

**TIMBER**

|                                            |     |
|--------------------------------------------|-----|
| <b>SHS</b>                                 |     |
| 60° COUNTERSUNK SCREW                      | 18  |
| <b>SHS AISI410</b>                         |     |
| 60° COUNTERSUNK SCREW                      | 20  |
| <b>HTS</b>                                 |     |
| FULLY THREADED COUNTERSUNK SCREW           | 34  |
| <b>HBS</b>                                 |     |
| COUNTERSUNK SCREW                          | 36  |
| <b>HBS COIL</b>                            |     |
| HBS BOUND SCREWS                           | 52  |
| <b>HBS EVO</b>                             |     |
| COUNTERSUNK SCREW                          | 54  |
| <b>HBS EVO C5</b>                          |     |
| COUNTERSUNK SCREW                          | 68  |
| <b>HBS HARDWOOD</b>                        |     |
| COUNTERSUNK SCREW FOR HARDWOODS            | 70  |
| <b>HUS</b>                                 |     |
| TURNED WASHER                              | 72  |
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| SEPARATING WASHER FOR SCREWS               | 84  |
| <b>TBS</b>                                 |     |
| FLANGE HEAD SCREW                          | 88  |
| <b>TBS SOFTWOOD</b>                        |     |
| FLANGE HEAD SCREW                          | 102 |
| <b>TBS MAX</b>                             |     |
| XL FLANGE HEAD SCREW                       | 104 |
| <b>TBS FRAME</b>                           |     |
| FLAT FLANGE HEAD SCREW                     | 114 |
| <b>TBS EVO</b>                             |     |
| FLANGE HEAD SCREW                          | 122 |
| <b>TBS EVO C5</b>                          |     |
| FLANGE HEAD SCREW                          | 134 |
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| COACH SCREW DIN571                         | 136 |
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| <b>VGZ HARDWOOD</b>                        |     |
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|                                                         |     |
|---------------------------------------------------------|-----|
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| FULL THREAD CONNECTOR WITH COUNTERSUNK HEAD             | 220 |
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| FULL THREAD CONNECTOR WITH COUNTERSUNK HEAD             | 222 |
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| <b>HBS PLATE A4</b>                                     |     |
| PAN HEAD SCREW FOR PLATES                               | 271 |
| <b>LBS</b>                                              |     |
| ROUND HEAD SCREW FOR PLATES                             | 272 |
| <b>LBS EVO</b>                                          |     |
| ROUND HEAD SCREW FOR PLATES                             | 278 |
| <b>LBS HARDWOOD</b>                                     |     |
| ROUND HEAD SCREW FOR PLATES ON HARDWOODS                | 284 |
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| DRYWALL SCREW                                           | 297 |

## 60° COUNTERSUNK SCREW

### SMALL HEAD AND 3 THORNS TIP

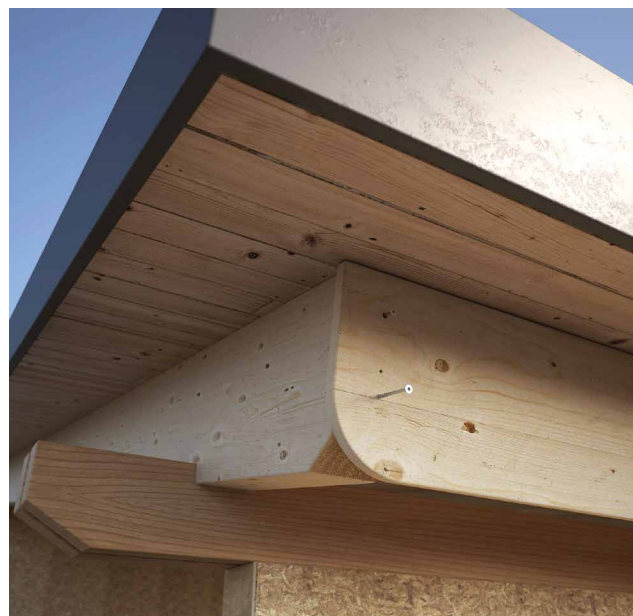
The 60° head and 3 THORNS tip allow easy insertion of the screw into small thickness elements without creating openings in the timber.

