

# HBS COIL

## HBS BOUND SCREWS

### QUICK, IN SERIES USE

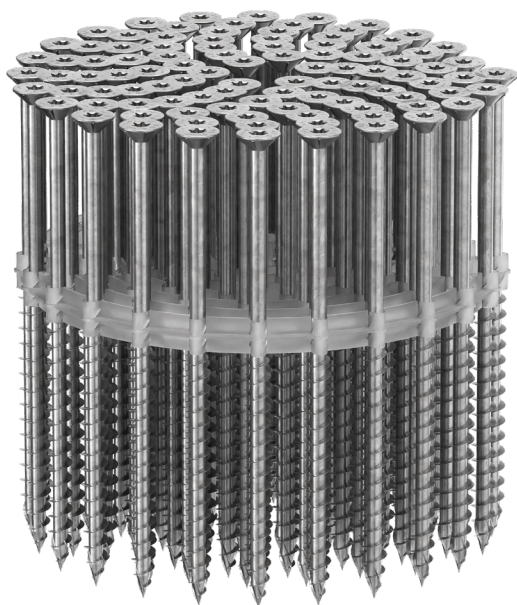
Quick and precise installation. Fast and safe execution thanks to the special binding.

### HBS 0.24 inch

Also available in a diameter of 0.24 inch (#14), ideal for quick wall-to-wall fastening in CLT structures.

### FAST

With the 3 THORNS tip, screw grip becomes more reliable and faster, while maintaining the usual mechanical performance. More speed, less effort.



UK  
CA  
UKTA-0836  
22/6195

CE  
ETA-11/0030



#### DIAMETER [in]

0.12 **0.16** 0.24 0.48

#### LENGTH [in]

1/2 **1** 3 1/8 39 3/8

#### EXPOSURE CONDITION

**EC1** or **WET**

#### ATMOSPHERIC CORROSIVITY

**C1** **C2**

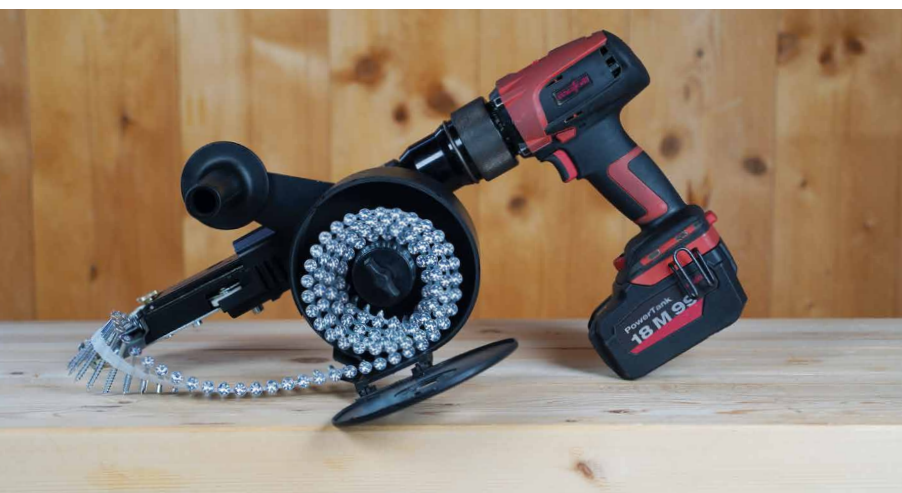
#### WOOD CORROSIVITY

**T1** **T2**

#### MATERIAL

**Zn**  
ELECTRO  
PLATED

electrogalvanized carbon steel



## FIELDS OF USE

- timber based panels
- fibreboard, MDF, HDF and LDF
- plated and melamine faced panels
- solid timber
- glulam (Glued Laminated Timber)
- CLT and LVL
- high density woods

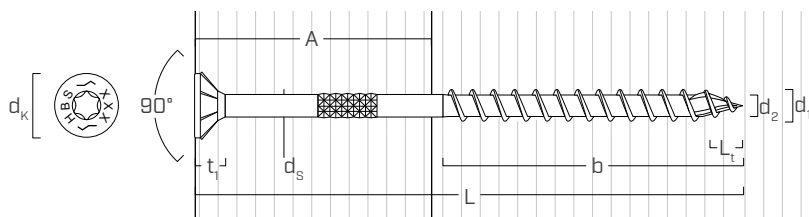
## CODES AND DIMENSIONS

| d <sub>1</sub><br>[mm]<br>[in] | CODE          | L<br>[mm]<br>[in] | b<br>[mm]<br>[in] | A<br>[in] | pcs/  | pcs            |
|--------------------------------|---------------|-------------------|-------------------|-----------|----------------------------------------------------------------------------------------|----------------|
| 4<br>0.16<br>#7<br>TX 20       | HH10600459(*) | 25                | 1                 | 18        | 11/16                                                                                  | 1/4 - 3000     |
|                                | HZB430        | 30                | 1 3/16            | 16        | 5/8                                                                                    | 9/16 167 3000  |
|                                | HZB440        | 40                | 1 9/16            | 24        | 15/16                                                                                  | 5/8 167 3000   |
|                                | HZB450        | 50                | 1 15/16           | 30        | 1 3/16                                                                                 | 13/16 125 2000 |

