

## PRODUCT IDENTIFICATION

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



Article number

<b>GC51APBKR</b>	<b>GC56APBKR</b>	<b>GC52AABKR</b>	<b>GC51ASBKR</b>	<b>GC57ASBKR</b>
<b>GC52APBKR</b>	<b>GC57APBKR</b>	<b>GC55AABKR</b>	<b>GC54ASBKR</b>	<b>GC57EPB</b>
<b>GC54APB</b>	<b>GC58APBKR</b>	<b>GC56AABKR</b>	<b>GC55ASBKR</b>	<b>GC57ESBKR</b>
<b>GC54EPB</b>	<b>GC85APBKR</b>	<b>GC56EAB</b>	<b>GC85ASBKR</b>	
<b>GC55APBKR</b>	<b>GC51AABKR</b>	<b>GC57AABKR</b>	<b>GC55ESBKR</b>	

The manufacturer declares for:

### Round cross-section plain shank nail, diameter 2,87 mm up to 85 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)
50mm	2,87	Smooth	NA	3,7
55mm				
60mm				
65mm				
70mm				
75mm				
80mm				
85mm				
Electro galvanized / Electro galvanized 12 µm				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,87	Smooth	NA	3,7
55mm				
65mm				
70mm				
75mm				

Hot dipped galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,87	Smooth	NA	3,7
60mm				
65mm				
75mm				
85mm				

## 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> )
50mm	3054	2,45	27,12	695	26	30
55mm					31	
60mm					36	
65mm					41	
70mm					43	
75mm					48	
80mm					53	
85mm					58	

  

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> )
50mm	3054	2,45	27,12	695	26	30
55mm					31	
65mm					41	
70mm					43	
75mm					48	

  

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> )
50mm	3054	2,45	27,12	695	26	30
60mm					36	
65mm					41	
75mm					48	
85mm					58	

\* 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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