



Declaration of Performance 23

1. Unique identification code of the product-type:	Decking screw																																																																		
2. Type, batch or serial number or any other element allowing identification of the construction product as required to Article 11(4): l_g = Thread length d_h = Diameter of the head d_1 = Minor diameter	Decking screw Protect 4 <table><tr><th>d x l (mm)</th><th>l_g (mm)</th><th>d_h (mm)</th><th>d_1 (mm)</th></tr><tr><td>4,2 x 42</td><td>25</td><td rowspan="2">6,8</td><td rowspan="2">2,5</td></tr><tr><td>4,2 x 55</td><td>25</td></tr><tr><td>4,8 x 75</td><td>45</td><td>7,8</td><td>3,2</td></tr><tr><td>5,3 x 72</td><td>43,5</td><td>8,3</td><td>3,3</td></tr></table> Decking screw C4 <table><tr><th>d x l (mm)</th><th>l_g (mm)</th><th>d_h (mm)</th><th>d_1 (mm)</th></tr><tr><td>4,2 x 42</td><td>25</td><td rowspan="2">6,8</td><td rowspan="2">2,5</td></tr><tr><td>4,2 x 55</td><td>25</td></tr><tr><td>4,8 x 75</td><td>45</td><td>7,8</td><td>3,2</td></tr></table> Decking screw Stainless A2 <table><tr><th>d x l (mm)</th><th>l_g (mm)</th><th>d_h (mm)</th><th>d_1 (mm)</th></tr><tr><td>4,2 x 30</td><td>18</td><td rowspan="3">6,9</td><td rowspan="3">2,4</td></tr><tr><td>4,2 x 42</td><td>25</td></tr><tr><td>4,2 x 55</td><td>32</td></tr><tr><td>4,8 x 75</td><td>45</td><td>7,8</td><td>2,9</td></tr><tr><td>5,0 x 100</td><td>60</td><td>8,0</td><td>3,1</td></tr></table> Decking screw Stainless A4 <table><tr><th>d x l (mm)</th><th>l_g (mm)</th><th>d_h (mm)</th><th>d_1 (mm)</th></tr><tr><td>4,2 x 42</td><td>25</td><td rowspan="2">6,9</td><td rowspan="2">2,4</td></tr><tr><td>4,2 x 55</td><td>32</td></tr><tr><td>4,8 x 75</td><td>45</td><td>7,8</td><td>2,9</td></tr></table>	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	4,2 x 42	25	6,8	2,5	4,2 x 55	25	4,8 x 75	45	7,8	3,2	5,3 x 72	43,5	8,3	3,3	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	4,2 x 42	25	6,8	2,5	4,2 x 55	25	4,8 x 75	45	7,8	3,2	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	4,2 x 30	18	6,9	2,4	4,2 x 42	25	4,2 x 55	32	4,8 x 75	45	7,8	2,9	5,0 x 100	60	8,0	3,1	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	4,2 x 42	25	6,9	2,4	4,2 x 55	32	4,8 x 75	45	7,8	2,9
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3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	Screw with a thread designed to join/merge wood construction.																																																																		
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):	Heco Nordiska AB Nyhems Industriområde 335 73 Hillerstorp +46 370-37 51 00 www.heco.se																																																																		

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	Not relevant (see item 4)
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	System 3
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:	Laboratory for Structures of Slovenian National Building and Civil Engineering Institute (ZAG Ljubljana) identification number 1404 has performed the initial type testing according to system 3 and has issued the type testing report.
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	Not relevant (see item 7)

