



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

# CERTIFICATE

Number: **E-30-20187-14**

Manufacturer: JCY Masterpiece Hardware Industrial Co., Ltd.  
No. 30, Moudan Ln., Sec 2 Luhe Rd, Lugang Township  
Changhua County 50545, Taiwan

Product,  
Type/Model/Specification: Chipboard/wood screws  $\varnothing$  4.5 mm  
- countersunk or pan head  
- four nibs/ribs under head or without nibs/ribs  
- Pozi, Torx, Square/Phillips, Phillips, Slotted, Square recess  
- material: hardened carbon steel SAE1022  
- coating type 1  
- length: (18 to 650) mm

Determination of the product-  
type: see Annex 1 (page 2 of certificate)

Basis of Certificate issuance: Report - Determination of the product-type 30-10125 of 2014-03-11

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

Strojírenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out determination of the product-type in accordance with Art. 1.4 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) and has determined performance of essential characteristics of the product.

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

Brno, 2014-03-12



Ing. Pavel Šticha  
Director for Certification

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Certificate E-30-20187-14, Annex 1

Determination of the product-type

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
		loading across the fibre	loading along the fibre	countersunk head	pan head		
-	-					-	-
Chipboard/wood screws ø 4.5 mm	4 792	20,10	13,59	25,10	33,71	6,05	3,52
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	520		525		-	450
Durability (i.e. corrosion protection)	yellow zinc plated or zinc plated, min. 3 µm (Service Class 1 acc. to EN 1995-1-1)						

Intended use: for structural timber products

