



GUNNEBO
FASTENING

DECLARATION of PERFORMANCE

DoP 4.5/2014

Version v-1.2015

ACCORDING THE REGULATION NO 305/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

1. Unique identification code of the product-type: *Fastening screws for sandwich panels*
2. Type, batch or serial number or any other element allowing identification of the construction product as: *Type and serial number on the product label*
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
The fastening screw for sandwich panels are intended to be used for fastening of flat , lightly profiled or profiled sandwich panels to metal supporting structures and to timber supporting structures
4. Name, registered trade name or registered trade mark and contact address of the manufacturer:
*GT6SP 5,5/6,6xL Z19, GT6SP 5,5/6,3xL Z22, GT6SP 5,5/6,3xL Z29
GTR6SP 5,5/6,3xL A19, GTR6SP 5,5/6,3xL S22, GTR6SP 5,5/6,3xL S29
GT12SP 5,5/6,3xL Z19, GT12SP 5,5/6,3xL Z22, GT12SP 5,5/6,3xL Z29
GTR12SP 5,5/6,3xL A19, GTR12SP 5,5/6,3xL S22, GTR12SP 5,5/6,3xL S29
GTR16SP 6,3/7,0xL A19, GTR16SP 6,3/7,0xL S22, GTR16SP 6,3/7,0xL S29
GTRWSP 6,4xL A19, GTRWSP 6,4xL S22, GTRWSP 6,4xL S29
GTX6SP 5,5/6,3xL S19, GTX6SP 5,5/6,3xL S22, GTX6SP 5,5/6,3xL S29
GTX12SP 5,5/6,3xL S19, GTX12SP 5,5/6,3xL S22, GTX12SP 5,5/6,3xL S29*
*Gbo Fastening Systems Sp. z o. o., Al. Jana Pawła II 1, 81-345 Gdynia,
Address of the manufacturing plant : street Olsztyńska 30 , 11-130 Orneta*
5. Name and contact address of the authorized representative: *not applicable*
6. System or systems of assessment and verification of constancy of performance the construction product as set out in Annex V : *System 2+ according Annex V Regulation No 305/2013 of the European Parliament and of the Council of 9 March 2011 (Construction Product Regulation - CPR)*
7. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued::
*Instytut Techniki Budowlanej in Warsaw Nr 1488
Issued ETA -13/0199 based on CUAP 06.02/12*

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Gbo Fastening Systems sp. z o.o. Ul. Olsztyńska 30 11-130 Orneta	(+48) 55 242 29 26	Nordea Bank Polska S.A. Oddział w Warszawie nr 67 14401101 0000000001392131	586-00-66-998
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8. Declared performance:

- dimensions and tolerances according to annex 2÷25
- satisfy to requirements of performance class A1 of reactions to fire according to decision KE/96/603/EC

Essential characteristic	Performance	European Technical Specification
Characteristic values of tension resistance $N_{R,k}$ [kN]	According to Annex 2÷25 ETA 13/0199	ETA 13/0199
Characteristic values of shear $V_{R,k}$ [kN]	According to Annex 2÷25 ETA 13/0199	
Safety factor γ_M	1,33	
Coating protection according to Annex 2 ÷ 25 ETA 13/0199		
Maximum head displacement according to annex 2÷25 ETA 13/0199		

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Table 1.

Self-drilling screw GT6SP Z19 5,5/6,3 x L with hexagon head and carbon steel sealing washer \varnothing19 mm						
tN,II* [mm]		2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,I* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,I* [mm]	0,50	2,56	2,56	2,56	3,18	3,18
	0,55	2,56	2,56	2,56	3,18	3,18
	0,63	2,56	2,56	2,56	4,02	4,02
	0,75	2,56	2,56	2,56	5,5	5,5
	0,88	2,56	2,56	2,56	5,5	5,5
	1,00	2,56	2,56	2,56	5,5	5,5
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
	≥ 140	23	23	10	10	10

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 2.

Self-drilling screw GT6SP Z22 5,5/6,3 x L with hexagon head and carbon steel sealing washer Ø22 mm						
Self-drilling screw GTR6SP S22 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø22 mm						
	tN,II* [mm]	2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,j* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,j* [mm]	0,50	2,56	2,56	2,56	3,43	3,43
	0,55	2,56	2,56	2,56	3,43	3,43
	0,63	2,56	2,56	2,56	4,32	4,32
	0,75	2,56	2,56	2,56	6,1	6,1
	0,88	2,56	2,56	2,56	6,1	6,1
	1,00	2,56	2,56	2,56	6,1	6,1
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
≥ 140	23	23	10	10	10	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 3.

