

PRODUCT IDENTIFICATION

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



Article number

42R20MY-PL	42R35MY	42R45MS	42R50MW	42R55MY
42R25MY	42R35MY-PL	42R45MWL	42R50MY	42R55MY-PL
42R25MY-PL	42R35MYR	42R45MY	42R55MC	42R65MW
42R30MC	42R40MC	42R45MY-PL	42R55MR	42R75MW
42R35MC	42R40MR	42R50MC	42R55MS	42R75MY
42R35MS	42R40MW	42R50MR	42R55MW	
42R35MW	42R45MC	42R50MS	42R55MX	

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

Phosphate - Service Class 1

Yellow Zinc - Service Class 1

Ruspurt II - Service Class 1,2

Stainless Steel A2 - Service Class 1, 2, 3

Weatherex II - Service Class 1, 2, 3



Dimensions

Clear Zinc			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
30mm	4,2	25mm	7
35mm		30mm	
40mm		35mm	
45mm		40mm	
50mm		45mm	
55mm		50mm	
Ruspurt II			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
35mm	4,2	30mm	7
40mm		35mm	
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
45mm		40mm	
50mm		45mm	
55mm		50mm	
Weatherex 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	
65mm		60mm	
75mm		70mm	
Yellow Zinc			
Length	Diameter (mm)	Length of threaded part (mm)	Head diameter (mm)
20mm	4,2	15mm	7
25mm		20mm	
35mm		30mm	
45mm		40mm	
50mm		45mm	
55mm		50mm	
75mm		70mm	

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)
30mm	3283	12,35	31,3	4729	3,45	1,1
35mm						
40mm						
45mm						
50mm						
55mm						

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						
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
45mm						
50mm						
55mm						

Weatherex 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	3582	12,35	31,3	4504	3,47	1,47
40mm						
45mm						
50mm						
55mm						
65mm						
75mm						

Yellow 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)
20mm	3582	12,35	31,3	4504	3,47	1,47
25mm						
35mm						
45mm						
50mm						
55mm						
75mm						

* 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

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