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

SE14AABV	**SE16APBV**	**SE16AABV**	**SE19AABV**	**SE21ASBVR**
SE14APBV	**SE17APBV**	**SE16ASBVR**	**SE19ASBVR**	**SE17CABV**
SE14CABV	**SE19APBV**	**SE17AABV**	**SE21AABV**	**SE19CABV**
SE15CABV	**SE15AABV**	**SE17APAV**	**SE21APBV**	**SE21CABV**
SE15APBV	**SE15ASBVR**	**SE17ASBVR**	**SE21ASBV**	

The manufacturer declares for:

Round cross-section ring shank nail, diameter 2,1 mm up to 50 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)
28mm	2,1	Ring	16	3,3
32mm			14	
35mm			17	
38mm			20	
45mm			30	
50mm			35	

Electro galvanized / Electro galvanized 12 µm

Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
28mm	2,1	Ring	16	3,3
32mm			14	
35mm			17	
38mm			20	
45mm			30	
50mm			35	

Hot dipped galvanized				
Length	**Diameter (mm)**	**Shank type**	**Length of threaded part (mm)**	**Length of point (mm)**
32mm	2,1	Ring	14	3,3
35mm			17	
38mm			20	
45mm			30	
50mm			35	

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)**
28mm	1062	6,2	25,12	777	19,5	19
32mm					22,5	
35mm					25,5	
38mm					28,5	
45mm					37,5	
50mm					40,5	
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)**
28mm	1062	6,9	25,12	777	19,5	19
32mm					22,5	
35mm					25,5	
38mm					28,5	
45mm					37,5	
50mm					40,5	
Hot dipped galvanized						
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)**
32mm	1062	6,9	19,81	777	22,5	19
35mm					25,5	
38mm					28,5	
45mm					37,5	
50mm					40,5	

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

** Coating type 3

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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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