



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-02126-21**

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: Heavy duty wood construction screws \varnothing 3,5 mm
- countersunk head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 50 mm

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-30-15708/1/JZ of 2021-12-09

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

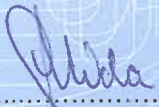
Strojirenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out an assessment of the performance in accordance with point 1.4.(b) System 3 Annex V of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the 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 (based on Scheme 1a of ISO/IEC 17067, which is based on testing and inspection).

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

Brno, 2021-12-10




Ing. Pavel Štícha
Head of Certification Body



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.

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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			
-	-	-	-	-	-	-
Heavy duty wood construction screws \varnothing 3,5 mm	2 064	17,04	12,68	26,52	4,12	3,50
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02127-21**

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: Heavy duty wood construction screws \varnothing 4,0 mm
- countersunk head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 50 mm

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-30-15708/2/JZ of 2021-12-09

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 (based on Scheme 1a of ISO/IEC 17067, which is based on testing and inspection).

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Brno, 2021-12-10




Ing. Pavel Šticha
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			
-	-	-	-	-	-	-
Heavy duty wood construction screws ø 4,0 mm	2 611	16,99	13,69	26,09	4,96	3,14
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, thickness $\geq 3 \mu\text{m}$ (Service Class 1 acc. to EN 1995-1-1)					





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CERTIFICATE

Number: **CPR-J-02128-21**

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: Heavy duty wood construction screws \varnothing 4,5 mm
- countersunk head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 75 mm

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-30-15708/3/JZ of 2021-12-09

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

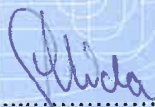
Strojirenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out an assessment of the performance in accordance with point 1.4.(b) System 3 Annex V of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the 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 (based on Scheme 1a of ISO/IEC 17067, which is based on testing and inspection).

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Brno, 2021-12-10




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Ing. Pavel Šticha
Head of Certification Body



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Certificate CPR-J-02128-21 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 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			
-	-	-	-	-	-	-
Heavy duty wood construction screws Ø 4,5 mm	4 940	16,19	12,81	25,34	6,46	3,30
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 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-02129-21**

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: Heavy duty wood construction screws \varnothing 5,0 mm
- countersunk head and wafer head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 80 mm (csk head), 40 mm (wafer 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-30-15708/4/JZ of 2021-12-09

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 (based on Scheme 1a of ISO/IEC 17067, which is based on testing and inspection).

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Brno, 2021-12-10




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			
-	-	-	-	-	-	-
Heavy duty wood construction screws ø 5,0 mm	7 055	16,06	13,07	23,37 csk head 27,83 wafer head	7,65	2,37
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 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-02130-21**

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: Heavy duty wood construction screws \varnothing 6,0 mm
- countersunk head and wafer head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 80 mm (csk head), 60 mm (wafer 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-30-15708/5/JZ of 2021-12-09

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			
-	-	-	-	-	-	-
Heavy duty wood construction screws ø 6,0 mm	10 604	15,79	12,28	21,17 csk head 24,47 wafer head	11,53	2,80
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, 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-02131-21**

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: Heavy duty wood construction screws \varnothing 8,0 mm
- countersunk head and wafer head
- Torx recess and Type Z recess
- sharp tip
- full or partial thread
- material: carbon steel C1022
- coating type 1: zinc plated, thickness \geq 3 μ m
- length delivered for tests: 120 mm (csk head), 160 mm (wafer 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-30-15708/6/JZ of 2021-12-09

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			
-	-	-	-	-	-	-
Heavy duty wood construction screws ø 8,0 mm	23 644 thread section 39 517 smooth section	15,45	12,35	20,60 csk head 24,13 wafer head	22,67	3,43
Characteristic density of wood ρ_k [kg/m ³]	-	350		350	-	450
Durability (i.e. corrosion protection)	zinc plated, thickness $\geq 3 \mu\text{m}$ (Service Class 1 and 2 acc. to EN 1995-1-1)					



