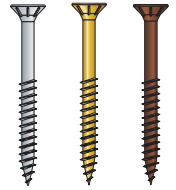


Declaration of Performance Number P 1210/13-630-1-TF

According to Regulation EU No 305/2011

TF01 - TF02 - TF04

Manufacturer: Tecfi S.p.A. - S.S. Appia, km 193 - 81050 Pastorano (CE), Italia

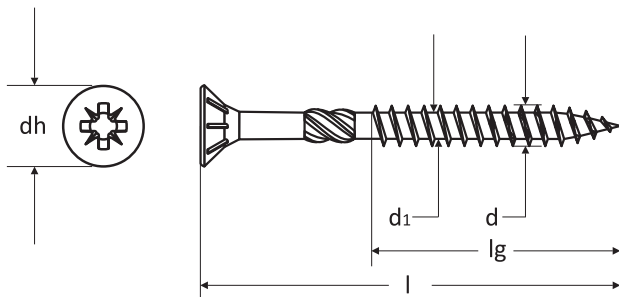


1 - Intended use

Product-type:	Fastener
Fastenertype:	Timberstructures - Dowel-typefasteners - Screws
Reference standard:	EN 14592:2008+A1:2012
Material:	Carbon steel
Durability:	TF01: Zinc plated, 5 [µm] minimum TF02: Yellow zinc plated, 5 [µm] minimum TF04: Bronze
Fire resistance:	No Performance Declared (NPD)
Firereaction:	A1 according to EN13501-1
Notified test laboratory:	Zavod ZA Gradbenist Vo Slovenije, Dimiceva 12, 1000 Ljubiana, Slovenia
Initial Type Testing:	P 1210/13-630-1
System VVCP:	3

2 - Type of screw

Item	Description	Finishing
TF01	Flat CSK head screw, cross type Z	zinc plated and waxed
TF02	Flat CSK head screw, cross type Z	yellow zinc plated and waxed
TF04	Flat CSK head screw, cross type Z	bronze plated and waxed



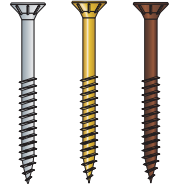
d	mm	Nominal diameter
d₁	mm	Inner thread diameter
l	mm	Overall fastener length
l_g	mm	Length of threading
d_h	mm	Head diameter
M_{y,k}	Nm	Characteristic yield moment
f_{ax,k}	N/mm ²	Characteristic withdrawal parameter
f_{head,k}	N/mm ²	Characteristic head pull-through parameter
ρ_a	N/mm ²	Associated wood density
f_{tens,k}	kN	Characteristic tensile capacity
f_{tor,k}	Nm	Characteristic torsional strength
R_{tor,k}	Nm	/ Characteristic torsional resistance to insertion into the timber

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TF01 - TF02 - TF04

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3 - Declared performance according to EN 14592:2008+A1:2012

Item Code	d (mm)	d ₁ (mm)	l (mm)	l _g (mm)	d _h (mm)	M _{y,k} (Nm)	f _{ax,k} (N/mm ²)	f _{head,k} (N/mm ²)	f _{tens,k} (kN)	R _{tor,k} (Nm)	f _{tor,k} (Nm)
Ø 3,5											
TF XX 35 030	3,44	2,10	30	18	6,55	2,21	16,94 (ρ _a =470)	34,28 (ρ _a =478,5)	4,92	0,48	2,60
TF XX 35 035			35	21							
TF XX 35 040			40	25							
TF XX 35 045			45	28							
TF XX 35 050			50	30							
Ø 4											
TF XX 40 030	4,00	2,45	30	18	7,55	3,19	16,17 (ρ _a =401)	40,76 (ρ _a =454,9)	6,08	0,69	3,62
TF XX 40 035			35	21							
TF XX 40 040			40	25							
TF XX 40 045			45	28							
TF XX 40 050			50	30							
TF XX 40 060			60	35							
TF XX 40 070			70	45							
TF XX 40 080			80	48							
Ø 4,5											
TF XX 45 035	4,50	2,70	35	21	8,35	3,71	14,39 (ρ _a =453)	39,01 (ρ _a =447,2)	7,47	0,87	4,45
TF XX 45 040			40	25							
TF XX 45 045			45	28							
TF XX 45 050			50	30							
TF XX 45 060			60	35							
TF XX 45 070			70	45							
TF XX 45 080			80	48							
TF XX 45 100			100	60							
Ø 5											
TF XX 50 040	4,97	3,00	40	25	9,35	4,87	15,05 (ρ _a =413)	21,18 (ρ _a =458,6)	9,20	1,88	6,61
TF XX 50 045			45	28							
TF XX 50 050			50	30							
TF XX 50 060			60	35							
TF XX 50 070			70	45							
TF XX 50 080			80	48							
TF XX 50 090			90	48							
TF XX 50 100			100	60							
TF XX 50 110			110	70							
TF XX 50 120			120	70							
TF XX 50 140			140	70							
TF XX 60 050	6,00	3,70	50	30	11,15	9,60	15,25 (ρ _a =438)	15,86 (ρ _a =342,2)	14,09	3,69	12,53
TF XX 60 060			60	35							
TF XX 60 070			70	45							
TF XX 60 080			80	48							
TF XX 60 100			100	70							
TF XX 60 120			120	70							
TF XX 60 140			140	70							
TF XX 60 160			160	70							
TF XX 60 180			180	70							
TF XX 60 200	200	70									

