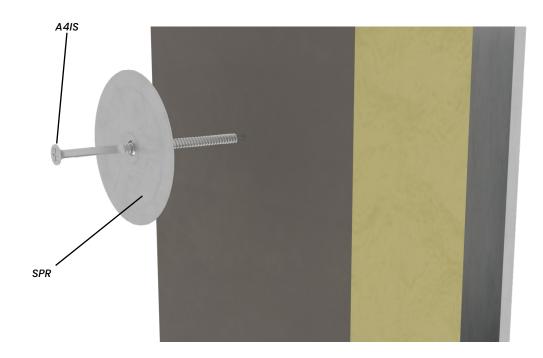








Use with SSSPR washer





FIXING SHEATHING BOARDS AND TIMBER TO STEEL

SHEATHING BOARD

STAINLESS STEEL:

4.2mm/4.8mm/5.5mm
DIAMETER WAFER/CSK RIBBED
HEAD WING TIPPED SCREW

The metric thread with wings is designed to ream out the timber/board, to allow the fastener to achieve maximum R.P.M without burning out.

TIMBER TEK FASTENER:

RANGE FROM: 4.2mm - 38mm/4.8mm - 38mm to 45mm/5.5mm - 38mm to 235mm

1.500N

2.300N

1.6mm 2.0mm

2.500N

3.000N

CARBON STEEL:

2.5mm

3,600N

4.000N

FOR LIGHT STEEL

4.0mm

4,800N

4.400N

5.700N

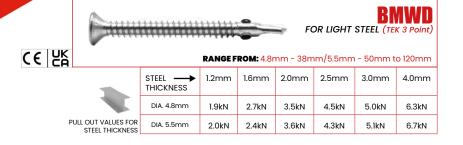
3.0mm

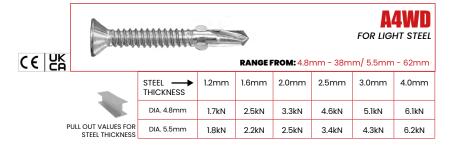
3.900N

4.600N

LIGHT GAUGE STEEL

INSULATION





C € LA						FOR HEAVY STEEL RANGE FROM: 42mm to 180mm			
-	STEEL	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm		
PULL OUT VALUES FOR STEEL THICKNESS	DIA. 5.5mm	4,200N	9,800N	10,400N	11,700N	12,500N	13,800N		

