



**Strojirenský zkušební ústav, s.p.**  
**(Engineering Test Institute, Public Enterprise)**  
Product certification body  
Hudcova 424/56b, 621 00 Brno, Czech Republic

## CERTIFICATE

Number: **E-30-20621-17**

Manufacturer  
and Manufacturing plant:

Shen-Chou Fasteners Industrial Co., Ltd.  
No. 40, Ln. 62, Sec. 2, Zhongshan Rd.  
Hunei Dist., Kaohsiung City 829, Taiwan (R.O.C.)

Product,  
Type/Model/Specification:

Chipboard screws  $\varnothing$  4.5 mm  
- flat or pan head, full or partial thread  
- type of recess: Torx, Phil, Square/Phil, Slot, Pozi, Square  
- material: stainless steel A2 (passivate)  
- coating type 1  
- length: (23 to 100) mm

Assessment of the performance  
of construction product:

see Annex 1 (page 3 of certificate)

Basis of Certificate issuance:

Report on assessment of the performance of construction product  
1015-CPR-30-11208/4 of 2017-12-06

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 point 1.4.(b) System 3 Annex V of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), and has determined the performance of essential characteristics of the construction product.

Product certification scheme applied: ČSN EN ISO/IEC 17067:2014, scheme type 1a.

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

Brno, 2017-12-07



  
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Ing. Pavel Štícha  
Director for Certification

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Assessment of the performance of 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]	Characteristic torsional ratio
		Perpendicular to the grain	parallel to the grain			
-	-	-	-	-	-	-
Chipboard screws ø 4.5 mm	3 106	17,65	12,75	24,47 <sup>flat head</sup> 27,36 <sup>pan head</sup>	3,90	1,52
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	350		350	-	350
Durability (i.e. corrosion protection)	stainless steel A2, passivate (Service Class 3 acc. to EN 1995-1-1)					

