

## Declaration of Performance Number PP 0529/14-630-1-TT

According to Regulation EU No 305/2011

### TT02 - TT50

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

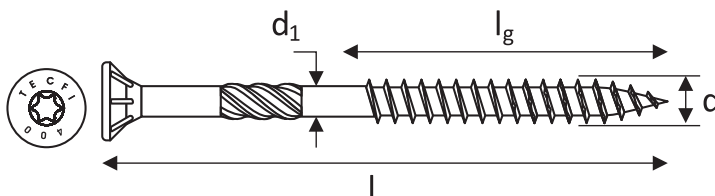


#### 1 - Intended use

Product-type:	Fastener
Fastener type:	Timber structures - Dowel type fasteners - Screws
Reference standard	EN 14592:2008+A1:2012
Material (TT02):	Carbon steel
Durability (TT02):	Yellow zinc plated, 5 [µm] minimum
Material (TT50):	A2 stainless steel
Durability (TT50):	A2 stainless steel
Fire resistance:	No Performance Declared (NPD)
Fire reaction:	A1 according to EN13501-1
Notified test laboratory:	Slovenian National Building and Civil Engineering Institute, Ljubljana (Slovenia)
Initial Type Testing:	PP 0529/14-630-1
AVCP System:	3

#### 2 - Tipo di vite

Codice	Descrizione	Finitura
TT02	Flat CSK head with ribs 6-lobe recess chipboard screw with reamer and special patented thread, GOLD yellow ZP (CrVI free) and waxed	GOLD yellow ZP (CrVI free)
TT50	A2 (AISI 304) stainless steel Flat CSK head with ribs 6-lobe recess chipboard screw with reamer and special patented thread, passivated and waxed	A2 (AISI 304) stainless steel



<b>d</b>	mm	Nominal diameter
<b>d<sub>1</sub></b>	mm	Inner thread diameter
<b>l</b>	mm	Overall fastener length
<b>l<sub>g</sub></b>	mm	Length of threading
<b>d<sub>n</sub></b>	mm	Head diameter
<b>M<sub>v,k</sub></b>	Nm	Characteristic yield moment
<b>f<sub>ax,k</sub></b>	N/mm <sup>2</sup>	Characteristic withdrawal parameter
<b>f<sub>head,k</sub></b>	N/mm <sup>2</sup>	Characteristic head pull-through parameter
<b>ρ<sub>a</sub></b>	N/mm <sup>2</sup>	Associated wood density
<b>f<sub>tens,k</sub></b>	kN	Characteristic tensile capacity
<b>f<sub>tor,k</sub></b>	Nm	Characteristic torsional strength
<b>R<sub>tor,k</sub></b>	Nm	Characteristic torsional resistance to insertion into the timber



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

Item code	d (mm)	d <sub>1</sub> (mm)	l (mm)	l <sub>g</sub> (mm)	d <sub>h</sub> (mm)	M <sub>y,k</sub> (Nm)	f <sub>ax,k</sub> (N/mm <sup>2</sup> )	f <sub>head,k</sub> (N/mm <sup>2</sup> )	f <sub>tens,k</sub> (kN)	R <sub>tor,k</sub> (Nm)	f <sub>tor,k</sub> (Nm)
<b>Ø 6</b>											
TT 02 06 080	6,00	3,85	80	45	11,50	9,22	16,56 (ρ <sub>a</sub> =459)	23,96 (ρ <sub>a</sub> =487)	12,45	2,60	9,67
TT 02 06 090			90								
TT 02 06 100			100								
TT 02 06 110			110								
TT 02 06 120			120	60							
TT 02 06 130			130								
TT 02 06 140			140								
TT 02 06 150			150								
TT 02 06 160			160	80							
TT 02 06 180			180								
TT 02 06 200			200								
TT 02 06 220			220								
TT 02 06 240			240								
TT 02 06 260			260								
TT 02 06 280			280								
TT 02 06 300			300								
<b>Ø 8</b>											
TT 02 08 080	8,00	5,20	80	50	14,75	22,74	15,37 (ρ <sub>a</sub> =456)	17,87 (ρ <sub>a</sub> =454)	24,52	5,92	26,27
TT 02 08 090			90								
TT 02 08 100			100	60							
TT 02 08 120			120								
TT 02 08 140			140	80							
TT 02 08 160			160								
TT 02 08 180			180								
TT 02 08 200			200	100							
TT 02 08 220			220								
TT 02 08 240			240								
TT 02 08 260			260								
TT 02 08 280			280								
TT 02 08 300			300								
TT 02 08 320			320								
TT 02 08 340			340								
TT 02 08 360			360	100							
TT 02 08 380	380										
TT 02 08 400	400										
<b>Ø 10</b>											
TT 02 10 080	10,00	6,35	80	60	17,75	23,77	15,43 (ρ <sub>a</sub> =464)	17,90 (ρ <sub>a</sub> =491)	33,22	9,54	43,59
TT 02 10 090			90								
TT 02 10 100			100								
TT 02 10 120			120								
TT 02 10 140			140	80							
TT 02 10 160			160								
TT 02 10 180			180								
TT 02 10 200			200								
TT 02 10 220			220	100							
TT 02 10 240			240								
TT 02 10 260			260								
TT 02 10 280			280								
TT 02 10 300			300								
TT 02 10 320			320								
TT 02 10 340			340								
TT 02 10 360			360								
TT 02 10 380	380										
TT 02 10 400	400										

