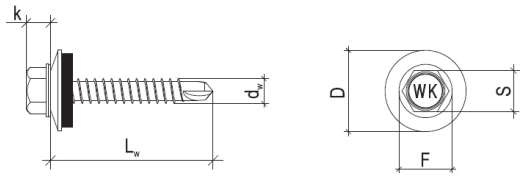


DECLARATION OF PERFORMANCE No 23/SZ/16

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

Self-drilling screws with hexagon head and sealing washer WSS-5,5 x L, WSSx-5,5 x L, WSS-D-5,5 x L													
<u>Material</u> Fastener: carbon steel – SAE1022 or 19MnB4 quenched, tempered and galvanized Washer: EPDM sealing ring with metal top made of aluminium, coated carbon steel or stainless steel Component I: S280GD, S320GD or S350GD – EN 10346 Component II: S280GD, S320GD or S350GD – EN 10346										d _w = 5,5 mm L _w = 19-90 mm s = 8 mm k = 4,9 mm			
Drilling capacity: Σt _i ≤ 12,0 mm													
<u>Timber substructures</u> no performance assessed													
Characteristic resistance of shear and pull-out load													
t _{N,II} [mm]	1,50	2,00	2,50	3,00	4,00	5,00	6,00	8,00	10,00	Wood class ≥ C24			
M _{t,nom}	7 Nm									20 mm	30 mm		
Resistance of shear load V _{R,k} [kN] for t _{N,I} [mm]	0,50	—	—	—	—	1,53	1,53	1,53	1,53	1,53	—	—	—
	0,55	—	—	—	—	1,53	1,53	1,53	1,53	1,53	—	—	
	0,63	—	—	—	—	1,88	1,88	1,88	1,88	1,88	—	—	
	0,75	—	—	—	—	2,50	2,50	2,50	2,50	2,50	—	—	
	0,88	—	—	—	—	2,87	2,87	2,87	2,87	2,87	—	—	
	1,00	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
	1,13	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
	1,25	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
	1,50	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
1,75	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—		
2,00	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—		

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Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,I}$ [mm]	0,50	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	—
	0,55	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	0,63	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	0,75	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	0,88	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	1,00	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	1,13	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	1,25	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	1,50	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	1,75	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	
	2,00	—	—	—	—	3,81	3,81	3,81	3,81	—	—	—	

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 and sealing washer A2-WSS-5,5 x L													
<u>Material</u> Fastener: stainless steel – SAE 304 bi-metal Washer: EPDM sealing ring with metal top made of aluminium or stainless steel Component I: S280GD, S320GD or S350GD – EN 10346 Component II: S280GD, S320GD or S350GD – EN 10346						 $d_w = 5,5 \text{ mm}$ $L_w = 19-90 \text{ mm}$ $s = 8 \text{ mm}$ $k = 4,9 \text{ mm}$							
Drilling capacity: $\Sigma t_i \leq 12,0 \text{ mm}$													
<u>Timber substructures</u> no performance assessed													
Characteristic resistance of shear and pull-out load													
$t_{N,II} \text{ [mm]}$	1,50	2,00	2,50	3,00	4,00	5,00	6,00	8,00	10,00	Wood class $\geq \text{C24}$			
$M_{t,nom}$	7 Nm									20 mm	30 mm		
Resistance of shear load $V_{R,k} \text{ [kN]}$ for $t_{N,I} \text{ [mm]}$	0,50	—	—	—	—	1,53	1,53	1,53	1,53	1,53	—	—	—
	0,55	—	—	—	—	1,53	1,53	1,53	1,53	1,53	—	—	
	0,63	—	—	—	—	1,88	1,88	1,88	1,88	1,88	—	—	
	0,75	—	—	—	—	2,50	2,50	2,50	2,50	2,50	—	—	
	0,88	—	—	—	—	2,87	2,87	2,87	2,87	2,87	—	—	
	1,00	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
	1,13	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
	1,25	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—	
1,50	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—		
1,75	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—		
2,00	—	—	—	—	2,89	2,89	2,89	2,89	2,89	—	—		

DECLARATION OF PERFORMANCE No 23/SZ/16

Resistance of pull-out load $N_{R,k}$ [kN] for $t_{N,i}$ [mm]	0,50	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	0,55	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	0,63	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	0,75	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	0,88	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	1,00	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	1,13	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	1,25	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	1,50	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	1,75	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—
	2,00	—	—	—	—	3,81	3,81	3,81	3,81	3,81	—	—	—

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%

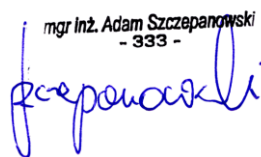
8. Appropriate Technical Documentation and/or Specific Technical Documentation: **not applicable**

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)