

Declaration of Performance (Certificate No. 03WS-22)	
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The undersigned, representing the following:

Table 01: Manufacturer and Authorised Representative		
Manufacturer, and the	Authorised representative established within the European Economic Area:	
Evolution Fasteners (UK) Ltd Clyde Gateway Trade Park Dalmarnock Road Glasgow G73 1AN United Kingdom	Evolution Fasteners (IE) Ltd Finglas Business Centre Jamestown Road Finglas Dublin 11 Republic of Ireland	Evolution Fasteners (NL) B.V. Pastoorlaan 57 Hilligom 2182 BW Netherlands

Do hereby declare the following in accordance with European Regulation No. 305/2011 Annex III:

UNIQUE IDENTIFICATION CODE(S) OF THE PRODUCT TYPE(S):

Table 02: Unique Identification Code(s) of the Product Type(s) (Part 01 of 03)			
Product Code	Nominal Dimensions		Coating/ Corrosion Protection
	Diameter, d_{nom} (mm)	Overall Length, L_{nom} (mm)	
WS3516	3.50 ± 0.10	16.0 ± 1.0	Service Class 2 (EN 1995-1-1)/ Class C2 (EN ISO 12944-2 and EN ISO 9223)
WS3520		20.0 ± 1.0	
WS3525		25.0 ± 1.0	
WS3530		30.0 ± 1.0	
WS3535		35.0 ± 1.0	
WS3540		40.0 ± 1.0	
WS3550		50.0 ± 1.0	
WS4020	4.00 ± 0.10	20.0 ± 1.0	
WS4025		25.0 ± 1.0	
WS4030		30.0 ± 1.0	
WS4035		35.0 ± 1.0	
WS4040		40.0 ± 1.0	
WS4045		45.0 ± 1.0	
WS4050		50.0 ± 1.0	
WS4060		60.0 ± 1.0	
WS4070		70.0 ± 1.0	
WS4080		80.0 ± 2.0	
WS5030	5.00 ± 0.10	30.0 ± 1.0	
WS5040		40.0 ± 1.0	
WS5050		50.0 ± 1.0	
WS5060		60.0 ± 1.0	
WS5070		70.0 ± 1.0	
WS5080		80.0 ± 2.0	
WS5090		90.0 ± 2.0	

Table 02: Unique Identification Code(s) of the Product Type(s) (Part 02 of 03)			
Product Code	Nominal Dimensions		Coating/ Corrosion Protection
	Diameter, d_{nom} (mm)	Overall Length, L_{nom} (mm)	
WS50100	5.00 ± 0.10	100.0 ± 2.0	Service Class 2 (EN 1995-1-1)/ Class C2 (EN ISO 12944-2 and EN ISO 9223)
WS6050	6.00 ± 0.15	50.0 ± 1.0	
WS6060		60.0 ± 1.0	
WS6070		70.0 ± 1.0	
WS6080		80.0 ± 2.0	
WS60100		100.0 ± 2.0	
WS60120		120.0 ± 2.0	
WS60150		150.0 ± 2.0	
WS60180		180.0 ± 3.0	
WS60200		200.0 ± 3.0	
WST3516	3.50 ± 0.10	16.0 ± 1.0	
WST3520		20.0 ± 1.0	
WST3525		25.0 ± 1.0	
WST3530		30.0 ± 1.0	
WST3535		35.0 ± 1.0	
WST3540		40.0 ± 1.0	
WST3550		50.0 ± 1.0	
WST4020	4.00 ± 0.10	20.0 ± 1.0	
WST4025		25.0 ± 1.0	
WST4030		30.0 ± 1.0	
WST4035		35.0 ± 1.0	
WST4040		40.0 ± 1.0	
WST4045		45.0 ± 1.0	
WST4050		50.0 ± 1.0	
WST4060		60.0 ± 1.0	
WST4070		70.0 ± 1.0	
WST4080		80.0 ± 2.0	
WST5030	5.00 ± 0.10	30.0 ± 1.0	
WST5040		40.0 ± 1.0	
WST5050		50.0 ± 1.0	
WST5060		60.0 ± 1.0	
WST5070		70.0 ± 1.0	
WST5080		80.0 ± 2.0	
WST5090		90.0 ± 2.0	
WST50100		100.0 ± 2.0	
WST6050	6.00 ± 0.15	50.0 ± 1.0	
WST6060		60.0 ± 1.0	
WST6070		70.0 ± 1.0	
WST6080		80.0 ± 2.0	
WST60100		100.0 ± 2.0	
WST60120		120.0 ± 2.0	
WST60150		150.0 ± 2.0	
WST60180		180.0 ± 3.0	
WST60200		200.0 ± 3.0	
A2WS4040	4.00 ± 0.10	40.0 ± 1.0	See overleaf
A2WS4050		50.0 ± 1.0	