Self-drilling screw GT6SP Z29 5,5/6,3 x L with hexagon head and carbon steel sealing washer Ø29 mm						
Self-drilling screw GTR6SP S29 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø29 mm						
tN,II* [mm]		2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,j* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,j* [mm]	0,50	2,56	2,56	2,56	4,23	4,23
	0,55	2,56	2,56	2,56	4,23	4,23
	0,63	2,56	2,56	2,56	5,82	5,82
	0,75	2,56	2,56	2,56	6,35	6,35
	0,88	2,56	2,56	2,56	6,35	6,35
	1,00	2,56	2,56	2,56	6,35	6,35
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
≥ 140	23	23	10	10	10	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 4.

Self-drilling screw GTR6SP A19 5,5/6,3 x L with hexagon head and aluminum sealing washer Ø19 mm						
tN,II* [mm]		2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,I,* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,I,* [mm]	0,50	2,56	2,56	2,56	3,00	3,00
	0,55	2,56	2,56	2,56	3,00	3,00
	0,63	2,56	2,56	2,56	3,79	3,79
	0,75	2,56	2,56	2,56	5,28	5,28
	0,88	2,56	2,56	2,56	5,28	5,28
	1,00	2,56	2,56	2,56	5,28	5,28
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
	≥ 140	23	23	10	10	10

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 5.

Self-drilling screw GT12SP Z19 5,5/6,3 x L with hexagon head and carbon steel sealing washer Ø19 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,I,* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,I,* [mm]	0,50	3,18	3,18	3,18	3,18	3,18	3,18
	0,55	3,18	3,18	3,18	3,18	3,18	3,18
	0,63	4,02	4,02	4,02	4,02	4,02	4,02
	0,75	5,50	5,50	5,50	5,50	5,50	5,50
	0,88	5,50	5,50	5,50	5,50	5,50	5,50
	1,00	5,50	5,50	5,50	5,50	5,50	5,50
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
	≥ 140	6	6	6	6	6	6

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 6.

Self-drilling screw GT12SP Z22 5,5/6,3 x L with hexagon head and carbon steel sealing washer Ø22 mm							
Self-drilling screw GTR12SP S22 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø22 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,j* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,j* [mm]	0,50	3,43	3,43	3,43	3,43	3,43	3,43
	0,55	3,43	3,43	3,43	3,43	3,43	3,43
	0,63	4,32	4,32	4,32	4,32	4,32	4,32
	0,75	6,10	6,10	6,10	6,10	6,10	6,10
	0,88	6,10	6,10	6,10	6,10	6,10	6,10
	1,00	6,10	6,10	6,10	6,10	6,10	6,10
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
≥ 140	6	6	6	6	6	6	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 7.

Self-drilling screw GT12SP Z29 5,5/6,3 x L with hexagon head and carbon steel sealing washer Ø29 mm							
Self-drilling screw GTR12SP S29 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø29 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,j* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,j* [mm]	0,50	4,23	4,23	4,23	4,23	4,23	4,23
	0,55	4,23	4,23	4,23	4,23	4,23	4,23
	0,63	5,82	5,82	5,82	5,82	5,82	5,82
	0,75	6,35	6,35	6,35	6,35	6,35	6,35
	0,88	6,35	6,35	6,35	6,35	6,35	6,35
	1,00	6,35	6,35	6,35	6,35	6,35	6,35
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
≥ 140	6	6	6	6	6	6	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 8.

Self-drilling screw GTR12SP A19 5,5/6,3 x L with hexagon head and aluminum sealing washer Ø19 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,I,* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,I,* [mm]	0,50	3,00	3,00	3,00	3,00	3,00	3,00
	0,55	3,00	3,00	3,00	3,00	3,00	3,00
	0,63	3,79	3,79	3,79	3,79	3,79	3,79
	0,75	5,28	5,28	5,28	5,28	5,28	5,28
	0,88	5,28	5,28	5,28	5,28	5,28	5,28
	1,00	5,28	5,28	5,28	5,28	5,28	5,28
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
	≥ 140	6	6	6	6	6	6

Component I: S280GD, S320GD or S350GD – EN 10326

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Table 9.

