

PRODUCT IDENTIFICATION

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



Article number

GE51APB	GE57APB	GE55AAB	GE55APBKR	GE51AXBKR(F)
GE52APBKR	GE58APB	GE57AAB	GE57APBKR	GE55AXBKR(F)
GE54APB	GE51AABKR(F)	GE55ASBKR	GE55AABKR(F)	GE57AGBKR
GE55APB	GE54AAB	GE57ASBKR	GE51ASBKR	

The manufacturer declares for:

Round cross-section ring shank nail, diameter 2,87 mm up to 80 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	Ring	30	3,7
55mm			35	
60mm			40	
65mm			45	
75mm			55	
80mm			60	

Electro galvanized / Electro galvanized 12 µm

Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,87	Ring	30	3,7
60mm			40	
65mm			45	
75mm			55	

Hot dipped galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
50mm	2,87	Ring	30	3,7
65mm			45	
75mm			55	

Stainless Steel A2				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
75mm	2,87	Ring	55	3,7

Mechanical strength and stiffness

Bright Basic						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm²)*, **	Characteristic head pull through parameter (N/mm²)	Characteristic tensile strength (N/mm²)	Coating length (mm)	Head cross sectional (mm²)
50mm	2525	7,8	20,3	695	28	30
55mm					33	
60mm					38	
65mm					43	
75mm					50	
80mm					55	

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 strength (N/mm²)	Coating length (mm)	Head cross sectional (mm²)
50mm	2570	7,35	20,3	695	28	30
60mm					38	
65mm					43	
75mm					50	

Hot dipped galvanized						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm²)*, **	Characteristic head pull through parameter (N/mm²)	Characteristic tensile strength (N/mm²)	Coating length (mm)	Head cross sectional (mm²)
50mm	2570	7,5	20,3	695	28	30
65mm					43	
75mm					50	

Stainless Steel A2						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm²)*, **	Characteristic head pull through parameter (N/mm²)	Characteristic tensile strength (N/mm²)	Coating length (mm)	Head cross sectional (mm²)
75mm	2640	7,5	20,3	695	50	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



Performance. Power.
Productivity.™

Declaration of Performance

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-S027