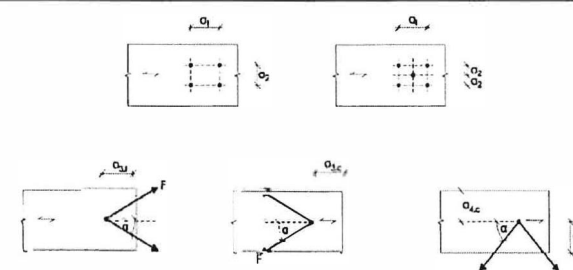
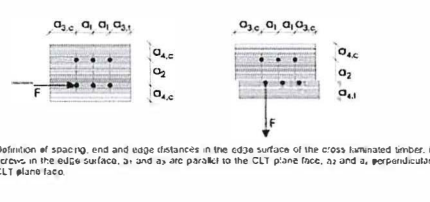


DECLARATION OF PERFORMANCE No

- | | |
|--|--|
| 1. Unique identification code of the product-type: | 3447-10-001 |
| 2. Intended use/es: | Screws for use in timber constructions |
| 3. Manufacturer: | Ivana B.V.
Pompmolenlaan 10
3447 GK Woerden |
| 4. Authorised representative: | not applicable |
| 5. System/s of AVCP: | system 3 |
| 6. European Assessment Document: | EAD 130118-00-0603 10/2016 |
| European Technical Assessment: | ETA-18/0817 17/01/2019 |
| Technical Assessment Body: | DEUTSCHES INSTITUT FÜR BAUTECHNIK |
| Notified body/ies: | 0769 |
| 7. Declared performance/s: | |

Essential characteristic	Performance							
Dimensions	ϕ	[mm]	6	8	10			
Characteristic yield moment	$M_{v,k}$	[Nm]	10	25	43			
Bending angle	max.	[°]	33	30	29			
Characteristic withdrawal parameter	$f_{ax,k}$	[N/mm ²]	12	12	11			
Characteristic head pull-through parameter	$f_{head,k}$	[N/mm ²]	9,4	9,4	9,4			
Characteristic tensile strength	$f_{tens,k}$	[kN]	13	25	36			
Characteristic yield strength	$f_{y,k}$	[N/mm ²]	NPD	NPD	NPD			
Characteristic torsional strength	$f_{tor,k}$	[Nm]	10	27	45			
Insertion moment	$R_{tor,k}$	[Nm]	5	11	22			
Spacing, end and edge distances of the screws and minimum thickness of the wood based material								
distance and thickness [mm]	a_1	$a_{3,t}$	$a_{3,c}$	a_2	$a_{4,t}$	$a_{4,c}$	T_{min}	
Plane surface (for $\phi 6/\phi 8/\phi 10$)	24/32/40	36/48/60	36/48/60	15/20/25	36/48/60	15/20/25	24/30/40	
Edge surface (for $\phi 6/\phi 8/\phi 10$)	60/80/100	72/96/120	42/56/70	24/32/40	36/48/60	18/24/30		
 <p style="font-size: small;">Figure A 2.1 Definition of spacing, end and edge distances in the Plane surface of the cross laminated timber</p>								
 <p style="font-size: small;">Figure A 2.2 Definition of spacing, end and edge distances in the edge surface of the cross laminated timber. For screws in the edge surface, a_1 and a_2 are parallel to the CLT plane face, a_3 and a_4 perpendicular to CLT plane face</p>								
Slip modulus	K_{ser}	[N/mm]	25 x l e f x d					
Reaction to fire	Class A1							

1/2

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **not applicable**

The performance of the product identified above is in conformity with the set of declared performance/s. 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:

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