

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

Name of the product **Chipboard screw countersunk head with drilling tip; A2
nominal- ϕ 4,0 – 6,0mm; nominal length 40 – 140mm**

Nr. **DOP 16_1-17/3**

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| 1. | Unique identification code of the product-type: | DOP 16_1-17/3 |
| 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:
Notified body: | EN 14592:2008+A1:2012
NB 1015 |
| 7. | Declared performance: | |

Essential features	Measure	Performance			
		Dimension			
	[mm]	ϕ 4,0	ϕ 4,5	ϕ 5,0	ϕ 6,0
Characteristic yield moment $M_{y,k}$	[Nmm]	1511	2714	3559	4997
Characteristic tensile capacity $f_{tens,k}$	[kN]	2,07	2,73	2,97	4,32
Characteristic withdrawal parameter $f_{ax,k}$ in timber with characteristic density $\rho_k = 450 \text{ kg/m}^3$	[N/mm ²]	6,60	6,53	7,04	6,38
Characteristic head pull-through parameter $f_{head,k}$ in timber with characteristic density $\rho_k = 450 \text{ kg/m}^3$	[N/mm ²]	13,04	14,09	13,97	12,26
Characteristic torsional ratio $f_{tor,k} / R_{tor,k}$		≥ 1,50			
Corrosion protection stainless steel class of use EN1995-1-1	Klasse	3			

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| 8. | Appropriate Technical Documentation: | TPS-CE 16_1-17 |
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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