



GUNNEBO
FASTENING

DECLARATION of PERFORMANCE

DoP 1.3/2016

Version v-1.2016

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

1. Unique identification code of the product-type: ***Screws for fastening steel elements and sheet G, GTF02, GTF02P, GTF2, GTF5, GTXF02, GTXF2, GTF HD, GTF P***
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 screws are used to connect steel sheets overlapped and for fastening steel plates to the wooden substrate
4. Name, registered trade name or registered trade mark and contact address of the manufacturer:
***G 4,8 x 20, G 4,8 x L, GTF02 4,8 x 20, GTF02P 4,8 x 20, GTF2 4,8 x L, GTF5 4,8 x 25, GTXF02 4,8 x 20, GTXF2 4,8 x 35, GTF HD 6,4 x L, GTF P 4,8 x L
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 3 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 w Warszawie Nr 1488
Issued ETA -12/0140 based on EAD 330046-01-0602***

Adres pocztowy	Telefon	Bank	NIP
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:

Essential characteristic	Performance	European Technical Specification
Characteristic values of tension resistance $N_{R,k}$ [kN]	According to Annex 1÷10 ETA 12/0140	ETA 12/0140
Characteristic values of shear $V_{R,k}$ [kN]	According to Annex 1÷10 ETA 12/0140	
Safety factor γ_M	1,33	
Coating protection according to Annex 1 ÷ 10 ETA 12/0140		

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Table 1.

Self-drilling screw G 4,8 x 20 with hexagon head and sealing washer Ø14 mm with metal top made of aluminum							
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,50	1,11	1,11	1,11	1,11	1,11	1,11
	0,55	1,11	1,11	1,11	1,11	1,11	1,11
	0,63	1,11	1,11	1,45	1,45	1,45	1,45
	0,75	1,11	1,11	1,45	1,49	1,49	1,49
	0,88	1,11	1,11	1,45	1,49	1,49	1,49
	1,00	1,11	1,11	1,45	1,49	1,49	1,49
NR,k [kN] for tN,I* [mm]	0,50	0,48	0,48	0,48	0,48	0,48	0,48
	0,55	0,48	0,48	0,48	0,48	0,48	0,48
	0,63	0,48	0,48	0,78	0,78	0,78	0,78
	0,75	0,48	0,48	0,78	0,91	0,91	0,91
	0,88	0,48	0,48	0,78	0,91	1,30	1,30
	1,00	0,48	0,48	0,78	0,91	1,30	1,61

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

Table 2.

Self-drilling screw G 4,8 x L with hexagon head and sealing washer Ø14 mm with metal top made of aluminum							
tN,II* [mm]	0,5	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,5	-	-	-	-	-	1,11
	0,55	-	-	-	-	-	1,11
	0,63	-	-	-	-	-	1,45
	0,75	-	-	-	-	-	1,49
	0,88	-	-	-	-	-	1,49
	1,0	-	-	-	-	-	1,49
NR,k [kN] for tN,I* [mm]	0,5	-	-	-	-	-	2,78
	0,55	-	-	-	-	-	2,78
	0,63	-	-	-	-	-	4,51
	0,75	-	-	-	-	-	4,51
	0,88	-	-	-	-	-	4,51
	1,00	-	-	-	-	-	4,51

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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**Table 3.**

Self-drilling screw GTF02 4,8 x 20 with hexagon head and sealing washer Ø14 mm with metal top made of carbon steel							
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,50	1,11	1,11	1,11	1,11	1,11	
	0,55	1,11	1,11	1,11	1,11	1,11	
	0,63	1,11	1,11	1,45	1,45	1,45	
	0,75	1,11	1,11	1,45	1,49	1,49	
	0,88	1,11	1,11	1,45	1,49	1,49	
	1,00	1,11	1,11	1,45	1,49	1,49	
NR,k [kN] for tN,I* [mm]	0,50	0,48	0,48	0,48	0,48	0,48	
	0,55	0,48	0,48	0,48	0,48	0,48	
	0,63	0,48	0,48	0,78	0,78	0,78	
	0,75	0,48	0,48	0,78	0,91	0,91	
	0,88	0,48	0,48	0,78	0,91	1,30	
	1,00	0,48	0,48	0,78	0,91	1,30	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

Table 4.

Self-drilling screw GTF02P 4,8 x 20 with circular head and sealing washer Ø14 mm with metal top made of carbon steel							
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,50	1,11	1,11	1,11	1,11	1,11	
	0,55	1,11	1,11	1,11	1,11	1,11	
	0,63	1,11	1,11	1,45	1,45	1,45	
	0,75	1,11	1,11	1,45	1,49	1,49	
	0,88	1,11	1,11	1,45	1,49	1,49	
	1,00	1,11	1,11	1,45	1,49	1,49	
NR,k [kN] for tN,I* [mm]	0,50	0,48	0,48	0,48	0,48	0,48	
	0,55	0,48	0,48	0,48	0,48	0,48	
	0,63	0,48	0,48	0,78	0,78	0,78	
	0,75	0,48	0,48	0,78	0,91	0,91	
	0,88	0,48	0,48	0,78	0,91	1,30	
	1,00	0,48	0,48	0,78	0,91	1,30	

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 GTF2 4,8 x L with hexagon head and sealing washer Ø14 mm with metal top made of carbon steel								
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24	
Mt,nom	3 Nm							
VR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	1,11	bearing resistance of component I
	0,55	-	-	-	-	-	1,11	
	0,63	-	-	-	-	-	1,45	
	0,75	-	-	-	-	-	1,49	
	0,88	-	-	-	-	-	1,49	
	1,00	-	-	-	-	-	1,49	
NR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	2,78	pull-through resistance of component I
	0,55	-	-	-	-	-	2,78	
	0,63	-	-	-	-	-	4,51	
	0,75	-	-	-	-	-	4,51	
	0,88	-	-	-	-	-	4,51	
	1,00	-	-	-	-	-	4,51	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

Table 6.

