

# SWISSTEC Sourcing Vietnam Joint Stock Company



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Document No.: KKM012109-254

Item No: 502326346

Product description:

WOOD SCREW BOX FXA TORX CS 7 SIZES 400

Material: C1022

Certificate No.: [CPR-J-00141-21](#)

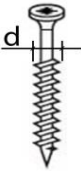
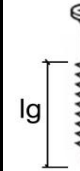
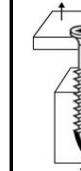
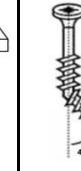
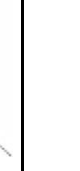
[CPR-J-00136-21](#)

[CPR-J-00137-21](#)

Report No.: [1015-CPR-30-15255/18/JZ](#)

[1015-CPR-30-15255/13/JZ](#)

[1015-CPR-30-15255/14/JZ](#)

| Size              | Nominal diameter<br>(mm)                                                            | Inner thread diameter<br>(mm)                                                       | Head diameter<br>(mm)                                                               | Total length<br>(mm)                                                                | Thread length<br>(mm)                                                               | 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>(Ring / Smooth section)<br>$I_2 = 1d$<br>(Nmm)                        | Tensile capacity<br>(kN)                                                              |
|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                   |  |  |  |  |  |  |  |  |  |  |
| 3.5x25<br>(C1022) | 3.3 - 3.5                                                                           | 2.0 - 2.25                                                                          | 6.64 - 7.0                                                                          | 23.95 - 25.0                                                                        | Full                                                                                | Min 1.5                                                                             | 17.03 / 12.64                                                                         | 24.2                                                                                  | 1848.7<br>(18 Deg)                                                                    | 3.8                                                                                   |
| 3.5x35<br>(C1022) | 3.3 - 3.5                                                                           | 2.0 - 2.25                                                                          | 6.64 - 7.0                                                                          | 33.75 - 35.0                                                                        | Full                                                                                | Min 1.5                                                                             | 17.03 / 12.64                                                                         | 24.2                                                                                  | 1848.7<br>(18 Deg)                                                                    | 3.8                                                                                   |
| 4x40<br>(C1022)   | 3.75 - 4.0                                                                          | 2.3 - 2.6                                                                           | 7.64 - 8.0                                                                          | 38.75 - 40.0                                                                        | Full                                                                                | Min 1.5                                                                             | 16.93 / 11.11                                                                         | 23.08                                                                                 | 3227.1<br>(17 Deg)                                                                    | 5.8                                                                                   |
| 4x50<br>(C1022)   | 3.75 - 4.0                                                                          | 2.3 - 2.6                                                                           | 7.64 - 8.0                                                                          | 48.75 - 50.0                                                                        | 28.5 - 31.5                                                                         | Min 1.5                                                                             | 16.93 / 11.11                                                                         | 23.08                                                                                 | 3227.1<br>(17 Deg)                                                                    | 5.8                                                                                   |

|                                                              |           |                |                |                 |                |                                                                                                                                                                                                                                        |                   |                   |                                                      |     |
|--------------------------------------------------------------|-----------|----------------|----------------|-----------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|------------------------------------------------------|-----|
| 5x50<br>(C1022)                                              | 4.7 - 5.0 | 2.95 -<br>3.15 | 9.64 -<br>10.0 | 48.75 -<br>50.0 | 28.5 -<br>31.5 | Min 1.5                                                                                                                                                                                                                                | 17.41 /<br>13.73  | 20.26             | 6617.7 /<br>11131.2<br>(Thread/<br>smooth<br>14 Deg) | 9.5 |
| 5x60<br>(C1022)                                              | 4.7 - 5.0 | 2.95 -<br>3.15 | 9.64 -<br>10.0 | 58.5 -<br>60.0  | 34.5 -<br>37.5 | Min 1.5                                                                                                                                                                                                                                | 17.41 /<br>13.73  | 20.26             | 6617.7 /<br>11131.2<br>(Thread/<br>smooth<br>14 Deg) | 9.5 |
| 5x80<br>(C1022)                                              | 4.7 - 5.0 | 2.95 -<br>3.15 | 9.64 -<br>10.0 | 78.5 -<br>80.0  | 46.5 -<br>49.5 | Min 1.5                                                                                                                                                                                                                                | 17.41 /<br>13.73  | 20.26             | 6617.7 /<br>11131.2<br>(Thread/<br>smooth<br>14 Deg) | 9.5 |
| Characteristic density of wood $\rho_k$ (kg/m <sup>3</sup> ) |           |                |                |                 |                | 450<br>450<br>450                                                                                                                                                                                                                      | 400<br>400<br>440 | 350<br>350<br>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<br>(Service Class 2 acc. to EN 1995-1-1)<br>Dacromet, (20 to 28) $\mu$ m<br>(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