

## Declaration of Performance No PP 0897/15-630-1

According to the Regulation EU No 305/2011

### HY01 - HYF04

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



1 - Intended use	
Product-type:	Fastener
Screw type:	Self-drilling screws for wood
Technical description of the product:	see Table 2
Specification of the intended use in accordance with hEN 14592:2008+A12012:	Timber structures - Dowel-type fasteners – Screws
Loading:	Static and quasi static load
Durability:	Zinc plated, 5 [µm] minimum
Resistance to fire:	A1 according to EN13501-1
Reaction to fire:	The metal parts of fastening screws are considered to satisfy the requirements of performance class A1 of reaction to fire, in accordance with the provisions of the EC Decision 96/603/EC (as amended) without the need for testing on the basis of its listing in that decision.
European Assessment Document:	EN 14592:2008+A1:2012
Technical Assessment Body:	Zavod ZA Gradbenist Vo Slovenije, Dimiceva 12, 1000 Ljubliana, Slovenia
Initial Type Testing (ITT):	PP 0897/15-630-1
Under the system:	3

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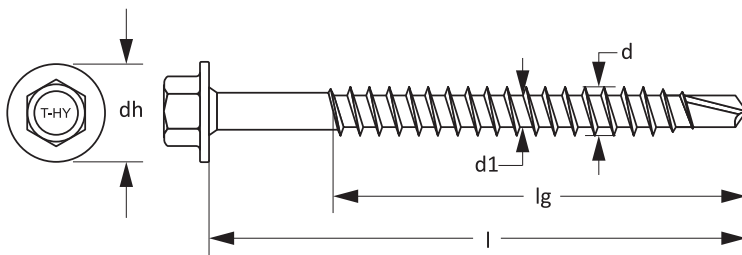
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## 2 - Type of screw

Item	Description	Finishing
HY01	Hexagonal flat washer head self drilling screw with reduced point with chipboard thread, hardened, zinc plated	Zinc plated min. 5 µm, Cr VI Free
HYF04	Hexagonal flat washer head self drilling screw with reduced point with chipboard thread, hardened, zinc plated, assembled with A2/EPDM umbrella gasket	Zinc plated min. 5 µm, Cr VI Free



**d** Nominal diameter

**d1** Inner thread diameter

**l** Overall fastener length

**lg** Length of threading

**dh** Head diameter

**$M_{y,k}$**  Characteristic yield moment

**$f_{ax,k}$**  Characteristic withdrawal parameter

**$f_{head,k}$**  Characteristic head pull-through parameter

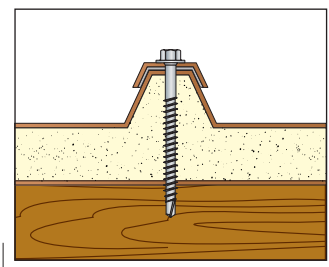
**$\rho_a$**  Associated wood density

**$f_{tens,k}$**  Characteristic tensile capacity

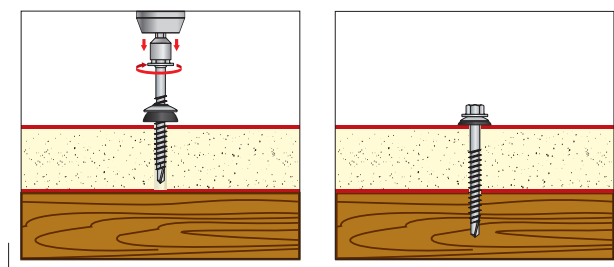
**$f_{tor,k}$**  Characteristic torsional strength

**$R_{tor,k}$**  Characteristic torsional resistance to insertion into the timber

## 3 - Installation



HY01



HYF04

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4 - Item code		d	d1	l	lg	dh	My,k	fax,k	fhead,k	ftens,k	Rtor,k	ftor,k
Item code		[mm]	[mm]	[mm]	[mm]	[mm]	[Nm]	[N/mm <sup>2</sup> ]	[N/mm <sup>2</sup> ]	[kN]	[Nm]	[Nm]
HY 01 65 032	-	6,50	4,2	32	32	12,80	15,44	13,64 ( $\rho_a=417$ )	20,02 ( $\rho_a=438$ )	17,30	3,01	14,41
HY 01 65 040	HYF 04 65 040			40	40							
HY 01 65 060	HYF 04 65 060			60								
HY 01 65 070	HYF 04 65 070			70								
HY 01 65 080	HYF 04 65 080			80								
HY 01 65 090	HYF 04 65 090			90								
HY 01 65 100	HYF 04 65 100			100								
HY 01 65 110	HYF 04 65 110			110								
HY 01 65 120	HYF 04 65 120			120								
HY 01 65 130	HYF 04 65 130			130								
HY 01 65 140	HYF 04 65 140			140								
HY 01 65 150	HYF 04 65 150			150								
HY 01 65 160	HYF 04 65 160			160								
HY 01 65 180	HYF 04 65 180			180								
HY 01 65 200	HYF 04 65 200			200								
HY 01 65 220	HYF 04 65 220			220								
HY 01 65 240	HYF 04 65 240			240								
HY 01 65 260	HYF 04 65 260			260								
HY 01 65 280	HYF 04 65 280			280								
HY 01 65 300	HYF 04 65 300			300								

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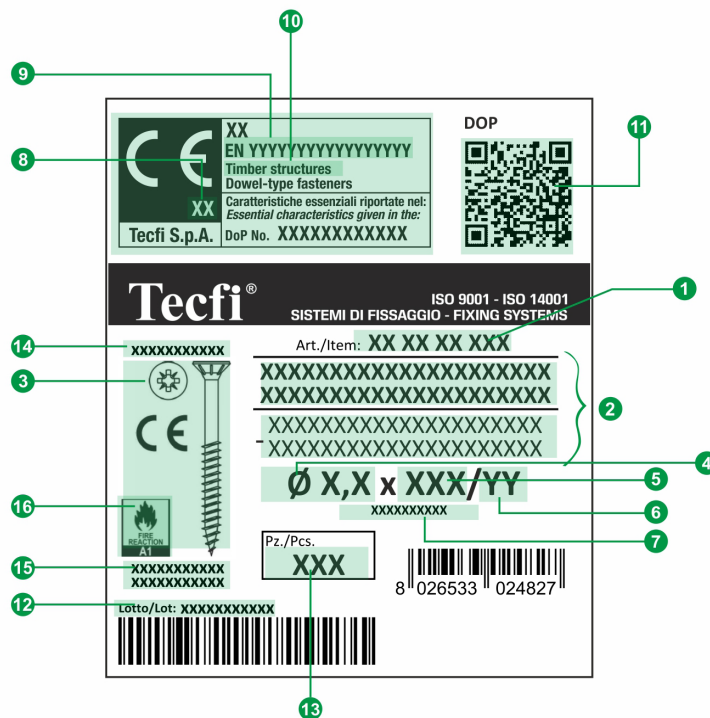
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#### 5 - Label



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

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, May 02 <sup>th</sup> 2019	