

PRODUCT IDENTIFICATION

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

Article number

HJ11ATAV	HJ17ATAV	HJ15ASAVR
HJ13ATAV	HJ13ASAVR	HJ17ASAVR
HJ15ATAV	HJ15ASAV	HJ19ASAVR

The manufacturer declares for:

Round cross-section plain shank nail, diameter 3,1 mm up to 45 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

Mechanical galvanized 30 µm - Service Class 1, 2, 3

Stainless Steel A2 - Service Class 1, 2, 3



Dimensions

Electro galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
19mm	3,1	Smooth	NA	3,8
25mm				
32mm				
38mm				
Hot dipped galvanized				
Length	Diameter (mm)	Shank type	Length of threaded part (mm)	Length of point (mm)
25mm	3,1	Smooth	NA	3,8
32mm				
38mm				
45mm				

Mechanical strenght and stiffness

Electro 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)
19mm	3193	3,9	36,5	621	NA	72
25mm						
32mm						
38mm						
Hot dipped galvanized / Mechanical 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)
25mm	3193	3,9	36,5	621	NA	72
32mm						
38mm						
45mm						

* 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

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