

# Declaration of Performance

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## Blackjax Woodscrews



Material - Carbon Steel (C1018 & C1022)

Head Type - Round

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

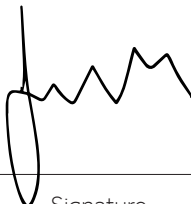
Certificate Number: E-30-20084-13, E-30-20086-13 & E-30-20087-13

Test Report Number: No. 30-9807/2, No. 30-9807/4 & No. 30-9807/5

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 2013	2013
Name	Position	Signature	Location & Date	Test Year

# Declaration of Performance

## Blackjax Woodscrews

Round Head - 6g

### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	6
Head diameter (mm)	6.55
Inner thread diameter (mm)	2.30

### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409	2654
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	18.91
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	13.80
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 420\text{kg/m}^3$	33.77
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	4.53
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	3.02

### Durability

Coating (Finish)	Black Organic
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

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## Blackjax Woodscrews

Round Head - 8g

### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	8
Head diameter (mm)	7.97
Inner thread diameter (mm)	2.70

### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 17° [Nmm] (thread section) in acc. to EN 409	4860
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	19.09
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	10.45
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 415\text{kg/m}^3$	27.06
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	7.76
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	2.75

### Durability

Coating (Finish)	Black Organic
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

# Declaration of Performance

## Blackjax Woodscrews

### Round Head - 10g

#### Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	10
Head diameter (mm)	9.18
Inner thread diameter (mm)	3.25

#### Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (thread section) in acc. to EN 409	7657
Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (smooth section) in acc. to EN 409	10044
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	20.62
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382 with density of wood $\rho_k = 470\text{kg/m}^3$	11.97
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383 with density of wood $\rho_k = 425\text{kg/m}^3$	27.06
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	8.89
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	2.32

#### Durability

Coating (Finish)	Black Organic
Corrosion protection	Service Class 3 acc. to EN 1995-1-1