



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

CERTIFICATE

Number: **J-30-20204-10**

Manufacturer: FRIULSIDER S.p.A.
Via Trieste, 1, 33048 SAN GIOVANNI AL NATISONE (UD), ITALY

Product: Chipboard screw for professional use \varnothing 3,0 mm, \varnothing 3,5 mm, \varnothing 4,0 mm,
 \varnothing 4,5 mm, \varnothing 5,0 mm, \varnothing 6,0 mm
- material: cemented steel
- coating: white zinc plated, yellow passivated
- length: (16 to 150) mm

Type/Model: VBU PRO

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


Base of certificate: Final Report on Initial Type-Testing No. 30-9289/9 dated 2010-06-30

Standard applied: ČSN EN 14592:2009 (id. EN 14592:2008), tab. ZA.1

The Engineering Test Institute confirms that performed with satisfactory result 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 No. 190/2002 Coll. § 5 art. 1 let. b). Final Report on Initial Type-Testing containing examination findings and data on product identification.

Brno, Date 2010-06-30




Petr Mašek
Director

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Certificate No. J-30-20204-10, Annex 1

Product identification and the initial-type testing findings:

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
VBU PRO screw \varnothing 3,0 mm	1 723	7,95	27,88	3,33	6,14
VBU PRO screw \varnothing 3,5 mm	2 295	8,81	26,05	3,80	3,91
VBU PRO screw \varnothing 4,0 mm	3 002	8,03	21,34	5,69	5,09
VBU PRO screw \varnothing 4,5 mm	4 344	6,88	22,53	7,10	5,15
VBU PRO screw \varnothing 5,0 mm	5 978	7,58	15,82	8,27	5,21
VBU PRO screw \varnothing 6,0 mm	7 892	8,48	18,32	15,05	8,10
characteristic density of wood ρ_k [kg/m ³]	--	420	590	--	450
corrosion resistance	- grade 1 for diameter \leq 4 mm - no requirement - grade 2 for diameter $>$ 4 mm - no requirement				

Material: cemented steel.

Coating: white zinc plated, yellow passivated.

Length: (16 to 150) mm.

Screws are intended for use in load bearing wood constructions.