(\*)fully-treaded screw.

| d <sub>1</sub><br>[mm]<br>[in] | CODE    | L<br>[mm]<br>[in] | b<br>[mm]<br>[in] | A<br>[in] | pcs/  | pcs            |
|--------------------------------|---------|-------------------|-------------------|-----------|------------------------------------------------------------------------------------------|----------------|
| 4,5<br>0.18<br>#9<br>TX 20     | HZB4550 | 50                | 1 15/16           | 30        | 1 3/16                                                                                   | 13/16 125 1500 |
| 5<br>0.20<br>#11<br>TX 25      | HZB560  | 60                | 2 3/8             | 30        | 1 3/16                                                                                   | 1 125 1250     |
|                                | HZB570  | 70                | 2 3/4             | 35        | 1 3/8                                                                                    | 1 1/4 125 625  |
|                                | HZB580  | 80                | 3 1/8             | 40        | 1 9/16                                                                                   | 1 1/2 125 625  |
| 6<br>0.24<br>#14<br>TX 30      | HZB670  | 70                | 2 3/4             | 35        | 1 3/8                                                                                    | 1/16 125 625   |
|                                | HZB680  | 80                | 3 1/8             | 35        | 1 3/8                                                                                    | 3/8 125 625    |

## GEOMETRY | HZB



| Nominal diameter                          | d <sub>1</sub>           | [in] <sup>(1)</sup> | 0.16  | 0.18  | 0.20  | 0.24  |
|-------------------------------------------|--------------------------|---------------------|-------|-------|-------|-------|
| Outer thread diameter                     | d <sub>1</sub>           | [mm]                | 4     | 4,5   | 5     | 6     |
|                                           |                          | [in]                | 0.157 | 0.177 | 0.197 | 0.236 |
| Head diameter                             | dk                       | [in]                | 0.315 | 0.354 | 0.394 | 0.472 |
| Root diameter                             | d <sub>2</sub>           | [in]                | 0.100 | 0.110 | 0.134 | 0.156 |
| Shank diameter                            | ds                       | [in]                | 0.108 | 0.124 | 0.144 | 0.169 |
| Head thickness                            | t <sub>1</sub>           | [in]                | 0.110 | 0.110 | 0.122 | 0.177 |
| Tip length                                | L <sub>t</sub>           | [in]                | 0.157 | 0.177 | 0.197 | 0.236 |
| Pre-drilling hole diameter <sup>(2)</sup> | d <sub>V,G≤0.55</sub>    | [in]                | -     | -     | 1/8   | 5/32  |
| Pre-drilling hole diameter <sup>(3)</sup> | d <sub>V,G&gt;0.55</sub> | [in]                | -     | -     | 9/64  | 5/32  |

<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 mechanical properties and structural values see HBS on page 34.

## ADDITIONAL PRODUCTS

| CODE       | description                                         | d <sub>1</sub><br>[mm]<br>[in] | lengths<br>[mm]<br>[in] | pcs |
|------------|-----------------------------------------------------|--------------------------------|-------------------------|-----|
| HH3373     | automatic loader for cordless screwdriver A 18 M BL | 4 3/16                         | 25-50 1-2               | 1   |
| HH3372     | automatic loader for cordless screwdriver A 18 M BL | 4,5-6 3/16-1/4                 | 40-80 19/16-3 1/8       | 1   |
| HH3352     | powered screwdriver                                 | 4 3/16                         | 25-50 1-2               | 1   |
| HH3338     | powered screwdriver                                 | 4,5-6 3/16-1/4                 | 40-80 19/16-3 1/8       | 1   |
| HH14411591 | extension                                           | -                              | -                       | 1   |
| HZB6PLATE  | adapter plate for HZB Ø6                            | -                              | -                       | 1   |
| HH14001469 | TX30 M6 bit for HZB Ø6                              | -                              | -                       | 1   |

Further information on page 435.



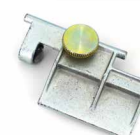
HH3372



HH3338



HH14411591



HZB6PLATE



HH14001469

## Ø0.24 inch HBS COIL APPLICATION

The adapter plates for use of 0.16, 0.18, and 0.20 inch diameter HBS COIL screws are already supplied with the respective screwdriver loaders. To use HBS COIL screws with a diameter of 0.24 inch, the adapter plates supplied must be replaced with the adapter plate HZB6PLATE. For HBS COIL screws diameter 0.24 inch it is also necessary to use the appropriate TX30 bit (code HH14001469).

We recommend using the extension HH14411591 for an easier installation of the screws on horizontal planes.