DECLARATION OF PERFORMANCE No 28/SZ/16

1.	Unique identification code of the product-type:	**WB6P, WB6P-D, A2-WB6P**
2.	Intended use/es:	**Fastening screws for sandwich panels**
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) 330047-01-0602 „Fastening screws for sandwich panels"** **b) European Technical Assessments – ETA-16/0444 of 30/06/2016** **c) Instytut Techniki Budowlanej** **d) Identification number of notified body- 1488**
7.	Declared performance/s:	

DECLARATION OF PERFORMANCE No 28/SZ/16

Self-taping screws with hexagon head and sealing washer ϕ19 – WB6P-6,3 x L, WB6Px-6,3 x L, WB6P-D-6,3 x L

Material

Fastener: carbon steel – SAE1022
quenched, tempered and galvanized (≥ 12 µm)

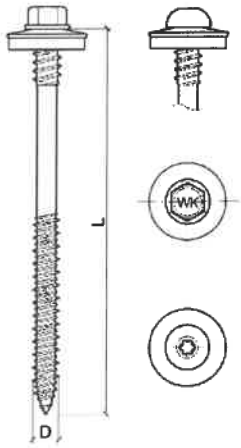
Washer: EPDM sealing ring with metal top
made of coated carbon steel or stainless steel

Component I: S280GD, S320GD or S350GD – EN 10346

Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 8,910 Nm
$f_{ax,k}$ = 16,586 N/mm² for l_{ef} ≥ 30 mm



L_w = 50-300 mm
d_w = 6,3 mm
D ≥ 19 mm

Characteristic resistance of shear and pull-out load

Component II: t_{II} in [mm]			≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]		30	1	-	-	-	-
		40	1	-	-	-	-
		50	1	-	-	-	-
		60	1,5	-	-	-	-
		70	1,5	-	-	-	-
		80	1,5	-	-	-	-
		90	2	-	-	-	-
		100	2	-	-	-	-
		120	2	-	-	-	-
		>140	2	-	-	-	-

DECLARATION OF PERFORMANCE No 28/SZ/16

Self-taping screws with hexagon head and sealing washer ϕ19 – WB6P-6,3 x L, WB6Px-6,3 x L, WB6P-D-6,3 x L

Material
Fastener: carbon steel – SAE1022
quenched, tempered and galvanized (≥ 12 µm)

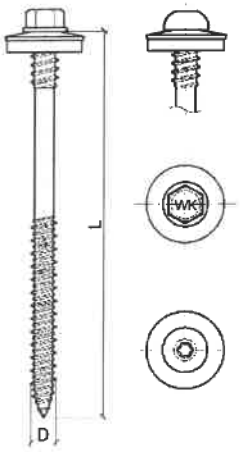
Washer: EPDM sealing ring with metal top made of aluminium

Component I: S280GD, S320GD or S350GD – EN 10346

Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 8,910 Nm
$f_{ax,k}$ = 16,586 N/mm² for l_{ef} ≥ 30 mm



L_w = 50-300 mm
d_w = 6,3 mm
D ≥ 19 mm

Characteristic resistance of shear and pull-out load

Component II: t_{II} in [mm]			≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]		30	1	-	-	-	-
		40	1	-	-	-	-
		50	1	-	-	-	-
		60	1,5	-	-	-	-
		70	1,5	-	-	-	-
		80	1,5	-	-	-	-
		90	2	-	-	-	-
		100	2	-	-	-	-
		120	2	-	-	-	-
		>140	2	-	-	-	-

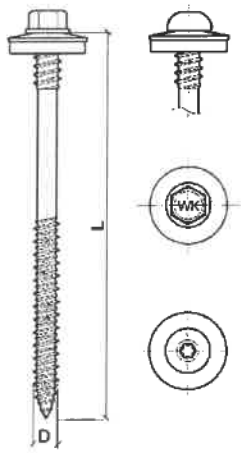
DECLARATION OF PERFORMANCE No 28/SZ/16

Self-taping screws with hexagon head and sealing washer ϕ19 – A2-WB6P-6,3 x L

Material
Fastener: stainless steel – SAE304
Washer: EPDM sealing ring with metal top made of stainless steel
Component I: S280GD, S320GD or S350GD – EN 10346
Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 6,830 Nm
$f_{ax,k}$ = 16,586 N/mm² for $l_{ef} \geq 30$ mm



L_w = 50-300 mm
d_w = 6,3 mm
D ≥ 19 mm

Characteristic resistance of shear and pull-out load

Component II: t_{II} in [mm]			**≥ 30**	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	**Shear load $V_{R,k}$ [kN]**	**0,40**	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	**0,40**	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]		**30**	1	-	-	-	-
		40	1	-	-	-	-
		50	1	-	-	-	-
		60	1,5	-	-	-	-
		70	1,5	-	-	-	-
		80	1,5	-	-	-	-
		90	2	-	-	-	-
		100	2	-	-	-	-
		120	2	-	-	-	-
		>140	2	-	-	-	-

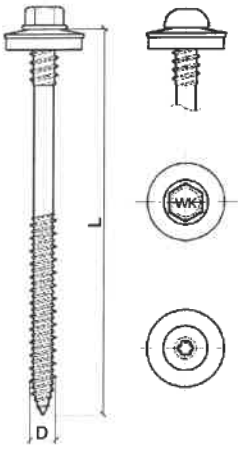
DECLARATION OF PERFORMANCE No 28/SZ/16

Self-taping screws with hexagon head and sealing washer ϕ19 – A2-WB6P-6,3 x L

Material
Fastener: stainless steel – SAE304
Washer: EPDM sealing ring with metal top made of aluminium
Component I: S280GD, S320GD or S350GD – EN 10346
Component II: structural timber – EN 14081

Drilling capacity: -

Timber substructures
For timber substructures performance assessed with
$M_{y,Rk}$ = 6,830 Nm
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L_w = 50-300 mm
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D ≥ 19 mm

Characteristic resistance of shear and pull-out load

Component II: t_{II} in [mm]			≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]		30	1	-	-	-	-
		40	1	-	-	-	-
		50	1	-	-	-	-
		60	1,5	-	-	-	-
		70	1,5	-	-	-	-
		80	1,5	-	-	-	-
		90	2	-	-	-	-
		100	2	-	-	-	-
		120	2	-	-	-	-
		>140	2	-	-	-	-

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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
24.08.2016
(place and date of issue)

Kierownik działu technicznego
Adam Szczepanowski
- 415 -
Adam Szczepanowski

(signature)