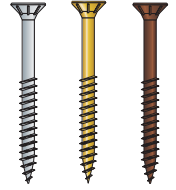


Declaration of Performance Number P 1210/13-630-1-TJ

According to Regulation EU No 305/2011

TJ01 - TJ02 - TJ04

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

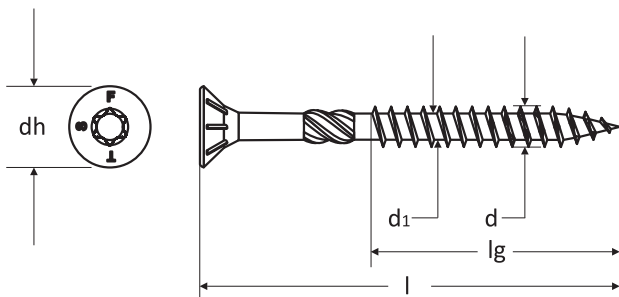


1 - Intended use

Product-type:	Fastener
Fastenertype:	Timberstructures - Dowel-typefasteners - Screws
Reference standard:	EN 14592:2008+A1:2012
Material:	Carbon steel
Durability:	TJ01: Zinc plated, 5 [µm] minimum TJ02: Yellow zinc plated, 5 [µm] minimum TJ04: 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
TJ01	Flat CSK head screw, 6-lobe	zinc plated and waxed
TJ02	Flat CSK head screw, 6-lobe	yellow zinc plated and waxed
TJ04	Flat CSK head screw, 6-lobe	bronze plated and waxed



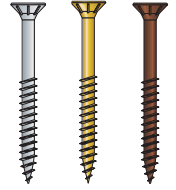
d	mm	Nominal diameter
d_i	mm	Inner thread diameter
l	mm	Overall fastener length
l_g	mm	Length of threading
d_h	mm	Head diameter
M_{y,k}	Nm	Characteristic yield moment
f_{ax,k}	N/mm ²	Characteristic withdrawal parameter
f_{head,k}	N/mm ²	Characteristic head pull-through parameter
ρ_a	N/mm ²	Associated 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

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

According to Regulation EU No 305/2011

TJ01 - TJ02 - TJ04

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



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											
TJ XX 30 012	3,00	2,00	12	9,80	5,65	1,67	21,19 (ρ _a =476)	44,41 (ρ _a =471,1)	4,32	0,325	1,61
TJ XX 30 016			16	13,80							
TJ XX 30 020			20	17,80							
TJ XX 30 025			25	18							
TJ XX 30 030			30	18							
TJ XX 30 035			35	21							
TJ XX 30 040			40	25							
TJ XX 30 045			45	28							
Ø 3,5											
TJ XX 35 016	3,44	2,10	16	12,50	6,55	2,21	16,94 (ρ _a =470)	34,28 (ρ _a =478,5)	4,92	0,48	2,60
TJ XX 35 018			18	14,50							
TJ XX 35 020			20	16,50							
TJ XX 35 025			25	18							
TJ XX 35 030			30	18							
TJ XX 35 035			35	21							
TJ XX 35 040			40	25							
TJ XX 35 045			45	28							
TJ XX 35 050			50	30							
TJ 02 35 060			60	35							
TJ 02 35 070			70	45							
Ø 4											
TJ XX 40 016	4,00	2,45	16	12,10	7,55	3,19	16,17 (ρ _a =401)	40,76 (ρ _a =454,9)	6,08	0,69	3,62
TJ XX 40 018			18	14,10							
TJ XX 40 020			20	16,10							
TJ XX 40 025			25	18							
TJ XX 40 030			30	18							
TJ XX 40 035			35	21							
TJ XX 40 040			40	25							
TJ XX 40 045			45	28							
TJ XX 40 050			50	30							
TJ XX 40 060			60	35							
TJ XX 40 070			70	45							
Ø 4,5											
TJ XX 45 020	4,50	2,70	20	15,80	8,35	3,71	14,39 (ρ _a =453)	39,01 (ρ _a =447,2)	7,47	0,87	4,45
TJ XX 45 025			25	20,80							
TJ XX 45 030			30	18							
TJ XX 45 035			35	21							
TJ XX 45 040			40	25							
TJ XX 45 045			45	28							
TJ XX 45 050			50	30							
TJ XX 45 060			60	35							
TJ XX 45 070			70	45							
TJ XX 45 080			80	48							

