



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

# CERTIFICATE

Number: **E-30-20331-17**

**Manufacturer  
and Manufacturing plant:**

Qingdao East & West International Trading Co. Ltd.  
R101, Unit 2, No. 6 Building, Northern Area  
Masterton Park, No. 16, XianXiaLing Road  
Hi Tech District, Qingdao, China

**Product,  
Type/Model/Specification:**

Chipboard screws  $\varnothing$  3,0 mm  
- csk head  
- full or partial thread  
- Pozl or Torx recess  
- material: steel C1022  
- coating type 1: zinc clear Cr3 or zinc yellow Cr6, min. 3  $\mu$ 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-30-11079/1 of 2017-06-29

**Harmonized standard:**

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

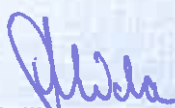
Strojírenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that It has carried out an assessment of the performance in accordance with point 1.4.(b) System 3 Annex V of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the 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.

This Certificate is not a substitute for relevant document issued by Notified Body.

Brno, 2017-06-30



  
.....  
**Ing. Pavel Štícha**  
Director for Certification

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Strojírenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika  
Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic

[www.szutest.cz](http://www.szutest.cz)



## **RULES FOR USING THE CERTIFICATE**

**This Certificate may only be used within the period of its validity and under the condition that the provisions of the standard according to which the product has been certificated are applicable.**

**The Certificate may only be used as a certificate for the product specified on the first page. This also holds true for use in advertising, promotional and commercial materials. Unauthorized or deceitful use of the Certificate may result in its withdrawal.**

**It is forbidden to change, amend or overwrite the data contained in the Certificate.**

**The Certificate may not be used to document the properties of product changed without the consent of the Engineering Test Institute in such a way that conformity with the standard specified on the previous page is affected.**

**The Certification Body requires that the Certificate holder keeps records of all complaints and remedies applicable to the products included under this Certificate.**



Certificate E-30-20331-17 Annex 1

**Assessment of the performance of construction product**

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
-	-	perpendicular to the grain	parallel to the grain	-	-	-
Chipboard screws Ø 3.0 mm	2 366	19,40	13,06	27,72	3,31	3,98
Characteristic density of wood $\rho$ [kg/m <sup>3</sup> ]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc clear Cr3 or zinc yellow Cr6, min. 3 µm (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-30-20332-17**

**Manufacturer  
and Manufacturing plant:**

Qingdao East & West International Trading Co. Ltd.  
R101, Unit 2, No. 6 Building, Northern Area  
Masterton Park, No. 16, XianXiaLing Road  
Hi Tech District, Qingdao, China

**Product,  
Type/Model/Specification:**

Chipboard screws  $\varnothing$  3,5 mm  
- csk and pan head  
- full or partial thread  
- Pozl or Torx recess  
- material: steel C1022  
- coating type 1: zinc clear Cr3 or zinc yellow Cr6, min. 3  $\mu$ 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-30-11079/2 of 2017-06-29

**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.

This Certificate is not a substitute for relevant document issued by Notified Body.

Brno, 2017-06-30



  
Ing. Pavel Štícha  
Director for Certification

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Strojírenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika  
Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic

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Certificate E-30-20332-17 Annex 1

Assessment of the performance of construction product

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
-	-	perpendicular to the grain	parallel to the grain	csk head	pan head	-	-
Chipboard screws Ø 3,5 mm	3 076	18,79	13,40	26,91	28,80	4,08	2,94
Characteristic density of wood $\rho_A$ [kg/m <sup>3</sup> ]	-	350		350		-	-
Durability (i.e. corrosion protection)	zinc clear Cr3 or zinc yellow Cr6, min. 3 µm (Service Class 1 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-30-20333-17**

**Manufacturer  
and Manufacturing plant:**

Qingdao East & West International Trading Co. Ltd.  
R101, Unit 2, No. 6 Building, Northern Area  
Masterton Park, No. 16, XianXiaLing Road  
Hi Tech District, Qingdao, China

**Product,  
Type/Model/Specification:**

Chipboard screws  $\varnothing$  4,0 mm  
- csk head  
- full or partial thread  
- Pozl or Torx recess  
- material: steel C1022  
- coating type 1: zinc clear Cr3 or zinc yellow Cr6, mln. 3  $\mu$ 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-30-11079/3 of 2017-06-29

**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.

This Certificate is not a substitute for relevant document issued by Notified Body.

