Date: 24/05/2022
v1

# Declaration of Performance



## Carriage Bolts (Class 4.8)

CE

Material - Carbon Steel

Head Type - Domed top, square under the head

Bolt Diameter (mm) - M6, M8, M10, M12

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-00326-22 to CPR-J-00329-22
Test Report Number: No. 30-15861/1/JP to No. 30-15861/4/JP

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 2022 | 2022 |
|---|---|---|---|---|
| Name | Position | Signature | Location & Date | Test Year |

## Carriage Bolts (Class 4.8)

Domed top, square under the head - M6

### Material & Geometry

| | |
|---|---|
| Material | Carbon Steel |
| Bolt diameter (mm) | M6 |
| Inner thread diameter (mm) | 5.864 |

### Mechanical Strength & Stiffness

| | |
|---|---|
| Characteristic yield moment $M_{y,k}$ at 12° [Nmm] (thread section) in acc. to EN 409 | 11077 |
| Characteristic tensile strength $R_m$ [MPa] in acc. with EN ISO 898-1 | 543 |

### Durability

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

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## Carriage Bolts (Class 4.8)

Domed top, square under the head - M8

### Material & Geometry

| | |
|---|---|
| Material | Carbon Steel |
| Bolt diameter (mm) | M8 |
| Inner thread diameter (mm) | 7.829 |

### Mechanical Strength & Stiffness

| | |
|---|---|
| Characteristic yield moment $M_{y,k}$ at 10° [Nmm] (thread section) in acc. to EN 409 | 26076 |
| Characteristic tensile strength $R_m$ [MPa] in acc. with EN ISO 898-1 | 522 |

### Durability

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

## Carriage Bolts (Class 4.8)

Domed top, square under the head - M10

### Material & Geometry

| | |
|---|---|
| Material | Carbon Steel |
| Bolt diameter (mm) | M10 |
| Inner thread diameter (mm) | 9.804 |

### Mechanical Strength & Stiffness

| | |
|---|---|
| Characteristic yield moment $M_{y,k}$ at 9° [Nmm] (thread section) in acc. to EN 409 | 53037 |
| Characteristic tensile strength $R_m$ [MPa] in acc. with EN ISO 898-1 | 555 |

### Durability

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

# Declaration of Performance

## Carriage Bolts (Class 4.8)

Domed top, square under the head - M12

### Material & Geometry

| | |
|---|---|
| Material | Carbon Steel |
| Bolt diameter (mm) | M12 |
| Inner thread diameter (mm) | 10.374 |

### Mechanical Strength & Stiffness

| | |
|---|---|
| Characteristic yield moment $M_{y,k}$ at 8° [Nmm] (thread section) in acc. to EN 409 | 72956 |
| Characteristic tensile strength $R_m$ [MPa] in acc. with EN ISO 898-1 | 523 |

### Durability

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