



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

CERTIFICATE

Number: **CPR-J-02039-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 2,5 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness $\geq 3 \mu\text{m}$
- length delivered for tests: 16 mm (csk head), 20 mm (pan head)

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-30-15709/1/JZ of 2021-11-29

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:
SZÚ-1a:2020.00 (it is based on the scheme 1a ISO/IEC 17067, based on testing and inspection).

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

Brno, 2021-11-30




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Ing. Pavel Šticha
Head of Certification Body



RULES FOR USING THE CERTIFICATE

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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 screws \varnothing 2,5 mm	1 003	17,57	14,26	29,88 ^{csk head} 36,39 ^{pan head}	2,48	2,22
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02040-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 3,0 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness \geq 3 μ m
- length delivered for tests: 40 mm (csk head), 15 mm (pan head)

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-30-15709/2/JZ of 2021-11-29

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

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Product certification scheme applied:
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Brno, 2021-11-30




Ing. Pavel Štícha
Head of Certification Body



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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 screws \varnothing 3,0 mm	1 330	17,21	13,22	28,42 csk head 34,43 pan head	3,10	4,79
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02041-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 3,5 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness \geq 3 μ m
- length delivered for tests: 50 mm (csk head), 30 mm (pan head)

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-30-15709/3/JZ of 2021-11-29

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

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Product certification scheme applied:
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Brno, 2021-11-30




Ing. Pavel Štícha
Head of Certification Body



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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 screws ø 3,5 mm	3 503	17,11	13,74	27,94 ^{csk head} 33,77 ^{pan head}	5,29	2,18
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02042-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 4,0 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness $\geq 3 \mu\text{m}$
- length delivered for tests: 50 mm (csk head), 25 mm (pan head)

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-30-15709/4/JZ of 2021-11-29

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

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Product certification scheme applied:
SZÚ-1a:2020.00 (it is based on the scheme 1a ISO/IEC 17067, based on testing and inspection).

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Brno, 2021-11-30




Ing. Pavel Stícha
Head of Certification Body



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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 screws \varnothing 4,0 mm	3 594	16,90	13,63	26,00 ^{csk head} 31,62 ^{pan head}	5,67	3,21
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02043-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 4,5 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness \geq 3 μ m
- length delivered for tests: 80 mm (csk head), 40 mm (pan head)

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-30-15709/5/JZ of 2021-11-29

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

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Product certification scheme applied:
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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 screws ø 4,5 mm	5 432	16,69	13,49	23,87 ^{csk head} 28,16 ^{pan head}	6,99	2,58
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	-	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 and 2 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02044-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 5,0 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness $\geq 3 \mu\text{m}$
- length delivered for tests: 50 mm (csk head), 50 mm (pan head)

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-30-15709/6/JZ of 2021-11-29

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

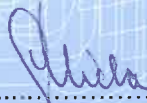
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Assessment of the performance of construction product

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 screws ø 5,0 mm	7 924	16,21	13,17	23,33 ^{csk head} 27,57 ^{pan head}	8,64	3,35
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 and 2 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02045-21**

Manufacturer and Manufacturing plant: ZDI SUPPLIES (HAIYAN) CO., LTD
Complex (Import & Export Building), No.8 Baibu Avenue,
Baibu Town, Haiyan County, Jiaxing City, Zhejiang Province
314312 HAIYAN, CHINA

Product, Type/Model/Specification: Chipboard screws \varnothing 6,0 mm
- countersunk head and pan head
- type of recess: Type Z, Torx, Phillips
- full or partial thread
- sharp tip
- material: carbon steel C1022
- coating type 1: zinc, thickness $\geq 3 \mu\text{m}$
- length delivered for tests: 80 mm (csk head), 50 mm (pan head)

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-30-15709/7/JZ of 2021-11-29

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


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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 screws ø 6,0 mm	8 112	15,11	12,76	21,18 ^{csk head} 24,22 ^{pan head}	13,04	2,09
Characteristic density of wood ρ_k [kg/m ³]	-	350	350	350	-	450
Durability (i.e. corrosion protection)	zinc, thickness $\geq 3 \mu\text{m}$ (Service Class 1 and 2 acc. to EN 1995-1-1)					



