



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

CERTIFICATE

Number: **E-30-20477-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 3.0 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/1 of 2017-09-25

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, 2017-09-26




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Ing. Pavel Šticha
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
		perpendicular to the grain	parallel to the grain			
-	-	-	-	-	-	-
Chipboard screw ø 3.0 mm	1 481	18,11	13,56	26,70	3,91	1,68
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 µm (Service Class 1 acc. to EN 1995-1-1)					





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(Engineering Test Institute, Public Enterprise)
Product certification body
Hudcova 424/56b, 621 00 Brno, Czech Republic

CERTIFICATE

Number: **E-30-20478-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 3.5 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/2 of 2017-09-25

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.

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Brno, 2017-09-26




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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
		perpendicular to the grain	parallel to the grain			
-	-			-	-	-
Chipboard screw ø 3.5 mm	2 959	19,16	13,62	24,01	5,21	1,69
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 μ m (Service Class 1 acc. to EN 1995-1-1)					





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Hudcova 424/56b, 621 00 Brno, Czech Republic

CERTIFICATE

Number: **E-30-20479-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 4.0 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/3 of 2017-09-25

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.

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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
		perpendicular to the grain	parallel to the grain			
-	-			-	-	-
Chipboard screw ø 4.0 mm	4 045	17,47	13,99	24,98	6,47	1,76
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 μ m (Service Class 1 acc. to EN 1995-1-1)					





Strojírenský zkušební ústav, s.p.
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Hudcova 424/56b, 621 00 Brno, Czech Republic

CERTIFICATE

Number: **E-30-20480-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 4.5 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/4 of 2017-09-25

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 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.

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Brno, 2017-09-26




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Ing. Ravel Šticha
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
		perpendicular to the grain	parallel to the grain			
-	-	-	-	-	-	-
Chipboard screw ø 4.5 mm	5 206	17,01	14,01	24,41	7,60	2,71
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 μ m (Service Class 1 and 2 acc. to EN 1995-1-1)					





Strojírenský zkušební ústav, s.p.
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Product certification body
Hudcova 424/56b, 621 00 Brno, Czech Republic

CERTIFICATE

Number: **E-30-20481-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 5.0 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/5 of 2017-09-25

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 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.

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Brno, 2017-09-26




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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
		perpendicular to the grain	parallel to the grain			
-	-			-	-	-
Chipboard screw ø 5.0 mm	8 812	18,04	14,01	23,13	9,61	2,47
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 μ m (Service Class 1 and 2 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **E-30-20482-17**

Manufacturer
and Manufacturing plant:

BALTIC-METAL S.C.
ul. Nowatorów 8
80-298 Gdańsk, Poland

Product,
Type/Model/Specification:

Chipboard screw \varnothing 6.0 mm
- double flat head
- pozi recess
- full or partial thread
- material: hardened carbon steel C 1022
- coating type 1: zinc plated, 5 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-30-11174/6 of 2017-09-25

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.

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Brno, 2017-09-26




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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
		perpendicular to the grain	parallel to the grain			
-	-			-	-	-
Chipboard screw Ø 6.0 mm	12 567	16,83	12,23	22,60	13,30	3,13
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 5 µm (Service Class 1 and 2 acc. to EN 1995-1-1)					