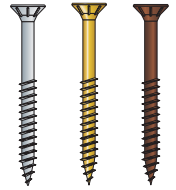
XX= TF01 - TF02 - TF04

Declaration of Performance Number P 1210/13-630-1-TF

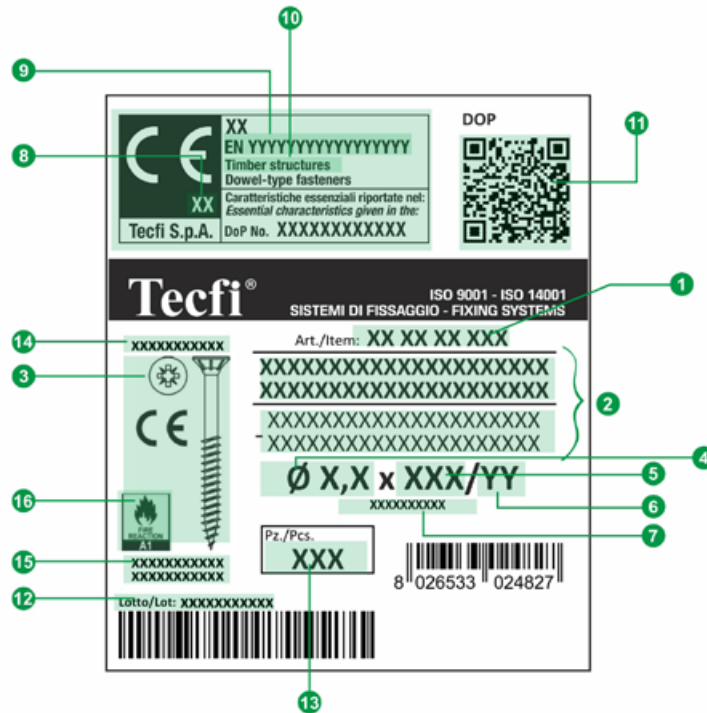
According to Regulation EU No 305/2011

TF01 - TF02 - TF04

Manufacturer: Tecfi S.p.A. - S.S. Appia, km 193 - 81050 Pastorano (CE), Italia



4 - Etichetta



- | | |
|--|--|
| <p>1 Codice articolo / Item Code</p> <p>2 Descrizioni / Descriptions</p> <p>3 Immagine / Picture</p> <p>4 Diametro (d) / Diameter (d)</p> <p>5 Lunghezza (L) / Length (L)</p> <p>6 Spessore massimo fissabile (t_{fix}) / Maximum Thickness of fixture (t_{fix})</p> <p>7 Diametro nominale / Nominal diameter</p> <p>8 Ultime due cifre dell'anno in cui il marchio è stato affisso per la prima volta / Last two digits of the year in which the marking was first affixed</p> <p>9 Standard europeo applicato / European standard applied</p> | <p>10 Uso del prodotto previsto dallo standard Europeo applicato, livello di prestazione dichiarato / Intended use of the product as laid down in the European standard applied, level of performance declared</p> <p>11 Link al DoP / Link to DoP</p> <p>12 Lotto / Lot Number</p> <p>13 Numero di pezzi per scatola / Number of Pieces per Box</p> <p>14 Misura inserto / Recess size</p> <p>15 Tipo di impronta / Recess type</p> <p>16 Logo Reazione al Fuoco A1 / Fire Reaction A1 Logo</p> |
|--|--|

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
President Antonio Guarino	Pastorano, June 1 st 2020	