Self-drilling screw GTFS 4,8 x 25 with hexagon head and sealing washer Ø14 mm with metal top made of carbon steel								
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24	
Mt,nom	3 Nm							
VR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	0,80	bearing resistance of component I
	0,55	-	-	-	-	-	1,40	
	0,63	-	-	-	-	-	1,40	
	0,75	-	-	-	-	-	1,40	
	0,88	-	-	-	-	-	-	
	1,00	-	-	-	-	-	-	
NR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	2,78	pull-through resistance of component I
	0,55	-	-	-	-	-	2,78	
	0,63	-	-	-	-	-	4,51	
	0,75	-	-	-	-	-	4,51	
	0,88	-	-	-	-	-	-	
	1,00	-	-	-	-	-	-	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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Table 7.

Self-drilling screw GTF HD 6,4 x L with hexagon head and sealing washer Ø16 mm with metal top made of stainless steel								
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24	
Mt,nom	3 Nm							
VR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	1,30	bearing resistance of component I
	0,55	-	-	-	-	-	1,30	
	0,63	-	-	-	-	-	1,30	
	0,75	-	-	-	-	-	1,30	
	0,88	-	-	-	-	-	1,30	
	1,00	-	-	-	-	-	1,30	
NR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	3,75	pull-through resistance of component I
	0,55	-	-	-	-	-	3,75	
	0,63	-	-	-	-	-	4,04	
	0,75	-	-	-	-	-	5,63	
	0,88	-	-	-	-	-	5,63	
	1,00	-	-	-	-	-	5,63	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

Table 8.

Self-drilling screw GTF P 4,8 x 35 with circular head and sealing washer Ø14 mm with metal top made of aluminum								
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24	
Mt,nom	3 Nm							
VR,k [kN] for tN,I* [mm]	0,50	1,21	1,21	1,21	1,21	1,21	1,08	bearing resistance of component I
	0,55	1,21	1,21	1,21	1,21	1,21	1,08	
	0,63	1,21	1,21	1,42	1,42	1,42	1,08	
	0,75	1,21	1,21	1,42	2,27	2,27	1,08	
	0,88	1,21	1,21	1,42	2,27	2,67	1,08	
	1,00	1,21	1,21	1,42	2,27	2,67	1,08	
NR,k [kN] for tN,I* [mm]	0,50	0,48	0,48	0,48	0,48	0,48	2,97	pull-through resistance of component I
	0,55	0,48	0,48	0,48	0,48	0,48	2,97	
	0,63	0,48	0,48	0,78	0,78	0,78	3,93	
	0,75	0,48	0,48	0,78	0,91	0,91	4,73	
	0,88	0,48	0,48	0,78	0,91	1,30	4,73	
	1,00	0,48	0,48	0,78	0,91	1,30	4,73	

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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Table 9.

Self-drilling screw GTXF02 4,8 x 20 with hexagon head and sealing washer Ø14 mm with metal top made of stainless steel							
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,50	0,62	0,62	0,62	0,62	0,62	0,62
	0,55	0,62	0,62	0,62	0,62	0,62	0,62
	0,63	0,62	0,62	1,13	1,13	1,13	1,13
	0,75	0,62	0,62	1,13	1,46	1,46	1,46
	0,88	0,62	0,62	1,13	1,46	1,46	1,46
	1,00	0,62	0,62	1,13	1,46	1,46	1,46
NR,k [kN] for tN,I* [mm]	0,50	0,49	0,49	0,49	0,49	0,49	0,49
	0,55	0,49	0,49	0,49	0,49	0,49	0,49
	0,63	0,49	0,49	0,77	0,77	0,77	0,77
	0,75	0,49	0,49	0,77	0,89	0,89	0,89
	0,88	0,49	0,49	0,77	0,89	1,01	1,01
	1,00	0,49	0,49	0,77	0,89	1,01	1,44

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: S280GD, S320GD or S350GD – EN 10326

Table 10.

Self-drilling screw GTXF2 4,8 x 35 with hexagon head and sealing washer Ø14 mm with metal top made of stainless steel							
tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood; class ≥ C24
Mt,nom	3 Nm						
VR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	0,62
	0,55	-	-	-	-	-	0,62
	0,63	-	-	-	-	-	1,13
	0,75	-	-	-	-	-	1,46
	0,88	-	-	-	-	-	1,46
	1,00	-	-	-	-	-	1,46
NR,k [kN] for tN,I* [mm]	0,50	-	-	-	-	-	2,78
	0,55	-	-	-	-	-	2,78
	0,63	-	-	-	-	-	4,51
	0,75	-	-	-	-	-	4,51
	0,88	-	-	-	-	-	4,51
	1,00	-	-	-	-	-	4,51

Component I: S280GD, S320GD or S350GD – EN 10326

Component II: structural timber – EN 14081

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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

Orneta, date 01.07.2016

(Signature)


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

Adres pocztowy

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