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

EL17APBB	**EL24APBB**	**EL17AABH**	**EL24AABB**	**EL21ASBHR**
EL17APBH	**EL24APBH**	**EL19AABH**	**EL21AGBB**	**EL22ASBHR**
EL21APBB	**EL25APBH**	**EL22AABH**	**EL17ASBHR**	**EL24ASBHR**
EL22APBH	**EL17AABB**	**EL21AABB**	**EL19ASBHR**	**EL25ASBHR**

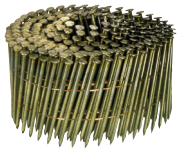
The manufacturer declares for:

Round cross-section ring shank nail, diameter 2,3 mm up to 65 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)
38mm	2,3	Ring	19	3,6
50mm			31	
55mm			36	
60mm			41	
65mm			46	

Electro galvanized / Electro galvanized 12 µm

Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
38mm	2,3	Ring	19	3,6
45mm			26	
50mm			31	
55mm			36	
60mm			41	

Stainless Steel (A2)

Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,3	Ring	31	3,6

Hot dipped galvanized

Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
38mm	2,3	Ring	19	3,6
45mm			26	
50mm			31	
55mm			36	
60mm			41	
65mm			46	

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)
38mm	1575	8,91	22,45	629	25,5	23
50mm					37,5	
55mm					40,5	
60mm					46,5	
65mm					49,5	

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)
38mm	1575	7,67	22,45	629	25,5	23
45mm					31,5	
50mm					37,5	
55mm					40,5	
60mm					46,5	

Stainless Steel (A2)

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)
50mm	1575	8,91	22,45	629	37,5	23

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)**
38mm	1575	7,67	22,45	629	25,5	23
45mm					31,5	
50mm					37,5	
55mm					40,5	
60mm					46,5	
65mm					49,5	

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