

# SWISSTEC Sourcing Ltd.

*Think Sourcing. Think SWISSTEC*

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



Document No.: KKM011712-176

Item No: 500999806

**Description:**

375pcs FLAT WASHER HEAD PHILLIP DRIVE SCREW BLUE ZINC  
PLATED - 11 sizes

Material: Carbon steel C1022

Certificate No.: [E-30-20050-17](#)

Report No.: [30-10919/3](#)

| Description | Nominal<br>diameter<br>(mm) | Inner<br>thread<br>diameter<br>(mm) | Head<br>diameter<br>(mm) | Total<br>length<br>(mm) | Thread<br>length<br>(mm) | Torsional<br>ratio<br>$F_{tor,k}/R_{tor,k}$<br>(Nm) | Withdrawal<br>parameter<br>(Loading<br>across /<br>along the<br>fibre)<br>(N/mm <sup>2</sup> ) | Head pull-<br>through<br>parameter<br>(N/mm <sup>2</sup> ) | Yield<br>moment<br>(Ring /<br>Smooth<br>section)<br>l <sub>2</sub> = 1d<br>(Nmm) | Tensile<br>capacity<br>(kN) |
|-------------|-----------------------------|-------------------------------------|--------------------------|-------------------------|--------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------|
|             |                             |                                     |                          |                         |                          |                                                     |                                                                                                |                                                            |                                                                                  |                             |
| 4.2x13      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 12.0 -<br>13.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x16      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 15.0 -<br>16.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x19      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 18.0 -<br>19.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x25      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 24.0 -<br>25.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x32      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 31.0 -<br>32.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x38      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 37.0 -<br>38.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x41      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 40.0 -<br>41.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x45      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 43.8 -<br>45.0          | Full                     | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x55      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 53.5 -<br>55.0          | 46.0 -<br>48.0           | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x65      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 63.5 -<br>65.0          | 46.0 -<br>48.0           | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |
| 4.2x75      | 4.04 -<br>4.22              | 2.5 - 2.7                           | 10.5 -<br>11.0           | 73.5 -<br>75.0          | 46.0 -<br>48.0           | 3.84                                                | 18.62 /<br>13.46                                                                               | 27.14                                                      | 6270                                                                             | 5.7                         |

|                                                              |                                                                                  |     |     |   |
|--------------------------------------------------------------|----------------------------------------------------------------------------------|-----|-----|---|
| Characteristic density of wood $\rho_k$ (kg/m <sup>3</sup> ) | 450                                                                              | 350 | 350 | - |
| Durability (i.e. corrosion protection)                       | Zinc plated blue or black, 5 $\mu$ m (Service Class 1 and 2 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



The image shows a red circular stamp with the text "CÔNG TY TNHH SWISSTEC SOURCING VIỆT NAM" and "TP. THỦ ĐỨC - T. BÌNH DƯƠNG" around the perimeter. A blue ink signature is written over the stamp.

Hieu Trong Nguyen