

# DECLARATION of PERFORMANCE

DoP No.: 3-0203-12-05

1. Unique Identification Code of the Product-Type: TENZ® Wood Building Screw
2. Intended Use/es: Screws used for connections in timber constructions
3. Manufacturer: TENZ GmbH  
8042 Graz Schmiedstraße 1  
Austria  
www.tenz.at
4. Authorized Representative: not relevant
5. System/s of AVCP: System 3
- 6a) -
- 6b) -
- European Assessment Document: EAD 130118-01-0603 of 02.2019
- European Technical Assessment: ETA-20/0421 of 23.11.2022
- Technical Assessment Body: ETA Danmark
- Notified Body/ies: -



## 7. Declared Performances

Essential Characteristics	Performance Declared			Harmonized Technical Specification
Nominal Diameter d [mm]	6,0	8,0	10,0	ETA-20/0421 Annex A
Yield Moment M <sub>y,k</sub> [Nm]	10,0	23,0	36,0	EAD 130118-01-0603
Bending Angle BW [°]	NPD			EAD 130118-01-0603
Charact. Withdrawal Parameter f <sub>ax,k</sub> [N/mm <sup>2</sup> ] at 350 kg/m <sup>3</sup>	12,0	11,0		EAD 130118-01-0603
Charact. Head Pull-through Parameter Countersunk 90° f <sub>head,k</sub> [N/mm <sup>2</sup> ] at 350 kg/m <sup>3</sup> t: <12 / 12-20 / >20 mm	7,5 / 7,5 / 12			EAD 130118-01-0603
Charact. Head Pull-through Parameter other heads f <sub>head,k</sub> [N/mm <sup>2</sup> ] at 350 kg/m <sup>3</sup> t: <12 / 12-20 / >20 mm	7,5 / 7,5 / 9,4			EAD 130118-01-0603
Charact. Tensile Strength f <sub>tens,k</sub> [kN]	13,0	25,0	34,0	EAD 130118-01-0603
Charact. Yield Strength f <sub>y,k</sub> [N/mm <sup>2</sup> ]	NPD			EAD 130118-01-0603
Charact. Torsional Strength f <sub>tor,k</sub> [Nm]	10,0	24,0	45,0	EAD 130118-01-0603
Charact. Insertion Moment R <sub>tor,mean</sub> [Nm]	NPD			EAD 130118-01-0603
Torsional Ratio f <sub>tor,k</sub> /R <sub>tor,mean</sub>	≥ 1,5			EAD 130118-01-0603
Spacing, End and Edge Distances and Minimum Thickness of Timber	For cross laminated timber (CLT) acc. to ETA: Face: a1=4·d   a2=2,5·d   a3,c=6·d   a3,t=6·d   a4,c=2,5·d   a4,t=6·d Edge: a1=10·d   a2=4·d   a3,c=7·d   a3,t=12·d   a4,c=3·d   a4,t=6·d For all other applications and for minimum thickness s. EN 1995-1-1			EAD 130118-01-0603 EN 1995-1-1
Slip Modulus K <sub>ser</sub> [N/mm]	K <sub>ser</sub> = 25 * d * l <sub>ef</sub>			EAD 130118-01-0603
Durability [Class]	2			EN 1995-1-1
Reaction to Fire [Class]	A1			EAD 130118-01-0603

8. Appropriate Technical Documentation and/or Specific Technical Documentation: not relevant

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:

Graz, 2023-01-01

Place, Date

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Signature