Date: 26/10/2022
v1

Declaration of Performance

Classic Multi-Purpose Screws

CE

Material - Stainless Steel A2 (SUS-302)

Head Type - Double Countersunk

Screw Diameter (mm) - 3.0, 3.5, 4.0, 4.5, 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-01467-22 to CPR-J-01472-22
Test Report Number: No. 30-16196/1/JP to No. 30-16196/6/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

Declaration of Performance

Classic Multi-Purpose Screws

Double Countersunk Head - Ø3.0mm

Material & Geometry

Material	Stainless Steel A2 (SUS-302)
Screw diameter (mm)	3.0
Head diameter (mm)	5.87
Inner thread diameter (mm)	2.01

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 20° [Nmm] (thread section) in acc. to EN 409	1025
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	19.02
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	15.60
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	32.87
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	2.21
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	3.06

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 A2 (SUS-302)
Screw diameter (mm)	3.5
Head diameter (mm)	6.84
Inner thread diameter (mm)	2.31

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409	1867
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	17.55
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	13.95
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	27.21
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	2.97
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	2.22

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 A2 (SUS-302)
Screw diameter (mm)	4.0
Head diameter (mm)	7.75
Inner thread diameter (mm)	2.62

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 17° [Nmm] (thread section) in acc. to EN 409	2882
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	16.70
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	13.37
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	24.08
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	3.92
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.79

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 - Ø4.5mm

Material & Geometry

Material	Stainless Steel A2 (SUS-302)
Screw diameter (mm)	4.5
Head diameter (mm)	8.76
Inner thread diameter (mm)	2.71

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 15° [Nmm] (thread section) in acc. to EN 409	3494
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	16.27
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	12.96
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	22.95
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	4.48
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.75

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 A2 (SUS-302)
Screw diameter (mm)	5.0
Head diameter (mm)	9.76
Inner thread diameter (mm)	3.04

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (thread section) in acc. to EN 409	4881
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	15.50
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	11.79
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	22.44
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	5.47
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.80

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 - Ø6.0mm

Material & Geometry

Material	Stainless Steel A2 (SUS-302)
Screw diameter (mm)	6.0
Head diameter (mm)	11.79
Inner thread diameter (mm)	3.74

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 12° [Nmm] (thread section) in acc. to EN 409	9325
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	14.47
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	11.06
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 350kg/m³	22.12
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	7.49
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	1.68

Durability

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