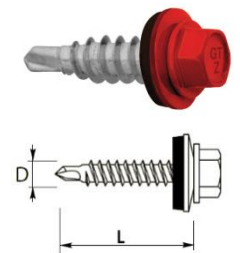


GTZ FO2 S14

FASTENERS WITH STAINLESS WASHER
FOR OVERLAP JOINTS (STAPLE)



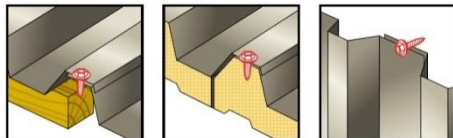
PRODUCT DESCRIPTION

Self-drilling, self-tapping screws made of stainless steel, with reduced drilling point and hex head, with integrated stainless steel washer with vulcanized EPDM.


APPLICATION

Designed for fastening corrugated construction steel sheets to each other and for overlap joints fastening of sandwich panels (roof tiles).

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 FO2	S14	4,8 x 20	2 x 0,63	7

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 FOR SHEAR AND PULL-OUT RESISTANCE IN A STEEL BASE

Substrate thickness ¹⁾ [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥ C24	
$M_{t,nom}$		3Nm							
Attachment thickness ²⁾ [mm]	SHEAR [kN]	0,50	0,31	0,31	0,35	0,37	—	—	/
		0,55	—	—	0,35	0,37	—	—	
		0,63	—	—	0,35	0,37	—	—	
		0,75	—	—	—	0,37	—	—	
		0,88	—	—	—	—	—	—	
		1,00	—	—	—	—	—	—	
	FOR PULL OUT [kN]	0,50	0,31	0,31	0,35	0,37	—	—	
		0,55	—	—	0,35	0,37	—	—	
		0,63	—	—	0,35	0,37	—	—	
		0,75	—	—	—	0,37	—	—	
		0,88	—	—	—	—	—	—	
		1,00	—	—	—	—	—	—	

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-12/0580

CHARACTERISTIC LOAD BEARING CAPACITY OF SHEAR RESISTANCE

tN,II* [mm]		0,50	0,55	0,63	0,75	0,88	1,00
VR,k [kN] for tN,I* [mm]	0,50	0,31	0,31	0,35	0,37	—	—
	0,55	—	—	0,35	0,37	—	—
	0,63	—	—	0,35	0,37	—	—
	0,75	—	—	—	0,37	—	—
	0,88	—	—	—	—	—	—
	1,00	—	—	—	—	—	—

Element I - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

Element II - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

To determine the structural carrying capacity of the characteristic safety factor $\gamma_m = 1.33$.

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

tN,II* [mm]		0,50	0,55	0,63	0,75	0,88	1,00
NR,k [kN] for tN,I* [mm]	0,50	0,31	0,31	0,35	0,37	—	—
	0,55	—	—	0,35	0,37	—	—
	0,63	—	—	0,35	0,37	—	—
	0,75	—	—	—	0,37	—	—
	0,88	—	—	—	—	—	—
	1,00	—	—	—	—	—	—

Element I - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

Element II - sheet steel class S280GD; S320GD; Standard S350GD according to EN 10346.

To determine the structural carrying capacity of the characteristic safety factor $\gamma_m = 1.33$.

OTHER FEATURES

BASE MATERIAL:	<i>CORRUGATED METAL SHEETS</i>
SIZE OF HEX HEAD:	<i>8 mm</i>
MINIMUM THICKNESS OF STEEL BASE:	<i>1 x 0,5 mm</i>
MAXIMUM CAPACITY OF DRILLING:	<i>2 x 0,63 mm</i>
HEAD AND SHAFT MADE OF:	<i>STAINLESS STEEL CLASS A2</i>
DRILLING POINT MADE OF:	<i>STAINLESS STEEL CLASS A2</i>
CORROSIVE ENVIRONMENT:	<i>C4</i>
OPINION ON ANTI-CORROSIVE PROTECTION:	<i>02248/16/Z00NZM</i>
POSSIBILITY OF PAINTING:	<i>YES</i>
PAINT COATING THICKNESS:	<i>50 µm</i>
TIGHTENING TORQUE:	<i>3 Nm</i>
RECOMMENDED ROTARY SPEED (IDLE):	<i>1800 rpm</i>
DIAMETER OF STAINLESS STEEL WASHER S14	<i>14 mm</i>