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

Item code	d (mm)	d <sub>1</sub> (mm)	l (mm)	l <sub>g</sub> (mm)	d <sub>h</sub> (mm)	M <sub>y,k</sub> (Nm)	f <sub>ax,k</sub> (N/mm <sup>2</sup> )	f <sub>head,k</sub> (N/mm <sup>2</sup> )	f <sub>tens,k</sub> (kN)	R <sub>tor,k</sub> (Nm)	f <sub>tor,k</sub> (Nm)
Ø 6											
TT 50 06 080	6,00	3,85	80	45	11,50	6,59	16,56 (ρ <sub>a</sub> =459)	23,96 (ρ <sub>a</sub> =487)	9,43	2,91	8,44
TT 50 06 100			100								
TT 50 06 120			120	60							
TT 50 06 140			140								
TT 50 06 160			160	80							
TT 50 06 180			180								
TT 50 06 200			200								
TT 50 06 220			220								
TT 50 06 240			240								
TT 50 06 260			260								



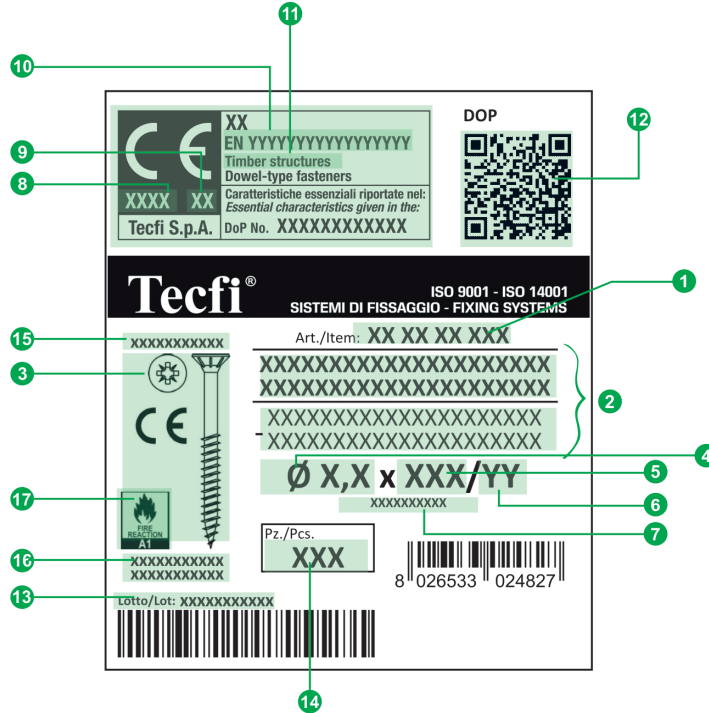
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#### 4 - Label



- |  |   |
|--|---|
| 1 Item Code  | 10 European standard applied  |
| 2 Descriptions   | 11 Intended use of the product as laid down in the European standard applied, level of performance declared |
| 3 Picture  | 12 Link to DoP  |
| 4 Diameter (d)   | 13 Lot Number   |
| 5 Length (L)   | 14 Number of Pieces per Box   |
| 6 Maximum Thickness of fixture (tfix)                                | 15 Recess size  |
| 7 Nominal diameter   | 16 Recess type  |
| 8 Notified test laboratory   | 17 Fire Reaction A1 Logo  |
| 9 Last two digits of the year in which the marking was first affixed |   |

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 <sup>st</sup> 2016	