

DECLARATION OF PERFORMANCE  
according Annex III of the Regulation (EU) Nr. 305/2011

Name of the product **Bolts and nuts made of steel**

Nr. **DOP 4\_1-13/4**

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|--|---|
| 1. Unique identification code of the product-type: | DOP 4_1-13/4  |
| 2. Inteded use:                                    | Screws for structural timber products                                   |
| 3. Manufacturer:                                   | Verbindungselemente Engel GmbH<br>Weltestraße 2+4<br>D-88250 Weingarten |
| 5. System of AVCP:                                 | System 3  |
| 6. Harmonised standard:                            | EN 14592:2008+A1:2012   |
| Notified body:                                     | NB 0672   |
| 7. Declared performance:                           |   |

| Essential features  | Measure | Performance |      |      |      |       |       |       |
|---|---------|-------------|------|------|------|-------|-------|-------|
|   |         | Dimension   |      |      |      |       |       |       |
|   |         | M6          | M8   | M10  | M12  | M16   | M20   | M24   |
| Material  | [mm]    | 4.8         |      |      |      |       |       |       |
| Characteristic yield moment $M_{y,k}$                         | [Nm]    | 12,7        | 26,7 | 47,8 | 76,7 | 162,1 | 289,6 | 465,3 |
| Corrosion protection zinc coating class of use<br>EN 1995-1-1 | Class   | 2           |      |      |      |       |       |       |

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| 8. Appropriate Technical Documentation: | ITT 902 62220 000/1 |
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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.

Signed for and on behalf of the manufacturer by:

Holger Voss, managing director  
Weingarten, 10.01.2020

