# Declaration of Performance

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|---|---|
| **Declaration of performance no.:** | DOP-480910-2024 |
| **1. Unique identification code of the product type:** | PS 160U R500 |
| **2. Intended use or uses:** | Connections in load-bearing timber structures |
| **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:** | 2+ |
| **6. European Assessment Document:** | EAD 130186-00-0603 (2018) |
| **European technical assessment:** | ETA 20/1044 (26.11.2023 r.) |
| **Technical evaluation unit:** | Technický a zkušební ústav stavební 1020 |
| **Factory Production Control:** | Instytut Techniki Budowlanej 1488 |
| **Certificate:** | 1488-CPR-0122/Z |

**7. Declared Performance**

| Essential characteristics | Performance characteristics |
|---|---|
| Mechanical strength and durability | |
| Connection strength | |
| Load capacity NRd,v [kN] - Load with vertical force directed downwards | |
| Wood N Rk, V, w | 196,7 kN |
| Steel N Rd, V, s | 59,7 kN |
| Maximum load NRd, H1 [kN] - Load with a horizontal force parallel to the bolt axis | |
| Wood N Rk, H1, w | 13,3 kN |
| Steel N Rd, H1, s | 4,8 kN |
| Maximum load NRd, H2 [kN] - Load with a horizontal force perpendicular to the bolt axis | |
| Wood N Rk, H2, w | 28,3 kN |
| Steel N Rd, H2, s | 1,2 kN |
| Joint stiffness | NPA |
| Plasticity of the joint | NPA |
| Seismic resistance | NPA |
| Resistance to corrosion and deterioration | NPA |
| Safety in case of fire | |
| Response to fire | A1 |
| Fire resistance | NPA |

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, 2024-03-01

President of the Company's Board

