

# SWISSTEC Sourcing Ltd.



Think Sourcing. Think SWISSTEC

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



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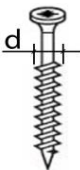
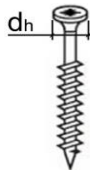
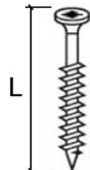
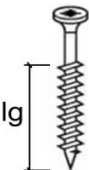
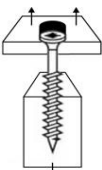
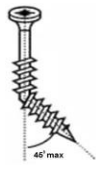
**Description:**

CBS CSK FLAT HD TX10 6NIBS SAW FULL THRD TYP17 WZP CR3 STL  
3.5x12

Material: Carbon steel C1022

Certificate No.: [E-30-20648-17](#)

Report No.: [1015-CPR-30-11211/3](#)

|                                                              | 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)                            | Head pull-through parameter                                                           | Yield moment<br>$I_2 = 1d$                                                            | Tensile capacity                                                                      |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Description                                                  | (mm)                                                                                | (mm)                                                                                | (mm)                                                                                | (mm)                                                                                | (mm)                                                                                | (Nm)                                                                                 | (N/mm <sup>2</sup> )                                                                  | (N/mm <sup>2</sup> )                                                                  | (Nmm)                                                                                 | (kN)                                                                                  |
|                                                              |  |  |  |  |  |  |  |  |  |  |
| 3.5x12                                                       | 3.2 - 3.5                                                                           | 1.95 - 2.3                                                                          | 6.6 - 7.0                                                                           | 10.95 - 12.0                                                                        | Full                                                                                | 2.48                                                                                 | 17.03 / 12.64                                                                         | 24.2                                                                                  | 1900                                                                                  | 3.97                                                                                  |
| Characteristic density of wood $\rho_k$ (kg/m <sup>3</sup> ) |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 450                                                                                  | 400                                                                                   | 350                                                                                   | -                                                                                     |                                                                                       |
| Durability (i.e. corrosion protection)                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Blue/yellow zinc plated Cr3, (3 - 10) $\mu$ m (Service Class 1 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: 17 Apr 2019



Hieu Trong Nguyen