

# HBS EVO C5

## COUNTERSUNK SCREW



### C5 ATMOSPHERIC CORROSIVITY

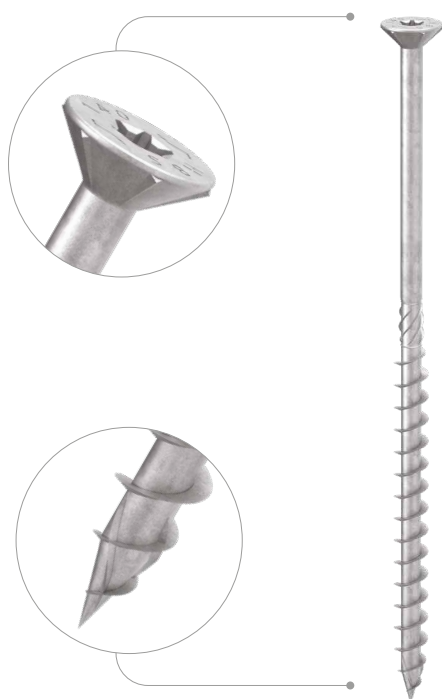
Multi-layer coating capable of withstanding outdoor environments classified C5 according to ISO 9223. SST (Salt Spray Test) with exposure time greater than 3000h carried out on screws previously screwed and unscrewed in Douglas fir timber.

### MAXIMUM STRENGTH

It is the screw of choice when high mechanical performance is required under very adverse environmental and wood corrosive conditions.

### 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, reducing costs and time.



MANUALS



BIT INCLUDED

#### DIAMETER [in]

0.12 **0.14** 0.32 0.48

#### LENGTH [in]

1/2 **13/16** 12 5/8 39 3/8

#### EXPOSURE CONDITION

**EC1** EC2 EC3

#### ATMOSPHERIC CORROSIVITY

C1 C2 C3 **C4** C5

#### WOOD CORROSIVITY

T1 T2 T3 **T4**

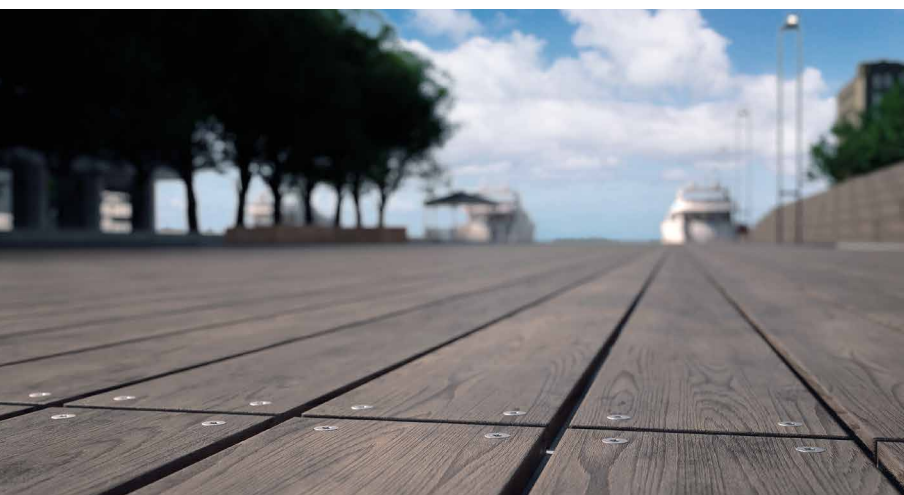
#### MATERIAL

**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><br>[mm]<br>[in] | CODE         | L    |         | b    |         | A     | pcs |
|--------------------------------|--------------|------|---------|------|---------|-------|-----|
|                                |              | [mm] | [in]    | [mm] | [in]    | [in]  |     |
| 3,5<br>0.14<br>#6<br>TX 15     | HBSEVO3530C5 | 30   | 1 3/16  | 18   | 11/16   | 3/8   | 500 |
|                                | HBSEVO3540C5 | 40   | 1 9/16  | 18   | 11/16   | 3/4   | 500 |
| 4<br>0.16<br>#7<br>TX 20       | HBSEVO440C5  | 40   | 1 9/16  | 24   | 15/16   | 1/8   | 500 |
|                                | HBSEVO450C5  | 50   | 1 15/16 | 30   | 1 3/16  | 3/4   | 400 |
| 4,5<br>0.18<br>#9<br>TX 20     | HBSEVO4550C5 | 50   | 1 15/16 | 30   | 1 3/16  | 3/4   | 200 |
|                                | HBSEVO4560C5 | 60   | 2 3/8   | 35   | 1 3/8   | 3/4   | 200 |
| 5<br>0.20<br>#11<br>TX 25      | HBSEVO550C5  | 50   | 1 15/16 | 24   | 15/16   | 1     | 200 |
|                                | HBSEVO560C5  | 60   | 2 3/8   | 30   | 1 3/16  | 1     | 200 |
|                                | HBSEVO570C5  | 70   | 2 3/4   | 35   | 1 3/8   | 1 1/4 | 100 |
|                                | HBSEVO580C5  | 80   | 3 1/8   | 40   | 1 9/16  | 1 1/2 | 100 |
|                                | HBSEVO590C5  | 90   | 3 1/2   | 45   | 1 3/4   | 1 3/4 | 100 |
|                                | HBSEVO5100C5 | 100  | 4       | 50   | 1 15/16 | 1 3/4 | 100 |
| 6<br>0.24<br>#14<br>TX 30      | HBSEVO680C5  | 80   | 3 1/8   | 40   | 1 9/16  | 1 1/2 | 100 |
|                                | HBSEVO6100C5 | 100  | 4       | 50   | 1 15/16 | 1 3/4 | 100 |
|                                | HBSEVO6120C5 | 120  | 4 3/4   | 60   | 2 3/8   | 2 1/4 | 100 |
|                                | HBSEVO6140C5 | 140  | 5 1/2   | 75   | 2 15/16 | 2 1/2 | 100 |
|                                | HBSEVO6160C5 | 160  | 6 1/4   | 75   | 2 15/16 | 3 1/4 | 100 |
|                                | HBSEVO6180C5 | 180  | 7 1/8   | 75   | 2 15/16 | 4     | 100 |
|                                | HBSEVO6200C5 | 200  | 8       | 75   | 2 15/16 | 4 3/4 | 100 |

