KLIMAS Sp. z o.o.
ul. Wincentego Witosa 135/137
Kuźnica Kiedrzyńska 42-233 Mykanów
tel. +48 34 3777 100, fax +48 34 328 01 73

CE 16

DECLARATION OF PERFORMANCE No 25/SZ/16

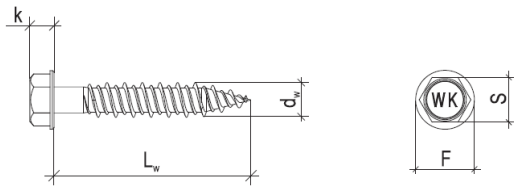
1. Unique identification code of the product-type: **WB6, WB6x, WB6-D, A2-WB6**
2. Intended use/es: **Fastening screws for metal members and sheeting**
3. Manufacturer: **KLIMAS Sp. z o.o.**
   ul. Wincentego Witosa 135/137
   Kuźnica Kiedrzyńska 42-233 Mykanów
4. Authorised representative: **not applicable**
5. System/s of AVCP: **system 2+**
6. European Assessment Document:
   a) European Assessment Document (EAD) 330046-01-0602 „Fastening screws for metal members and sheeting"
   b) European Technical Assessments – ETA-16/0443 of 30/06/2016
   c) Instytut Techniki Budowlanej
   d) Identification number of notified body- 1488
7. Declared performance/s:

Self-drilling screws with hexagon head WB6-6,3 x L, WB6x-6,3 x L, WB6-D-6,3 x L

Material
Fastener: carbon steel – SAE1022 or 19MnB4 quenched, tempered and galvanized
Washer: -
Component I: S280GD, S320GD or S350GD – EN 10346
Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 8,91 Nm
$f_{ax,k}$ = 16,586 N/mm² for $l_{ef} \geq 30$ mm



d_w = 6,3 mm
L_w = 19-90 mm
s = 10 mm
k = 5,3 mm

Characteristic resistance of shear and pull-out load

$t_{N,II}$ [mm]	0,50	0,55	0,63	0,75	0,88	1,00	1,25	1,50	Wood class ≥ C24		
$M_{t,nom}$	3 Nm								20 mm	30 mm	
Resistance of shear load $V_{R,k}$ [kN] for $t_{N,I}$ [mm] 0,50	—	—	—	—	—	—	—	—	—	1,35*	*bearing resistance of component I
0,55	—	—	—	—	—	—	—	—	—	1,35*	
0,63	—	—	—	—	—	—	—	—	—	1,70*	
0,75	—	—	—	—	—	—	—	—	—	2,10*	
0,88	—	—	—	—	—	—	—	—	—	2,10*	
1,00	—	—	—	—	—	—	—	—	—	2,10*	
1,13	—	—	—	—	—	—	—	—	—	2,10*	
1,25	—	—	—	—	—	—	—	—	—	2,10*	
1,50	—	—	—	—	—	—	—	—	—	2,10*	
1,75	—	—	—	—	—	—	—	—	—	2,10*	
2,00	—	—	—	—	—	—	—	—	—	2,10*	

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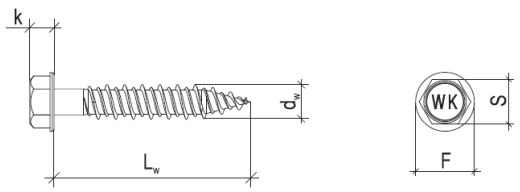
Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,I}$ [mm]												
	0,50	—	—	—	—	—	—	—	—	—	3,13*	*bearing resistance of component II
	0,55	—	—	—	—	—	—	—	—	—	3,13*	
	0,63	—	—	—	—	—	—	—	—	—	3,13*	
	0,75	—	—	—	—	—	—	—	—	—	3,13*	
	0,88	—	—	—	—	—	—	—	—	—	3,13*	
	1,00	—	—	—	—	—	—	—	—	—	3,13*	
	1,13	—	—	—	—	—	—	—	—	—	3,13*	
	1,25	—	—	—	—	—	—	—	—	—	3,13*	
	1,50	—	—	—	—	—	—	—	—	—	3,13*	
	1,75	—	—	—	—	—	—	—	—	—	3,13*	
	2,00	—	—	—	—	—	—	—	—	—	3,13*	

Self-drilling screws with hexagon head A2-WB6-6,3 x L

Material
Fastener: stainless steel – SAE 304 bi-metal
Washer: -
Component I: S280GD, S320GD or S350GD – EN 10346
Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 6,83 Nm
$f_{ax,k}$ = 16,586 N/mm^2 for $l_{ef} \geq$ 30 mm



d_w = 6,3 mm
L_w = 19-90 mm
s = 10 mm
k = 5,3 mm

Characteristic resistance of shear and pull-out load

$t_{N,II}$ [mm]	0,50	0,55	0,63	0,75	0,88	1,00	1,25	1,50	Wood class ≥ C24		
$M_{t,nom}$	3 Nm								20 mm	30 mm	
Resistance of shear load $V_{R,k}$ [kN] for $t_{N,I}$ [mm]											
0,50	—	—	—	—	—	—	—	—	—	1,35*	*bearing resistance of component I
0,55	—	—	—	—	—	—	—	—	—	1,35*	
0,63	—	—	—	—	—	—	—	—	—	1,70*	
0,75	—	—	—	—	—	—	—	—	—	2,10*	
0,88	—	—	—	—	—	—	—	—	—	2,10*	
1,00	—	—	—	—	—	—	—	—	—	2,10*	
1,13	—	—	—	—	—	—	—	—	—	2,10*	
1,25	—	—	—	—	—	—	—	—	—	2,10*	
1,50	—	—	—	—	—	—	—	—	—	2,10*	
1,75	—	—	—	—	—	—	—	—	—	2,10*	
2,00	—	—	—	—	—	—	—	—	—	2,10*	

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Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,i}$ [mm]	0,50	—	—	—	—	—	—	—	—	—	3,13*
	0,55	—	—	—	—	—	—	—	—	—	3,13*
	0,63	—	—	—	—	—	—	—	—	—	3,13*
	0,75	—	—	—	—	—	—	—	—	—	3,13*
	0,88	—	—	—	—	—	—	—	—	—	3,13*
	1,00	—	—	—	—	—	—	—	—	—	3,13*
	1,13	—	—	—	—	—	—	—	—	—	3,13*
	1,25	—	—	—	—	—	—	—	—	—	3,13*
	1,50	—	—	—	—	—	—	—	—	—	3,13*
	1,75	—	—	—	—	—	—	—	—	—	3,13*
	2,00	—	—	—	—	—	—	—	—	—	3,13*

*bearing resistance of component II

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **not applicable**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Kuźnica Kiedrzyńska
24.08.2016r.
(place and date of issue)

Adam Szczepanowski
DORADCA TECHNICZNY
mgr inż. Adam Szczepanowski
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(signature)