



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**

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
Weltestraße 2+4
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
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 EN 1995-1-1	Class	2						

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

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