Date: 24/01/2023

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-00674-2, CPR-J-01568-22 to CPR-J-01570-22.
Test Report Number: No. 30-15987/1/JP to 30-16195/1/JP to 30-16195/3/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 & 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)	5.826

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 12° [Nmm] (thread section) in acc. to EN 409	14177
Characteristic tensile strength R_m [MPa] in acc. with EN ISO 898-1	-

Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 & 2 acc. to EN 1995-1-1

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)	7.759

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 10° [Nmm] (thread section) in acc. to EN 409	32679
Characteristic tensile strength R_m [MPa] in acc. with EN ISO 898-1	-

Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 & 2 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)	9.796

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 9° [Nmm] (thread section) in acc. to EN 409	50917
Characteristic tensile strength R_m [MPa] in acc. with EN ISO 898-1	-

Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 & 2 acc. to EN 1995-1-1

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)	11.712

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 8° [Nmm] (thread section) in acc. to EN 409	75678
Characteristic tensile strength R_m [MPa] in acc. with EN ISO 898-1	-

Durability

Coating (Finish)	Zinc coating
Corrosion protection	Service Class 1 & 2 acc. to EN 1995-1-1