Date: 22/03/2022

v1

Declaration of Performance

Classic Multi-Purpose Screws

CE

Material - Stainless Steel A4

Head Type - Double Countersunk

Screw Diameter (mm) - 3.0, 3.5, 4.0, 5.0, 6.0

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: CPR-J-01097-21 to CPR-J-01102-21
Test Report Number: No. 30-15505/1/1/JD to No. 30-15505/5/1/JD

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 2021	2021
Name	Position	Signature	Location & Date	Test Year

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø3.0mm

Material & Geometry

Material	Stainless Steel A4
Screw diameter (mm)	3.0
Head diameter (mm)	5.75
Inner thread diameter (mm)	1.96

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 20° [Nmm] (thread section) in acc. to EN 409	1002
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	16.17
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	11.40
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	27.87
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	2.27
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	2.32

Durability

Coating (Finish)	N/A
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø3.5mm

Material & Geometry

Material	Stainless Steel A4
Screw diameter (mm)	3.5
Head diameter (mm)	6.82
Inner thread diameter (mm)	2.19

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409	1186
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood $\rho_k = 350 kg/m^3$	15.60
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood $\rho_k = 350 kg/m^3$	12.71
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood $\rho_k = 350 kg/m^3$	26.74
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	2.77
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450 kg/m^3$	1.95

Durability

Coating (Finish)	N/A
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø4.0mm

Material & Geometry

Material	Stainless Steel A4
Screw diameter (mm)	4.0
Head diameter (mm)	7.79
Inner thread diameter (mm)	2.51

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 17° [Nmm] (thread section) in acc. to EN 409	2544
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	16.82
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	14.55
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	26.02
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	3.69
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.51

Durability

Coating (Finish)	N/A
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø5.0mm

Material & Geometry

Material	Stainless Steel A4
Screw diameter (mm)	5.0
Head diameter (mm)	9.76
Inner thread diameter (mm)	3.06

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (thread section) in acc. to EN 409	4693
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	15.35
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	12.31
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	23.59
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	5.23
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.57

Durability

Coating (Finish)	N/A
Corrosion protection	Service Class 3 acc. to EN 1995-1-1

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Cert No: CPR-J-01102-21

Test Report No: 30-15505/5/1/JD

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø6.0mm

Material & Geometry

Material	Stainless Steel A4
Screw diameter (mm)	6.0
Head diameter (mm)	11.76
Inner thread diameter (mm)	3.68

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 12° [Nmm] (thread section) in acc. to EN 409	8547
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	14.95
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 350kg/m³	12.90
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	22.90
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	7.13
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.98

Durability

Coating (Finish)	N/A
Corrosion protection	Service Class 3 acc. to EN 1995-1-1