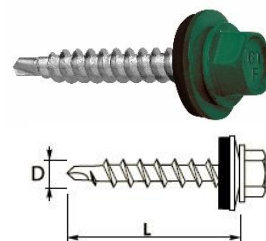


GT F2 Z14

FARMER SCREWS WITH STEEL
WASHER



PRODUCT DESCRIPTION

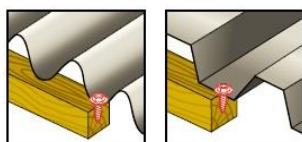
Self-drilling and tapping carbon steel screws, surface-hardened electro-galvanized, with reduced drilling point, thread for wood and hex head, with integrated steel washer with vulcanized EPDM.

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.

TECHNICAL APPROVAL AT-15-9720/2016

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

Substrate thicknes [mm]		0,50	0,55	0,63	0,75	0,88	1,00	Wood class ≥		
Mt,nom		3 [Nm]						C24		
Characteristic load	Shear resistance VR,k [kN]	0,50	-	-	-	-	-	1,11	Load capacity of metal sheet	
		0,55	-	-	-	-	-	1,11		
		0,63	-	-	-	-	-	1,45		
		0,75	-	-	-	-	-	1,49		
		0,88	-	-	-	-	-	1,49		
		1,00	-	-	-	-	-	1,49		
	Pull-out resistance NR,k [kN]	0,50	-	-	-	-	-	-	2,78	Load capacity of metal sheet
		0,55	-	-	-	-	-	-	2,78	
		0,63	-	-	-	-	-	-	4,51	
		0,75	-	-	-	-	-	-	4,51	
		0,88	-	-	-	-	-	-	4,51	
		1,00	-	-	-	-	-	-	4,51	

base of steel grade S280GD; S320GD; S350GD in accordance with standard EN 10346:2011.

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

EUROPEAN TECHNICAL APPROVAL ETA-12/0140

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
VR,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 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 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]							
0,50	-	-	-	-	-	-	1,11
0,55	-	-	-	-	-	-	1,11
0,63	-	-	-	-	-	-	1,45
0,75	-	-	-	-	-	-	1,49
0,88	-	-	-	-	-	-	1,49
1,00	-	-	-	-	-	-	1,49

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*

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



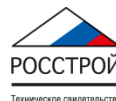
DWU/DoP



AT



KDZ



TC



POCC



SZU