

## PRODUCT IDENTIFICATION

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



Article number

HE57AABKR(F)  
HE55AXBKR(F)  
HE57AXBKR(F)

HE57APB  
HE59APB  
HE59APBKR

HE59AGBKR  
HE59AXB  
HE56AAB

HE56AXB  
HE58AAB  
HE59AAB

HE59AABKR  
HE59ASBKR  
HE98ASBKR

The manufacturer declares for:

**Round cross-section ring shank nail, diameter 3,1 mm up to 90 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)
75mm	3,1	Ring	47	4,0
90mm			62	
Electro galvanized / Electro galvanized 12 µm				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
65mm	3,1	Ring	37	4,0
70mm			42	
75mm			47	
80mm			52	
90mm			62	
Hot dipped galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
90mm	3,1	Ring	62	4,0
98mm			71	

Stainless steel				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
90mm	3,1	Ring	62	4,0

## 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)
75mm	2936	7,6	20,72	633	42	30
90mm					60	
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)
65mm	2936	7,6	20,72	633	33	30
70mm					37	
75mm					42	
80mm					50	
90mm					60	
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)
90mm	2936	7,6	20,72	633	60	30
98mm					on request	
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)
75mm	3257	7,6	20,72	633	60	30

\* 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

Document no: VS-CPR-201305-S029