XX= TJ01 - TJ02 - TJ04

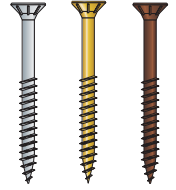
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Declaration of Performance Number P 1210/13-630-1-TJ

According to Regulation EU No 305/2011

TJ01 - TJ02 - TJ04

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



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 5											
TJ XX 50 020	4,97	3,00	20	15,40	9,35	4,87	15,05 (ρ _a =413)	21,18 (ρ _a =458,6)	9,20	1,88	6,61
TJ XX 50 025			25	18							
TJ XX 50 030			30	18							
TJ XX 50 035			35	21							
TJ XX 50 040			40	25							
TJ XX 50 045			45	28							
TJ XX 50 050			50	30							
TJ XX 50 060			60	35							
TJ XX 50 070			70	45							
TJ XX 50 080			80	48							
TJ XX 50 090			90	48							
TJ XX 50 100			100	60							
TJ XX 50 110			110	70							
TJ XX 50 120			120	70							
TJ XX 50 140	140	70									
Ø 6											
TJ XX 60 030	6,00	3,70	30	18	11,15	9,60	15,25 (ρ _a =438)	15,86 (ρ _a =342,2)	14,09	3,69	12,53
TJ XX 60 040			40	25							
TJ XX 60 050			50	30							
TJ XX 60 060			60	35							
TJ XX 60 070			70	45							
TJ XX 60 080			80	48							
TJ XX 60 090			90	60							
TJ XX 60 100			100	70							
TJ XX 60 110			110	70							
TJ XX 60 120			120	70							
TJ XX 60 140			140	70							
TJ XX 60 160			160	70							
TJ XX 60 180			180	70							
TJ XX 60 200			200	70							

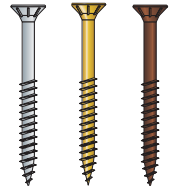
XX= TJ01 - TJ02 - TJ04

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

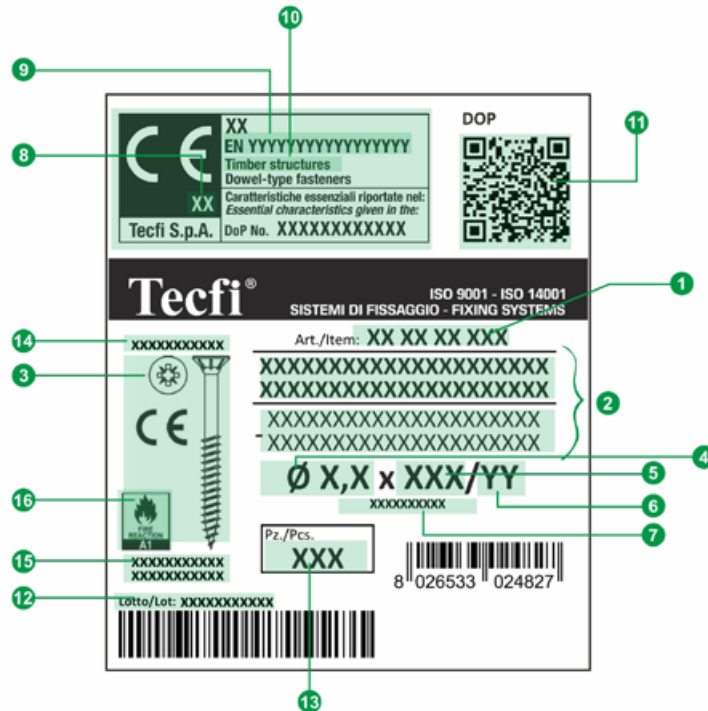
According to Regulation EU No 305/2011

TJ01 - TJ02 - TJ04

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



4 - Label



- | | |
|---|---|
| <ul style="list-style-type: none"> 1 Codice articolo / Item Code 2 Descrizioni / Descriptions 3 Immagine / Picture 4 Diametro (d) / Diameter (d) 5 Lunghezza (L) / Length (L) 6 Spessore massimo fissabile (t_{fix}) / Maximum Thickness of fixture (t_{fix}) 7 Diametro nominale / Nominal diameter 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 9 Standard europeo applicato / European standard applied | <ul style="list-style-type: none"> 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 11 Link al DoP / Link to DoP 12 Lotto / Lot Number 13 Numero di pezzi per scatola / Number of Pieces per Box 14 Misura inserto / Recess size 15 Tipo di impronta / Recess type 16 Logo Reazione al Fuoco A1 / Fire Reaction A1 Logo |
|---|---|

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 21 st 2016	