Self-drilling screw GTR16SP A19 6,3/7,0 x L with hexagon head and aluminum sealing washer Ø19 mm						
tN,II* [mm]		8,00	10,00	12,00	14,00	15,00
VR,k [kN] for tN,j* [mm]	0,50	1,29	1,29	1,29	1,29	1,29
	0,55	1,29	1,29	1,29	1,29	1,29
	0,63	1,69	1,69	1,69	1,69	1,69
	0,75	1,96	1,96	1,96	1,96	1,96
	0,88	1,96	1,96	1,96	1,96	1,96
	1,00	1,96	1,96	1,96	1,96	1,96
NR,k [kN] for tN,j* [mm]	0,50	3,00	3,00	3,00	3,00	3,00
	0,55	3,00	3,00	3,00	3,00	3,00
	0,63	3,79	3,79	3,79	3,79	3,79
	0,75	5,28	5,28	5,28	5,28	5,28
	0,88	5,28	5,28	5,28	5,28	5,28
	1,00	5,28	5,28	5,28	5,28	5,28
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	1	1	1	1
	40	1	1	1	1	1
	50	1	1	1	1	1
	60	2,5	2,5	2,5	2,5	2,5
	70	2,5	2,5	2,5	2,5	2,5
	80	2,5	2,5	2,5	2,5	2,5
	90	4	4	4	4	4
	100	4	4	4	4	4
	120	4	4	4	4	4
	≥ 140	4	4	4	4	4

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 10.

Self-drilling screw GTR16SP S22 6,3/7,0 x L with hexagon head and stainless steel sealing washer Ø22 mm						
tN,II* [mm]		8,00	10,00	12,00	14,00	15,00
VR,k [kN] for tN,j* [mm]	0,50	1,29	1,29	1,29	1,29	1,29
	0,55	1,29	1,29	1,29	1,29	1,29
	0,63	1,69	1,69	1,69	1,69	1,69
	0,75	1,96	1,96	1,96	1,96	1,96
	0,88	1,96	1,96	1,96	1,96	1,96
	1,00	1,96	1,96	1,96	1,96	1,96
NR,k [kN] for tN,j* [mm]	0,50	3,43	3,43	3,43	3,43	3,43
	0,55	3,43	3,43	3,43	3,43	3,43
	0,63	4,32	4,32	4,32	4,32	4,32
	0,75	6,10	6,10	6,10	6,10	6,10
	0,88	6,10	6,10	6,10	6,10	6,10
	1,00	6,10	6,10	6,10	6,10	6,10
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	1	1	1	1
	40	1	1	1	1	1
	50	1	1	1	1	1
	60	2,5	2,5	2,5	2,5	2,5
	70	2,5	2,5	2,5	2,5	2,5
	80	2,5	2,5	2,5	2,5	2,5
	90	4	4	4	4	4
	100	4	4	4	4	4
	120	4	4	4	4	4
	≥ 140	4	4	4	4	4

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 11.

Self-drilling screw GTR16SP S29 6,3/7,0 x L with hexagon head and stainless steel sealing washer Ø29 mm						
tN,II* [mm]		8,00	10,00	12,00	14,00	15,00
VR,k [kN] for tN,j* [mm]	0,50	1,29	1,29	1,29	1,29	1,29
	0,55	1,29	1,29	1,29	1,29	1,29
	0,63	1,69	1,69	1,69	1,69	1,69
	0,75	1,96	1,96	1,96	1,96	1,96
	0,88	1,96	1,96	1,96	1,96	1,96
	1,00	1,96	1,96	1,96	1,96	1,96
NR,k [kN] for tN,j* [mm]	0,50	4,23	4,23	4,23	4,23	4,23
	0,55	4,23	4,23	4,23	4,23	4,23
	0,63	5,82	5,82	5,82	5,82	5,82
	0,75	6,35	6,35	6,35	6,35	6,35
	0,88	6,35	6,35	6,35	6,35	6,35
	1,00	6,35	6,35	6,35	6,35	6,35
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	1	1	1	1
	40	1	1	1	1	1
	50	1	1	1	1	1
	60	2,5	2,5	2,5	2,5	2,5
	70	2,5	2,5	2,5	2,5	2,5
	80	2,5	2,5	2,5	2,5	2,5
	90	4	4	4	4	4
	100	4	4	4	4	4
	120	4	4	4	4	4
≥ 140	4	4	4	4	4	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 12.

