



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

CERTIFICATE

Number: **E-30-20388-12 rev.2**

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 5.0 mm
see Annex 1 (page 2)

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
30-9904 of 2013-06-28

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, 2013-06-28




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Ing. Pavel Šticha
Director for Certification

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Certificate E-30-20388-12 rev.2, Annex 1

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

1. Chipboard/wood screws \varnothing 5.0 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: (30 to 120) mm.
2. Special wood screws \varnothing 5.0 mm, countersunk head, thread type: CSWS/SWS, four nibs under head, pozidrive, Torx, square/Philips, Phillips, slotted or square recess, material: hardened carbon steel SAE1022, coating: (yellow) zinc plated, length (20 to 650) mm.
3. Chipboard screws \varnothing 5.0 mm, oval head type U, four nibs/ribs under head or without nibs/ribs, full or partial thread, pozidrive, Torx, square/Philips, Phillips, slotted or square recess, material: hardened carbon steel SAE1022, coating: (yellow) zinc plated/ruspert, length: (20 to 650) mm.

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]	characteristic torsional ratio
		across the fibre	along the fibre	csk head ¹⁾	pan head ²⁾	oval head type U ³⁾		
	-						-	-
Chipboard/wood screws \varnothing 5.0 mm ^{a)}	6 647	19,11	15,15	23,03	27,63	16,97	7,74	3,67
Special wood screws \varnothing 5.0 mm ^{b)}		20,75	12,82		-	-		
Characteristic density of wood ρ_k [kg/m ³]	-	405 ^{a)} 485 ^{b)}		510 ^{1),2)} 450 ³⁾			-	450
Durability (corrosion protection)	yellow zinc plated or zinc plated (Service Class 1 acc. to EN 1995-1-1) ^{a1),a2),b1)} (yellow) zinc plating/Ruspert (Service Class 1 acc. to EN 1995-1-1) ^{a3)}							

Intended use: for load bearing structural timber products.

