

# Declaration of Performance

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## Twin-Thread Woodscrews



Material - Carbon Steel (C1018 &amp; C1022)

Head Type - Double Countersunk

Screw Gauge (imp) - 6, 8, 10

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: CPR-J-01067-22 to CPR-J-01069-22  
Test Report Number: No. 30-16090/1/JP to 30-16090/3/JP

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

This declaration is valid until there is a significant change in the product and declared characteristics.  
ie. raw material or change in production process.

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

Simon Midwood

Managing Director

TIMCO House  
2022

2022

Name

Position

Signature

Location &amp; Date

Test Year

# Declaration of Performance

## Twin-Thread Woodscrews Double Countersunk Head - 6g

### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	6
Head diameter (mm)	6.87
Inner thread diameter (mm)	2.73

### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409	2514
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	16.86
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	13.24
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 350\text{kg/m}^3$	26.42
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	4.81
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	4.82

### Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 acc. to EN 1995-1-1

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## Twin-Thread Woodscrews Double Countersunk Head - 8g

### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	8
Head diameter (mm)	7.98
Inner thread diameter (mm)	3.23

### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 16° [Nmm] (thread section) in acc. to EN 409	3131
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	16.72
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	13.24
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 350\text{kg/m}^3$	24.84
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	6.14
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	5.49

### Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 acc. to EN 1995-1-1

# Declaration of Performance

## Twin-Thread Woodscrews Double Countersunk Head - 10g

### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	10
Head diameter (mm)	9.64
Inner thread diameter (mm)	3.57

### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 15° [Nmm] (thread section) in acc. to EN 409	3218
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	16.38
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$	13.01
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 350\text{kg/m}^3$	22.12
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	6.54
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	2.78

### Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 acc. to EN 1995-1-1