

Declaration of Performance

No. DOP-03-GLN-08-S2011 / Page 1 of 4

Slab Nails



Material - Carbon Steel

Head Type - Washer

Nail Diameter (mm) - 3.35, 3.75, 4.50

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: E30-20419-16, E-30-20420-16, E-30-20421-16

Test Report Number: No. 30-10775/5, 30-10775/6, 30-10775/7

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
2016

2016

Name

Position

Signature

Location & Date

Test Year

Declaration of Performance

No. DOP-03-GLN-08-S2011 / Page 2 of 4

Slab Nails

Washer Head - Ø3.35mm

Material & Geometry

| Material | Carbon Steel |
|------------------------------|--------------|
| Screw diameter (mm) | 3.35 |
| Head area (mm ²) | 346.1 |
| Point length (mm) | 5.04 |

Mechanical Strength & Stiffness

| | |
|--|-------|
| Characteristic yield moment $M_{y,k}$ at 45° [Nmm] in acc. to EN 409 | 5873 |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 3.43 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 2.27 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm ²] in acc. to EN 1383 with density of wood $\rho_k = 380\text{kg/m}^3$ | 10.91 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383 | 3.73 |

Durability

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

Declaration of Performance

No. DOP-03-GLN-08-S2011 / Page 3 of 4

Slab Nails

Washer Head - Ø3.75mm

Material & Geometry

| Material | Carbon Steel |
|------------------------------|--------------|
| Screw diameter (mm) | 3.75 |
| Head area (mm ²) | 349.27 |
| Point length (mm) | 5.09 |

Mechanical Strength & Stiffness

| | |
|--|-------|
| Characteristic yield moment $M_{y,k}$ at 45° [Nmm] in acc. to EN 409 | 7020 |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 3.60 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 2.06 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm ²] in acc. to EN 1383 with density of wood $\rho_k = 400\text{kg/m}^3$ | 10.11 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383 | 6.89 |

Durability

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

Declaration of Performance

Slab Nails

Washer Head - Ø4.50mm

Material & Geometry

| Material | Carbon Steel |
|------------------------------|--------------|
| Screw diameter (mm) | 4.50 |
| Head area (mm ²) | 338.69 |
| Point length (mm) | 7.84 |

Mechanical Strength & Stiffness

| | |
|--|-------|
| Characteristic yield moment $M_{y,k}$ at 45° [Nmm] in acc. to EN 409 | 12982 |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 3.52 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 350\text{kg/m}^3$ | 2.44 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm ²] in acc. to EN 1383 with density of wood $\rho_k = 380\text{kg/m}^3$ | 9.98 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383 | 9.31 |

Durability

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