SENCO® Performance. Power. Productivity.™

# Declaration of Performance

## PRODUCT IDENTIFICATION

Following articles which are sold in the brand name Senco are covered by this Declaration of Performance:

CE

Article number

| | |
|---|---|
| **GD25APBF** | **GD28APBF** |
| **GD26APBF** | **GD29APBF** |
| **GD27APBF** | **GD25AABF** |

The manufacturer declares for:

**Round cross-section plain shank nail, diameter 2,87 mm up to 90 mm**

Product is in accordance with EN 14592:2008 + A1:2012 "Timber Structures - Dowel-type fasteners - Requirements"

Initial Type Testing was performed to confirm essential characteristic values in accordance to table ZA.1 in EN 14592:2008 + A1:2012. Declared values accompanies with the CE mark in this technical document.

Initinal Type Testing is performed by notified body: **1686**

For this product the compliance with the conditions of the Annex ZA in EN 14592 are accomplished.

Treatment:
Bright Basic - Service Class 1
Electro galvanized - Service Class 1
Electro galvanized 12 µm - Service Class 1,2
Hot dipped galvanized 55 µm - Service Class 1, 2, 3
Stainless Steel A2 - Service Class 1, 2, 3

## Dimensions

**Bright Basic**

| Length | Diameter (mm) | Shank type | Length of threaded part (mm) | Length of point (mm) |
|---|---|---|---|---|
| 65mm | 2,87 | Smooth | NA | 3,7 |
| 70mm | | | | |
| 75mm | | | | |
| 80mm | | | | |
| 90mm | | | | |

**Electro galvanized / Electro galvanized 12 µm**

| Length | Diameter (mm) | Shank type | Length of threaded part (mm) | Length of point (mm) |
|---|---|---|---|---|
| 65mm | 2,87 | Smooth | NA | 3,7 |

# Mechanical strenght and stiffness

**Bright Basic**

| Length | Characteristic yield moment (Nmm) | Characteristic withdrawal parameter (N/mm²)*,** | Characteristic head pull through parameter (N/mm²) | Characteristic tensile strenght (N/mm²) | Coating length (mm) | Head cross sectional (mm²) |
|---|---|---|---|---|---|---|
| 65mm | 2698 | 3,44 | 24,43 | 695 | 49,5 | 36 |
| 70mm | | | | | 52,5 | |
| 75mm | | | | | 55,5 | |
| 80mm | | | | | 58,5 | |
| 90mm | | | | | 61,5 | |

**Electro galvanized / Electro galvanized 12 µm**

| Length | Characteristic yield moment (Nmm) | Characteristic withdrawal parameter (N/mm²)*,** | Characteristic head pull through parameter (N/mm²) | Characteristic tensile strenght (N/mm²) | Coating length (mm) | Head cross sectional (mm²) |
|---|---|---|---|---|---|---|
| 65mm | 2698 | 3,44 | 24,43 | 695 | 49,5 | 36 |

* The withdrawal parameter $f_{ax,k}$ is tested in wood with characteristic density of ρk=350kg/m³
** Coating type 3

System of assessment and verification of constancy of performance for timber fasteners used for structural products is 3.

A Factory Production Control system is established and maintained under responsibilities of the manufacturer:
Name and contact address of the manufacturer
**Verpa Senco B.V.**
**Pascallaan 88**
**8218 NJ Lelystad, The Netherlands**

This declaration of performance is valid until any changes in the product, the raw material or the production process is performed, which would significantly change the declared characteristics.

June 14, 2013
Lelystad, The Netherlands

Fred van Gerven,
Technical Manager

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