



Strojirenský zkušební ústav, s.p., Brno, Česká republika  
Engineering Test Institute, Public Enterprise, Brno, Czech Republic

## CERTIFICATE

Number: **E-30-20386-12 rev.1**

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

Product,  
Type/Model/Specification: Screws  $\varnothing$  4.0 mm

Product identification and  
findings of the initial-type  
testing of the product: see Annex 1 (page 2)

Base of certificate issuance: Final Report on Initial Type-Testing of the product  
30-9841/2 of 2013-04-05

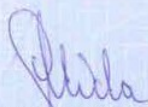
Harmonized standard: EN 14592:2008+A1:2012, Tab. ZA.1

Strojirenský zkušební ústav, s.p., Engineering Test Institute, Public Enterprise, confirms that performed the initial-type testing of the said product according to the requirement stated in Directive 89/106/EEC, Annex III, (2) (ii), second possibility (corresponds with Government Order 190/2002 Coll. § 5 art. 1 let. b). Final Report containing initial type-testing findings and data on product identification.

This Certificate was first issued on 2012-10-12.

Brno, 2013-04-08



  
Ing. Pavel Šticha  
Director for Certification

Certificate No. E-30-20386-12 rev.1.docx; Page 1 / Total pages 2

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Certificate E-30-20386-12 rev.1, Annex 1

Products identification and findings of the initial-type testing of the product:

1. Chipboard/wood screws  $\varnothing$  4.0 mm, countersunk or pan head, four nibs/ribs under head or without nibs/ribs, pozidrive or Torx recess, material: hardened carbon steel SAE1022, coating: (yellow) zinc plated, length: (25 to 70) mm.
2. Chipboard screws  $\varnothing$  4.0 mm, countersunk head, thread type: CS/WS/SWS, four nibs under head, pozidrive, Torx, square/Philips, Phillips, slotted or square recess, material: hardened carbon steel SAE1022, coating: (yellow) zinc plated, length (16 to 650) mm.

Intended use: for load bearing structural timber products.

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		
-	-					-	-
$\varnothing$ 4.0 mm	3 630	20,47	15,96	26,66	33,62	5,18	4,12
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	520		525		-	450
Durability (corrosion protection)	(yellow) zinc plated (Service Class 1 acc. to EN 1995-1-1)						

- for group 2 of products only:

Product	characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]	
	loading across the fibre	loading along the fibre
chipboard screws $\varnothing$ 4.0 mm	21,31	15,67
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	485	



Certificate No. E-30-20386-12 rev.1.docx; Page 2 / Total pages 2

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