

## PRODUCT IDENTIFICATION

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



Article number

<b>HC60APB</b>	<b>HC59APBKR(F)</b>	<b>HC59AABKR(F)</b>	<b>HC60ASBKR</b>	<b>HC59AXB</b>
<b>HC56APB</b>	<b>HC56AAB</b>	<b>HC59EABKR</b>	<b>HC59AXBKR(F)</b>	
<b>HC57APB</b>	<b>HC57AAB</b>	<b>HC59ASBKR</b>	<b>HC59EPB</b>	
<b>HC58APB</b>	<b>HC58AAB</b>	<b>HC59ESBKR</b>	<b>HC85ASBKR</b>	
<b>HC59APB</b>	<b>HC59AAB</b>	<b>HC60APBKR</b>	<b>HC59EAB</b>	

The manufacturer declares for:

### Round cross-section plain shank nail, diameter 3,1 mm up to 100 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)
100mm	3,1	Smooth	NA	4,0
70mm				
75mm				
80mm				
90mm				
Electro galvanized / Electro galvanized 12 µm				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
70mm	3,1	Smooth	NA	4,0
75mm				
80mm				
90mm				

Hot dipped galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
85mm	3,1	Smooth	NA	4,0
90mm				
100mm				

## Mechanical strenght and stiffness

Bright Basic						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm <sup>2</sup> )*,**	Characteristic head pull through parameter (N/mm <sup>2</sup> )	Characteristic tensile strenght (N/mm <sup>2</sup> )	Coating length (mm)	Head cross sectional (mm <sup>2</sup> )
100mm	2570	3,1	30,1	633	70	30
70mm					40	
75mm					45	
80mm					50	
90mm					60	
Electro galvanized / Electro galvanized 12 µm						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm <sup>2</sup> )*,**	Characteristic head pull through parameter (N/mm <sup>2</sup> )	Characteristic tensile strenght (N/mm <sup>2</sup> )	Coating length (mm)	Head cross sectional (mm <sup>2</sup> )
70mm	2570	3,1	30,1	633	40	30
75mm					45	
80mm					50	
90mm					60	
Hot dipped galvanized						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm <sup>2</sup> )*,**	Characteristic head pull through parameter (N/mm <sup>2</sup> )	Characteristic tensile strenght (N/mm <sup>2</sup> )	Coating length (mm)	Head cross sectional (mm <sup>2</sup> )
85mm	2570	3,1	30,1	633	52	30
90mm					60	
100mm					70	

\* 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 18, 2013

Lelystad, The Netherlands



Fred van Gerven,  
Technical Manager

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