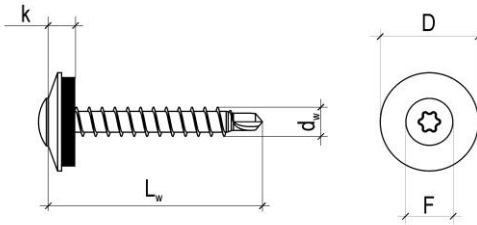


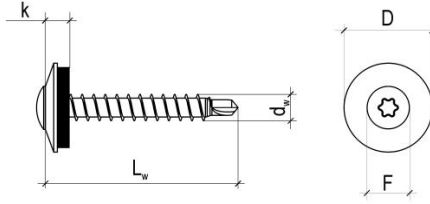
## DECLARATION OF PERFORMANCE No 18/SZ/16

- Unique identification code of the product-type: **WDD, WDDx, WDD-D**
- 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 circular head and sealing washer WDD-4,8 x L, WDDx-4,8 x L, WDD-D-4,8 x L											
<b>Material</b> 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: structural timber – EN 14081											
Drilling capacity: $\Sigma t_i \leq 2,5$ mm											
<b>Timber substructures</b> For timber substructures performance assessed with $M_y, R_k = 4,390$ Nm $f_{ax,k} = 12,867$ N/mm <sup>2</sup> for $l_{ef} \geq 20$ mm $f_{ax,k} = 12,015$ N/mm <sup>2</sup> for $l_{ef} \geq 30$ mm		$d_w = 4,8$ mm $L_w = 25-100$ mm $D = 14$ mm $F = 9$ mm $k = 5$ 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 $\geq$ C24		
$M_{t,nom}$	3 Nm								20 mm	30 mm	
Resistance of shear load $V_{R,k}$ [kN] dla $t_{N,II}$ [mm]	0,50	—	—	—	—	—	—	—	1,10*	1,10*	*bearing resistance of component I
	0,55	—	—	—	—	—	—	—	1,10*	1,10*	
	0,63	—	—	—	—	—	—	—	1,50*	1,50*	
	0,75	—	—	—	—	—	—	—	1,74*	1,74*	
	0,88	—	—	—	—	—	—	—	1,74*	1,74*	
	1,00	—	—	—	—	—	—	—	1,74*	1,74*	
	1,13	—	—	—	—	—	—	—	1,74*	1,74*	
	1,25	—	—	—	—	—	—	—	1,74*	1,74*	
	1,50	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	

## DECLARATION OF PERFORMANCE No 18/SZ/16

Resistance of pull-out load $N_{R,k}$ [kN] dla $t_{N,II}$ [mm]	0,50	—	—	—	—	—	—	—	—	1,24*	1,73*	*bearing resistance of component II
	0,55	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,63	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,75	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,88	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,00	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,13	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,25	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,50	—	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	—	

Self-drilling screws with circular head and sealing washer WDD-5,5 x L, WDDx-5,5 x L, WDD-D-5,5 x L												
<b>Material</b> 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: structural timber – EN 14081									$d_w = 5,5 \text{ mm}$ $L_w = 25-100 \text{ mm}$ $D = 14 \text{ mm}$ $F = 9 \text{ mm}$ $k = 5 \text{ mm}$			
Drilling capacity: $\Sigma t_i \leq 2,5 \text{ mm}$												
<b>Timber substructures</b> For timber substructures performance assessed with $M_y, R_k = 4,390 \text{ Nm}$ $f_{ax,k} = 12,867 \text{ N/mm}^2$ for $l_{ef} \geq 20 \text{ mm}$ $f_{ax,k} = 12,015 \text{ N/mm}^2$ for $l_{ef} \geq 30 \text{ mm}$												
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 $\geq C24$			
$M_{t,nom}$	3 Nm								20 mm	30 mm		
Resistance of shear load $V_{R,k}$ [kN] for $t_{N,II}$ [mm]	0,50	—	—	—	—	—	—	—	—	1,10*	1,10*	*bearing resistance of component I
	0,55	—	—	—	—	—	—	—	—	1,10*	1,10*	
	0,63	—	—	—	—	—	—	—	—	1,50*	1,50*	
	0,75	—	—	—	—	—	—	—	—	1,74*	1,74*	
	0,88	—	—	—	—	—	—	—	—	1,74*	1,74*	
	1,00	—	—	—	—	—	—	—	—	1,74*	1,74*	
	1,13	—	—	—	—	—	—	—	—	1,74*	1,74*	
	1,25	—	—	—	—	—	—	—	—	1,74*	1,74*	
	1,50	—	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	—	

## DECLARATION OF PERFORMANCE No 18/SZ/16

Resistance of pull-out load N <sub>R,k</sub> [kN] for t <sub>N</sub> [mm]	0,50	—	—	—	—	—	—	—	—	1,24*	1,73*	*bearing resistance of component II
	0,55	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,63	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,75	—	—	—	—	—	—	—	—	1,24*	1,73*	
	0,88	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,00	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,13	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,25	—	—	—	—	—	—	—	—	1,24*	1,73*	
	1,50	—	—	—	—	—	—	—	—	—	—	
	1,75	—	—	—	—	—	—	—	—	—	—	
	2,00	—	—	—	—	—	—	—	—	—	—	

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

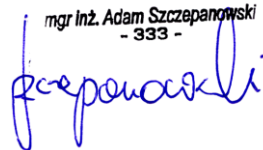
*The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.*

*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)