9. Declared performance (Characteristic values)

Decking screw Protect 4

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
Yield moment	4.2	1850 Nmm	EN 14592:2008+A1:2012
	4.8	3430 Nmm	
	5.3	4260 Nmm	
Withdrawal ($\rho_k=450 \text{ kg/m}^3$)	4.2	16,7 N/mm ²	EN 14592:2008+A1:2012
	4.8	16,4 N/mm ²	
	5.3	17,0 N/mm ²	
Head pull through ($\rho_k=450 \text{ kg/m}^3$)	4.2	16,7 N/mm ²	EN 14592:2008+A1:2012
	4.8	13,5 N/mm ²	
	5.3	38,1 N/mm ²	
Tensile capacity ($f_{\text{tens}, k}$)	4.2	5,4 kN	EN 14592:2008+A1:2012
	4.8	7,9 kN	
	5.3	8,4 kN	
Torsional ratio			EN 14592:2008+A1:2012
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=3,4 \text{ Nm}$)	4.2	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=6,1 \text{ Nm}$)	4.8	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=6,8 \text{ Nm}$)	5.3	$\geq 1,5$	
Durability C4		Service class 3	EN 1995-1-1

Decking screw C4

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
Yield moment	4.2	2350 Nmm	EN 14592:2008+A1:2012
	4.8	4250 Nmm	
Withdrawal ($\rho_k=450 \text{ kg/m}^3$)	4.2	17,3 N/mm ²	EN 14592:2008+A1:2012
	4.8	14,8 N/mm ²	
Head pull through ($\rho_k=450 \text{ kg/m}^3$)	4.2	16,7 N/mm ²	EN 14592:2008+A1:2012
	4.8	13,3 N/mm ²	
Tensile capacity ($f_{\text{tens}, k}$)	4.2	6,0 kN	EN 14592:2008+A1:2012
	4.8	8,2 kN	
Torsional ratio			EN 14592:2008+A1:2012
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=3,8 \text{ Nm}$)	4.2	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=5,9 \text{ Nm}$)	4.8	$\geq 1,5$	
Durability C4		Service class 3	EN 1995-1-1

Decking screw Stainless A2

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
Yield moment	4.2	1080 Nmm	EN 14592:2008+A1:2012
	4.8	2150 Nmm	
	5.0	1520 Nmm	
Withdrawal ($\rho_k=450 \text{ kg/m}^3$)	4.2	14,4 N/mm ²	EN 14592:2008+A1:2012
	4.8	17,4 N/mm ²	
	5.0	16,9 N/mm ²	
Head pull through ($\rho_k=450 \text{ kg/m}^3$)	4.2	22,4 N/mm ²	EN 14592:2008+A1:2012
	4.8	12,5 N/mm ²	
	5.0	19,0 N/mm ²	
Tensile capacity ($f_{\text{tens}, k}$)	4.2	3,0 kN	EN 14592:2008+A1:2012
	4.8	5,0 kN	
	5.0	3,6 kN	
Torsional ratio			EN 14592:2008+A1:2012
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=2,7 \text{ Nm}$)	4.2	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=4,0 \text{ Nm}$)	4.8	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=4,6 \text{ Nm}$)	5.0	$\geq 1,5$	
Durability C4		Service class 3	EN 1995-1-1

Decking screw Stainless A4

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
Yield moment	4.2	1110 Nmm	EN 14592:2008+A1:2012
	4.8	1690 Nmm	
Withdrawal ($\rho_k=450 \text{ kg/m}^3$)	4.2	17,8 N/mm ²	EN 14592:2008+A1:2012
	4.8	19,6 N/mm ²	
Head pull through ($\rho_k=450 \text{ kg/m}^3$)	4.2	20,8 N/mm ²	EN 14592:2008+A1:2012
	4.8	12,6 N/mm ²	
Tensile capacity ($f_{\text{tens}, k}$)	4.2	4,5 kN	EN 14592:2008+A1:2012
	4.8	4,8 kN	
Torsional ratio			EN 14592:2008+A1:2012
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=2,7 \text{ Nm}$)	4.2	$\geq 1,5$	
($\rho_k=450 \text{ kg/m}^3$, $f_{\text{tor}, k}=4,3 \text{ Nm}$)	4.8	$\geq 1,5$	
Durability C5		Service class 3	EN 1995-1-1

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Nicklas Sköld, Quality Manager

Hillerstorp 2017.02.10