Brno, 2017-06-30



  
Ing. Pavel Štícha  
Director for Certification



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Certificate E-30-20333-17 Annex 1

Assessment of the performance of construction product

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
-	-	perpendi- cular to the grain	parallel to the grain	-	-	-
Chipboard screws ø 4,0 mm	3 821	19,14	13,44	25,13	5,16	2,31
Characteristic density of wood $\rho$ [kg/m <sup>3</sup> ]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc clear Cr3 or zinc yellow Cr6, min. 3 µm (Service Class 1 acc. to EN 1995-1-1)					









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

## CERTIFICATE

Number: **E-30-20334-17**

**Manufacturer  
and Manufacturing plant:**

Qingdao East & West International Trading Co. Ltd.  
R101, Unit 2, No. 6 Building, Northern Area  
Masterton Park, No. 16, XianXiaLing Road  
Hi Tech District, Qingdao, China

**Product,  
Type/Model/Specification:**

Chipboard screws  $\varnothing$  5,0 mm  
- csk and pan head  
- full or partial thread  
- Pozl or Torx recess  
- material: steel C1022  
- coating type 1: zinc clear Cr3 or zinc yellow Cr6, min. 3  $\mu$ 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-30-11079/4 of 2017-06-29

**Harmonized standard:**

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

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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, 2017-06-30



  
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**Ing. Pavel Šticha**  
Director for Certification

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Strojírenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika  
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**The Certification Body requires that the Certificate holder keeps records of all complaints and remedies applicable to the products included under this Certificate.**





Certificate E-30-20334-17 Annex 1

Assessment of the performance of construction product

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
-	-	perpendi- cular to the grain	parallel to the grain	csk head	pan head	-	-
Chipboard screws ø 5.0 mm	6 067	18,58	14,23	24,15	26,77	7,90	2,48
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	350		350		-	450
Durability (i.e. corrosion protection)	zinc clear Cr3 or zinc yellow Cr6, min. 3 µm (Service Class 1 and 2 acc. to EN 1995-1-1)						







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

## CERTIFICATE

Number: **E-30-20335-17**

**Manufacturer  
and Manufacturing plant:**

Qingdao East & West International Trading Co. Ltd.  
R101, Unit 2, No. 6 Building, Northern Area  
Masterton Park, No. 16, XianXiaLing Road  
Hi Tech District, Qingdao, China

**Product,  
Type/Model/Specification:**

Chipboard screws  $\varnothing$  6,0 mm  
- csk and pan head  
- full or partial thread  
- Pozl or Torx recess  
- material: steel C1022  
- coating type 1: zinc clear Cr3 or zinc yellow Cr6, min. 3  $\mu$ 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-30-11079/5 of 2017-06-29

**Harmonized standard:**

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

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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, 2017-06-30



  
Ing. Pavel Šticha  
Director for Certification

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**The Certification Body requires that the Certificate holder keeps records of all complaints and remedies applicable to the products included under this Certificate.**



Certificate E-30-20335-17 Annex 1

Assessment of the performance of construction product

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ex,k}$ [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
-	-	perpendicular to the grain	parallel to the grain	csk head	pan head	-	-
Chipboard screws ø 6,0 mm	11 304	18,08	13,70	21,52	25,77	12,65	2,88
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	350		350		-	450
Durability (i.e. corrosion protection)	zinc clear Cr3 or zinc yellow Cr6, min. 3 µm (Service Class 1 and 2 acc. to EN 1995-1-1)						



