

PRODUCT IDENTIFICATION

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



Article number

42RH40MC	42RH35MR	42RH55MR	42RH50MS	42RH45MY
42RH45MC	42RH40MR	42RH35MS	42RH55MS	42RH50MY
42RH55MC	42RH45MR	42RH40MSL	42RH35MY	42RH55MY
42RH75MC	42RH50MR	42RH45MS	42RH40MYL	

The manufacturer declares for:

Screw, diameter 4,2mm up to 75 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:

Clear Zinc - Service Class 1

Stainless Steel A2 - Service Class 1, 2, 3

Phosphate - Service Class 1

Weatherex II - Service Class 1, 2, 3

Yellow Zinc - Service Class 1

Ruspurt II - Service Class 1,2

Dimensions

Clear Zinc			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
40mm	4,2	35mm	7
45mm		40mm	
55mm		50mm	
75mm		70mm	
Ruspurt II			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
35mm	4,2	30mm	7
40mm		35mm	
45mm		40mm	
50mm		45mm	
55mm		50mm	

Stainless Steel (AISI 304/A2)			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
35mm	4,2	30mm	7
40mm		35mm	
45mm		40mm	
50mm		45mm	
55mm		50mm	
Yellow Zinc			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
35mm	4,2	30mm	7
40mm		35mm	
45mm		40mm	
50mm		45mm	
55mm		50mm	

Mechanical strenght and stiffness

Clear Zinc						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Characteristic torsional strenght (Nmm)	Characteristic torsional resistance (Nmm)
40mm	3283	12,35	31,3	4729	3,45	1,1
45mm						
55mm						
75mm						
Ruspurt II						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Characteristic torsional strenght (Nmm)	Characteristic torsional resistance (Nmm)
35mm	3283	12,35	31,3	4729	3,76	1,79
40mm						
45mm						
50mm						
55mm						
Stainless Steel (AISI 304/A2)						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strenght (N/mm ²)	Characteristic torsional strenght (Nmm)	Characteristic torsional resistance (Nmm)
35mm	2422	12,35	31,3	2505	3	1,88
40mm						
45mm						
50mm						
55mm						

Yellow Zinc						
Length	Characteristic yield moment (Nmm)	Characteristic withdrawal parameter (N/mm ²)*	Characteristic head pull through parameter (N/mm ²)	Characteristic tensile strength (N/mm ²)	Characteristic torsional strength (Nmm)	Characteristic torsional resistance (Nmm)
35mm	3582	12,35	31,3	4504	3,47	1,47
40mm						
45mm						
50mm						
55mm						

* The withdrawal parameter $f_{ax,k}$ is tested in wood with characteristic density of $\rho_k=350\text{kg/m}^3$

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 25, 2013

Lelystad, The Netherlands



Fred van Gerven,
Technical Manager

Document no: VS-CPR-201305-S036