### ENLARGED BIT CAVITY

Compared to common carpentry screws, it has a larger Torx cavity: TX 25 for diameters 0.16 inch (#7) and 0.18 inch (#9), TX 30 for diameter 0.20 inch (#11). It is the right screw for users requiring strength and precision.

### FASTENING ON TONGUE AND GROOVE BOARDS

For fixing beads or small elements, the 0.14 inch (#6) diameter version is perfectly suited for application in joints.



BIT INCLUDED

#### DIAMETER [in]

0.12 **0.14** 0.20 0.48

#### LENGTH [in]

1/2 **1 3/16** 4 3/4 39 3/8

#### EXPOSURE CONDITION

**EC1** DRY

#### ATMOSPHERIC CORROSIVITY

**C1** C2

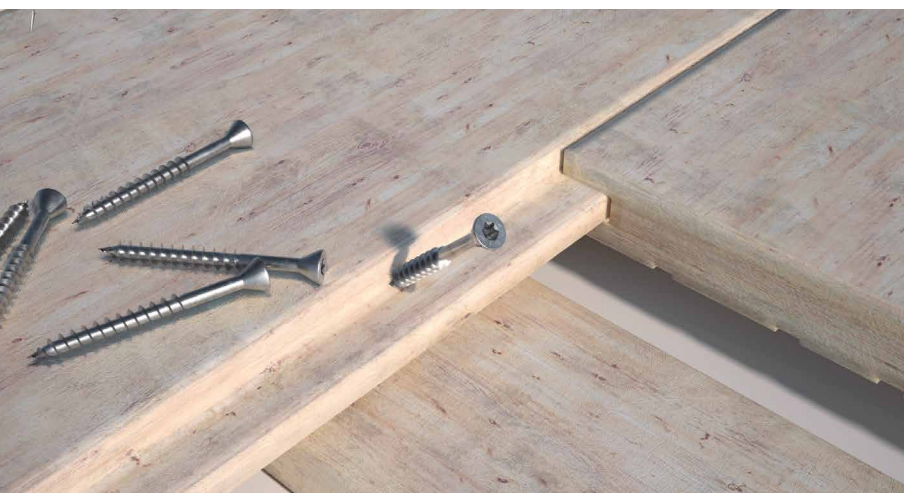
#### WOOD CORROSIVITY

**T1** T2

#### MATERIAL

**Zn**  
ELECTRO  
PLATED

electrogalvanized carbon steel



## FIELDS OF USE

- tongue-and-groove boards
- timber based panels
- fibreboard, MDF, HDF and LDF
- plated and melamine faced panels
- solid timber
- glulam (Glued Laminated Timber)
- CLT and LVL

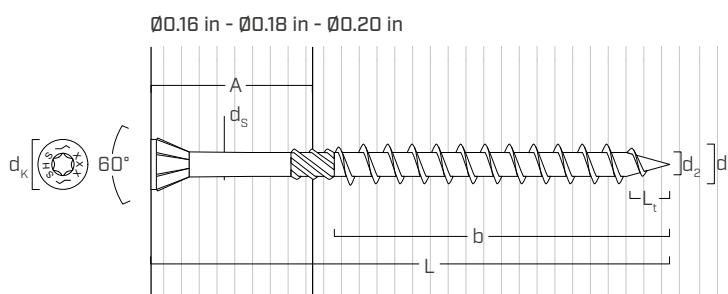
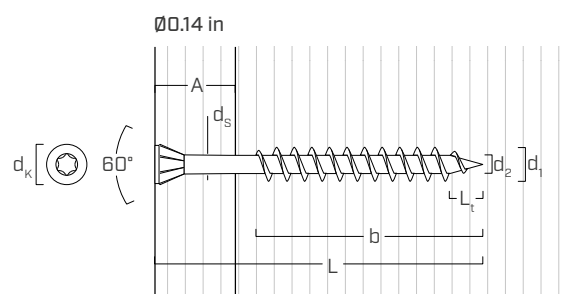
## CODES AND DIMENSIONS

| 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 10     | SHS3530(*) | 30   | 1 3/16  | 20   | 13/16  | 3/8  | 500 |
|                                | SHS3540(*) | 40   | 1 9/16  | 26   | 1 1/32 | 1/2  | 500 |
|                                | SHS3550(*) | 50   | 1 15/16 | 34   | 1 5/16 | 1/2  | 500 |
|                                | SHS3560(*) | 60   | 2 3/8   | 40   | 1 9/16 | 3/4  | 500 |

