

PRODUCT IDENTIFICATION

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



Article number

EC52APBKR	EC51AABKR	EC54APB
EC54APBKR	EC52AABKR	EC51ASB
EC49AABKR	EC54AABKR	EC54ASB

The manufacturer declares for:

Round cross-section plain shank nail, diameter 2,3 mm up to 60 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.

Initial 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)
55mm	2,3	Smooth	NA	3,6
60mm				
Electro galvanized / Electro galvanized 12 µm				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
45mm	2,3	Smooth	NA	3,6
50mm				
55mm				
60mm				
Hot dipped galvanized 55 µm				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,3	Smooth	30	3,6
60mm			40	

Mechanical strenght and stiffness

Bright Basic						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*,**	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Coating length (mm)	Head cross sectional (mm ²)
55mm	1575	7,18	22,45	629	39	24
60mm					44	
Electro galvanized / Electro galvanized 12 µm						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*,**	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Coating length (mm)	Head cross sectional (mm ²)
45mm	1575	7,18	22,45	629	29	24
50mm					34	
55mm					39	
60mm					44	
Hot dipped galvanized 55 µm						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*,**	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Coating length (mm)	Head cross sectional (mm ²)
50mm	1575	7,18	22,45	629	31	24
60mm					36	

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

** 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