



## DECLARATION OF PERFORMANCE

No. 2016-003

1. Unique identification code of the product type: WPO.....
2. Intended use/es: adjusting wood screws .....
3. Manufacturer: ARVEX GROBELNY Sp. z o.o. ....  
ul. Makuszyńskiego 4, 30-969 Krakow, POLAND.....
4. Authorised representative: .....
5. System/s of AVCP: system 3 .....
- 6a. Harmonised standard: PN-EN 14592+A1:2012 - „Timber structures – Dowel-type fasteners – Requirements”, 2012.....  
Notified Body/ies: 1015, certificate of accreditation 292/2016, Strojírenský Zkušební Ústav, s.p., Czech Republic.
- 6b. European Assessment Document: .....
- European Technical Assessment: .....
- Technical Assessment Body: .....
- Notified Body/ies: .....
7. Declared performance: .....

Essential characteristics	Product type and size*	Performance	Harmonised technical specification
	screws for wood		
Material	WPO	Carbon steel C1022/C10B21	According to SAE/AISI
Geometric dimensions – tolerances	WPO 6.0/xx	Length – L <sub>1</sub> [mm]: ± 2,5mm Diameter – d <sub>1</sub> [mm]: +0,1mm, -0,35mm Head diameter – d <sub>2</sub> [mm]: +0,2mm, -2,5mm	PN-EN 14592+A1:2012
Characteristic yield moment – M <sub>y,k</sub>	WPO 6.0/xx	13683 [Nmm]	PN-EN 14592+A1:2012
Characteristic withdrawal parameter for loading across the fibre – f <sub>ax,k</sub> [for characteristic density of wood ρ <sub>k</sub> = 370 kg/m <sup>3</sup> ]	WPO 6.0/xx	17,47 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
Characteristic withdrawal parameter for loading along the fibre – f <sub>ax,k</sub> [for characteristic density of wood ρ <sub>k</sub> = 370 kg/m <sup>3</sup> ]	WPO 6.0/xx	13,11 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
Characteristic head pull-through parameter – f <sub>head,k</sub> [for characteristic density of wood ρ <sub>k</sub> = 400 kg/m <sup>3</sup> ]	WPO 6.0/xx	29,83 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
Characteristic tensile capacity – f <sub>tens,k</sub>	WPO 6.0/xx	15,17 [kN]	PN-EN 14592+A1:2012
Characteristic torsional ratio (f <sub>tor,k</sub> / R <sub>tor,k</sub> ) [for characteristic density of wood ρ <sub>k</sub> = 450 kg/m <sup>3</sup> ]	WPO 6.0/xx	2,03	PN-EN 14592+A1:2012

\*xx – applies to any length of the specified diameter of the screw.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: *Certificate to the report on assessment of the performance of construction product No.: E-30-20272-16 issued on 31st May 2016 by Strojírenský Zkušební Ústav, s.p., Czech Republic.*

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:

Jerzy Grobelny.....

[name]

in Krakow ..... on 1st June 2016.....

[place]

[date of issue]

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"ARVEX GROBELNY" Sp. z o.o.  
Jerzy Grobelny