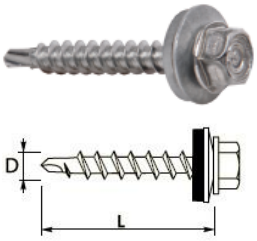
GTZ F2 S14

STAINLESS FARMER SCREWS WITH STAINLESS WASHER

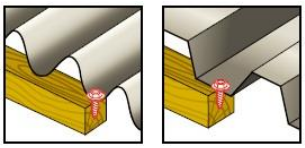


PRODUCT DESCRIPTION

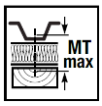
Self-drilling, tapping stainless steel screws, electro-galvanized, with reduced drilling point, thread for wood and hex head, with integrated steel washer with vulcanized EPDM.

APPLICATION

Designed for fastening profiled aluminum sheets to wooden structures. Designed for use in environments with atmospheric corrosivity categories C1, C2, C3, C4 according to PN-EN ISO 12944-2: 2001 standard.



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm] 
			DC	MTmax
GTZ F2	S14	4,8 x 35	2 x 1,00	12

The working length of the fastener is calculated from the maximum thickness of the DC substrate

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NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0680

CHARACTERISTIC BEARING CAPACITY OF SHEAR AND PULL-OUT FIXINGS FROM WOOD SUBSTRATE

Thickness of substrate[1)] [mm]			0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24	
Mt,nom			3 [Nm]							
Thickness of steel substrate [2)] [mm]	For shear [kN]	0,50	-	-	-	-	-	-	0,62	Load capacity of the sheet metal to the pressure of the mandrel
		0,55	-	-	-	-	-	-	0,62	
		0,63	-	-	-	-	-	-	1,13	
		0,75	-	-	-	-	-	-	1,46	
		0,88	-	-	-	-	-	-	1,46	
		1,00	-	-	-	-	-	-	1,46	
	For pull-out [kN]	0,50	-	-	-	-	-	-	2,78	The load-bearing capacity of the fastened sheet for pulling the head
		0,55	-	-	-	-	-	-	2,78	
		0,63	-	-	-	-	-	-	4,51	
		0,75	-	-	-	-	-	-	4,51	
		0,88	-	-	-	-	-	-	4,51	
		1,00	-	-	-	-	-	-	4,51	

Podłoże oraz mocowana blacha wykonana ze stali gatunku S280GD; S320GD; S350GD według PN- EN 10346:2015.

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EUROPEAN TECHNICAL APPROVAL ETA-12/0580

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE

tN,II* [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24
VR,k [kN] dla 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

Element I - blacha stalowa ze stali gatunku S280GD; S320GD; S350GD według normy EN 10346.
Element II - drewno konstrukcyjne według normy EN 14081.
W celu wyznaczenia nośności obliczeniowej należy podzielić wartość nośności charakterystycznej przez współczynnik bezpieczeństwa $\gamma_m = 1,33$.

CHARACTERISTIC LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE IN A WOOD BASE

tN,II* [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24
NR,k [kN] dla 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

Element I - blacha stalowa ze stali gatunku S280GD; S320GD; S350GD według normy EN 10346.
Element II - drewno konstrukcyjne według normy EN 14081.
W celu wyznaczenia nośności obliczeniowej należy podzielić wartość nośności charakterystycznej przez współczynnik bezpieczeństwa $\gamma_m = 1,33$.

** Construction grade C24 timber according to PN-EN 338: 2011 standard*
** Mounted aluminum sheet of grade 1050A in accordance with standard PN-EN 573-3: 2010*

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OTHER FEATURES

BASE MATERIAL:	*WOOD*
SIZE OF HEX HEAD:	*8 mm*
MINIMUM THICKNESS OF STEEL BASE:	*1 x 0,5 mm*
MAXIMUM CAPACITY OF DRILLING:	*2 x 1,0 mm*
HEAD AND SHAFT MADE OF:	*STAINLESS STEEL CLASS A2*
DRILLING POINT MADE OF:	*STAINLESS STEEL CLASS A2*
CORROSIVE ENVIRONMENT:	C4
OPINION ON ANTI-CORROSIVE PROTECTION:	*02248/16/Z00NZM*
POSSIBILITY OF PAINTING:	*YES*
PAINT COATING THICKNESS:	*50 µm*
TIGHTENING TORQUE:	*3 Nm*
RECOMMENDED ROTARY SPEED (IDLE):	*1800 rpm*
EFFECTIVE ANCHORAGE DEPTH IN THE SUBSTRATE (l_{ef}):	*20 mm*
DIAMETER OF STAINLESS STEEL WASHER S14	*14 mm*

ETA DWU/DoP KDWU ZKP SZU

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