



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

CERTIFICATE

Number: **E-30-20120-17**

Manufacturer
and Manufacturing plant:

Ferrometal Oy supplier nr. 1223

Product,
Type/Model/Specification:

Decking screws #8 (ø 4.2 mm)
- type of head: bugle, trim, countersunk, pan
- full or partial thread
- type of recess: Pozi, Torx, Square/Phillips, Phillips, Square, Slotted
- material: carbon steel SAE1022
- coating type 1: zinc plated, yellow zinc plated or ruspert; coating thickness min. 3 µm
- length: (17 to 650) 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-30-10946/2 of 2017-03-21

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, 2017-03-22




Ing. Pavel Šticha
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-30-20120-17 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 ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]				Characteristic tensile capacity $f_{tens,k}$ [kN]	Characteristic torsional ratio
-	-	loading across the fibre	loading along the fibre	bugle head	trim head	csk head	pan head	-	-
Decking screws #8 (Ø 4.2 mm)	4 372	19,90	15,12	22,13	19,89	21,15	30,52	7,10	4,08
Characteristic density of wood ρ_k [kg/m ³]	-	460		460			400	-	450
Durability (i.e. corrosion protection)	zinc plated, yellow zinc plated or ruspert; coating thickness min. 3 µm (Service Class 1 acc. to EN 1995-1-1)								





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

CERTIFICATE

Number: **E-30-20034-17**

Manufacturer
and Manufacturing plant:

Ferrometal Oy supplier nr. 1223

Product,
Type/Model/Specification:

Decking screw #10 (ø 5.0 mm)
- type of head: countersunk, trim
- type of recess: square, pozi, torx, square/phillips, phillips, slotted
- full or partial thread
- material: carbon steel SAE 1022
- coating type 1: (yellow) zinc plated or ruspert, min. 3 µm
- length: (25 to 650) 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-30-10945/2 of 2017-01-25

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.

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

Brno, 2017-01-26



Ing. Pavel Šticha
Director for Certification





Certificate E-30-20034-17 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 ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]	Characteristic torsional ratio
-	thread section	smooth section	loading across the fibre	loading along the fibre	-	-	-
Decking screw #10 (Ø 5.0 mm)	7 579	11 127	18,71	13,56	23,52 ^{csk} 22,87 ^{trim}	9,19	2,89
Characteristic density of wood ρ_k [kg/m ³]	-		350		350	-	450
Durability (i.e. corrosion protection)	(yellow) zinc plated or ruspert, min. 3 µm (Service Class 1 and 2 acc. to EN 1995-1-1)						