Table 02: Unique Identification Code(s) of the Product Type(s) (Part 03 of 03)			
Product Code	Nominal Dimensions		Coating/ Corrosion Protection
	Diameter, d_{nom} (mm)	Overall Length, L_{nom} (mm)	
A2WS4070	4.00 ± 0.10	70.0 ± 1.0	Service Class 3 (EN 1995-1-1)/ Class C3 (EN ISO 12944-2 and EN ISO 9223)
A2WS5040	5.00 ± 0.10	40.0 ± 1.0	
A2WS5050		50.0 ± 1.0	
A2WS5060		60.0 ± 1.0	
A2WS5070		70.0 ± 1.0	
A2WS5090		90.0 ± 2.0	
A2WS50100		100.0 ± 2.0	
A2WS6080		80.0 ± 2.0	
A2WS60100	6.00 ± 0.15	100.0 ± 2.0	
A2WS60120		120.0 ± 2.0	
A4WS4040	4.00 ± 0.10	40.0 ± 1.0	Service Class 3 (EN 1995-1-1)/ Class C3/C4* (EN ISO 12944-2 and EN ISO 9223)
A4WS4050	4.00 ± 0.10	50.0 ± 1.0	
A4WS4070		70.0 ± 1.0	
A4WS5040		40.0 ± 1.0	
A4WS5050	5.00 ± 0.10	50.0 ± 1.0	
A4WS5060		60.0 ± 1.0	
A4WS5070		70.0 ± 1.0	
A4WS5090		90.0 ± 2.0	
A4WS50100		100.0 ± 2.0	
A4WS60100	6.00 ± 0.15	100.0 ± 2.0	
A4WS60120		120.0 ± 2.0	

*Excludes swimming pools and certain other applications.

TYPE, BATCH OR SERIAL NUMBER OR ANY OTHER ELEMENT ALLOWING IDENTIFICATION OF THE CONSTRUCTION PRODUCT AS REQUIRED PURSUANT TO ARTICLE 11(4):

1. Batch number is stamped (or applied by sticker) to the inside of the individual box lid,
2. Batch number is stamped (or applied by sticker) to the outside of each bulk carton,
3. Type and other information is printed on both individual boxes and bulk cartons,
4. Individual products are head marked with (concave or convex) symbols:
 - a. "EF",
 - b. "EVO",
 - c. "EVO+".

INTENDED USE OR USES OF THE CONSTRUCTION PRODUCT, IN ACCORDANCE WITH THE APPLICABLE HARMONISED TECHNICAL SPECIFICATION, AS FORSEEN BY THE MANUFACTURER:

Mechanical fixing of load-bearing timber structural elements:

1. Screws for structural timber applications

SYSTEM OR SYSTEMS OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT AS SET OUT IN ANNEX V:

Products CE marked under system of attestation of conformity – System 3.

1. Initial Type Testing performed on each batch of screws in accredited notified laboratory (accredited to ISO/ IEC 17025: 2017),
2. Factory Production Control performed on Manufacturer's plant and factories by both Internal Audit and External Audit from a third party (ISO 9001: 2015 auditors).

DECLARED PERFORMANCE:

Table 03: Declared Performances for Essential Characteristics of Product(s)				
Essential Characteristic	Symbol and [Unit]	Product Material	Nominal Diameter, d_{nom} (mm)	Declared Performance
Characteristic Yield Moment	$M_{y,k}$ [Nmm]	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	1.11
			4.0	1.67
			5.0	3.22
			6.0	5.61
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	1.52
			5.0	3.01
			6.0	4.99
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	1.52
			5.0	3.01
Characteristic Withdrawal Parameter	$f_{ax,k}$ [N/mm ²]	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	3.01
			4.0	3.19
			5.0	3.44
			6.0	3.51
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	3.11
			5.0	3.36
			6.0	3.47
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	3.11
			5.0	3.36
Characteristic Head Pull-Through Parameter	$f_{head,k}$ [N/mm ²]	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	11.29
			4.0	12.11
			5.0	14.14
			6.0	14.52
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	12.09
			5.0	14.00
			6.0	14.32
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	12.09
			5.0	14.00
Characteristic Tensile Capacity	$f_{tens,k}$ [N/mm ²]	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	4.11
			4.0	5.39
			5.0	8.77
			6.0	10.69
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	3.98
			5.0	6.54
			6.0	8.23
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	3.98
			5.0	6.54
			6.0	8.23

