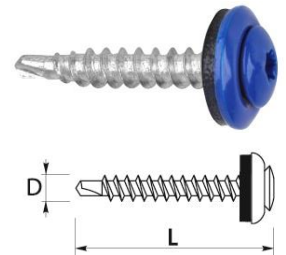


GTF P

FARMER SCREWS PANHEAD WITH ALUMINUM WASHER



PRODUCT DESCRIPTION

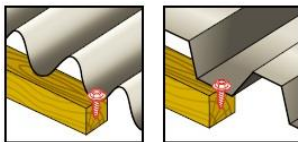
Self-drilling and tapping carbon steel screws, surface-hardened, electrogalvanized, with reduced drilling point, thread for wood and oval head with TX-20 cut. With integrated aluminum washer with vulcanized EPDM layer.

APPLICATION


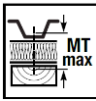
Designed for fastening corrugated metal sheets to wooden structures.

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 
GTF P	A14	4,8 x 28	2 x 1,00	2
GTF P	A14	4,8 X 35	2 x 1,00	9
GTF P	A14	4,8 X 60	2 x 1,00	34
GTF P	A14	4,8 X 80	2 x 1,00	54

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 \geq C24	
Mt,nom		3 [Nm]							
Characteristic load	Shear resistance VR,k [kN]	0,50	1,21	1,21	1,21	1,21	1,21	1,21	1,11
		0,55	1,21	1,21	1,21	1,21	1,21	1,21	1,11
		0,63	1,21	1,21	1,42	1,42	1,42	1,42	1,45
		0,75	1,21	1,21	1,42	2,27	2,27	2,27	1,49
		0,88	1,21	1,21	1,42	2,27	2,67	2,67	1,49
		1,00	1,21	1,21	1,42	2,27	2,67	2,69	1,49
	Pull-out resistenece NR,k [kN]	0,50	0,48	0,48	0,48	0,48	0,48	0,48	2,78
		0,55	0,48	0,48	0,48	0,48	0,48	0,48	2,78
		0,63	0,48	0,48	0,78	0,78	0,78	0,78	4,51
		0,75	0,48	0,48	0,78	0,91	0,91	0,91	4,51
		0,88	0,48	0,48	0,78	0,91	1,30	1,30	4,51
		1,00	0,48	0,48	0,78	0,91	1,30	1,61	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 \geq C24
VR,k [kN] for tN,I* [mm]	0,50	1,21	1,21	1,21	1,21	1,21	1,11
	0,55	1,21	1,21	1,21	1,21	1,21	1,11
	0,63	1,21	1,21	1,42	1,42	1,42	1,45
	0,75	1,21	1,21	1,42	2,27	2,27	1,49
	0,88	1,21	1,21	1,42	2,27	2,67	1,49
	1,00	1,21	1,21	1,42	2,27	2,67	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 $\gamma_m = 1,33$.

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 \geq C24
VR,k [kN] for tN,I* [mm]	0,50	0,48	0,48	0,48	0,48	0,48	2,78
	0,55	0,48	0,48	0,48	0,48	0,48	2,78
	0,63	0,48	0,48	0,78	0,78	0,78	4,51
	0,75	0,48	0,48	0,78	0,91	0,91	4,51
	0,88	0,48	0,48	0,78	0,91	1,30	4,51
	1,00	0,48	0,48	0,78	0,91	1,30	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
MINIMUM DRILLING CAPACITY:	2 x 0,50 mm
MAXIMUM DRILLING CAPACITY:	2 x 1,00 mm
THICKNESS OF THE ZINC COATING:	20 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 (ALUMINUM A14):	14 mm



ETA



DWU/DoP



AT



KDZ