



Deltafix[®]

Declaration of Performance

according to Regulation (EU) no. 305/2011

Reference number: 1805-13.0 - LE 262

| General data | |
|---|---|
| Product | Woodstars screws |
| Coding acc. to Annex 0 of ETA | dddXLLL/bbb _ _ _ _ _ see label |
| Tracking number | Et. Nr. _ _ _ _ _ see label |
| Types | Product characteristics according to ETA-12/0373 Table A6.1ff |
| Intended use | Screws as timber fasteners for load-carrying timber structures |
| Manufacturer | www.schrauben.at |
| System | System 2+ |
| Technical assessment body | HolzCert Austria Nr. 1359 |
| Certificate of conformity for in-house production control | CPD - 0519 |
| European assessment document | CUAP 06.03/08 |
| European technical assessment | ETA-12/0373 from 05/11/2012 to 04/11/2017 |



| Performances declared | | | | | | | | |
|--|-------------------|-------------|-------|--------|--------|--------|--------|-------------------------------|
| Dimension d | mm | Ø 4,0 | Ø 4,5 | Ø 5,0 | Ø 6,0 | Ø 8,0 | Ø 10,0 | |
| General characteristics acc. to ETA | | x | x | x | x | x | x | ETA-12/0373 |
| Major characteristics | Unit | Performance | | | | | | European technical assessment |
| Characteristic tensile strength $f_{\text{tens, k}}$ | kN | 5,0 | 5,8 | 8,8 | 12,8 | 22,7 | 33,2 | ETA-12/0373 |
| Characteristic yield bending moment $M_{y, k}$ | Nm | 3,2 | 4,9 | 6,5 | 10,1 | 22,6 | 33,0 | ETA-12/0373 |
| Characteristic pull-out parameter $f_{ax, k, 90^\circ}$ | N/mm ² | 14,8 | 13,8 | 13,6 | 13,0 | 10,7 | 9,5 | ETA-12/0373 |
| Characteristic yield point $f_{y, k}$ | N/mm ² | 900 | 900 | 900 | 900 | 900 | 900 | ETA-12/0373 |
| Characteristic torsional strength $f_{\text{tor, k}}$ | Nm | 3,0 | 4,2 | 6,3 | 10,1 | 25,6 | 47,5 | ETA-12/0373 |
| Corrosion protection use class | Klasse | I | II | II | II | II | II | EN 1995-1-1:2004 |
| | | | | | | | | |
| Head diameter d_k countersunk head | mm | Ø 8,0 | Ø 9,0 | Ø 10,0 | Ø 12,0 | Ø 15,0 | Ø 18,5 | |
| Characteristic head pull-through parameter $f_{\text{head } 90^\circ, k}$ | N/mm ² | 17,1 | 17,6 | 14,6 | 14,6 | 12,4 | 12,2 | ETA-12/0373 |
| Head diameter d_k washer head | mm | - | - | - | Ø 14,0 | Ø 20,0 | Ø 25,0 | |
| Characteristic head pull-through parameter $f_{\text{head } 180^\circ, k}$ | N/mm ² | - | - | - | 16,7 | 17,6 | 15,2 | ETA-12/0373 |



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The performance of the above-mentioned products is in conformity with the performance declared. The manufacturer is solely responsible for the preparation of the declaration of performance.

Authorized 07.05.2018 by J.W. van Elburg, ceo

A handwritten signature in blue ink, consisting of several fluid, overlapping strokes that form a cursive name.