



Declaration of Performance 3

1. Unique identification code of the product-type:	Wood 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	Wood 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>5,0 x 40</td><td>24</td><td rowspan="7">9,8</td><td rowspan="7">3,0</td></tr><tr><td>5,0 x 50</td><td>30</td></tr><tr><td>5,0 x 60</td><td>36</td></tr><tr><td>5,0 x 70</td><td>42</td></tr><tr><td>5,0 x 80</td><td>48</td></tr><tr><td>5,0 x 90</td><td>54</td></tr><tr><td>5,0 x 100</td><td>60</td></tr><tr><td>6,0 x 50</td><td>30</td><td rowspan="13">11,8</td><td rowspan="13">3,6</td></tr><tr><td>6,0 x 60</td><td>36</td></tr><tr><td>6,0 x 70</td><td>42</td></tr><tr><td>6,0 x 80</td><td>48</td></tr><tr><td>6,0 x 90</td><td>54</td></tr><tr><td>6,0 x 100</td><td>60</td></tr><tr><td>6,0 x 120</td><td>72</td></tr><tr><td>6,0 x 140</td><td>72</td></tr><tr><td>6,0 x 160</td><td>72</td></tr><tr><td>6,0 x 180</td><td>72</td></tr><tr><td>6,0 x 200</td><td>72</td></tr><tr><td>6,0 x 240</td><td>72</td></tr><tr><td>6,0 x 280</td><td>72</td></tr></table> Wood screw Protect 3 <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>5,0 x 60</td><td>36</td><td rowspan="4">9,8</td><td rowspan="4">3,0</td></tr><tr><td>5,0 x 80</td><td>48</td></tr><tr><td>5,0 x 90</td><td>54</td></tr><tr><td>5,0 x 100</td><td>60</td></tr><tr><td>6,0 x 80</td><td>48</td><td rowspan="3">11,8</td><td rowspan="3">3,7</td></tr><tr><td>6,0 x 100</td><td>60</td></tr><tr><td>6,0 x 120</td><td>72</td></tr></table>	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	5,0 x 40	24	9,8	3,0	5,0 x 50	30	5,0 x 60	36	5,0 x 70	42	5,0 x 80	48	5,0 x 90	54	5,0 x 100	60	6,0 x 50	30	11,8	3,6	6,0 x 60	36	6,0 x 70	42	6,0 x 80	48	6,0 x 90	54	6,0 x 100	60	6,0 x 120	72	6,0 x 140	72	6,0 x 160	72	6,0 x 180	72	6,0 x 200	72	6,0 x 240	72	6,0 x 280	72	d x l (mm)	l_g (mm)	d_h (mm)	d_1 (mm)	5,0 x 60	36	9,8	3,0	5,0 x 80	48	5,0 x 90	54	5,0 x 100	60	6,0 x 80	48	11,8	3,7	6,0 x 100	60	6,0 x 120	72
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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 Nyhem Industriområde 330 33 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:	SP Sveriges Tekniska Forskningsinstitut AB identification number 0402 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)

Wood screw Protect 4

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
$M_{y,k}$	5.0	4400 Nmm	EN 14592:2008+A1:2012
	6.0	8700 Nmm	
$F_{ax,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	13 N/mm ²	EN 14592:2008+A1:2012
	6.0	13 N/mm ²	
$F_{head,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	13 N/mm ²	EN 14592:2008+A1:2012
	6.0	12 N/mm ²	
$F_{tens,k}$	5.0	1000 N/mm ²	EN 14592:2008+A1:2012
	6.0	1000 N/mm ²	
$R_{tor,k}$			EN 14592:2008+A1:2012
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=5,1 \text{ Nm}$)	5.0	$\geq 1,5$	
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=9,1 \text{ Nm}$)	6.0	$\geq 1,5$	
Durability C4		Service class 3	EN 1995-1-1

Wood screw Protect 3

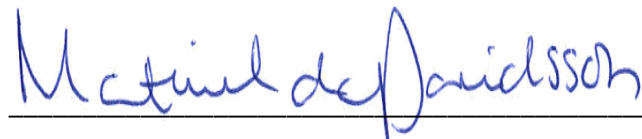
Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
$M_{y,k}$	5.0	4900 Nmm	EN 14592:2008+A1:2012
	6.0	3200 Nmm	
$F_{ax,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	14 N/mm ²	EN 14592:2008+A1:2012
	6.0	14 N/mm ²	
$F_{head,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	12 N/mm ²	EN 14592:2008+A1:2012
	6.0	11 N/mm ²	
$F_{tens,k}$	5.0	1200 N/mm ²	EN 14592:2008+A1:2012
	6.0	1100 N/mm ²	
$R_{tor,k}$			EN 14592:2008+A1:2012
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=6,0 \text{ Nm}$)	5.0	$\geq 1,5$	
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=10,0 \text{ Nm}$)	6.0	$\geq 1,5$	
Durability C3		Service class 3	EN 1995-1-1

Wood screw Zinc plated

Essential characteristics	Dimension (mm)	Performance	Harmonised technical specification
$M_{y,k}$	5.0	5300 Nmm	EN 14592:2008+A1:2012
	6.0	8700 Nmm	
$F_{ax,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	12 N/mm ²	EN 14592:2008+A1:2012
	6.0	14 N/mm ²	
$F_{head,k}$ ($\rho_k=350 \text{ kg/m}^3$)	5.0	14 N/mm ²	EN 14592:2008+A1:2012
	6.0	11 N/mm ²	
$F_{tens,k}$	5.0	1100 N/mm ²	EN 14592:2008+A1:2012
	6.0	1100 N/mm ²	
$R_{tor,k}$			EN 14592:2008+A1:2012
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=5,6 \text{ Nm}$)	5.0	$\geq 1,5$	
($\rho_k=350 \text{ kg/m}^3$, $f_{tor,k}=10,1 \text{ Nm}$)	6.0	$\geq 1,5$	
Durability		Service class 2	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:



Mathilda Davidsson, Quality manager

Hillerstorp 01.07.2013