1,200N

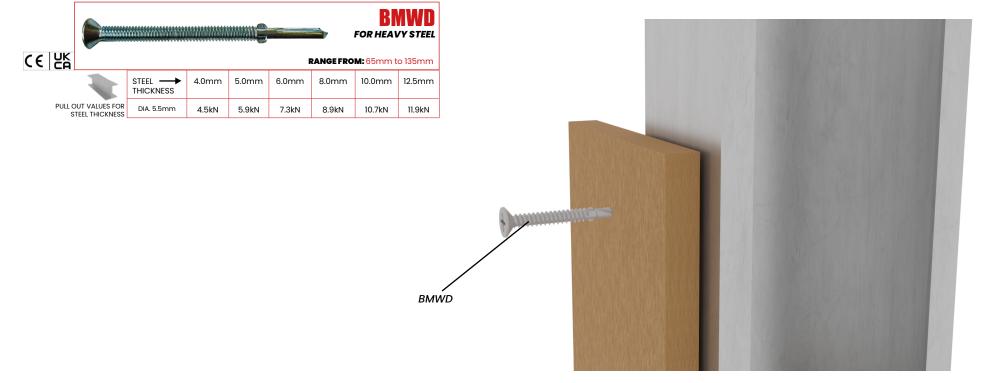
STEEL ____

DIA. 4.2mm

DIA. 4.8mm

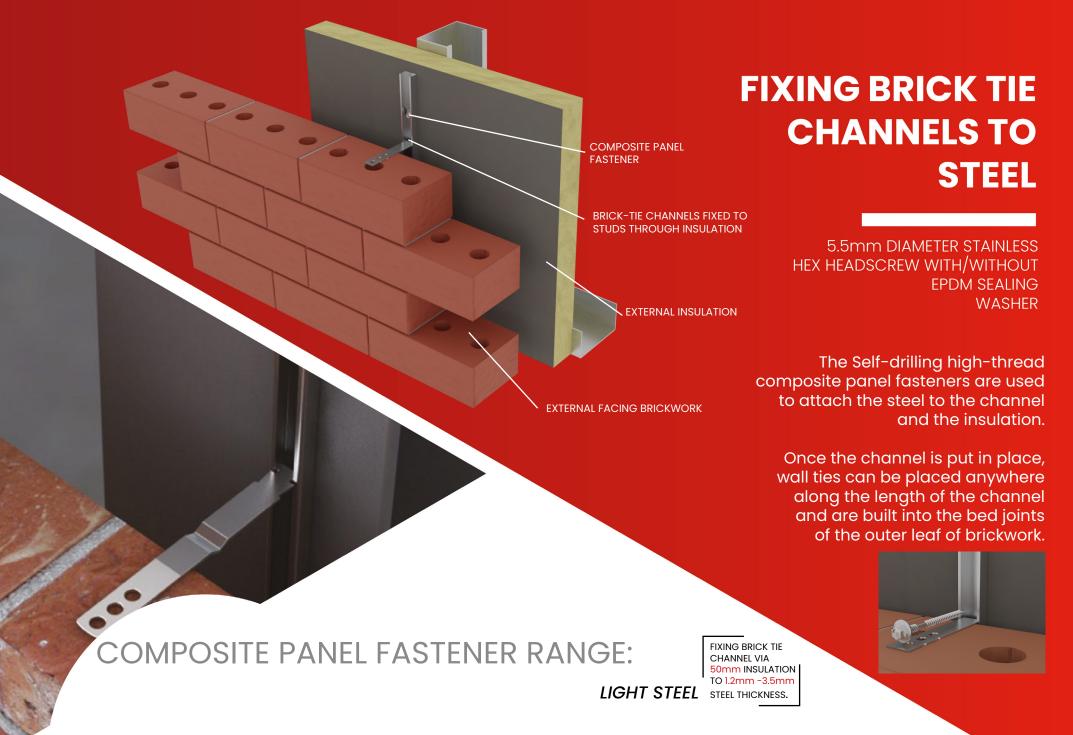
DIA. 5.5mm

PULL OUT VALUES FOR STEEL THICKNESS



CE R





CARBON STEEL:





STAINLESS STEEL:



WITH 19mm WASHER

3.0mm

4.4kN

FIXING BRICK TIE CHANNEL VIA

HEAVY STEEL STEEL THICKNESS.

50mm INSULATION TO 4.0mm -12.5mm

4.0mm

6.1kN

STEEL THICKNESS 1.2mm 1.6mm 2.0mm 2.5mm THICKNESS DIA. 5.5mm 1.8kN 2.0kN 2.4kN 3.3kN

RANGE FROM: 5.5mm - 150mm to 185mm

A4BMHT FOR LIGHT STEEL

COMPOSITE PANEL FASTENER RANGE:

STAINLESS STEEL:

WITH 16mm/19mm WASHER FOR HEAVY STEEL RANGE FROM: 5.5mm - 85mm to 260mm 12.5mm 5.0mm 6.0mm 8.0mm 10.0mm THICKNESS PULL OUT VALUES FOR 17,500N 6,000N 8,200N 9,600N 12,400N 14,500N STEEL THICKNESS

CARBON STEEL:







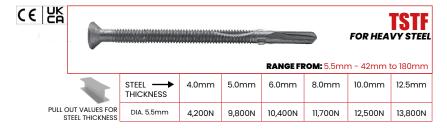
STAINLESS STEEL:





CARBON STEEL:







FOR FURTHER INFORMATION, PLEASE DON'T HESITATE TO CONTACT OUR TECHNICAL DEPARTMENT, WHERE OUR IN-HOUSE ENGINEERS CAN GO INTO FURTHER DETAIL WITH FREE HELP AND ADVICE:

technical@evofas.com

OR CALL

+44 (0) 141 647 7100

CHECK OUT OUR 2023 PRODUCT GUIDE FOR MORE IN-DEPTH INFORMATION ON ALL THE FASTENERS FEATURED IN THIS DOCUMENT.







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