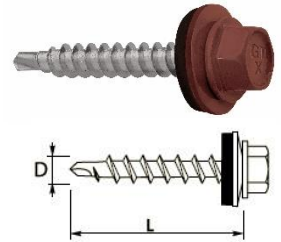


GTX F2 S14

BI-METAL STAINLESS FARMER SCREWS
WITH STAINLESS WASHER



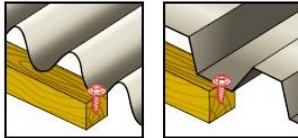
PRODUCT DESCRIPTION

Drilling, self-tapping screws made of austenitic steel (bimetallic), with a reduced drilling point, wood thread and hex washer head, provided with a stainless washer with vulcanized EPDM.


APPLICATION

Designed for fastening profiled metal sheets to wooden structures in the environment requiring increased anti-corrosion performance.

Possibility of use in environments with corrosivity category C1, C2, C3, C4, C5-I/M according to PN-EN ISO 12944-2: 2001



LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm]
			DC	MTmax
GTX 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.

NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0680

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

Thickness of substrate ¹⁾ [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class \geq C24 $h_{ef} = 20$ mm		
$M_{t,nom}$		3 Nm								
Thickness of fastened metal sheet ²⁾ [mm]	Characteristic bearing capacity for shear [kN]	0,50	-	-	-	-	-	-	0,62	Nośność mocowanej blachy na docisk trzpienia
		0,55	-	-	-	-	-	-	0,62	
		0,63	-	-	-	-	-	-	1,13	
		0,75	-	-	-	-	-	-	1,46	
		0,88	-	-	-	-	-	-	1,46	
		1,00	-	-	-	-	-	-	1,46	
	Characteristic bearing capacity for pull-out [kN]	0,50	-	-	-	-	-	-	2,78	Nośność mocowanej blachy na przeciąganie łba
		0,55	-	-	-	-	-	-	2,78	
		0,63	-	-	-	-	-	-	4,51	
		0,75	-	-	-	-	-	-	4,51	
		0,88	-	-	-	-	-	-	4,51	
		1,00	-	-	-	-	-	-	4,51	

¹⁾ steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015
²⁾ steel grade S280GD, S320GD or S350GD according to PN-EN 10346:2015

EUROPEAN TECHNICAL APPROVAL ETA-12/0140

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE IN WOOD BASE

tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24
VR,k [kN] for tN,I* [mm]	-	-	-	-	-	-	0,62
0,50	-	-	-	-	-	-	0,62
0,55	-	-	-	-	-	-	1,13
0,63	-	-	-	-	-	-	1,46
0,75	-	-	-	-	-	-	1,46
0,88	-	-	-	-	-	-	1,46
1,00	-	-	-	-	-	-	1,46

Component I: S280GD, S320GD or S350GD – EN 10346

Component II - structural timber class C24 in accordance with standard EN 14081

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

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

tN,II* [mm]	0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24
NR,k [kN] for tN,I* [mm]	-	-	-	-	-	-	2,78
0,50	-	-	-	-	-	-	2,78
0,55	-	-	-	-	-	-	4,51
0,63	-	-	-	-	-	-	4,51
0,75	-	-	-	-	-	-	4,51
0,88	-	-	-	-	-	-	4,51
1,00	-	-	-	-	-	-	4,51

Component I: S280GD, S320GD or S350GD – EN 10346

Component II - structural timber class C24 in accordance with standard EN 14081

To define a design load should divide the value of the characteristic load by a safety factor $\gamma_m = 1,33$.

OTHER FEATURES

BASE MATERIAL:	WOOD
SIZE OF HEX HEAD:	8 mm
MAXIMUM DRILLING CAPACITY:	2 x 1,00 mm
HEAD AND SHAFT MADE OF:	STAINLESS STEEL CLASS A2
DRILLING POINT MADE OF:	HARDENED STEEL
ADDITIONAL CORROSION PROTECTION:	gRey.coat
CORROSIVITY CATEGORY:	C5 I/M
TECHNICAL OPINION ON CORROSION PROTECTION:	02248/16/Z00NZM
PAINTING POSSIBILITY:	YES
THICKNESS OF POLYESTER PAINT:	50 µm
TIGHTENING TORQUE:	3 Nm
RECOMMENDED SPEED OF THE TOOL WITHOUT LOAD:	1300 rpm
MINIMUM EMBEDMENT DEPTH (l _{ef}):	20 mm
WASHER DIAMETER (STAINLESS S14):	14 mm



ETA



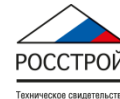
DWU/DoP



KDWU



ZKP



TC



POCC



SZU