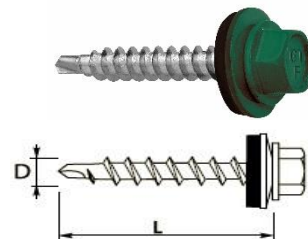


## GT F2 Z14

FARMER SCREWS WITH STEEL WASHER



### PRODUCT DESCRIPTION

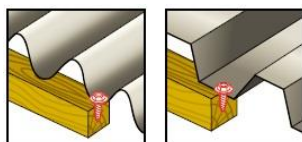
Self-drilling and tapping carbon steel screws, surface-hardened electro-galvanized, with reduced drilling point, thread for wood and hex head, with integrated steel washer with vulcanized EPDM.

### APPLICATION



Designed for fastening profiled metal sheets to wooden structures.

Protected with paint coating - polyester with a thickness of not less than 50 µm, designed for use in environments with corrosivity categories C1, C2 and C3 according to PN-EN ISO 12944-2: 2001.

Zinc coated fasteners without paint coating are designed for use in environments with corrosivity categories C1, C2



### LENGTH OF SCREWS

Fastener type		Dimensions D x L [mm]	Maximum drill capacity [mm]	Maximum thickness of fixed elements [mm] 
			DC	MTmax
GT F2	Z14	4,8 x 28	2 x 1,00	5
GT F2	Z14	4,8 X 35	2 x 1,00	12
GT F2	Z14	4,8 X 50	2 x 1,00	27
GT F2	Z14	4,8 X 60	2 x 1,00	37
GT F2	Z14	4,8 X 70	2 x 1,00	47
GT F2	Z14	4,8 X 80	2 x 1,00	57
GT F2	Z14	4,8 X 100	2 x 1,00	77

*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 <sup>1)</sup> [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 <sup>2)</sup> [mm]	Characteristic bearing capacity for shear [kN]	0,50	-	-	-	-	-	-	1,11	Nośność mocowanej blachy na docisk trzpienia
		0,55	-	-	-	-	-	-	1,11	
		0,63	-	-	-	-	-	-	1,45	
		0,75	-	-	-	-	-	-	1,49	
		0,88	-	-	-	-	-	-	1,49	
		1,00	-	-	-	-	-	-	1,49	
	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	

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

## EUROPEAN TECHNICAL APPROVAL ETA-12/0580

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

Thickness of substrate <sup>1)</sup> [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 <sup>2)</sup> [mm]	Characteristic bearing capacity for shear [kN]	0,50	-	-	-	-	-	-	1,11	Nośność mocowanej blachy na docisk trzpienia
		0,55	-	-	-	-	-	-	1,11	
		0,63	-	-	-	-	-	-	1,45	
		0,75	-	-	-	-	-	-	1,49	
		0,88	-	-	-	-	-	-	1,49	
		1,00	-	-	-	-	-	-	1,49	
	Characteristic bearing capacity for pull-out [kN]	0,50	-	-	-	-	-	-	2,78	Nośność mocowanej blachy na przeciąganie tba
		0,55	-	-	-	-	-	-	2,78	
		0,63	-	-	-	-	-	-	4,51	
		0,75	-	-	-	-	-	-	4,51	
		0,88	-	-	-	-	-	-	4,51	
		1,00	-	-	-	-	-	-	4,51	

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

## OTHER FEATURES

BASE MATERIAL:	WOOD
SIZE OF HEX HEAD:	8 mm
MAXIMUM DRILLING CAPACITY:	2 x 1,00 mm
THICKNESS OF THE ZINC COATING:	12 µm
CORROSIVITY CATEGORY:	PAINTED - C3 NOT PAINTED - C2
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:	1800 rpm
MINIMUM EMBEDMENT DEPTH ( $l_{ef}$ ):	20 mm
WASHER DIAMETER (STEEL Z14):	14 mm



ETA



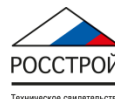
DWU/DoP



KDWU



ZKP



TC



POCC



SZU