| d <sub>1</sub><br>[mm]<br>[in] | CODE         | L    |        | b    |        | A     | pcs |
|--------------------------------|--------------|------|--------|------|--------|-------|-----|
|                                |              | [mm] | [in]   | [mm] | [in]   | [in]  |     |
| 8<br>0.32<br>TX 40             | HBSEVO8100C5 | 100  | 4      | 52   | 2 1/16 | 1 3/4 | 100 |
|                                | HBSEVO8120C5 | 120  | 4 3/4  | 60   | 2 3/8  | 2 1/4 | 100 |
|                                | HBSEVO8140C5 | 140  | 5 1/2  | 60   | 2 3/8  | 3     | 100 |
|                                | HBSEVO8160C5 | 160  | 6 1/4  | 80   | 3 1/8  | 3     | 100 |
|                                | HBSEVO8180C5 | 180  | 7 1/8  | 80   | 3 1/8  | 3 3/4 | 100 |
|                                | HBSEVO8200C5 | 200  | 8      | 80   | 3 1/8  | 4 1/2 | 100 |
|                                | HBSEVO8220C5 | 220  | 8 5/8  | 80   | 3 1/8  | 5 1/2 | 100 |
|                                | HBSEVO8240C5 | 240  | 9 1/2  | 80   | 3 1/8  | 6 1/4 | 100 |
|                                | HBSEVO8280C5 | 280  | 11     | 80   | 3 1/8  | 7 3/4 | 100 |
|                                | HBSEVO8320C5 | 320  | 12 5/8 | 100  | 4      | 8 1/2 | 100 |

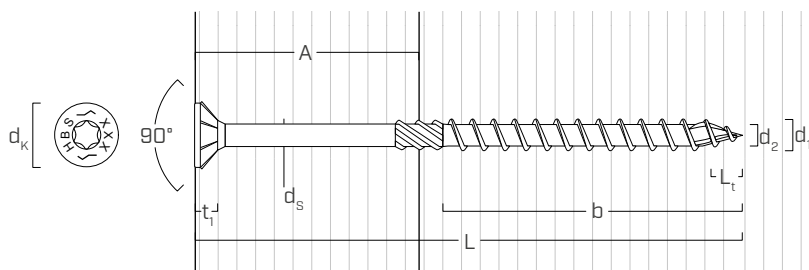
## RELATED PRODUCTS



**HUS EVO**  
TURNED WASHER

see page 72

## GEOMETRY



| Nominal diameter                          | d <sub>1</sub>           | [in] <sup>(1)</sup> | 0.14  | 0.16  | 0.18  | 0.20  | 0.24  | 0.32  |
|-------------------------------------------|--------------------------|---------------------|-------|-------|-------|-------|-------|-------|
|                                           |                          | [mm]                | 3,5   | 4     | 4,5   | 5     | 6     | 8     |
| Outer thread diameter                     | d <sub>1</sub>           | [in]                | 0.138 | 0.157 | 0.177 | 0.197 | 0.236 | 0.315 |
| Head diameter                             | d <sub>k</sub>           | [in]                | 0.276 | 0.315 | 0.354 | 0.394 | 0.472 | 0.571 |
| Root diameter                             | d <sub>2</sub>           | [in]                | 0.089 | 0.100 | 0.110 | 0.134 | 0.156 | 0.213 |
| Shank diameter                            | d <sub>s</sub>           | [in]                | 0.096 | 0.108 | 0.124 | 0.144 | 0.169 | 0.228 |
| Head thickness                            | t <sub>1</sub>           | [in]                | 0.087 | 0.110 | 0.110 | 0.122 | 0.177 | 0.177 |
| Tip length                                | L <sub>t</sub>           | [in]                | 0.138 | 0.157 | 0.177 | 0.197 | 0.236 | 0.315 |
| Pre-drilling hole diameter <sup>(2)</sup> | d <sub>V,G≤0.55</sub>    | [in]                | -     | -     | -     | 1/8   | 5/32  | 13/64 |
| Pre-drilling hole diameter <sup>(3)</sup> | d <sub>V,G&gt;0.55</sub> | [in]                | -     | -     | -     | 9/64  | 5/32  | 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 HBS EVO on page 54.