

DECLARATION OF PERFORMANCE No 020/2021

- 1. Unique identification code of the product-type:** WDCT, WDCS
- 2. Intended use/es:** Mechanical fasteners, flat countersunk or wafer head, star recess for structural connections of wooden elements.
- 3. Manufacturer:** P.H. HAMAR Sp. J. B. i H. Grzesiak, ul. Hutnicza 7, 81-061 Gdynia, Poland
- 4. System of AVCP:** System 3
- 5. Harmonised standard:** EN 14592:2008+A1:2012
Notified Body: Strojirenský zkušební ústav, s.p. 621 00 Brno, Czech Republic, no. 1015
- 6. Declared performance:**

Essential characteristic	Performance	
Material	Carbon steel 10B21	
Diameter (d) [mm]	8,0	
Corrosion resistance	Type of coating	
	Zinc plate, thickness min. 8 µm, acc. to DIN EN ISO 4042:2018 Service Class 1 and 2 acc. to EN 1995-1-1	
Characteristic yield moment ($M_{y,k}$) [Nmm]	26 601 thread section	48 053 smooth section
Characteristic withdrawal parameter ($f_{ax,k}$) [N/mm ²], for wood ρ_k 350 [kg/m ³]	14,14 perpendicular to the grain	10,92 parallel to the grain
Characteristic head pull-through parameter ($f_{head,k}$) [N/mm ²], for wood ρ_k 350 [kg/m ³]	20,17 csk head	25,57 wafer head
Characteristic tensile capacity ($f_{tens,k}$) [kN]	27,40	
Characteristic torsional ratio ($f_{tor,k}/R_{tor,k}$), for wood ρ_k 450 [kg/m ³]	3,20	

Harmonised technical specification
 PN - EN 14592:2008+A1:2012

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 identified above.

Signed for and on behalf of the manufacturer by:



 Bogusław Grzesiak - Partner

Gdynia, 08.11.2021