Characteristic Torsional Ratio	$f_{tor,k}$ [N/mm ²]	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	2.61
			4.0	3.11
			5.0	3.47
			6.0	2.65
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	2.65
			5.0	3.05
			6.0	2.39
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	2.65
			5.0	3.05
			6.0	2.39
Durability	N/A	SAE C1022/ 040A20/ EN 1.0402 Carbon Steel	3.5	Service Class 2 (EN 1995-1-1)/ Class C2 (EN ISO 12944-2 and EN ISO 9223)
			4.0	
			5.0	
			6.0	
		SAE 304/ EN 1.4301/ A2 Stainless Steel	4.0	Service Class 3 (EN 1995-1-1)/ Class C3 (EN ISO 12944-2 and EN ISO 9223)
			5.0	
			6.0	
		SAE 316/ EN 1.4401/ A4 Stainless Steel	4.0	Service Class 3 (EN 1995-1-1)/ Class C3/4* (EN ISO 12944-2 and EN ISO 9223)
			5.0	
			6.0	
NOTE: All tests, where applicable with timber density $\rho_k = 350 \text{ kg/m}^3$.				

ADDITIONAL DECLARATION/ SUPPLEMENTARY INFORMATION (PROVIDED OVER AND ABOVE THE REQUIREMENTS OF EUROPEAN REGULATION NO 305/2011):

Table 04: Other Declared Performance(s) of Product(s)				
Characteristic	Characteristic Type	Standard	Fastener Material	Declared Performance
Protective Treatment	Additional	ISO 9227	Carbon and Stainless Steel	Pass
Materials and Manufacture		EN 14592		Pass
Dimensions and Metrology	Initial Type Test			N/A

Table 05: Additional Declarations and Supplementary Information		
Declaration	Type	Standard/ Specification
Manufacturing processes	Certification	ISO 9001
Distribution processes	Certification	ISO 9001
Administration processes	Certification	ISO 9001
Internal Auditing	Registration	IRCA
Laboratory/ Testing	Accreditation	UKAS – ISO/ IEC 17025
International Equivalency	Accreditation	UKAS – ILAC: MRA

*Excludes swimming pools and certain other applications.

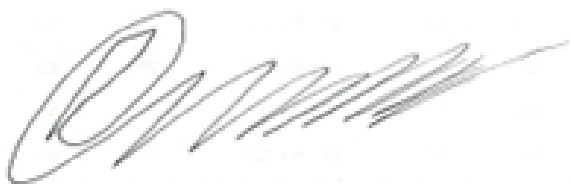
Table 06: Declaration of Exemptions and/ or Compliance with Other European and Statutory Regulations/ Directives		
Regulation/ Directive Name	Regulation/ Directive No.	Declaration
Construction Products Regulations	European Regulation No. 305/2011	Compliant
Restriction of Hazardous Substances Directive	European Directive No. 2011/65/EU	Compliant
Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations	European Regulation No. 1907/2006	Compliant
The Control of Substances Hazardous to Health Regulations (2002)	Statutory Instrument No. 2004/3386	Compliant
Poisons and Explosive Precursors Regulations	European Regulation No. 98/2013	Compliant
The Control of Poisons and Explosive Precursors Regulations (2015)	Statutory Instrument No. 966/2015	Compliant
Conflict Minerals Regulations	European Regulation No. 821/2017	Not applicable
European Union Timber Regulations	European Regulation No. 995/2010	Not applicable

Table 07: Revision History		
Revision	Date	Changes Made
01	12th June 2018	Initial Issue
02	26th September 2022	Revised Product Range

THE PERFORMANCE OF THE PRODUCT(S) IDENTIFIED IN THIS DOCUMENT IS IN CONFORMITY WITH THE DECLARED PERFORMANCE AS DETAILED IN THIS DOCUMENT.

THIS DECLARATION OF PERFORMANCE IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE EVOLUTION FASTENERS (UK) LTD.

SIGNED FOR, AND ON BEHALF OF EVOLUTION FASTENERS (UK) LTD BY:



**RYAN MCDONALD
ENGINEERING TECHNICIAN, EVOLUTION FASTENERS (UK) LTD**

IN THE PLACE OF GLASGOW, UNITED KINGDOM ON MONDAY 26th SEPTEMBER 2022 AND IS VALID FOR A PERIOD OF FIVE (5) CALANDER YEARS FROM DATE OF SIGNATURE.

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