



Strojirenský zkušební ústav, s.p.  
Engineering Test Institute, Public Enterprise  
Hudcova 424/56b, 621 00 Brno, Czech Republic

# CERTIFICATE

Number: **E-30-20669-14**

Manufacturer: Hašpl a.s.  
Ke Koupališti 172  
549 32 Velké Poříčí, Czech Republic

Product, Type/Model/Specification: Machine nails and convex nails  $\varnothing$  3,1 mm  
- type of head: pan (convex nails)  
flat (machine, convex nails)  
- material: stainless steel 304,  
min. tensile strength 700 MPa - convex nails  
min. tensile strength 750 MPa - machine nails  
- length: (40 to 90) mm

Assessment of the performance construction product: see Annex 1 (page 2 of certificate)

Basis of Certificate issuance: Report on assessing the performance construction product  
30-10294/6 of 2014-09-16

Harmonized standard: EN 14592:2008+A1:2012, Tab. ZA.1

Strojirenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out an assessment of the performance in accordance with art. 1.4.(b) System 3 Annex V of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation - CPR) as amended, and has determined performance of essential characteristics of the construction product.

This Certificate is not a substitute for relevant document issued by Notified Body.

Brno, 2014-09-17



  
Ing. Pavel Šticha  
Director for Certification

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Certificate E-30-20669-14, Annex 1

Assessment of the performance construction product

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]	Characteristic tensile capacity $f_{tens,k}$ [kN]
		across the fibre	along the fibre		
Machine nail ø 3,1 mm	3 932	3,97	2,68	23,15	5,53
Convex nail ø 3,1 mm	4 115	10,19	5,29	23,08 <sup>*)</sup>	5,67
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	400		400	-
Durability (corrosion protection)	stainless steel 304 (Service Class 3 acc. to EN 1995-1-1)				

\*) pan head

