# Declaration of Performance

| | |
|---|---|
| **Declaration of performance no.:** | DOP-3102045-2019 |
| **1. Unique identification code of the product type:** | CS 45045 |
| **2. Intended use or uses:** | For connecting wooden load-bearing structures with wooden elements |
| **3. Manufacturer:** | DOMAX Sp. z o.o. Łężyce, al. Parku Krajobrazowego 109 84-207 Koleczkowo, Polska |
| **4. Authorized representative:** | nd |
| **5. System(s) for assessment and verification of constancy of performance:** | 3 |
| **6. European Assessment Document:** | EAD 130118-01-0603 (2019) |
| **European technical assessment:** | ETA 16/0156 (01.08.2026 r.) |
| **Technical evaluation unit:** | Technický a zkušební ústav stavební Praha |
| **Notified body or bodies:** | 1020 |

**7. Declared Performance**

| Essential characteristics | Performance characteristics |
|---|---|
| Mechanical strength and durability | |
| Dimensions | 4,5x45 |
| Characteristic plasticizing moment of the smooth part (Nmm) | 6420 |
| Characteristic plasticization torque of the threaded part (Nmm) | 1480 |
| Characteristic pullout strength radial to wood fiber fax,k (N/mm2) | 11,54 (g=350 kg/m3) |
| Characteristic pullout strength tangentially to wood fibers fax,k (N/mm2) | 12,21 (g=350 kg/m3) |
| Characteristic pullout strength along wood fibers fax,k (N/mm2) | 6,37 (g=350 kg/m3) |
| Characteristic tensile strength of the head radially to the fiber fhead,k (N/mm2) | 14,59 (g=380 kg/m3) |
| Characteristic resistance to pulling the head tangentially to the wood fibers fhead,k (N/mm2) | 14,15 (g=380 kg/m3) |
| Specific tensile strength ftens,k (kN) | 5,94 |
| Characteristic yield strength (MPa) | 782.3 |
| Characteristic torsional strength ftor,k (Nm) | 3,40 |
| Screw-in torque (Nm) | 0,88 |
| Characteristic torsion factor ftor,k/Rtor,k | 3,85 |
| Bending angle | 38°81' |
| Corrosion resistance | Fe/Zn 12c |
| Safety in case of fire | |
| Response to fire | A1 |

The performance of the product identified above is consistent with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer:

Marek Dobrowolski

Łężyce, 14.08.2026 r.

President of the Company's Board