Self-tapping screw GTRWSP A19 6,4/7,0 x L with hexagon head and aluminum sealing washer Ø19 mm											
l _{ef} ≥ 40 [mm]	Component II: wood class ≥ C24 Thickness of sandwich panel in the fixing point										
	30	40	50	60	70	80	90	100	120	≥ 140	
VR,k [kN] for tN, _j * [mm]	0,50	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,55	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63
	0,75	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	0,88	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	1,00	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
NR,k [kN] for tN, _j * [mm]	0,50	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
	0,55	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
	0,63	3,79	3,79	3,79	3,79	3,79	3,79	3,79	3,79	3,79	3,79
	0,75	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	0,88	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	1,00	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
max. head displacement u [mm]	1,00	1,00	1,00	1,50	1,50	1,50	2,00	2,00	2,00	2,00	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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Table 13.

Self-tapping screw GTRWSP S22 6,4/7,0 x L with hexagon head and stainless steel sealing washer Ø22 mm											
lef ≥ 40 [mm]		Component II: wood class ≥ C24 Thickness of sandwich panel in the fixing point									
		30	40	50	60	70	80	90	100	120	≥ 140
VR,k [kN] for tN,j* [mm]	0,50	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,55	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63
	0,75	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	0,88	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	1,00	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
NR,k [kN] for tN,j* [mm]	0,50	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43
	0,55	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43	3,43
	0,63	4,32	4,32	4,32	4,32	4,32	4,32	4,32	4,32	4,32	4,32
	0,75	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	0,88	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	1,00	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
max. head displacement u [mm]		1,00	1,00	1,00	1,50	1,50	1,50	2,00	2,00	2,00	2,00

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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Table 14.

Self-tapping screw GTRWSP S29 6,4/7,0 x L with hexagon head and stainless steel sealing washer Ø29 mm											
lef ≥ 40 [mm]		Component II: wood class ≥ C24 Thickness of sandwich panel in the fixing point									
		30	40	50	60	70	80	90	100	120	≥ 140
VR,k [kN] for tN,j* [mm]	0,50	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,55	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23	1,23
	0,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63	1,63
	0,75	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	0,88	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
	1,00	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87	1,87
NR,k [kN] for tN,j* [mm]	0,50	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23
	0,55	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23	4,23
	0,63	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	0,75	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	0,88	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
	1,00	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37	4,37
max. head displacement u [mm]		1,00	1,00	1,00	1,50	1,50	1,50	2,00	2,00	2,00	2,00

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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Table 15.

Self-drilling screw GTX6SP S19 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø19 mm						
tN,II* [mm]		2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,I,* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,I,* [mm]	0,50	2,56	2,56	2,56	3,06	3,06
	0,55	2,56	2,56	2,56	3,06	3,06
	0,63	2,56	2,56	2,56	3,86	3,86
	0,75	2,56	2,56	2,56	5,39	5,39
	0,88	2,56	2,56	2,56	5,39	5,39
	1,00	2,56	2,56	2,56	5,39	5,39
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	≥ 140	23	23	10	10	10

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 16.

Self-drilling screw GTX6SP S22 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø22 mm						
tN,II* [mm]	2,00	2,50	3,00	4,00	5,00	
VR,k [kN] for tN,I* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,I* [mm]	0,50	2,56	2,56	2,56	3,43	3,43
	0,55	2,56	2,56	2,56	3,43	3,43
	0,63	2,56	2,56	2,56	4,32	4,32
	0,75	2,56	2,56	2,56	6,10	6,10
	0,88	2,56	2,56	2,56	6,10	6,10
	1,00	2,56	2,56	2,56	6,10	6,10
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
	≥ 140	23	23	10	10	10

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 17.

