



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

CERTIFICATE

Number: **E-30-20276-18**

Manufacturer and Manufacturing plant: LONG HWA SCREW WORKS Co., Ltd.
No. 9, 1st Street, Industrial Area, Putz
Chia Yi Hsien, Taiwan, R.O.C

Product, Type/Model/Specification: Screws \varnothing 10.0 mm
– type of head: HW, WF, F, FS, F2, IHW
– Torx recess
– material: hardened steel 10B21
– length: (60 to 1000) mm
– coating type 1: zinc plated or yellow plated, min. 3 μ m

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-30-11323/4 of 2018-06-11

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, 2018-06-12




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 ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]	Characteristic torsional ratio
	thread section	smooth section	perpendicular to the grain	parallel to the grain	-	-	
Screws ø 10.0 mm	31 300	70 218	13,86	10,86	24,47 ^{HW} 25,09 ^{WF} 24,69 ^F 16,42 ^{FS} 19,44 ^{F2} 29,59 ^{IHW}	34,63	3,17
Characteristic density of wood ρ_k [kg/m ³]	-		350		350	-	450
Durability (i.e. corrosion protection)	zinc plated or yellow zinc plated, min. 3 µm (Service Class 1 and 2 acc. to EN 1995-1-1)						