



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

CERTIFICATE

Number: **E-30-20668-14**

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

Product, Type/Model/Specification: Machine nails and convex nails \varnothing 2,8 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
30-10294/5 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

E-30-20668-14-en; Page 1 / Total pages 2





Certificate E-30-20668-14, Annex 1

Assessment of the performance construction product

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]
		across the fibre	along the fibre		
Machine nail ø 2,8 mm	2 879	3,92	2,87	21,76	4,61
Convex nail ø 2,8 mm	3 145	10,91	5,37	21,29 ^{*)}	4,69
Characteristic density of wood ρ_k [kg/m ³]	-	400		400	-
Durability (corrosion protection)	stainless steel 304 (Service Class 3 acc. to EN 1995-1-1)				

*) pan head