(\*)Not holding CE marking.

| d <sub>1</sub><br>[mm]<br>[in] | CODE    | L    |         | b    |         | A     | pcs |
|--------------------------------|---------|------|---------|------|---------|-------|-----|
|                                |         | [mm] | [in]    | [mm] | [in]    | [in]  |     |
| 4<br>0.16<br>#7<br>TX 25       | SHS440  | 40   | 1 9/16  | 24   | 15/16   | 1/2   | 500 |
|                                | SHS450  | 50   | 1 15/16 | 30   | 1 3/16  | 3/4   | 400 |
|                                | SHS460  | 60   | 2 3/8   | 35   | 1 3/8   | 3/4   | 200 |
|                                | SHS470  | 70   | 2 3/4   | 40   | 1 9/16  | 1     | 200 |
| 4,5<br>0.18<br>#9<br>TX 25     | SHS4550 | 50   | 1 15/16 | 30   | 1 3/16  | 3/4   | 200 |
|                                | SHS4560 | 60   | 2 3/8   | 35   | 1 3/8   | 3/4   | 200 |
|                                | SHS4570 | 70   | 2 3/4   | 40   | 1 9/16  | 1     | 200 |
|                                | SHS550  | 50   | 1 15/16 | 24   | 15/16   | 1     | 200 |
| 5<br>0.20<br>#11<br>TX 30      | SHS560  | 60   | 2 3/8   | 30   | 1 3/16  | 1     | 200 |
|                                | SHS570  | 70   | 2 3/4   | 35   | 1 3/8   | 1 1/4 | 200 |
|                                | SHS580  | 60   | 2 3/8   | 30   | 1 3/16  | 1     | 200 |
|                                | SHS590  | 90   | 3 1/2   | 45   | 1 3/4   | 1 3/4 | 200 |
|                                | SHS5100 | 100  | 4       | 50   | 1 15/16 | 1 3/4 | 200 |
|                                | SHS5120 | 120  | 4 3/4   | 60   | 2 3/8   | 2 1/4 | 200 |

## GEOMETRY



| Nominal diameter                          | d <sub>1</sub>           | [in] <sup>(1)</sup> | 0.14  | 0.16  | 0.18  | 0.20  |
|-------------------------------------------|--------------------------|---------------------|-------|-------|-------|-------|
| Outer thread diameter                     | d <sub>1</sub>           | [mm]                | 3,5   | 4     | 4,5   | 5     |
|                                           |                          | [in]                | 0.138 | 0.157 | 0.177 | 0.197 |
| Head diameter                             | d <sub>k</sub>           | [in]                | 0.276 | 0.315 | 0.354 | 0.394 |
| Root diameter                             | d <sub>2</sub>           | [in]                | 0.089 | 0.100 | 0.110 | 0.134 |
| Shank diameter                            | d <sub>s</sub>           | [in]                | 0.096 | 0.108 | 0.124 | 0.144 |
| Head thickness                            | t <sub>1</sub>           | [in]                | 0.087 | 0.110 | 0.110 | 0.122 |
| Tip length                                | L <sub>t</sub>           | [in]                | 0.138 | 0.157 | 0.177 | 0.197 |
| Pre-drilling hole diameter <sup>(2)</sup> | d <sub>V,G≤0.55</sub>    | [in]                | -     | -     | -     | 1/8   |
| Pre-drilling hole diameter <sup>(3)</sup> | d <sub>V,G&gt;0.55</sub> | [in]                | -     | -     | -     | 9/64  |

<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).