Self-drilling screw GTX6SP S29 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø29 mm						
tN,II* [mm]		2,00	2,50	3,00	4,00	5,00
VR,k [kN] for tN,I,* [mm]	0,50	1,36	1,36	1,36	1,36	1,36
	0,55	1,36	1,36	1,36	1,36	1,36
	0,63	1,61	1,61	1,61	1,61	1,61
	0,75	1,88	1,88	1,88	1,88	1,88
	0,88	1,88	1,88	1,88	1,88	1,88
	1,00	1,88	1,88	1,88	1,88	1,88
NR,k [kN] for tN,I,* [mm]	0,50	2,56	2,56	2,56	4,23	4,23
	0,55	2,56	2,56	2,56	4,23	4,23
	0,63	2,56	2,56	2,56	5,82	5,82
	0,75	2,56	2,56	2,56	6,35	6,35
	0,88	2,56	2,56	2,56	6,35	6,35
	1,00	2,56	2,56	2,56	6,35	6,35
max. head displacement u depending on the sandwich panel thickness in [mm]	30	12	12	1,5	1,5	1,5
	40	12	12	1,5	1,5	1,5
	50	12	12	1,5	1,5	1,5
	60	18	18	4	4	4
	70	18	18	4	4	4
	80	18	18	4	4	4
	90	23	23	10	10	10
	100	23	23	10	10	10
	120	23	23	10	10	10
	≥ 140	23	23	10	10	10

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 18.

Self-drilling screw GTX12SP S19 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø19 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,I,* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,I,* [mm]	0,50	3,06	3,06	3,06	3,06	3,06	3,06
	0,55	3,06	3,06	3,06	3,06	3,06	3,06
	0,63	3,86	3,86	3,86	3,86	3,86	3,86
	0,75	5,39	5,39	5,39	5,39	5,39	5,39
	0,88	5,39	5,39	5,39	5,39	5,39	5,39
	1,00	5,39	5,39	5,39	5,39	5,39	5,39
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
	≥ 140	6	6	6	6	6	6

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Table 19.

Self-drilling screw GTX12SP S22 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø22 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,I,* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,I,* [mm]	0,50	3,43	3,43	3,43	3,43	3,43	3,43
	0,55	3,43	3,43	3,43	3,43	3,43	3,43
	0,63	4,32	4,32	4,32	4,32	4,32	4,32
	0,75	6,10	6,10	6,10	6,10	6,10	6,10
	0,88	6,10	6,10	6,10	6,10	6,10	6,10
	1,00	6,10	6,10	6,10	6,10	6,10	6,10
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
	≥ 140	6	6	6	6	6	6

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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Regon

P-190279500



Table 20.

Self-drilling screw GTX12SP S29 5,5/6,3 x L with hexagon head and stainless steel sealing washer Ø29 mm							
tN,II* [mm]		4,00	5,00	6,00	8,00	10,00	11,00
VR,k [kN] for tN,I,* [mm]	0,50	1,33	1,33	1,33	1,33	1,33	1,33
	0,55	1,33	1,33	1,33	1,33	1,33	1,33
	0,63	1,65	1,65	1,65	1,65	1,65	1,65
	0,75	1,92	1,92	1,92	1,92	1,92	1,92
	0,88	1,92	1,92	1,92	1,92	1,92	1,92
	1,00	1,92	1,92	1,92	1,92	1,92	1,92
NR,k [kN] for tN,I,* [mm]	0,50	4,23	4,23	4,23	4,23	4,23	4,23
	0,55	4,23	4,23	4,23	4,23	4,23	4,23
	0,63	5,82	5,82	5,82	5,82	5,82	5,82
	0,75	6,35	6,35	6,35	6,35	6,35	6,35
	0,88	6,35	6,35	6,35	6,35	6,35	6,35
	1,00	6,35	6,35	6,35	6,35	6,35	6,35
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1,5	1,5	1,5	1,5	1,5	1,5
	40	1,5	1,5	1,5	1,5	1,5	1,5
	50	1,5	1,5	1,5	1,5	1,5	1,5
	60	4	4	4	4	4	4
	70	4	4	4	4	4	4
	80	4	4	4	4	4	4
	90	6	6	6	6	6	6
	100	6	6	6	6	6	6
	120	6	6	6	6	6	6
	≥ 140	6	6	6	6	6	6

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

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GUNNEBO
FASTENING

9. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

On behalf of the producer signed:

Product Manager
Aleksander Stec

Aleksander Stec
Product Manager
Gbo Fastening Systems
Sp. z o.o.

Orneta, date 02.12.2015

(Signature)

Adres pocztowy Gbo Fastening Systems sp. z o.o. Ul. Olsztyńska 30 11-130 Orneta	Telefon (+48) 55 242 29 26 Telefax (+48) 55 242 29 56	Bank Nordea Bank Polska S.A. Oddział w Warszawie nr 67 14401101 0000000001392131	NIP 586-00-66-998 Regon P-190279500
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