

# SWISSTEC Sourcing Vietnam Joint Stock Company



*Think Sourcing. Think SWISSTEC*

18L1-2 Street 3, Vietnam-Singapore Industrial Park 2,  
Thu Dau Mot City, Binh Duong Province, Vietnam.



Document No.: KKM051901-101

Item No: 502016633

Screw description:

CBS PAN HD TX15 FULL THRD WZP CR3 WAX C1022 5UM 3,5X20

Material: C1022

Certificate No.: [CPR-J-00140-21](#)

Report No.: [1015-CPR-30-15255/17/JZ](#)

| Size                                                         | Nominal diameter                                                                   | Inner thread diameter                                                              | Head diameter                                                                      | Total length                                                                       | Thread length                                                                      | Torsional ratio<br>$F_{tor,k}/R_{tor,k}$                                                                                                                                                                                         | Withdrawal parameter<br>(Loading across / along the fibre)<br>(N/mm <sup>2</sup> )   | Head pull-through parameter<br>(N/mm <sup>2</sup> )                                  | Yield moment<br>$I_2 = 1d$<br>(Nmm)                                                  | Tensile capacity<br>(kN)                                                             |
|--------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                                              | (mm)                                                                               | (mm)                                                                               | (mm)                                                                               | (mm)                                                                               | (mm)                                                                               |                                                                                                                                                                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |
|                                                              |  |  |  |  |  |                                                                                                                                                |  |  |  |  |
| 3.5x20                                                       | 3.3 - 3.5                                                                          | 2.0 - 2.25                                                                         | 6.64 - 7.0                                                                         | 18.95 - 20.0                                                                       | Full                                                                               | Min 1.5                                                                                                                                                                                                                          | 17.00 / 12.88                                                                        | 31.17                                                                                | 2100.4<br>(18 Deg)                                                                   | 4.1                                                                                  |
| Characteristic density of wood $\rho_k$ (kg/m <sup>3</sup> ) |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    | 450                                                                                                                                                                                                                              | 350                                                                                  | 350                                                                                  | -                                                                                    |                                                                                      |
| Durability (i.e. corrosion protection)                       |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    | Blue/yellow zinc plated, (3 to 10) $\mu$ m (Service Class 1 and 2 acc. to EN 1995-1-1)<br>Ruspert (20 to 25) $\mu$ m (Service Class 2 acc. to EN 1995-1-1)<br>Dacromet, (20 to 28) $\mu$ m (Service Class 3 acc. to EN 1995-1-1) |                                                                                      |                                                                                      |                                                                                      |                                                                                      |

## The manufacturer declares for:

The product is in accordance with EN 14592:2008+A1:2012 "Timber Structures – Dowel - Type fasteners – Requirements".

This declaration of conformity is valid until any changes in the product, the raw material or the production process is performed, which would significantly change the declared characteristics.

Date: 01 Feb 2023



Hieu Trong Nguyen