

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

According to Regulation EUNo 305/2011

BA01

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

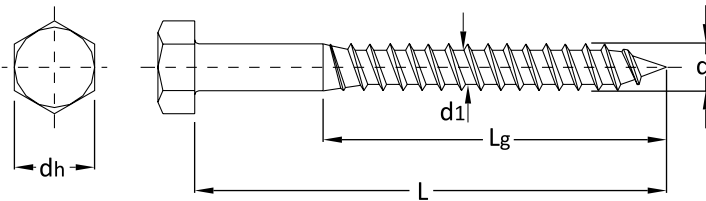


1 - Intended use

Product-type:	Fastener
Fastener type:	Timberstructures - Dowel-type fasteners - Screws
Reference standard:	EN 14592:2008+A1:2012
Material:	Carbon steel
Durability:	Zinc plated, 5 [µm] minimum
Fire resistance:	No Performance Declared (NPD)
Fire reaction:	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
BA01	DIN 571 - Hexagonal head wood screw	zinc plated



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_{v,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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3 - Declared performance according to EN 14592:2008+A1:2012

Codice Articolato	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 6											
BA 01 06 030	5,68	4,20	30	18	10	6,69	21,74 (ρ _a =456)	30,26 (ρ _a =410,2)	8,71	4,62	7,51
BA 01 06 040			40	24							
BA 01 06 050			50	30							
BA 01 06 060			60	36							
BA 01 06 070			70	42							
BA 01 06 080			80	48							
BA 01 06 090			90	54							
BA 01 06 100			100	60							
BA 01 06 110			110	66							
BA 01 06 120			120	72							
Ø 7											
BA 01 07 030	6,77	4,90	30	18	12,00	8,84	17,78 (ρ _a =469)	36,39 (ρ _a =399,6)	9,47	7,43	11,34
BA 01 07 040			40	24							
BA 01 07 050			50	30							
BA 01 07 060			60	36							
BA 01 07 070			70	42							
BA 01 07 080			80	48							
BA 01 07 090			90	54							
BA 01 07 100			100	60							
BA 01 07 110			110	66							
BA 01 07 120			120	72							
BA 01 07 130			130	78							
BA 01 07 150			150	90							
Ø 8											
BA 01 08 040	8,00	5,60	40	24	13,00	17,82	15,78 (ρ _a =488)	25,29 (ρ _a =374,8)	16,27	13,13	20,67
BA 01 08 050			50	30							
BA 01 08 060			60	36							
BA 01 08 070			70	42							
BA 01 08 080			80	48							
BA 01 08 090			90	54							
BA 01 08 100			100	60							
BA 01 08 110			110	66							
BA 01 08 120			120	72							
BA 01 08 130			130	78							
BA 01 08 140			140	84							
BA 01 08 150			150	90							
BA 01 08 160			160	96							
BA 01 08 180			180	108							
BA 01 08 200			200	120							
BA 01 08 220			220	132							
BA 01 08 240			240	144							
BA 01 08 250	250	150									

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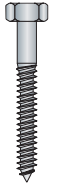
Codice Articolato	d (mm)	d ₁ (mm)	l (mm)	l _g (mm)	d _h (mm)	M _{y,k} (Nm)	f _{ax,k} (N/mm ²)	f _{head,k} (N/mm ²)	f _{tens,k} (kN)	R _{tor,k} (Nm)	f _{tor,k} (Nm)
Ø 10											
BA 01 10 050	9,91	7,00	50	30	17,00	30,37	17,28 (ρ _a =489)	29,32 (ρ _a =412)	24,11	18,86	38,88
BA 01 10 060			60	36							
BA 01 10 070			70	42							
BA 01 10 080			80	48							
BA 01 10 090			90	54							
BA 01 10 100			100	60							
BA 01 10 120			120	72							
BA 01 10 140			140	84							
BA 01 10 150			150	90							
BA 01 10 160			160	96							
BA 01 10 180			180	108							
BA 01 10 200			200	120							
BA 01 10 220			220	132							
BA 01 10 240			240	144							
BA 01 10 260			260	156							
BA 01 10 280	280	168									
BA 01 10 300	300	180									
Ø 12											
BA 01 12 080	11,86	9,00	80	48	19,00	58,46	14,36 (ρ _a =463)	32,09 (ρ _a =127,6)	35,08	32,59	67,33
BA 01 12 100			100	60							
BA 01 12 120			120	72							
BA 01 12 140			140	84							
BA 01 12 150			150	90							
BA 01 12 160			160	96							
BA 01 12 180			180	108							
BA 01 12 200			200	120							
BA 01 12 260			260	156							
BA 01 12 300			300	180							
BA 01 12 360			360	216							
BA 01 12 400			400	240							

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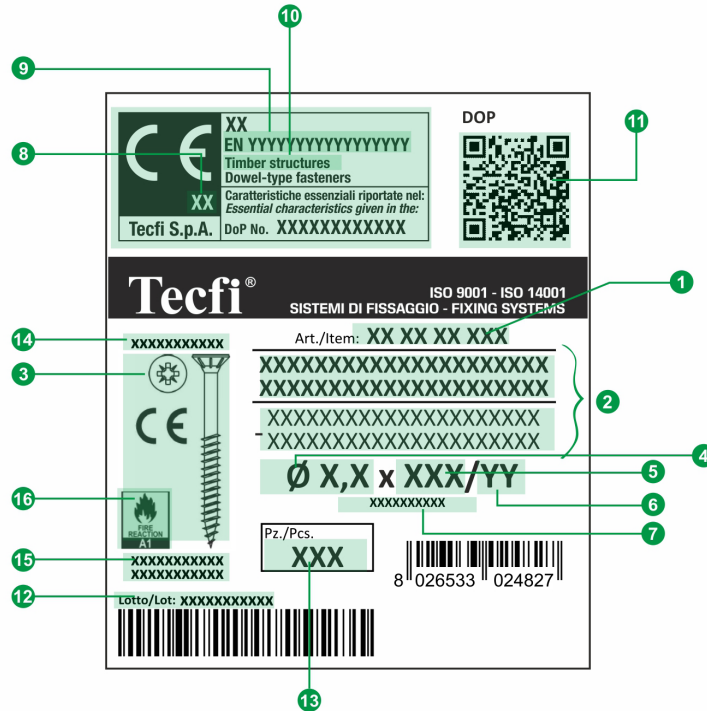
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4 - Label



- | | |
|---|---|
| <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	