Date: 22/03/2022

# Declaration of Performance



## Classic Hinge Screws

CE

Material - Carbon Steel (C1022)

Head Type - Reduced

Screw Diameter (mm) - 3.0

We hereby declare these designated products have performed initial type testing under system 3, Annex V of the regulation (EU) no. 305/2011 (Construction Products Regulation), with the reference to the harmonised European standard (hEN) BS EN 14592:2008+A1:2012 (Timber structures - Dowel type fasteners - Requirements) for screws intended for the use in "load bearing timber structures" and produced the calculation/test reports as attached;

The initial type testing has been carried out by independent notified body;
Strojirensky Zkusebni Ustav, NB # 1015, Hudcova 424/56B, 621 00 Brno-Medlánky, Czechia

Certificate Number: E-30-20008-13
Test Report Number: No. 30-9797/7

Factory Process Control (FPC) has been established by the factory.

This declaration is the responsibility of the importer ; T.I.Midwood & Co. Ltd.

| Simon Midwood | Managing Director | | TIMCO House 2013 | 2013 |
|---|---|---|---|---|
| Name | Position | Signature | Location & Date | Test Year |

Date: 22/03/2022

Cert No: E-30-20008-13

Test Report No: 30-9797/7

# Declaration of Performance



## Classic Hinge Screws

Reduced Head - Ø3.0mm

### Material & Geometry

| | |
|---|---|
| Material | Carbon Steel (C1022) |
| Screw diameter (mm) | 3.0 |
| Head diameter (mm) | 5.08 |
| Inner thread diameter (mm) | 2.00 |

### Mechanical Strength & Stiffness

| | |
|---|---|
| Characteristic yield moment $M_{y,k}$ at 20° [Nmm] (thread section) in acc. to EN 409 | 1343 |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood $\rho_k$ = 390kg/m³ | 17.99 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood $\rho_k$ = 390kg/m³ | 12.37 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood $\rho_k$ = 500kg/m³ | 56.88 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383 | 3.11 |
| Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k$ = 450kg/m³ | 6.28 |

### Durability

| | |
|---|---|
| Coating (Finish) | Nickel or Yellow coating |
| Corrosion protection | Service Class 1 acc. to EN 1995-1-1 |