

# VGS EVO C5

## FULL THREAD CONNECTOR WITH COUNTERSUNK HEAD

### C5 ATMOSPHERIC CORROSIVITY

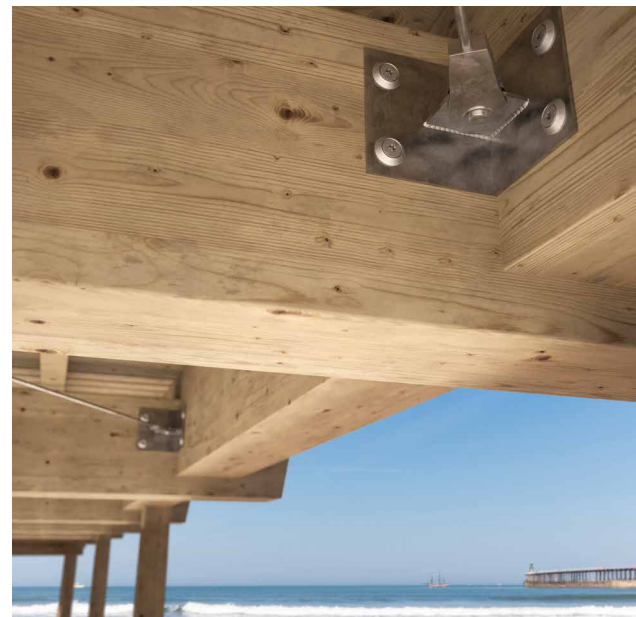
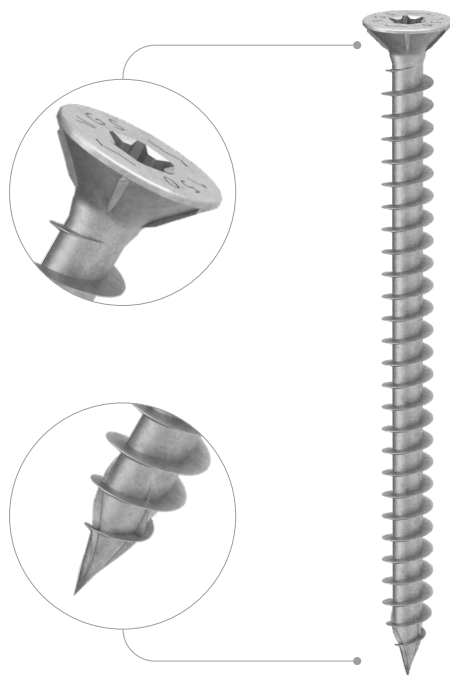
Multi-layer coating capable of withstanding outdoor environments classified C5 according to ISO 9223. Salt Spray Test (SST) with exposure time greater than 3000 h carried out on screws previously screwed and unscrewed in Douglas fir timber.

### 3 THORNS TIP

Thanks to the 3 THORNS tip, minimum installation distances are reduced. More screws can be used in less space and larger screws in smaller elements.

### MAXIMUM STRENGTH

It is the screw of choice if high mechanical performance is required under very adverse environmental and wood corrosive conditions. The cylindrical head makes it ideal for concealed joints, timber couplings and structural reinforcements.



MANUALS



BIT INCLUDED

DIAMETER [in]

0.36 ☒ 0.36 ☐ 0.60

LENGTH [in]

3 1/8 ☐ ☒ 8 14 1/4 ☐ 39 3/8

EXPOSURE CONDITION

☒ EC1 ☒ EC2 ☒ EC3

ATMOSPHERIC CORROSIVITY

☒ C1 ☒ C2 ☒ C3 ☒ C4 ☒ C5

WOOD CORROSIVITY

☒ T1 ☒ T2 ☒ T3 ☒ T4

MATERIAL

**C5**  
EVO  
COATING

carbon steel with C5 EVO coating  
with very high corrosion resistance



## FIELDS OF USE

- timber based panels
- solid timber and glulam
- CLT and LVL
- high density woods

## CODES AND DIMENSIONS

d <sub>1</sub> [mm] [in]	CODE	L		b		pcs
		[mm]	[in]	[mm]	[in]	
9 0.36 TX 40	VGSEVO9200C5	200	8	190	7 1/2	25
	VGSEVO9240C5	240	9 1/2	230	9 1/16	25
	VGSEVO9280C5	280	11	270	10 5/8	25
	VGSEVO9320C5	320	12 5/8	310	12 3/16	25
	VGSEVO9360C5	360	14 1/4	350	13 3/4	25

## RELATED PRODUCTS

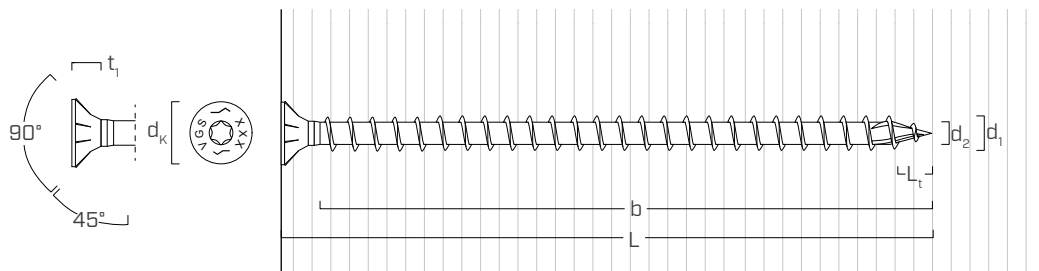


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## GEOMETRY



Nominal diameter	d <sub>1</sub>	[in] <sup>(1)</sup>	0.36
Outer thread diameter	d <sub>1</sub>	[mm]	9
		[in]	0.354
Head diameter	d <sub>K</sub>	[in]	0.625
Countersunk head thickness	t <sub>1</sub>	[in]	0.256
Root diameter	d <sub>2</sub>	[in]	0.232
Tip length	L <sub>t</sub>	[in]	0.354
Pre-drilling hole diameter <sup>(2)</sup>	d <sub>V,G≤0.55</sub>	[in]	13/64
Pre-drilling hole diameter <sup>(3)</sup>	d <sub>V,G&gt;0.55</sub>	[in]	15/64

<sup>(1)</sup>The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.

<sup>(2)</sup>Pre-drilling applies to timber with G≤0.55 (optional).

<sup>(3)</sup>Pre-drilling applies to timber with G>0.55 (required).

For minimum distances and structural values see VGZ on page 144.



### HYBRID STEEL-TIMBER STRUCTURES

VGS EVO C5 is the ideal solution for steel structures where high-strength ad hoc connections are required, particularly in adverse climatic contexts such as the marine environment.

### SWELLING OF TIMBER

The application of VGS EVO C5 in combination with polymeric interlayers such as XYLOFON WASHER gives the joint a certain adaptability to mitigate stresses resulting from shrinkage/swelling of the wood.