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 19/SZ/16

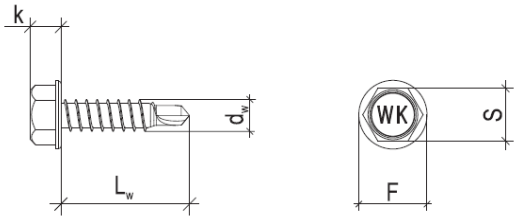
1. Unique identification code of the product-type: **WSB, WSBx, WSB-D, A2-WSB**
2. Intended use/es: **Fastening screws for metal members and sheeting**
3. Manufacturer: **KLIMAS Sp. z o.o.**
   ul. Wincentego Witosa 135/137
   Kuźnica Kiedrzyńska 42-233 Mykanów
4. Authorised representative: **not applicable**
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 WSB-4,8 x L, WSBx-4,8 x L, WSB-D-4,8 x L

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

Drilling capacity: $\Sigma t_i \leq 2{,}5$ mm

Timber substructures
no performance assessed



d_w = 4,8 mm
L_w = 16-35 mm
s = 8 mm
k = 4,5 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	1,10	1,10	1,10	1,10	1,10	1,10	1,10	—	—	—	—
0,55	1,10	1,10	1,10	1,10	1,10	1,10	1,10	—	—	—	
0,63	1,10	1,10	1,50	1,50	1,50	1,50	1,50	—	—	—	
0,75	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
0,88	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,00	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	—
1,13	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,25	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,50	—	—	—	—	—	—	—	—	—	—	
1,75	—	—	—	—	—	—	—	—	—	—	
2,00	—	—	—	—	—	—	—	—	—	—	

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Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,I}$ [mm]	0,50	0,55	0,55	0,55	0,55	0,55	0,55	0,55	—	—	—	
	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	—	—	—	
	0,63	0,55	0,55	0,82	0,82	0,82	0,82	0,82	—	—	—	
	0,75	0,55	0,55	0,82	0,96	0,96	0,96	0,96	—	—	—	
	0,88	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,00	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	—
	1,13	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,25	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,50	—	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	—	

If both components I and II are made of S320GD the values $V_{R,k}$ may be increased by 8,3%
If both components I and II are made of S350GD the values $V_{R,k}$ may be increased by 16,6%

Self-drilling screws with hexagon head A2-WSB-4,8 x L

Material
Fastener: stainless steel – SAE 304 bi-metal

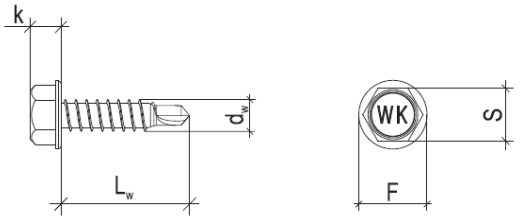
Washer: -

Component I: S280GD, S320GD or S350GD – EN 10346

Component II: S280GD, S320GD or S350GD – EN 10346

Drilling capacity: $\Sigma t_i \leq 2{,}5$ mm

Timber substructures
no performance assessed



d_w = 4,8 mm
L_w = 16-35 mm
s = 8 mm
k = 4,5 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	1,10	1,10	1,10	1,10	1,10	1,10	1,10	—	—	—	
0,55	1,10	1,10	1,10	1,10	1,10	1,10	1,10	—	—	—	
0,63	1,10	1,10	1,50	1,50	1,50	1,50	1,50	—	—	—	
0,75	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
0,88	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,00	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	—
1,13	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,25	1,10	1,10	1,50	1,74	1,74	1,74	1,74	—	—	—	
1,50	—	—	—	—	—	—	—	—	—	—	
1,75	—	—	—	—	—	—	—	—	—	—	
2,00	—	—	—	—	—	—	—	—	—	—	

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Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,I}$ [mm]												
	0,50	0,55	0,55	0,55	0,55	0,55	0,55	0,55	—	—	—	
	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	—	—	—	
	0,63	0,55	0,55	0,82	0,82	0,82	0,82	0,82	—	—	—	
	0,75	0,55	0,55	0,82	0,96	0,96	0,96	0,96	—	—	—	
	0,88	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,00	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	—
	1,13	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,25	0,55	0,55	0,82	0,96	0,98	0,98	0,98	—	—	—	
	1,50	—	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	—	

If both components I and II are made of S320GD the values $V_{R,k}$ may be increased by 8,3%
If both components I and II are made of S350GD the values $V_{R,k}$ may be increased by 16,6%

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
- 333 -

(signature)